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Electron Physics Tables

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L. Marton, C. Marton, and W. G. Hall



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(Supersedes part II of Mathematical Table 17)

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The tables presented here are intended as replacement of "Miscellaneous Physics Tables—Part II. Electronic Functions" (Mathematical Tables 17 of the National Bureau of Standards, 1941). Eight parameters have been calculated on the Standards Electronic Automatic Computer (SEAC) and are tabulated with an eight digit accuracy.

Introduction

The present tables of electron physics were prepared to replace the second half, called "Electronic Functions" of the "Miscellaneous Physical Tables, Planck's Radiation Functions and Electronic Functions" (MT17) issued by the National Bureau of Standards in 1941. The reasons for replacement are twofold: The old tables are out of print and reproduction without changes of the old and partly obsolete tables appeared to be not advisable.

The new tables were prepared by adopting such quantities for tabulation which are better suited to changed requirements in physics and in engineering. The quantities listed are the following:

V is the potential difference, in absolute volts, that is required to impart to an electron initially at rest a kinetic energy E expressed in electron volts. If E is expressed in centimeter-gram-second units of energy (ergs), then $V = (E \times 10^{-8})/e$, where e is the electronic charge in electromagnetic units. The quantity V is numerically equal to the quantity with the symbol T in the earlier tables (in the following denoted by MT17).

In the theory of relativity and in quantum mechanics, the Hamiltonian form of the equations of motion play a dominant role. In this form it is the momentum p (rather than the velocity v) which appears in the equations of motion. It is often found convenient to determine the value of the momentum which is relativistically correct in terms of a formula which is of a non-relativistic form. Thus, if we write

$$p = (2em_0V^*)^{1/2} \quad (1)$$

where m_0 is the rest mass of the electron, e is the charge of the electron in emu; then V^* may be considered as the "effective relativistic potential difference" which is given by

$$V^* = V + \frac{e}{2m_0c^2} V^2 \quad (2)$$

where c is the velocity of light. In addition to the momentum, other quantities in this table which are functions of the momentum can be

formulated by simple equations employing the quantity V^* . Furthermore, this quantity V^* may be utilized in many electron optical calculations to make a nonrelativistic formulation of the "optical equations" correct in the relativistic region. This is because the "optical equations" can be obtained from a Fermat-type variational principle in which the momentum p plays the role of the index of refraction.¹

The third column illustrates the utility of the quantity V^* in a direct manner. It lists the quantity $H\rho$, the product of the magnetic field and the radius of curvature of the path of the electron in the plane perpendicular to the field. This quantity is used to determine experimentally the momentum of the electron. In these tables H is expressed in oersteds and ρ in centimeters.² $H\rho$ is given by

$$eH\rho = p \quad (3)$$

so that

$$H\rho = \sqrt{\frac{2m_0}{e}} \sqrt{V^*} \quad (4)$$

The next tabulated quantity is λ , the de Broglie wavelength of the electron in the absence of a magnetic field. It is given by

$$\lambda = \frac{h}{p} = h(2m_0eV^*)^{-1/2} \quad (5)$$

where h is Planck's constant.

The next column contains p^* , the momentum of the electron in units of m_0c . It has been pointed out repeatedly in the literature³ that $p^* = p/m_0c$ is a very convenient quantity for numerical calculations. The following relation was used in computing these tables:

$$p^* = \frac{p}{m_0c} = \left(\frac{2e}{m_0c^2} V^* \right)^{1/2} \quad (6)$$

¹ W. Glaser, Grundlagen der Elektronenoptik, p. 50 (Springer Verlag, Wien, 1952).

² Readers who are accustomed to considering electrodynamics as developed from four fundamental quantities, as in the MKSA system of units, may prefer the symbol B (in gauss) because they are used to writing the transverse force on an electron as $F = ev \times B$. However, in the 3-dimensional cgs system of units H and B are indistinguishable in vacuum and the combined symbols " $H\rho$ " are deeply rooted in the literature.

³ For instance, P. A. Sturrock, Static & Dynamic Electron Optics (Cambridge Univ. Press, 1955).

In the sixth column we have tabulated E^* , the kinetic energy of the electron in units of its rest energy. This is expressed by

$$E^* = \frac{E}{m_0 c^2} \quad (7)$$

so that

$$E^* = [(p^*)^2 + 1]^{1/2} - 1 = \frac{eV}{m_0 c^2} \quad (8)$$

The total energy in these units W^* is tabulated in the seventh column. This quantity bears a simple relationship to E^* ,

$$W^* = E^* + 1 \quad (9)$$

and is the same quantity which is listed in MT17 under the symbol G

$$G = \left(\frac{1}{1 - v^2/c^2} \right)^{1/2} = W^* = \frac{W}{m_0 c^2} \quad (10)$$

where W is the total energy in the usual cgs units. The last column contains $\beta = v/c$, the ratio of electron velocity to light velocity. In taking account of the above listed equations the following relationships are valid:

$$\beta = \frac{p^*}{W^*} = \frac{p^*}{E^* + 1} = \frac{p^*}{\sqrt{p^{*2} + 1}} = \sqrt{\frac{2eV^*}{2eV^* + m_0 c^2}} \quad (11)$$

The following table 1 summarizes the notations and equations used in these tables, together with a comparison with the notation of the same quantities used in two other NBS publications: Mathematical Tables 17 (Miscellaneous Physical Tables) and Applied Mathematics Series 13 (Tables for the Analysis of Beta Spectra).

TABLE 1

	Present tables	MT 17	AMS 13
Potential difference ("volt-energy")	$V = 10^{-8} \frac{m_0}{e} c^2 E^*$	$V = 10^{-8} \frac{m_0}{e} c^2 (G - 1)$	$T = 10^{-8} \frac{m}{e} c^2 (\epsilon - 1)$
"Relativistic potential difference"	$V^* = V + \frac{e \text{emu}}{2m_0 c^2} V^2$	-----	-----
Magnetic field	H	H	B
Radius of curvature	ρ	ρ	ρ
Wavelength of the electron	$\lambda = \frac{h}{p}$	-----	-----
Momentum in units of $m_0 c$	$p^* = \frac{p}{m_0 c} = \beta W^*$	βG	$\eta = \frac{p}{mc} = \sqrt{\epsilon^2 - 1}$
Kinetic energy in units of rest energy	$E^* = E/m_0 c^2 = W^* - 1$	$G - 1 = T/m_0 c^2$	$\epsilon - 1$
Total energy in units of rest energy	$W^* = E^* + 1$	$G = \sqrt{\frac{1}{1 - \beta^2}}$	$\epsilon = \sqrt{1 - \eta^2} = E/m_0 c^2$
Ratio of light-to-electron velocities	$\beta = v/c$	$\beta = v/c$	$\beta = v/c = \eta/\epsilon$
Charge of the electron	e	e	e
Rest mass of the electron	m_0	m_0	m
Velocity of the electron	v	v	v
Momentum of the electron	$p = eH\rho$	$P = m_0 c \beta G$	p
Kinetic energy	$E = m_0 c^2 E^* = \frac{eV}{10^{-8}}$	$T = m_0 c^2 (G - 1)$	-----
Total energy	$W = m_0 c^2 W^*$	$E = m_0 c^2 G$	$E = mc^2 \epsilon$

The values of the fundamental constants, adopted in the computation of these tables, are the ones given by "Least-square adjustment of the atomic constants, 1952," by J. W. M. DuMond and E. R. Cohen, Reviews of Modern Physics **25**, 691-708 (1953). They are as follows:

$$\begin{aligned} c &= (2.997929 \pm 0.000008) \times 10^{10} \text{ cm sec}^{-1} \\ e &= (1.60207 \pm 0.00007) \times 10^{-20} \text{ emu} \\ m_0 &= (9.1085 \pm 0.0006) \times 10^{-28} \text{ g} \\ h &= (6.6252 \pm 0.0005) \times 10^{-27} \text{ erg sec.} \end{aligned}$$

These values were the most recent ones at the time the computations were started. Two critical reviews of the atomic constants were published *after* completion of the computations.^{4,5} Both show changes in the above quoted values by 1 or 2 units in the last significant figure and reduce considerably the probable error. Surprisingly the new values bracket the ones used in the computation as shown below:

⁴ A survey of atomic constants, J. A. Bearden and J. S. Thomsen (The Johns Hopkins University, Baltimore, Md., 1955).
⁵ E. R. Cohen, J. W. M. DuMond, T. W. Layton, and J. S. Rollett, Rev. Mod. Phys. **27**, 363 (1955).

TABLE 2

	DuMond & Cohen, 1953	Bearden & Thomsen, 1955	Cohen, DuMond, et al., 1955
c -----	2. 997929 ± 0. 000008	2. 997928 ± 0. 000004	2. 997930 ± 0. 000003
e -----	1. 60207 ± 0. 00007	1. 60209 ± 0. 00003	1. 60206 ± 0. 00003
m_0 -----	9. 1085 ± 0. 0006	9. 1086 ± 0. 0003	9. 1083 ± 0. 0003
h -----	6. 6252 ± 0. 0005	6. 6254 ± 0. 0002	6. 62517 ± 0. 00023

For computational purposes the constants, as given by DuMond and Cohen, were regarded as *exact* and the numerical values of the different required combinations of these constants were carried to 10 significant figures. Substitution of these numerical values in the above equations leads to the following expressions used in the computation of the tables:

$$V^* = V + 0.9785025081 \times 10^{-6} \times V^2$$

$$H\rho = 3.372078569 \times V^{*1/2}$$

$$\lambda = 1.226365205 \times 10^{-7} \times V^{*-1/2}$$

$$p^* = 1.978385713 \times 10^{-3} \times V^{*1/2}$$

$$E^* = 1.957005016 \times 10^{-6} \times V$$

$$W^* = E^* + 1$$

$$\beta = p^*/W^*.$$

The calculation of the tables were carried out on the National Bureau of Standards automatic digital computer, SEAC. Each of the eight tabulated quantities is given to eight significant figures. The numbers in parenthesis indicate the power of 10 by which the tabulated values are to be multiplied. The last digit of each column is automatically adjusted by SEAC to the nearest approximation depending on the values of the figures beyond the 8th which are cut off by the machine. A consequence of this process is that beyond $V = 5.3 \times 10^9$ ev the values of β appear uniformly as 1.0000000. The list of values for β is not very informative for the values of V on several pages prior to the 5.3×10^9 ev entry. To remedy this defect of the computing procedure an auxiliary table is given below for selected values of β . In table 3, β is listed to eight significant figures beyond the required number of nines. This does not mean that β is given by more than eight significant figures but rather that β has been expressed as $1 - abcdefgh \times 10^{-n}$, where the a through h are the numerical values of eight figures and n is some number of the order of 10. For the calculation of this table the last part of eq (11) was developed into a binomial series.

$$\begin{aligned} \beta &= \left[\frac{2eV^*}{2eV^* + m_0c^2} \right]^{1/2} = \left(\frac{aV^*}{aV^* + b} \right)^{1/2} = \left(1 + \frac{b}{aV^*} \right)^{-1/2} \\ &= 1 - \frac{b}{2aV^*} + \frac{3b^2}{8(aV^*)^2} - \frac{5b^3}{16(aV^*)^3} + \frac{35b^4}{128(aV^*)^4} - \dots \end{aligned} \quad (12)$$

Using the proper conversion factors the values of a and b (omitting units) are as follows:

$$a = 3.20414 \times 10^{-12}$$

$$b = 8.18633568 \times 10^{-7}.$$

TABLE 3

V	V^*	β
9.6111732×10^6	1.0000000×10^8	$0.9_2 \text{ -- } 87249804$
1.0000000×10^7	1.0785025	$0.9_2 \text{ -- } 88176226$
1.0917842	1.2755464	$0.9_3 \text{ -- } 00000000$
3.1461361	1.0000000×10^9	$0.9_3 \text{ -- } 87227825$
3.5622007	1.2772706	$0.9_4 \text{ -- } 00000000$
1.0000000×10^8	9.8850251	$0.9_4 \text{ -- } 87077298$
1.0058283	1.0000000×10^{10}	$0.9_4 \text{ -- } 87225622$
1.1374900	1.2774431	$0.9_5 \text{ -- } 00000000$
3.1917205	1.0000000×10^{11}	$0.9_5 \text{ -- } 87225402$
3.6081000	1.2774603	$0.9_6 \text{ -- } 00000000$
1.0000000×10^9	9.7950251	$\text{-- } 86958076$
1.0104144	1.0000000×10^{12}	87225380
1.1420860	1.2774620	$0.9_7 \text{ -- } 00000000$
3.1963153	1.0000000×10^{13}	87225378
3.6126979	1.2774622	$0.9_8 \text{ -- } 00000000$
1.0000000×10^{10}	9.7860251	86946056
1.0108741	1.0000000×10^{14}	87225378
1.1425459	1.2774622	$0.9_9 \text{ -- } 00000000$
3.1967751	1.0000000×10^{15}	87225378
3.6131577	1.2774622	$0.9_{10} \text{ -- } 00000000$
1.0000000×10^{11}	9.7851251	86944855
1.0109201	1.0000000×10^{16}	87225378
1.1425918	1.2774622	$0.9_{11} \text{ -- } 00000000$
3.1968211	1.0000000×10^{17}	87225378
3.6132037	1.2774622	$0.9_{12} \text{ -- } 00000000$
1.0000000×10^{12}	9.7850351	86944735
1.0109247	1.0000000×10^{18}	87225378
1.1425964	1.2774622	$0.9_{13} \text{ -- } 00000000$
3.1968257	1.0000000×10^{19}	87225378
3.6132083	1.2774622	$0.9_{14} \text{ -- } 00000000$

In MT17, the predecessor of these tables, means were offered to correct the tabulated values in case of changes in values of the fundamental constants. No such shortcuts are offered here, although an inspection of (1) to (11) shows that for certain tabulated quantities the corrections apply quite easily. The lack of listing of shortcuts is due to our improved knowledge of the fundamental constants and to the degree of internal consistency achieved in our knowledge. It

is reasonably safe to predict that future changes will not affect more than the last significant figure in our present listing and even that last significant figure may not change more than 2 or 3 units. Any such changes will affect the last 4 or 5 digits of the tables presented here, which for most practical uses is entirely negligible. The question then may be asked: Why list 8 significant figures when the last 4 or 5 of these are insecure? The answer is that small changes in the values of the constants do not affect the incremental steps between the tabulated values, and the knowledge of the increments to the extent of number of tabulated figures can be of great help for rapid evaluation of an experiment or of a theory.

In order to facilitate interpolation, each of the quantities was treated as an independent variable at selected intervals and the values of the other quantities were determined from it. For instance, in the V column, values were chosen at fixed intervals, and the quantities in the other columns

were calculated and listed. The selected intervals are as follows

<i>Range</i>	<i>Interval</i>
1×10^n to 3×10^n	0.1
3×10^n to 5×10^n	0.2
5×10^n to $1 \times 10^{n+1}$	0.5

and are the same for each decade and for each column. In the λ column the same intervals were chosen and the quantities in the other columns were evaluated from them. In a similar manner selected values in the various columns were considered as independent variables from which the quantities in the other columns were determined. Therefore, in reading up or down any given column one finds an interlacing of quantities which are the independent variables and the dependent variables. This is the reason why two sets of intervals in the same column are not necessarily equal, but there are cycles in every column for which the intervals are equal. These cycles can be ascertained at a glance, and so interpolation in any column is then a rather straightforward operation.

We are indebted to M. Abramowitz, R. W. Hayward, L. B. Leder, H. Mendlowitz, and F. B. Silsbee for critical reading of the manuscript.

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Pages 6 to 83

V	V*	H ρ	λ	P*	E*	W*	β
2.0630608	- 1	1.5316296	2.7000000	8.9860126	4.0374203	1.0000004	8.9860090
2.0694884	- 1	1.5340137	2.6958038	9.0000000	4.4049992	1.0000004	8.9999964
2.2248096	- 1	1.5905384	2.6000000	9.3316285	4.3539635	1.0000004	9.3316244
2.3058188	- 1	1.6192366	2.5539194	9.5000000	4.5124990	1.0000005	9.4999957
2.4063540	- 1	1.6541599	2.5000000	9.7048936	4.7092469	1.0000005	9.7048890
2.5415717	- 1	1.7000000	2.4325881	9.9738356	4.9738685	1.0000005	9.9738306
2.5549238	- 1	1.7044596	2.4262234	1.0000000	4.9999988	1.0000005	9.9999950
2.5549264	- 1	1.7044605	2.4262222	1.0000005	5.0000037	1.0000005	1.0000000
2.6110612	- 1	1.7230833	2.4000000	1.0109264	5.1098598	1.0000005	1.0109259
2.8430457	- 1	1.7979999	2.3000000	1.0548797	5.5638548	1.0000006	1.0548792
2.8493744	- 1	1.8000000	2.2974443	1.0560532	5.5762400	1.0000006	1.0560526
3.0914577	- 1	1.8749056	2.2056576	1.1000000	6.0499982	1.0000006	1.0999993
3.0914614	- 1	1.8749067	2.2056563	1.1000007	6.0500055	1.0000006	1.1000000
3.1073784	- 1	1.8797272	2.2000000	1.1028288	6.0811552	1.0000006	1.1028281
3.1747658	- 1	1.9000000	2.1765262	1.1147228	6.2130326	1.0000006	1.1147221
3.4103653	- 1	1.9692380	2.1000000	1.1553445	6.6741021	1.0000007	1.1553437
3.5177459	- 1	2.0000000	2.0676999	1.1733924	6.8842465	1.0000007	1.1733916
3.6790899	- 1	2.0453515	2.0218528	1.2000009	7.1999974	1.0000007	1.1999991
3.6790952	- 1	2.0453530	2.0218514	1.2000000	7.2000078	1.0000007	1.2000000
3.7599277	- 1	2.0676999	2.0000000	1.2131117	7.3581973	1.0000007	1.2131108
3.8783148	- 1	2.1000000	1.9692380	1.2320620	7.5898815	1.0000008	1.2320611
4.1661247	- 1	2.1765262	1.9000000	1.2769597	8.1531269	1.0000008	1.2769586
4.2564723	- 1	2.2000000	1.8797272	1.2907317	8.3299376	1.0000008	1.2907306
4.3178224	- 1	2.2157975	1.8663257	1.3000000	8.4499964	1.0000008	1.2999989
4.3178205	- 1	2.2157994	1.8663241	1.3000011	8.4500107	1.0000008	1.3000000
4.6418856	- 1	2.2974443	1.8000000	1.3479019	9.0841934	1.0000009	1.3479007
4.6522185	- 1	2.3000000	1.7979999	1.3494013	9.1044149	1.0000009	1.3494001
5.0076495	- 1	2.3862435	1.7330167	1.4000000	9.7999952	1.0000010	1.3999986
5.0076593	- 1	2.3862458	1.7330150	1.4000014	9.8000144	1.0000010	1.4000000
5.0655534	- 1	2.4000000	1.7230833	1.4080709	9.9133134	1.0000010	1.4080695
5.1098489	- 1	2.4104705	1.7155986	1.4142139	1.0000000	1.0000010	1.4142125
5.2040514	- 1	2.4325881	1.7000000	1.4271902	1.0184355	1.0000010	1.4271888
5.4964770	- 1	2.5000000	1.6541599	1.4667405	1.0756633	1.0000011	1.4667389
5.6208338	- 1	2.5281229	1.6357590	1.4832401	1.1000000	1.0000011	1.4832385
5.7485768	- 1	2.5566894	1.6174823	1.5000000	1.1249994	1.0000011	1.4999983
5.7485898	- 1	2.5566923	1.6174804	1.5000017	1.1250019	1.0000011	1.5000000
5.8748858	- 1	2.5846249	1.6000000	1.5163896	1.1497181	1.0000011	1.5163879
5.9449892	- 1	2.6000000	1.5905384	1.5254101	1.1634374	1.0000012	1.5254084
6.1318187	- 1	2.6405383	1.5661200	1.5491938	1.2000000	1.0000012	1.5491919
6.4110902	- 1	2.7000000	1.5316296	1.5840798	1.2546536	1.0000013	1.5840778

V	V*	H ρ	λ	p*	E*	W*	β
6.5406025	- 1	2.7271354	0	1.6000000	- 3	1.0000013	1.5999980 - 3
6.5406192	- 1	2.7271389	0	1.6000021	- 3	1.0000013	1.6000000 - 3
6.6428036	- 1	2.7483079	0	1.6124520	- 6	1.0000013	1.6124500 - 3
6.6843139	- 1	2.7569332	0	1.6174823	- 3	1.0000013	1.6174802 - 3
6.8947798	- 1	2.8000000	0	1.6427494	- 3	1.0000013	1.6427472 - 3
7.1537885	- 1	2.8521075	0	1.6733206	- 3	1.0000014	1.6733183 - 3
7.3837264	- 1	2.8975814	0	1.4271902	- 7	1.0000014	1.6999975 - 3
7.3837477	- 1	2.8975855	0	1.7000000	- 3	1.0000014	1.7000000 - 3
7.3960580	- 1	2.9000000	0	1.4259999	- 7	1.0000014	1.7000000 - 3
7.6647734	- 1	2.9522118	0	1.7014190	- 3	1.0000015	1.7014165 - 3
7.6733188	- 1	2.9538570	0	1.7320515	- 3	1.0000015	1.7320489 - 3
7.9149250	- 1	3.0000000	0	1.7330167	- 3	1.0000015	1.7330141 - 3
8.1757583	- 1	3.0490313	0	1.3786086	- 3	1.0000015	1.7600859 - 3
8.2779486	- 1	3.0680213	0	1.7888551	- 3	1.0000016	1.7888522 - 3
8.2779754	- 1	3.0680323	0	1.3479019	- 7	1.0000016	1.7999971 - 3
8.6867432	- 1	3.1428696	0	1.3478997	- 7	1.0000016	1.8000000 - 3
8.8992426	- 1	3.1810768	0	1.8439097	- 3	1.0000017	1.8439065 - 3
9.0054248	- 1	3.2000000	0	1.8663257	- 3	1.0000017	1.8663224 - 3
9.1977281	- 1	3.2339862	0	1.8774279	- 3	1.0000018	1.8774246 - 3
9.2232690	- 1	3.2384732	0	1.2787314	- 7	1.0000018	1.8973640 - 3
9.2233023	- 1	3.2384791	0	1.2769597	- 7	1.0000018	1.8999966 - 3
9.7087130	- 1	3.3226051	0	1.3158038	- 7	1.0000018	1.9000000 - 3
9.9999902	- 1	3.3720786	0	1.3000000	- 7	1.0000019	1.9493561 - 3
1.0444237	0	3.4461665	0	1.2923124	- 7	1.0000020	1.9783818 - 3
1.0730683	0	3.4931046	0	1.2787314	- 7	1.0000020	1.9783828 - 3
1.0219688	0	3.4089192	0	1.2162941	- 7	1.0000020	1.9947631 - 3
1.0219698	0	3.4089210	0	1.2131117	- 7	1.0000020	1.9999960 - 3
1.0219729	0	3.4089261	0	1.2131111	- 7	1.0000020	1.9999970 - 3
1.0444237	0	3.4461665	0	1.2131093	- 7	1.0000020	2.0000000 - 3
1.0730683	0	3.4931046	0	1.2000000	- 7	1.0000020	2.0218487 - 3
1.0999988	0	3.5366658	0	1.838752	- 7	1.0000021	2.0493869 - 3
1.1000000	0	3.5366677	0	1.1692933	- 7	1.0000022	2.0749440 - 3
1.1241668	0	3.5753066	0	1.1692927	- 7	1.0000022	2.0749451 - 3
1.1267204	0	3.5793652	0	1.1566560	- 7	1.0000022	2.0976142 - 3
1.1267254	0	3.5793731	0	1.1553445	- 7	1.0000022	2.0999954 - 3
1.1397488	0	3.6000000	0	1.1553419	- 7	1.0000022	2.1000000 - 3
1.1752653	0	3.6556607	0	1.1487222	- 7	1.0000022	2.1121016 - 3
1.1999986	0	3.6939270	0	1.1312318	- 7	1.0000023	2.1447574 - 3
1.2000000	0	3.6939292	0	1.1195131	- 7	1.0000023	2.1672091 - 3
1.2000000	0	3.6939292	0	1.1195125	- 7	1.0000023	2.1672079 - 3
1.2263652	0	3.7342862	0	1.1074137	- 7	1.0000024	2.1908863 - 3

V	V^*	$H\rho$	λ	p^*	E^*	W^*	β
1.2365819	0	3.7498112	0	2.2000000	— 3	1.0000024	2.1999947
1.2365879	0	3.7498202	0	2.2000053	— 3	1.0000024	2.2000000
1.2429502	0	3.7594544	0	2.2056576	— 3	1.0000024	2.2056523
1.2699051	0	3.8000000	0	2.2294456	— 3	1.0000025	2.2294401
1.2774622	0	3.8112900	0	2.2360694	— 3	1.0000025	2.2360638
1.2999983	0	3.8447611	0	2.2557068	— 3	1.0000025	2.2557010
1.3000000	0	3.8447636	0	2.2557082	— 3	1.0000025	2.2557025
1.3285607	0	3.8867685	0	2.2803523	— 3	1.0000026	2.2803464
1.3515533	0	3.9202571	0	2.3000000	— 3	1.0000026	2.2999939
1.3515622	0	3.9202675	0	2.3000061	— 3	1.0000026	2.3000000
1.3796592	0	3.9608089	0	2.3237916	— 3	1.0000027	2.3237853
1.3999981	0	3.9898972	0	2.3408575	— 3	1.0000027	2.3408511
1.4000000	0	3.9898999	0	2.3408591	— 3	1.0000028	2.3408527
1.4070969	0	4.0000000	0	2.3467848	— 3	1.0000028	2.3467784
1.4307577	0	4.0334905	0	2.3664336	— 3	1.0000028	2.3664269
1.4716344	0	4.0907031	0	2.4000000	— 3	1.0000029	2.3999931
1.4716429	0	4.0907149	0	2.4000069	— 3	1.0000029	2.4000000
1.4818562	0	4.1048853	0	2.4083207	— 3	1.0000029	2.4083137
1.4999978	0	4.1299359	0	2.4230178	— 3	1.0000029	2.4230106
1.5000000	0	4.1299390	0	2.4230195	— 3	1.0000029	2.4230124
1.5039694	0	4.1353998	0	2.4262234	— 3	1.0000029	2.4262163
1.5329570	0	4.1750595	0	2.4494916	— 3	1.0000030	2.4494842
1.5513241	0	4.2000000	0	2.4641241	— 3	1.0000030	2.4641166
1.5968253	0	4.2611491	0	2.5000000	— 3	1.0000031	2.4999922
1.5968353	0	4.2611624	0	2.5000078	— 3	1.0000031	2.5000000
1.5999975	0	4.2653795	0	2.5024820	— 3	1.0000031	2.5024741
1.6000000	0	4.2653828	0	2.5024839	— 3	1.0000031	2.5024761
1.6351517	0	4.3119831	0	2.5298242	— 3	1.0000032	2.5298161
1.6664478	0	4.3530524	0	2.5539194	— 3	1.0000033	2.5539110
1.6999972	0	4.3966525	0	2.5794994	— 3	1.0000033	2.5794908
1.7000000	0	4.3966562	0	2.5795015	— 3	1.0000033	2.5794929
1.7025868	0	4.4000000	0	2.5814633	— 3	1.0000033	2.5814547
1.7271260	0	4.4315950	0	2.6000000	— 3	1.0000034	2.5999912
1.7271377	0	4.4316100	0	2.6000088	— 3	1.0000034	2.6000000
1.7373486	0	4.4446907	0	2.6076832	— 3	1.0000034	2.6076743
1.7999968	0	4.5241181	0	2.6542830	— 3	1.0000035	2.6542736
1.8000000	0	4.5241221	0	2.6542853	— 3	1.0000035	2.6542760
1.8395456	0	4.5735492	0	2.6832840	— 3	1.0000036	2.6832743
1.8567517	0	4.5948887	0	2.6958038	— 3	1.0000036	2.6957940
1.8608849	0	4.6000000	0	2.6988026	— 3	1.0000036	2.6987927

V	V^*	H_p	λ	p^*	E^*	W^*	β
1.8625365	0	4.6020410	8.9860126	2.7000000	3.6449934	1.0000036	2.6999902
1.8625501	0	4.6020578	8.9859798	2.7000098	3.6450199	1.0000036	2.7000000
1.8999965	0	4.6480895	8.8969883	2.7270165	3.7183026	1.0000037	2.7270064
1.9000000	0	4.6480939	8.8969800	2.7270190	3.7183095	1.0000037	2.7270089
1.9417426	0	4.6988754	8.8008289	2.7568124	3.8000000	1.0000038	2.7568019
1.9999961	0	4.7688392	8.6717115	2.7978599	3.9140024	1.0000039	2.7978490
2.0000000	0	4.7688439	8.6717030	2.7978626	3.9140100	1.0000039	2.7978517
2.0030569	0	4.7724869	8.6650836	2.8000000	3.9199923	1.0000039	2.7998900
2.0030726	0	4.7725057	8.6650496	2.8000110	3.9200230	1.0000039	2.8000000
2.0262183	0	4.8000000	8.6154163	2.8161418	3.9653195	1.0000040	2.8161306
2.0439396	0	4.8209447	8.5779865	2.8284300	4.0000000	1.0000040	2.8284186
2.0816174	0	4.8651763	8.5000000	2.8543805	4.0737356	1.0000041	2.8543688
2.0999957	0	4.8866061	8.4627239	2.8669533	4.1097021	1.0000041	2.8669415
2.1000000	0	4.8866111	8.4627152	2.8669562	4.1097105	1.0000041	2.8669444
2.1461366	0	4.9399985	8.3712573	2.8982784	4.2000000	1.0000042	2.8982662
2.1486870	0	4.9429329	8.3662876	2.9000000	4.2049912	1.0000042	2.8999878
2.1870750	0	4.9429537	8.3662524	2.9000122	4.2050265	1.0000042	2.9000000
2.1985872	0	5.0000000	8.2707997	2.9334810	4.3026463	1.0000043	2.9334684
2.1999953	0	5.0016008	8.2681525	2.9344202	4.3054018	1.0000043	2.9344076
2.2000000	0	5.0016062	8.2681436	2.9344234	4.3054110	1.0000043	2.9344108
2.2483385	0	5.0562499	8.1787884	2.9664827	4.4000000	1.0000044	2.9664696
2.2994268	0	5.1133789	8.0874113	3.0000000	4.4999899	1.0000045	2.9999865
2.2994475	0	5.1134019	8.0873749	3.0000135	4.5000304	1.0000045	3.0000000
2.2999948	0	5.1140104	8.0864127	3.0003705	4.5011014	1.0000045	3.0003570
2.3000000	0	5.1140161	8.0864036	3.0003739	4.5011115	1.0000045	3.0003604
2.3499502	0	5.1692498	8.0000000	3.0327793	4.5988644	1.0000046	3.0327653
2.3505305	0	5.1698880	7.9990125	3.031537	4.6000000	1.0000046	3.031397
2.3999994	0	5.2240017	7.9161534	3.0649020	4.6968010	1.0000047	3.0648876
2.4000000	0	5.2240078	7.9161441	3.0649056	4.6968120	1.0000047	3.0648912
2.4527275	0	5.2810813	7.8305930	3.0983904	4.8000000	1.0000048	3.0983755
2.4999939	0	5.3317244	7.7562146	3.1281025	4.8925006	1.0000049	3.1280872
2.5000000	0	5.3317309	7.7562051	3.1281063	4.8925125	1.0000049	3.1280910
2.5549245	0	5.3899813	7.6723825	3.1622816	5.0000000	1.0000050	3.1622658
2.5999934	0	5.4373133	7.6055941	3.1900511	5.0882001	1.0000051	3.1900349
2.6000000	0	5.4373202	7.6055845	3.1900552	5.0882130	1.0000051	3.1900389
2.6162360	0	5.4542708	7.5819481	3.2000000	5.1199869	1.0000051	3.1999836
2.6162627	0	5.4542987	7.5819093	3.2000164	5.1200393	1.0000051	3.2000000
2.6602894	0	5.5000296	7.5189088	3.2268291	5.2061996	1.0000052	3.2268123
2.6737203	0	5.5138664	7.5000000	3.2349645	5.2324841	1.0000052	3.2349476
2.6999929	0	5.5408905	7.4634210	3.2508194	5.2838996	1.0000053	3.2508023

V	V^*	$H\rho$	λ	p^*	E^*	W^*	β						
2.700000	0	5.5408978	0	7.4634111	- 8	3.2508237	- 3	5.2839135	- 6	1.0000053	0	3.2508066	- 3
2.799923	0	5.6425667	0	7.3289339	- 8	3.3104725	- 3	3.3104725	- 3	5.4795990	- 6	3.3104543	- 3
2.800000	0	5.6425744	0	7.3289239	- 8	3.3104770	- 3	3.3104770	- 3	5.4796140	- 6	3.3104589	- 3
2.8104169	0	5.6530608	0	7.3156293	- 8	3.31166293	- 3	3.31166293	- 3	5.5000055	0	3.3116611	- 3
2.8999918	0	5.7424429	0	7.2014645	- 8	3.3690695	- 3	3.3690695	- 3	5.6752984	- 6	3.3690503	- 3
2.9000000	0	5.7424510	0	7.2014542	- 8	3.3690742	- 3	3.3690742	- 3	5.6753145	- 6	3.3690551	- 3
2.9534842	0	5.7951627	0	7.1359512	- 8	3.4000000	- 3	3.4000000	- 3	5.7799833	- 6	3.3999803	- 3
2.9535183	0	5.7951962	0	7.1359099	- 8	3.4000197	- 3	3.4000197	- 3	5.8709051	- 6	3.4000000	- 3
2.9999912	0	5.8406114	0	7.0804228	- 8	3.4266646	- 3	3.4266646	- 3	5.8709978	- 6	3.4266445	- 3
3.0000000	0	5.8406210	0	7.0804124	- 8	3.4266696	- 3	3.4266696	- 3	5.8710150	- 6	3.4266495	- 3
3.0659094	0	5.9044302	0	7.0038932	- 8	3.4641068	- 3	3.4641068	- 3	6.0000000	- 6	3.4640860	- 3
3.0693206	0	5.9077140	0	7.0000000	- 8	3.4660334	- 3	3.4660334	- 3	6.0066758	- 6	3.4660126	- 3
3.1659626	0	6.0000000	0	6.8923330	- 8	3.5201773	- 3	3.5201773	- 3	6.1958048	- 6	3.5201554	- 3
3.1999900	0	6.0321575	0	6.8555899	- 8	3.5390440	- 3	3.5390440	- 3	6.2623964	- 6	3.5390218	- 3
3.2000000	0	6.0321670	0	6.8555792	- 8	3.5390495	- 3	3.5390495	- 3	6.2624160	- 6	3.5390273	- 3
3.3111714	0	6.1360546	0	6.7395094	- 8	3.6000000	- 3	3.6000000	- 3	6.4799790	- 6	3.5999767	- 3
3.3112143	0	6.1360944	0	6.7394658	- 8	3.6000233	- 3	3.6000233	- 3	6.4800630	- 6	3.6000000	- 3
3.3214018	0	6.1455266	0	6.7291221	- 8	3.6055571	- 3	3.6055571	- 3	6.5000000	- 6	3.6055337	- 3
3.3999887	0	6.2178057	0	6.6508991	- 8	3.6479630	- 3	3.6479630	- 3	6.6537949	- 6	3.6479387	- 3
3.4000000	0	6.2178160	0	6.6508881	- 8	3.6479691	- 3	3.6479691	- 3	6.6538171	- 6	3.6479448	- 3
3.5596837	0	6.3621536	0	6.5000000	- 8	3.7326514	- 3	3.7326514	- 3	6.9663189	- 6	3.7326254	- 3
3.5768943	0	6.3775151	0	6.4843434	- 8	3.7416639	- 3	3.7416639	- 3	7.0000000	- 6	3.7416377	- 3
3.6000000	0	6.3980692	0	6.4635122	- 8	3.7537230	- 3	3.7537230	- 3	7.0451932	- 6	3.7536965	- 3
3.6000000	0	6.3980805	0	6.4635008	- 8	3.7537296	- 3	3.7537296	- 3	7.0452181	- 6	3.7537031	- 3
3.6892976	0	6.4769466	0	6.3847984	- 8	3.8000000	- 3	3.8000000	- 3	7.2199739	- 6	3.7999726	- 3
3.6893509	0	6.4769933	0	6.3847523	- 8	3.8000000	- 3	3.8000000	- 3	7.2200782	- 6	3.8000000	- 3
3.7156204	0	6.5000000	0	6.3621536	- 8	3.8000274	- 3	3.8000274	- 3	7.2200782	- 6	3.8000000	- 3
3.7999859	0	6.5733913	0	6.2911208	- 8	3.8565837	- 3	3.8565837	- 3	7.2714614	- 6	3.8134976	- 3
3.8000000	0	6.5734035	0	6.2911091	- 8	3.8565909	- 3	3.8565909	- 3	7.4365914	- 6	3.8565551	- 3
3.8323387	0	6.6013561	0	6.2644701	- 8	3.8729906	- 3	3.8729906	- 3	7.4366191	- 6	3.8565622	- 3
3.9999843	0	6.7441571	0	6.1318260	- 8	3.9567714	- 3	3.9567714	- 3	7.5000000	- 6	3.8729916	- 3
4.0000000	0	6.7441703	0	6.1318140	- 8	3.9567792	- 3	3.9567792	- 3	7.8279894	- 6	3.9567405	- 3
4.0878628	0	6.8178385	0	6.0655585	- 8	4.0000000	- 3	4.0000000	- 3	7.8280201	- 6	3.9567482	- 3
4.0878791	0	6.8178521	0	6.0655464	- 8	4.0000080	- 3	4.0000080	- 3	7.9999680	- 6	3.9999680	- 3
4.0879282	0	6.8178930	0	6.0655100	- 8	4.0000320	- 3	4.0000320	- 3	8.0000000	- 6	3.9999760	- 3
4.1776819	0	6.8923330	0	6.0000000	- 8	4.0437057	- 3	4.0437057	- 3	8.0000960	- 6	4.0000000	- 3
4.1999827	0	6.9107046	0	5.9840955	- 8	4.0544842	- 3	4.0544842	- 3	8.1757444	- 6	4.0436726	- 3
4.2000000	0	6.9107188	0	5.9840372	- 8	4.0544925	- 3	4.0544925	- 3	8.2193873	- 6	4.0544509	- 3
4.3092221	0	7.0000000	0	5.9077140	- 8	4.1068735	- 3	4.1068735	- 3	8.2194211	- 6	4.0544592	- 3
4.3433716	0	7.0276820	0	5.8844436	- 8	4.1231144	- 3	4.1231144	- 3	8.4331693	- 6	4.1068388	- 3
										8.5000000	- 6	4.1230793	- 3

V	V*	H _p	λ	p*	E*	W*	β
4.399811	0	7.0733317	5.8464667	4.1498969	8.6107850	1.0000086	4.1498611
4.400000	0	7.0733469	5.8464541	4.1499058	8.6108221	1.0000086	4.1498701
4.5068669	0	7.1587304	5.7767224	4.2000000	8.8199611	1.0000088	4.1999630
4.5069464	0	7.1587936	5.7766714	4.2000370	8.8201167	1.0000088	4.2000000
4.5988847	0	7.2314260	5.7186505	4.2426502	9.0000000	1.0000090	4.2426120
4.5999793	0	7.2323028	5.7179573	4.2431646	9.0021826	1.0000090	4.2431264
4.600000	0	7.2323191	5.7179444	4.2431742	9.0022231	1.0000090	4.2431360
4.7999775	0	7.3878540	5.5975657	4.3344259	9.3935800	1.0000094	4.3343852
4.800000	0	7.3878713	5.5975526	4.3344361	9.3936241	1.0000094	4.3343954
4.8543565	0	7.4295849	5.5661250	4.3589093	9.5000000	1.0000095	4.3588679
4.9463098	0	7.4996223	5.5141441	4.4000000	9.6799532	1.0000097	4.3999574
4.9464056	0	7.4996949	5.5140907	4.4000426	9.6801406	1.0000097	4.4000000
4.9468080	0	7.5000000	5.5138664	4.4002216	9.6809281	1.0000097	4.4001790
4.9717828	0	7.5189088	5.5000000	4.4113153	9.7298039	1.0000097	4.4112724
4.9999755	0	7.5401969	5.4844719	4.4238049	9.7849772	1.0000098	4.4237617
5.000000	0	7.5402154	5.4844585	4.4238158	9.7850251	1.0000098	4.4237725
5.1098489	0	7.6225942	5.4251869	4.4721471	1.0000000	1.0000100	4.4721024
5.4061916	0	7.8405143	5.2743987	4.6000000	1.0579944	1.0000106	4.5999513
5.4063060	0	7.8405972	5.2743429	4.6000487	1.0580168	1.0000106	4.6000000
5.4999704	0	7.9082252	5.2292388	4.6397258	1.0763470	1.0000108	4.6396758
5.500000	0	7.9082465	5.2292247	4.6397382	1.0763528	1.0000108	4.6396883
5.6208647	0	7.9946463	5.1727114	4.6904287	1.1000000	1.0000110	4.6903771
5.6283955	0	8.0000000	5.1692498	4.6935697	1.1014737	1.0000110	4.6935180
5.8865460	0	8.1814062	5.0546321	4.8000000	1.1519934	1.0000115	4.7999447
5.8866816	0	8.1815004	5.0545739	4.8000553	1.1520199	1.0000115	4.8000000
6.000000	0	8.2598719	5.0066150	4.8460355	1.1741961	1.0000117	4.8459786
6.0000352	0	8.2598961	5.0066003	4.8460497	1.1742030	1.0000117	4.8459928
6.0158865	0	8.2707997	5.0000000	4.8524468	1.1773051	1.0000118	4.8523897
6.1318555	0	8.3501378	4.9524929	4.8989942	1.2000000	1.0000120	4.8989354
6.3539308	0	8.5000000	4.8651763	4.9869178	1.2434597	1.0000124	4.9868558
6.3873112	0	8.5222981	4.8524468	5.0000000	1.2499922	1.0000125	4.9999375
6.3874709	0	8.5224046	4.8523861	5.0000625	1.2500234	1.0000125	5.0000000
6.4999587	0	8.5971472	4.8102001	5.0439137	1.2720452	1.0000127	5.0438495
6.500000	0	8.5971746	4.8101848	5.0439297	1.2720533	1.0000127	5.0438656
6.5276129	0	8.6154163	4.8000000	5.0546321	1.2774571	1.0000128	5.0545675
6.6428036	0	8.6911011	4.7582001	5.0990361	1.3000000	1.0000130	5.0989698
6.9999521	0	8.9216813	4.6352248	5.2343166	1.3698941	1.0000137	5.2342449
7.000000	0	8.9217118	4.6352089	5.2343345	1.3699035	1.0000137	5.2342628
7.1075669	0	8.9899996	4.6000000	5.2743987	1.3909544	1.0000139	5.2743253
7.1233883	0	9.0000000	4.5948887	5.2802659	1.3940507	1.0000139	5.2801923

V	V*	H ρ	λ	P*	E*	W*	β
7.1537885	0	9.0191841	4.5851152	5.2915211	1.4000000	1.0000140	5.2914471
7.4999450	0	9.2348175	4.4780526	5.4180324	1.4677430	1.0000147	5.4179529
7.5000000	0	9.2348514	4.4780361	5.4180523	1.4677538	1.0000147	5.4179728
7.6647734	0	9.3357449	4.4296410	5.4772461	1.5000000	1.0000150	5.4771640
7.7285881	0	9.3745279	4.4113153	5.5000000	1.5124886	1.0000151	5.4999168
7.7288219	0	9.3746697	4.4112486	5.5000832	1.5125343	1.0000151	5.5000000
7.7683894	0	9.3986360	4.4000000	5.5141441	1.5202777	1.0000152	5.5140603
7.9368554	0	9.5000000	4.3530524	5.5736140	1.5532466	1.0000155	5.5735274
7.9999374	0	9.5376785	4.3358558	5.5957198	1.5655918	1.0000157	5.5956322
8.0000000	0	9.5377158	4.3358388	5.5957417	1.5656040	1.0000157	5.5956541
8.1757583	0	9.6419182	4.2889804	5.6568769	1.6000000	1.0000160	5.6567864
8.4999293	0	9.8312140	4.2063980	5.7679360	1.6634404	1.0000166	5.7678400
8.5000000	0	9.8312548	4.2063805	5.7679599	1.6634543	1.0000166	5.7678640
8.5258451	0	9.8461901	4.2000000	5.7767224	1.6685122	1.0000167	5.7766260
8.6867432	0	9.9386643	4.1609211	5.8309767	1.7000000	1.0000170	5.8308775
8.7942922	0	1.0000000	4.1353998	5.8669621	1.7210474	1.0000172	5.8668611
8.9999207	0	1.0116236	4.0878840	5.9351571	1.7612890	1.0000176	5.9350526
9.0000000	0	1.0116280	4.0878660	5.9351833	1.7613045	1.0000176	5.9350787
9.1977281	0	1.0226758	4.0437057	6.0000000	1.7999838	1.0000180	5.9998920
9.1977281	0	1.0226804	4.0436875	6.0000270	1.8000000	1.0000180	5.9999190
9.1979764	0	1.0226942	4.0436329	6.0001080	1.8000486	1.0000180	6.0000000
9.3997362	0	1.0338550	4.0000000	6.0655585	1.8395331	1.0000184	6.0654469
9.4999117	0	1.0393444	3.9788541	6.0977943	1.8591375	1.0000186	6.0976809
9.5000000	0	1.0393492	3.9788356	6.0978226	1.8591548	1.0000186	6.0977093
9.7087130	0	1.0507045	3.9358354	6.1644433	1.9000000	1.0000190	6.1643262
9.9999022	0	1.0663449	3.8781073	6.2562049	1.9569859	1.0000196	6.2560825
1.0000000	1	1.0663501	3.8780883	6.2562356	1.9570050	1.0000196	6.2561131
1.0219698	1	1.0780003	3.8361769	6.3245869	2.0000000	1.0000200	6.3244605
1.0415210	1	1.0882631	3.8000000	6.3847984	2.0382618	1.0000204	6.3846683
1.0641074	1	1.1000000	3.7594544	6.4536583	2.0824636	1.0000208	6.4535239
1.0730683	1	1.1046219	3.7437243	6.4807747	2.1000000	1.0000210	6.4806386
1.0794442	1	1.1078988	3.7326514	6.5000000	2.1124777	1.0000211	6.4998627
1.0794898	1	1.1079222	3.7325725	6.5001373	2.1125669	1.0000211	6.5000000
1.0999882	1	1.1183919	3.6976302	6.5615631	2.1526823	1.0000215	6.5614219
1.1000000	1	1.1183980	3.6976103	6.5615984	2.1527055	1.0000215	6.5614572
1.1241668	1	1.1306168	3.6576493	6.6332861	2.2000000	1.0000220	6.6331401
1.1604587	1	1.1487222	3.6000000	6.7395094	2.2710236	1.0000227	6.7393564
1.1752653	1	1.1560274	3.5772507	6.7823690	2.3000000	1.0000230	6.7822130
1.1999859	1	1.1681223	3.5402114	6.8533291	2.3483784	1.0000235	6.8531682
1.2000000	1	1.1681291	3.5401906	6.8533694	2.3484060	1.0000235	6.8532084

V	V^*	$H\rho$	λ	p^*	E^*	W^*	β
1.2263637	1	1.1808914	3.5019308	6.9282448	2.4000000	1.0000240	6.9280785
1.2518977	1	1.1931217	3.4660334	7.0000000	2.4499700	1.0000245	6.9998285
1.2519590	1	1.1931510	3.4659485	7.0001715	2.4500900	1.0000245	7.0000000
1.2663733	1	1.2000000	3.4461665	7.0403545	2.4782989	1.0000248	7.0401800
1.2774622	1	1.2052425	3.4311766	7.0711120	2.5000000	1.0000250	7.0709352
1.2999835	1	1.2158202	3.4013251	7.1331711	2.5440742	1.0000254	7.1329897
1.3000000	1	1.2158280	3.4013035	7.1332165	2.5441065	1.0000254	7.1330350
1.3009969	1	1.2162941	3.4000000	7.1359512	2.5460576	1.0000255	7.1357695
1.3285607	1	1.2291113	3.3645446	7.2111494	2.6000000	1.0000260	7.2109619
1.3796592	1	1.2525254	3.3016496	7.3485188	2.7000000	1.0000270	7.3483204
1.3999808	1	1.2617163	3.2775989	7.4024415	2.7397695	1.0000274	7.4022387
1.4000000	1	1.2617249	3.2775764	7.4024922	2.7398070	1.0000274	7.4022894
1.4307577	1	1.2755097	3.2421547	7.4833672	2.8000000	1.0000280	7.4831576
1.4371248	1	1.2783447	3.2349645	7.5000000	2.8124605	1.0000281	7.4997891
1.4372056	1	1.2783807	3.2348736	7.5002109	2.8126187	1.0000281	7.5000000
1.4687012	1	1.2923124	3.2000000	7.5819481	2.8742556	1.0000287	7.5817302
1.4818562	1	1.2980872	3.1857643	7.6158283	2.9000000	1.0000290	7.6156075
1.4862266	1	1.3000000	3.1810768	7.6270507	2.9085528	1.0000291	7.6268289
1.4999780	1	1.3060004	3.1664613	7.6622549	2.9354644	1.0000294	7.6620300
1.5000000	1	1.3060100	3.1664381	7.6623111	2.9355075	1.0000294	7.6620862
1.52929547	1	1.3202786	3.1322175	7.7460248	3.0000000	1.0000300	7.7457924
1.5999750	1	1.3488314	3.0659130	7.9135429	3.1311590	1.0000313	7.9132951
1.6000000	1	1.3488420	3.0658890	7.9136048	3.1312080	1.0000313	7.9133570
1.6351255	1	1.3635677	3.0327793	8.0000000	3.1999488	1.0000320	7.9997440
1.6351517	1	1.3635786	3.0327550	8.0000640	3.2000000	1.0000320	7.9998080
1.6351778	1	1.3635786	3.0327550	8.0000640	3.2000000	1.0000320	7.9998080
1.6352563	1	1.3636113	3.0326822	8.0002560	3.2001536	1.0000320	8.0000000
1.6710796	1	1.3784666	3.0000000	8.0874113	3.2702576	1.0000327	8.0871469
1.7000000	1	1.3903436	2.9743725	8.1570933	3.3268532	1.0000333	8.1568219
1.6999717	1	1.3903552	2.9743478	8.1571611	3.3269085	1.0000333	8.1568897
1.7000000	1	1.3903552	2.9743478	8.1571611	3.3269085	1.0000333	8.1568897
1.7236670	1	1.4000000	2.9538570	8.2137469	3.3732250	1.0000337	8.2134699
1.7373486	1	1.4055454	2.9422030	8.2462813	3.4000000	1.0000340	8.2460010
1.7882822	1	1.4259999	2.9000000	8.33662876	3.4996772	1.0000350	8.3659948
1.7999683	1	1.4306518	2.8905705	8.3925797	3.5225470	1.0000352	8.3932841
1.8000000	1	1.4306644	2.8905451	8.3936536	3.5226090	1.0000352	8.3933580
1.8395456	1	1.4462950	2.8593060	8.4853577	3.6000000	1.0000360	8.4850523
1.8458996	1	1.4487907	2.8543805	8.5000000	3.6124348	1.0000361	8.4996930
1.8460330	1	1.4488430	2.8542774	8.5003071	3.6126958	1.0000361	8.5000000
1.8999647	1	1.4698560	2.8134476	8.6236834	3.7182404	1.0000372	8.6232628
1.9000000	1	1.4698686	2.8134486	8.6236636	3.7183095	1.0000372	8.6233429
1.9182951	1	1.4769285	2.8000000	8.6650836	3.7541132	1.0000375	8.6647583

V	V*	H ρ	λ	p*	E*	W*	β		
1.9417426	1	1.4859276	2.7830427	8	8.7178807	3.8000000	5	8.7175494	- 3
1.9786945	1	1.5000000	2.7569332	8	8.8004431	3.8723150	5	8.8001024	- 3
1.9999609	1	1.5080394	2.7422360	8	8.8476099	3.9139334	5	8.8472636	- 3
2.0000000	1	1.5080541	2.7422091	8	8.8476965	3.9140100	5	8.8473502	- 3
2.0439396	1	1.5245303	2.7125731	8	8.94443615	4.0000000	5	8.9440036	- 3
2.0630196	1	1.5316296	2.7000000	8	8.9860126	4.0373396	5	8.9856498	- 3
2.0694469	1	1.5340137	2.6958038	8	9.0000000	4.0499180	5	8.9996355	- 3
2.0696145	1	1.5340758	2.6956946	8	9.0003645	4.0502461	5	9.0000000	- 3
2.0999568	1	1.5452805	2.6761483	8	9.0661023	4.1096261	5	9.0657297	- 3
2.1000000	1	1.5452964	2.6761208	8	9.0661954	4.1097105	5	9.0658229	- 3
2.1461366	1	1.5621795	2.6471990	8	9.1652476	4.2000000	5	9.1648627	- 3
2.1999526	1	1.5816450	2.6146194	8	9.2794515	4.3053184	5	9.2790520	- 3
2.2000000	1	1.5816621	2.6145913	8	9.2795514	4.3054110	5	9.2791519	- 3
2.2247617	1	1.5905384	2.6000000	8	9.3316285	4.3538697	5	9.3312222	- 3
2.2483335	1	1.5989424	2.5863344	8	9.3809347	4.4000000	5	9.3805220	- 3
2.2513086	1	1.6000000	2.5846249	8	9.3871393	4.4058222	5	9.3867258	- 3
2.2999482	1	1.6171921	2.5571482	8	9.4880046	4.5010102	5	9.4875775	- 3
2.3000000	1	1.6172103	2.5571194	8	9.4881113	4.5011115	5	9.4876843	- 3
2.3057673	1	1.6192366	2.5539194	8	9.5000000	4.5123982	5	9.4995713	- 3
2.3059754	1	1.6193097	2.5538041	8	9.5004287	4.5128055	5	9.5000000	- 3
2.3505305	1	1.6348790	2.5294837	8	9.5917733	4.6000000	5	9.5913321	- 3
2.3999436	1	1.6519744	2.5032075	8	9.6920710	4.6967017	5	9.6916158	- 3
2.4000000	1	1.6519938	2.5032781	8	9.6921848	4.6968120	5	9.6917296	- 3
2.4062979	1	1.6541599	2.5000000	8	9.7048936	4.7091371	5	9.7044366	- 3
2.4527275	1	1.6700426	2.4762242	8	9.7980765	4.8000000	5	9.7976063	- 3
2.4999388	1	1.6860393	2.4527304	8	9.8919286	4.8923929	5	9.8914446	- 3
2.5000000	1	1.6860599	2.4527004	8	9.8920496	4.8925125	5	9.8915656	- 3
2.5415091	1	1.7000000	2.4325881	8	9.9738356	4.9737461	5	9.9733395	- 3
2.5548606	1	1.7044596	2.4262234	8	1.0000000	4.9998750	5	9.9995000	- 3
2.5549245	1	1.7044809	2.4261931	8	1.0000125	5.0000000	5	9.9996250	- 3
2.5551161	1	1.7045449	2.4261021	8	1.0000500	5.0003750	5	1.0000000	- 2
2.5999339	1	1.7194294	2.4051000	8	1.0087827	5.0880836	5	1.0087314	- 2
2.6000000	1	1.7194513	2.4050694	8	1.0087956	5.0882130	5	1.0087442	- 2
2.6109951	1	1.7230833	2.4000000	8	1.0109264	5.1097306	5	1.0108748	- 2
2.6999287	1	1.7521834	2.3601409	8	1.0279994	5.2837740	5	1.0279451	- 2
2.7000000	1	1.7522066	2.3601098	8	1.0280130	5.2839135	5	1.0279586	- 2
2.7999233	1	1.7843363	2.3176124	8	1.0468633	5.4794639	5	1.0468060	- 2
2.8000000	1	1.7843607	2.3175806	8	1.0468777	5.4796140	5	1.0468263	- 2
2.8104169	1	1.7876769	2.3132814	8	1.0488233	5.5000000	5	1.0487656	- 2
2.8429674	1	1.7979999	2.3000000	8	1.0548797	5.5637016	5	1.0548211	- 2

V	V^*	$H\rho$	λ	P^*	E^*	W^*	β
2.8492958	1	1.8000000	2.2974443	- 8	1.0560532	- 2	1.0559943
2.8999177	1	1.8159199	2.2773030	- 8	1.0653933	- 5	1.10653329
2.9000000	1	1.8159456	2.2772707	- 8	1.0654084	- 2	1.10653480
2.9999119	1	1.8469635	2.2390263	- 8	1.0836065	- 2	1.10835429
3.0000000	1	1.8469906	2.2389934	- 8	1.0836224	- 2	1.10835588
3.0659094	1	1.8671700	2.2147956	- 8	1.0954615	- 2	1.10953958
3.0913651	1	1.8749056	2.2056576	- 8	1.1100000	- 2	1.10999335
3.0917392	1	1.8750190	2.2055242	- 8	1.1000666	- 5	1.11000000
3.1072849	1	1.8797272	2.2000000	- 8	1.1102828	- 2	1.11027618
3.1746682	1	1.9000000	2.1765262	- 8	1.1147228	- 2	1.1146535
3.1998998	1	1.9075357	2.1679279	- 8	1.1191440	- 2	1.1190739
3.2000000	1	1.9075656	2.1678939	- 8	1.1191615	- 2	1.1190914
3.2214018	1	1.9434146	2.1279041	- 8	1.1401940	- 2	1.1401198
3.3998869	1	1.9662428	2.1031990	- 8	1.1535872	- 2	1.1535104
3.4000000	1	1.9662755	2.1031640	- 8	1.1536064	- 2	1.1535296
3.4102527	1	1.9692380	2.1000000	- 8	1.1553445	- 2	1.1552674
3.5176261	1	2.0000000	2.0676999	- 8	1.1733924	- 2	1.1733116
3.5768943	1	2.0167791	2.0504971	- 8	1.1832367	- 2	1.1831538
3.5998732	1	2.0232471	2.0439420	- 8	1.1870314	- 2	1.1869478
3.6000000	1	2.0232828	2.0439060	- 8	1.1870523	- 2	1.1869687
3.6789588	1	2.0453515	2.0218528	- 8	1.2000000	- 2	1.1999136
3.6794886	1	2.0454988	2.0217073	- 8	1.2000864	- 2	1.2000000
3.7597907	1	2.0676999	2.0000000	- 8	1.2131117	- 2	1.2130224
3.7998587	1	2.0786888	1.9894271	- 8	1.2195589	- 2	1.2194682
3.8000000	1	2.0787275	1.9893901	- 8	1.2195815	- 2	1.2194908
3.8323867	1	2.0875673	1.9809660	- 8	1.2247678	- 2	1.2246760
3.8781691	1	2.1000000	1.9692380	- 8	1.2320620	- 2	1.2319685
3.9998435	1	2.1326897	1.9390536	- 8	1.2512410	- 2	1.2511431
4.0000000	1	2.1327315	1.9390157	- 8	1.2512655	- 2	1.2511675
4.0087791	1	2.1560330	1.9190159	- 8	1.2649364	- 2	1.2648352
4.1659565	1	2.1765262	1.9000000	- 8	1.2769597	- 2	1.2768556
4.1998274	1	2.1853567	1.8923226	- 8	1.2821405	- 2	1.2820351
4.2000000	1	2.1854016	1.8922837	- 8	1.2821668	- 2	1.2820614
4.2562968	1	2.2000000	1.8797272	- 8	1.2907317	- 2	1.2906242
4.3176399	1	2.2157975	1.8663257	- 8	1.3000000	- 2	1.2998902
4.3183697	1	2.2159848	1.8661680	- 8	1.3001099	- 2	1.3000000
4.3433562	1	2.2223907	1.8607889	- 8	1.3038682	- 2	1.3037574
4.3998106	1	2.2367839	1.8488151	- 8	1.3123126	- 2	1.3121996
4.4000000	1	2.2368320	1.8487753	- 8	1.3123409	- 2	1.3122279
4.4000000	1	2.2866824	1.8083595	- 8	1.3416710	- 2	1.3415502
4.5988640	1	2.2866824	1.8083595	- 8	1.3416710	- 2	1.3415502

V	V^*	$H\rho$	λ	p^*	E^*	W^*	β
4.5997930	1	2.2870550	1.8081768	1.3418065	9.0018179	0	1.3416857
4.6000000	1	2.2871064	1.8081362	1.3418367	9.0022231	0	1.3417159
4.6416769	1	2.2974443	1.8000000	1.3497019	9.0837850	0	1.3477795
4.6520089	1	2.3000000	1.7979999	1.3494013	9.1040047	0	1.3492784
4.7997746	1	2.3362446	1.7701057	1.3706658	9.3931829	0	1.3705371
4.8000000	1	2.3362994	1.7700641	1.3706980	9.3936241	0	1.3705693
4.8543565	1	2.3494913	1.7601257	1.3784376	9.5000000	0	1.3783067
4.9997554	1	2.3844196	1.7343423	1.3989300	9.7845464	0	1.3987931
5.0000000	1	2.3844780	1.7342999	1.3989642	9.7850251	0	1.3988273
5.0074066	1	2.3862435	1.7330167	1.4000000	9.7995199	0	1.3998628
5.0083882	1	2.3864774	1.7328469	1.4001372	9.8014408	0	1.4000000
5.0653049	1	2.4000000	1.7230833	1.4080709	9.9128270	0	1.4079313
5.1098489	1	2.4105302	1.7155561	1.4142489	1.0000000	0	1.4141075
5.2037891	1	2.4325881	1.7000000	1.4271902	1.0183841	0	1.4270449
5.4961843	1	2.5000000	1.6541599	1.4667405	1.0756060	0	1.4665828
5.4997040	1	2.5008004	1.6536305	1.4672101	1.0762948	0	1.4670522
5.5000000	1	2.5008677	1.6535860	1.4672496	1.0763528	0	1.4670917
5.6208338	1	2.5281917	1.6357145	1.4832805	1.1000000	0	1.4831173
5.7482567	1	2.5566894	1.6174823	1.5000000	1.1249367	0	1.4998313
5.7495503	1	2.5569771	1.6173003	1.5001688	1.1251899	0	1.5000000
5.8745514	1	2.5846249	1.6000000	1.5163896	1.1496527	0	1.5162153
5.9446469	1	2.6000000	1.5905384	1.5254101	1.1633704	0	1.5252327
5.9996478	1	2.6120008	1.5832307	1.5324510	1.1741341	0	1.5322711
6.0000000	1	2.6120775	1.5831842	1.5324960	1.1742030	0	1.5323160
6.1318187	1	2.6406167	1.5660735	1.5492398	1.2000000	0	1.5490539
6.4106921	1	2.7000000	1.5316296	1.5840098	1.2545757	0	1.5838811
6.4995866	1	2.7186567	1.5211188	1.5950256	1.2719724	0	1.5948227
6.5000000	1	2.7187431	1.5210705	1.5950763	1.2720533	0	1.5948734
6.5401881	1	2.7271354	1.5163896	1.6000000	1.2799181	0	1.5997952
6.5418627	1	2.7274845	1.5161955	1.6002048	1.2802458	0	1.6000000
6.6428036	1	2.7484479	1.5046310	1.6125040	1.3000000	0	1.6122944
6.6838812	1	2.7569332	1.4700000	1.6174823	1.3080389	0	1.6172707
6.8943193	1	2.8000000	1.4769285	1.6427494	1.3492218	0	1.6425278
6.9995206	1	2.8212833	1.4657868	1.6552362	1.3698097	0	1.6550095
7.0000000	1	2.8213800	1.4657366	1.6552929	1.3699035	0	1.6550662
7.1537885	1	2.8522063	1.4498951	1.6733786	1.4000000	0	1.6731444
7.3831983	1	2.8975814	1.4271902	1.7000000	1.4448956	0	1.6997544
7.3853325	1	2.8980002	1.4269840	1.7002457	1.4453133	0	1.7000000
7.3955282	1	2.9000000	1.4259999	1.7014190	1.4473086	0	1.7011728
7.4994497	1	2.9203057	1.4160846	1.7133323	1.4676461	0	1.7130809

V	V*	H ρ	λ	p*	E*	W*	β					
7.500000	1	2.9204129	1.4160326	- 8	1.7133952	- 2	1.4677538	- 4	1.0001468	0	1.7131437	- 2
7.6647734	1	2.9523214	1.4007282	- 8	1.7321158	- 2	1.5000000	- 4	1.0001500	0	1.7318560	- 2
7.6727485	1	2.9538570	1.4000000	- 8	1.7330167	- 2	1.5015607	- 4	1.0001502	0	1.7327565	- 2
7.9143182	1	3.0000000	1.3784666	- 8	1.7600886	- 2	1.5488360	- 4	1.0001549	0	1.7598161	- 2
7.9993739	1	3.0160788	1.3711180	- 8	1.7695220	- 2	1.5654815	- 4	1.0001565	0	1.7692450	- 2
8.0000000	1	3.0161968	1.3710643	- 8	1.7695912	- 2	1.5656040	- 4	1.0001566	0	1.7693142	- 2
8.1757583	1	3.0491520	1.3562459	- 8	1.7889259	- 2	1.6000000	- 4	1.0001600	0	1.7886398	- 2
8.2772849	1	3.0680273	1.3479019	- 8	1.8000000	- 2	1.6198688	- 4	1.0001620	0	1.7997085	- 2
8.2799674	1	3.0685245	1.3476835	- 8	1.8002917	- 2	1.6203938	- 4	1.0001620	0	1.8000000	- 2
8.4992931	1	3.1089028	1.3301798	- 8	1.8239815	- 2	1.66333159	- 4	1.0001663	0	1.8236782	- 2
8.5000000	1	3.1090321	1.3301245	- 8	1.8240574	- 2	1.6634543	- 4	1.0001663	0	1.8237540	- 2
8.6867432	1	3.1430018	1.3157485	- 8	1.8439873	- 2	1.7000000	- 4	1.0001700	0	1.8436738	- 2
8.8984655	1	3.1810768	1.3000000	- 8	1.8663257	- 2	1.7414342	- 4	1.0001741	0	1.8660007	- 2
8.9992076	1	3.1990346	1.2927024	- 8	1.8768615	- 2	1.7611494	- 4	1.0001761	0	1.8765310	- 2
9.0000000	1	3.1991755	1.2926455	- 8	1.8769441	- 2	1.7613045	- 4	1.0001761	0	1.8766136	- 2
9.0046393	1	3.2000000	1.2923124	- 8	1.8774279	- 2	1.7622124	- 4	1.0001762	0	1.8770971	- 2
9.1977281	1	3.2334733	1.2786745	- 8	1.8974520	- 2	1.8000000	- 4	1.0001800	0	1.8971105	- 2
9.2224451	1	3.2384733	1.2769597	- 8	1.9000000	- 2	1.8048371	- 4	1.0001805	0	1.8996571	- 2
9.2257753	1	3.2390580	1.2767292	- 8	1.9003430	- 2	1.8054889	- 4	1.0001805	0	1.9000000	- 2
9.4991171	1	3.2866956	1.2582242	- 8	1.9282919	- 2	1.8589820	- 4	1.0001859	0	1.9279335	- 2
9.5000000	1	3.2868484	1.2581657	- 8	1.9283815	- 2	1.8591548	- 4	1.0001859	0	1.9280230	- 2
9.7087130	1	3.3227613	1.2445672	- 8	1.9494515	- 2	1.9000000	- 4	1.0001900	0	1.9490811	- 2
9.9990217	1	3.3720786	1.2263652	- 8	1.9783857	- 2	1.9568136	- 4	1.0001957	0	1.9779987	- 2
1.0000000	2	3.3722435	1.2263052	- 8	1.9784825	- 2	1.9570050	- 4	1.0001957	0	1.9780954	- 2
1.0165278	2	3.4000000	1.2162941	- 8	1.9947671	- 2	1.9893500	- 4	1.0001989	0	1.9943704	- 2
1.0218676	2	3.4089192	1.2131117	- 8	2.0000000	- 2	1.9998000	- 4	1.0002000	0	1.9996001	- 2
1.0219698	2	3.4090897	1.2130510	- 8	2.0000000	- 2	2.0000000	- 4	1.0002000	0	1.9997001	- 2
1.0222765	2	3.4096012	1.2128691	- 8	2.0004001	- 2	2.0006002	- 4	1.0002001	0	2.0000000	- 2
1.0443180	2	3.4461665	1.2000000	- 8	2.0218528	- 2	2.0437356	- 4	1.0002044	0	2.0214397	- 2
1.0730683	2	3.4932862	1.1838136	- 8	2.0494977	- 2	2.1000000	- 4	1.0002100	0	2.0490674	- 2
1.0998816	2	3.5366658	1.1692933	- 8	2.0749484	- 2	2.1524739	- 4	1.0002152	0	2.0745019	- 2
1.1000000	2	3.5368562	1.1692304	- 8	2.0750601	- 2	2.1527055	- 4	1.0002153	0	2.0746135	- 2
1.1241668	2	3.5755013	1.1565930	- 8	2.0977331	- 2	2.2000000	- 4	1.0002200	0	2.0972717	- 2
1.1265975	2	3.57593652	1.1553445	- 8	2.1000000	- 2	2.2047570	- 4	1.0002205	0	2.0995371	- 2
1.1270945	2	3.5801547	1.1550897	- 8	2.1004632	- 2	2.2057296	- 4	1.0002206	0	2.1000000	- 2
1.1396230	2	3.6000000	1.1487222	- 8	2.1121064	- 2	2.2302479	- 4	1.0002230	0	2.1116354	- 2
1.1752653	2	3.6558688	1.1311675	- 8	2.1448844	- 2	2.3000000	- 4	1.0002300	0	2.1443912	- 2
1.1998591	2	3.6939270	1.1195131	- 8	2.1672130	- 2	2.3481303	- 4	1.0002348	0	2.1667042	- 2
1.2000000	2	3.6941439	1.1194474	- 8	2.1673402	- 2	2.3484060	- 4	1.0002348	0	2.1668313	- 2
1.2263637	2	3.7345080	1.1073480	- 8	2.1910217	- 2	2.4000000	- 4	1.0002400	0	2.1904960	- 2

V	V*	H _p	λ	p*	E*	W*	β					
1.2364339	2	3.7498112	1.1028288	- 8	2.2000000	- 2	2.4197073	- 4	0	1.0002420	2.1994678	- 2
1.2370325	2	3.7507190	1.1025619	- 8	2.2005326	- 2	2.4208788	- 4	0	1.0002421	2.2000000	- 2
1.2428006	2	3.7594544	1.1000000	- 8	2.2056576	- 2	2.4321670	- 4	0	1.0002432	2.2051213	- 2
1.2697490	2	3.8000000	1.0882631	- 8	2.2294456	- 2	2.4849051	- 4	0	1.0002485	2.2288917	- 2
1.2774622	2	3.8115258	1.0842631	- 8	2.2362077	- 2	2.5000000	- 4	0	1.0002500	2.22356488	- 2
1.2998347	2	3.8447611	1.0755934	- 8	2.2557068	- 2	2.5437830	- 4	0	1.0002544	2.2551331	- 2
1.3000000	2	3.8450056	1.0755250	- 8	2.2558502	- 2	2.5441065	- 4	0	1.0002544	2.2552765	- 2
1.3285607	2	3.8870186	1.0639002	- 8	2.3004991	- 2	2.6000000	- 4	0	1.0002600	2.2799063	- 2
1.3513763	2	3.9202571	1.0548797	- 8	2.3000000	- 2	2.6446503	- 4	0	1.0002645	2.2999919	- 2
1.3520915	2	3.9212945	1.0546007	- 8	2.3000086	- 2	2.6460499	- 4	0	1.0002646	2.3000000	- 2
1.3796592	2	3.9610736	1.0440098	- 8	2.32399469	- 2	2.7000000	- 4	0	1.0002700	2.3233196	- 2
1.3998083	2	3.9898972	1.0364678	- 8	2.3408575	- 2	2.7394318	- 4	0	1.0002739	2.3402165	- 2
1.4000000	2	3.9901704	1.0363968	- 8	2.3410179	- 2	2.7398070	- 4	0	1.0002740	2.3403767	- 2
1.4069052	2	4.0000000	1.0338500	- 8	2.3467848	- 2	2.7533205	- 4	0	1.0002753	2.3461389	- 2
1.4307577	2	4.0337700	1.0251948	- 8	2.3665976	- 2	2.8000000	- 4	0	1.0002800	2.36559351	- 2
1.4714246	2	4.0907031	1.0109264	- 8	2.4000000	- 2	2.8795854	- 4	0	1.0002880	2.3993091	- 2
1.4722725	2	4.0918817	1.0106352	- 8	2.4006915	- 2	2.8812448	- 4	0	1.0002881	2.4000000	- 2
1.4818562	2	4.1051799	1.0073614	- 8	2.4084935	- 2	2.9000000	- 4	0	1.0002900	2.4077953	- 2
1.4997799	2	4.1299359	1.0013230	- 8	2.4230178	- 2	2.9350768	- 4	0	1.0002935	2.4223068	- 2
1.5000000	2	4.1302390	1.0012495	- 8	2.4231956	- 2	2.9355075	- 4	0	1.0002936	2.4224844	- 2
1.5037504	2	4.1353998	1.0000000	- 8	2.4262234	- 2	2.9428470	- 4	0	1.0002943	2.4255096	- 2
1.5329547	2	4.1753695	9.9042728	- 9	2.4496734	- 2	3.0000000	- 4	0	1.0003000	2.4489388	- 2
1.5510911	2	4.2000000	9.8461901	- 9	2.4641241	- 2	3.0354930	- 4	0	1.0003035	2.4633763	- 2
1.5965784	2	4.2611491	9.7048936	- 9	2.5000000	- 2	3.1245119	- 4	0	1.0003125	2.4992191	- 2
1.5975767	2	4.2624813	9.7018604	- 9	2.5007816	- 2	3.1264656	- 4	0	1.0003126	2.5000000	- 2
1.5977496	2	4.2653795	9.6952682	- 9	2.5024820	- 2	3.1307160	- 4	0	1.0003131	2.5016988	- 2
1.6000000	2	4.2657134	9.6945094	- 9	2.5026779	- 2	3.1322080	- 4	0	1.0003131	2.5018945	- 2
1.6351517	2	4.3123246	9.5897229	- 9	2.5000245	- 2	3.2000000	- 4	0	1.0003200	2.5292152	- 2
1.6661789	2	4.3530524	9.5000000	- 9	2.5539194	- 2	3.2607205	- 4	0	1.0003261	2.5530869	- 2
1.6997173	2	4.3966525	9.4057918	- 9	2.5794994	- 2	3.3263553	- 4	0	1.0003326	2.5786416	- 2
1.7000000	2	4.3970182	9.4050096	- 9	2.5797139	- 2	3.3269085	- 4	0	1.0003327	2.5788560	- 2
1.7023061	2	4.4000000	9.3986360	- 9	2.5814633	- 2	3.3314215	- 4	0	1.0003331	2.5806036	- 2
1.7288052	2	4.4315950	9.3316285	- 9	2.6000000	- 2	3.3794290	- 4	0	1.0003379	2.5991216	- 2
1.7280071	2	4.4330937	9.3284738	- 9	2.6008792	- 2	3.3817146	- 4	0	1.0003382	2.6000000	- 2
1.7373486	2	4.4450647	9.3033513	- 9	2.6079026	- 2	3.4000000	- 4	0	1.0003400	2.6070162	- 2
1.7996831	2	4.5241181	9.1407865	- 9	2.6542830	- 2	3.5219888	- 4	0	1.0003522	2.6533485	- 2
1.8000000	2	4.5245165	9.1399817	- 9	2.6545167	- 2	3.5226090	- 4	0	1.0003523	2.6535820	- 2
1.8395456	2	4.5739567	9.0411871	- 9	2.6835231	- 2	3.6000000	- 4	0	1.0003600	2.6825573	- 2
1.8564179	2	4.5948887	9.0000000	- 9	2.6958038	- 2	3.6330191	- 4	0	1.0003633	2.6948247	- 2
1.8605495	2	4.6000000	8.9899996	- 9	2.6988026	- 2	3.6411048	- 4	0	1.0003641	2.6978203	- 2

V	V*	H ρ	λ	p*	E*	W*	β
1.8622006	2	4.6020410	8.9860126	2.7000000	3.6443359	1.0003644	2.6990164
1.8635589	2	4.6037193	8.9827366	2.7009847	3.6469941	1.0003647	2.7000000
1.8996469	2	4.6480895	8.8969883	2.7270165	3.7176185	1.0003718	2.7260031
1.9000000	2	4.6485216	8.8961614	2.7272700	3.7183095	1.0003718	2.7262563
1.9417426	2	4.6993173	8.8000013	2.7570716	3.8000000	1.0003800	2.7560243
1.9996088	2	4.7688392	8.6717115	2.7978599	3.9132444	1.0003913	2.7967655
2.0000000	2	4.7693059	8.6708631	2.7981337	3.9140100	1.0003914	2.7970389
2.0026683	2	2.0030608	8.6650836	2.8000000	3.9192320	1.0003919	2.7989030
2.0042394	2	2.0046324	8.6616862	2.8010982	3.9223065	1.0003922	2.8000000
2.0258208	2	2.0262224	8.6154163	2.8161418	3.9645415	1.0003965	2.8150258
2.0439396	2	2.0443484	8.5717374	2.8287100	4.0000000	1.0004000	2.8275789
2.0811978	2	2.0816216	8.5000000	2.8543805	4.0729145	1.0004073	2.8532184
2.0995687	2	2.1000000	8.4627239	2.8669533	4.1088664	1.0004109	2.8657758
2.1000000	2	2.1004315	8.4618546	2.8672478	4.1097105	1.0004110	2.8660699
2.1461366	2	2.1465872	8.3703872	2.8985797	4.2000000	1.0004200	2.8973628
2.1482399	2	2.1486915	8.3662876	2.9000000	4.2041163	1.0004204	2.8987813
2.1500477	2	2.1505000	8.3627688	2.9012202	4.2076542	1.0004208	2.9000000
2.1981192	2	2.1985920	8.2707997	2.9334810	4.3017303	1.0004302	2.9322197
2.1995266	2	2.2000000	8.2681525	2.9344202	4.3044846	1.0004304	2.9331577
2.2000000	2	2.2004736	8.2672627	2.9347361	4.3054110	1.0004305	2.9334731
2.2483335	2	2.2488282	8.1778979	2.9668057	4.4000000	1.0004400	2.9655009
2.2989149	2	2.2994320	8.0874113	3.0000000	4.4989880	1.0004499	2.9986509
2.2994826	2	2.3000000	8.0864127	3.0003705	4.5000990	1.0004500	2.9990209
2.3000000	2	2.3005176	8.0855029	3.0007081	4.5011115	1.0004501	2.9993580
2.3009853	2	2.3015034	8.0837712	3.0013509	4.5030398	1.0004503	3.0000000
2.3494155	2	2.3499557	8.0000000	3.0327793	4.5978180	1.0004598	3.0313855
2.3505305	2	2.3510711	7.9981019	3.0334990	4.6000000	1.0004600	3.0321042
2.3994366	2	2.4000000	7.9161534	3.0649020	4.6957096	1.0004696	3.0634635
2.4000000	2	2.4005636	7.9152240	3.0652618	4.6968120	1.0004697	3.0638228
2.4527275	2	2.4533161	7.8296629	3.0987585	4.8000000	1.0004800	3.0972718
2.4993887	2	2.5000000	7.7562146	3.1281025	4.8913163	1.0004891	3.1265732
2.5000000	2	2.5006116	7.7552661	3.1284851	4.8925125	1.0004893	3.1269552
2.549245	2	2.5505632	7.6714332	3.1626729	5.0000000	1.0005000	3.1610924
2.5993387	2	2.6000000	7.6055941	3.1900511	5.0869188	1.0005087	3.1884292
2.6000000	2	2.6006615	7.6046268	3.1904569	5.0882130	1.0005088	3.1888343
2.6155733	2	2.6162427	7.5819481	3.2000000	5.1186900	1.0005119	3.1983629
2.6182536	2	2.6189244	7.5780652	3.2016397	5.1239355	1.0005124	3.2000000
2.6596044	2	2.6602963	7.5189908	3.2268291	5.2048592	1.0005205	3.2251505
2.6730283	2	2.6737273	7.5000000	3.2349645	5.2311298	1.0005231	3.2332732
2.6992871	2	2.7000000	7.4634210	3.2508194	5.2825184	1.0005283	3.2491031

V	V*	H ρ	λ	p*	E*	W*	β
2.700000	2	5.5416224	7.4624353	3.2512488	5.2839135	1.0005284	3.2495318
2.7992333	2	5.6425667	7.3289339	3.3104725	5.4781136	1.0005478	3.3086600
2.800000	2	5.6433396	7.3279301	3.3109260	5.4796140	1.0005480	3.3091127
2.8104169	2	5.6538303	7.3143331	3.3170808	5.5000000	1.0005500	3.3152574
2.8991775	2	5.7424429	7.2014645	3.3690695	5.6737050	1.0005674	3.3671590
2.900000	2	5.7432576	7.2004429	3.3695474	5.6753145	1.0005675	3.3676362
2.9526396	2	5.7951627	7.1359512	3.4000000	5.7783306	1.0005778	3.3980365
2.9560558	2	5.7985152	7.1318254	3.4019669	5.7850161	1.0005785	3.4000000
2.9991197	2	5.8406114	7.0804228	3.4266646	5.8692924	1.0005869	3.4246545
3.000000	2	5.8414686	7.0793838	3.4271675	5.8710150	1.0005871	3.4251566
3.0659094	2	5.9053069	7.0028533	3.4646212	6.0000000	1.0006000	3.4625437
3.0684088	2	5.9077140	7.0000000	3.4660334	6.0048915	1.0006005	3.4639534
3.1649926	2	6.0000000	6.8923330	3.5201773	6.1939063	1.0006194	3.5179982
3.1989987	2	6.0321575	6.8555899	3.5390440	6.2604566	1.0006260	3.5368297
3.200000	2	6.0331018	6.8545168	3.5395980	6.2624160	1.0006262	3.5373827
3.3101098	2	6.1360546	6.7395094	3.6000000	6.4779015	1.0006478	3.5977695
3.3144041	2	6.1400347	6.7351408	3.6023351	6.4863054	1.0006486	3.6000000
3.3214018	2	6.1465151	6.7280398	3.6061371	6.5000000	1.0006500	3.6037947
3.3988696	2	6.2178057	6.6508991	3.6479630	6.6516048	1.0006652	3.6455381
3.400000	2	6.2188399	6.6497931	3.6485698	6.6538171	1.0006654	3.6461437
3.5584569	2	6.3621536	6.5000000	3.7326514	6.9639180	1.0006964	3.7300000
3.5768943	2	6.3786199	6.4832203	3.7423121	7.0000000	1.0007000	3.7396943
3.5983329	2	6.3980692	6.4635122	3.7537230	7.0427384	1.0007043	3.7510812
3.600000	2	6.3991960	6.4623740	3.7543841	7.0452181	1.0007045	3.7517409
3.6879798	2	6.4769466	6.3847984	3.8000000	7.2173949	1.0007217	3.7972594
3.6933113	2	6.4816280	6.3801869	3.8027466	7.2278287	1.0007228	3.8000000
3.7142705	2	6.5000000	6.3621536	3.8135254	7.2688461	1.0007269	3.8107554
3.7985882	2	6.5733913	6.2911208	3.8565837	7.4338561	1.0007434	3.8537189
3.800000	2	6.5746132	6.2899515	3.8573007	7.4366191	1.0007437	3.8544343
3.8323867	2	6.6025814	6.2633076	3.8737095	7.5000000	1.0007500	3.8708064
3.9984359	2	6.7441571	6.1318260	3.9567714	7.8249592	1.0007825	3.9536777
4.000000	2	6.7454768	6.1306264	3.9575457	7.8280201	1.0007828	3.9544501
4.0862454	2	6.8178385	6.0655585	4.0000000	7.9968027	1.0007997	3.9968038
4.0878791	2	6.8192019	6.0643458	4.0007999	8.0000000	1.0008000	3.9976018
4.0927912	2	6.8232993	6.0607041	4.0032038	8.0096128	1.0008010	4.0000000
4.1759926	2	6.8923330	6.0000000	4.0437057	8.1724385	1.0008172	4.0404037
4.1982755	2	6.9107046	5.9840495	4.0544842	8.2160463	1.0008216	4.0511558
4.200000	2	6.9121245	5.9828202	4.0553173	8.2194211	1.0008219	4.0519868
4.3004250	2	7.0000000	5.9077140	4.1068735	8.4296524	1.0008430	4.1034144
4.3433716	2	7.0291603	5.8832060	4.1239817	8.5000000	1.0008500	4.1204793

V	V*	H _p	λ	p*	E*	W*	β		
4.3981077	2	7.0733317	1	5.8464667	- 9	4.1498969	- 2	4.1463281	- 2
4.4000000	2	7.0748542	1	5.8452086	- 9	4.1507901	- 2	4.1472190	- 2
4.5049015	2	7.1587304	1	5.7767224	- 9	4.2000000	- 2	4.1963005	- 2
4.5128582	2	7.1650528	1	5.7716251	- 9	4.2037093	- 2	4.2000000	- 2
4.5979317	2	7.2323028	1	5.7179573	- 9	4.2431646	- 2	4.2393500	- 2
4.5988640	2	7.2330366	1	5.7173771	- 9	4.2435952	- 2	4.2397794	- 2
4.6000000	2	7.2339303	1	5.7166708	- 9	4.2441195	- 2	4.2403023	- 2
4.7977475	2	7.3878540	1	5.5975657	- 9	4.3344259	- 2	4.3303601	- 2
4.8000000	2	7.3895888	1	5.5962516	- 9	4.3354437	- 2	4.3313750	- 2
4.8543565	2	7.4313316	1	5.5648167	- 9	4.3599341	- 2	4.3557961	- 2
4.9439422	2	7.4996223	1	5.5141441	- 9	4.4000000	- 2	4.3957470	- 2
4.9444396	2	7.5000000	1	5.5138664	- 9	4.4002216	- 2	4.3959679	- 2
4.9535275	2	7.5068925	1	5.5088038	- 9	4.4042654	- 2	4.4000000	- 2
4.9693905	2	7.5189088	1	5.5000000	- 9	4.4113153	- 2	4.4070294	- 2
4.9975558	2	7.5401969	1	5.4844719	- 9	4.4238049	- 2	4.4194826	- 2
5.0000000	2	7.5420412	1	5.4831308	- 9	4.4248870	- 2	4.4205615	- 2
5.1098489	2	7.6244806	1	5.2738447	- 9	4.4732538	- 2	4.4687851	- 2
5.4033636	2	7.8405143	1	5.2474987	- 9	4.6000000	- 2	4.5951409	- 2
5.4148150	2	7.8488227	1	5.2688154	- 9	4.6048745	- 2	4.6000000	- 2
5.4970436	2	7.9082252	1	5.2292388	- 9	4.6397258	- 2	4.6347398	- 2
5.5000000	2	7.9103530	1	5.2278322	- 9	4.6409741	- 2	4.6359841	- 2
5.6208338	2	7.9968225	1	5.1713038	- 9	4.6917054	- 2	4.6865502	- 2
5.6252987	2	8.0000000	1	5.1692498	- 9	4.6935697	- 2	4.6884083	- 2
5.8831592	2	8.1814062	1	5.0546321	- 9	4.8000000	- 2	4.7944799	- 2
5.8967375	2	8.1908475	1	5.0488058	- 9	4.8055392	- 2	4.8000000	- 2
5.9964816	2	8.2598719	1	5.0066150	- 9	4.8460355	- 2	4.8403553	- 2
6.0000000	2	8.2622962	1	5.0051459	- 9	4.8474579	- 2	4.8417726	- 2
6.0123497	2	8.2707997	1	5.0000000	- 9	4.8524468	- 2	4.8647440	- 2
6.1318187	2	8.3526174	1	4.9510227	- 9	4.9004490	- 2	4.8945755	- 2
6.3499852	2	8.5000000	1	4.8651763	- 9	4.9869178	- 2	4.9807282	- 2
6.3833244	2	8.5222981	1	4.8524468	- 9	5.0000000	- 2	4.9937617	- 2
6.3993124	2	8.5329710	1	4.8463774	- 9	5.0062617	- 2	5.0000000	- 2
6.4958713	2	8.5971472	1	4.8102001	- 9	5.0439137	- 2	5.0375098	- 2
6.5000000	2	8.5998808	1	4.8086711	- 9	5.0455175	- 2	5.0391074	- 2
6.5234901	2	8.6154163	1	4.8000000	- 9	5.0546321	- 2	5.0481873	- 2
6.6428036	2	8.6938970	1	4.7566699	- 9	5.1006764	- 2	5.0940542	- 2
6.9952119	2	8.9216813	1	4.6352248	- 9	5.2343166	- 2	5.2271608	- 2
7.0000000	2	8.9247362	1	4.6336381	- 9	5.2361089	- 2	5.2289458	- 2
7.1026802	2	8.9899996	1	4.6000000	- 9	5.2743987	- 2	5.2670775	- 2
7.1184798	2	9.0000000	1	4.5948887	- 9	5.2802659	- 2	5.2729202	- 2

V	V*	H _p	λ	p*	E*	W*	β
7.1537885	2	9.0223087	4.5835273	5.2933543	1.4000000	1.0014000	5.2859540
7.4945042	2	9.2348175	4.4780526	5.4180324	1.4666782	1.0014667	5.4100975
7.5000000	2	9.2505041	4.4764103	5.4200201	1.4677538	1.0014678	5.4120765
7.5000000	1	9.3392101	4.4279974	5.4792791	1.5000000	1.0015000	5.4710725
7.6647734	2	9.3745279	4.4113153	5.5000000	1.5113580	1.0015114	5.4917001
7.7228110	2	9.3745279	4.4113153	5.5000000	1.5113580	1.0015114	5.4917001
7.7462252	2	9.3887392	4.4046381	5.5083377	1.5159402	1.0015159	5.5000000
7.7625524	2	9.3986360	4.4000000	5.5141441	1.5191354	1.0015191	5.5057801
7.9307623	2	9.5000000	4.3530524	5.5736140	1.5520542	1.0015521	5.5649768
7.9937473	2	9.5376785	4.3358558	5.5957198	1.5643804	1.0015644	5.5869797
8.0000000	2	9.5414108	4.3341597	5.5979096	1.5656604	1.0015656	5.5891591
8.1757583	2	9.6457356	4.2872830	5.6591165	1.6000000	1.0016000	5.6500764
8.4929422	2	9.8312140	4.2063980	5.7679360	1.6620730	1.0016621	5.7583651
8.5000000	2	9.8353016	4.2046498	5.7703341	1.6634543	1.0016635	5.7607514
8.5188151	2	9.8461901	4.2000000	5.7767224	1.6671364	1.0016671	5.7671078
8.6867432	2	9.9428451	4.1591715	5.8334295	1.7000000	1.0017000	5.82235295
8.7868128	2	1.0000000	4.1353998	5.8669621	1.7195837	1.0017196	5.8568907
8.9920880	2	1.0116236	4.0878840	5.9351571	1.7597561	1.0017598	5.9247311
9.0000000	2	1.0120689	4.0860852	5.9377700	1.7613045	1.0017613	5.9273301
9.1894648	2	1.0226758	4.0437057	6.0000000	1.7983829	1.0017984	5.9892291
9.1977281	2	1.0231359	4.0418872	6.0026994	1.8000000	1.0018000	5.9919139
9.2226367	2	1.0245216	4.0364204	6.0108292	1.8048746	1.0018049	6.0000000
9.3911931	2	1.0338500	4.0000000	6.0655585	1.8378612	1.0018379	6.0544313
9.4911854	2	1.0393444	3.9788541	6.0977943	1.8574297	1.0018574	6.0864891
9.5000000	2	1.0398274	3.9770061	6.1006278	1.8591548	1.0018592	6.0893069
9.7087130	2	1.0511984	3.9339859	6.1673414	1.9000000	1.0019000	6.1556457
9.9902338	3	1.0663449	3.8781073	6.2562049	1.9550938	1.0019551	6.2439973
1.0000000	3	1.0668665	3.8762113	6.2592651	1.9570050	1.0019570	6.2470396
1.0219698	3	1.0785338	3.8342794	6.3277168	2.0000000	1.0020000	6.3150866
1.0404723	3	1.0882631	3.8000000	6.3847984	2.0362095	1.0020362	6.3718241
1.0630128	3	1.1000000	3.7594544	6.45336583	2.0803214	1.0020803	6.4402605
1.0730683	3	1.1051959	3.7417801	6.4841422	2.1000000	1.0021000	6.4705540
1.0783178	3	1.1078988	3.7326514	6.5000000	2.1102733	1.0021103	6.4863121
1.0828882	3	1.1102466	3.7245748	6.5137749	2.1192176	1.0021192	6.5000000
1.0988185	3	1.1183919	3.6976302	6.5615631	2.1503934	1.0021504	6.5474834
1.1000000	3	1.1189937	3.6956418	6.5650934	2.1527055	1.0021527	6.5509911
1.1241668	3	1.1312323	3.6556593	6.6368969	2.2000000	1.0022000	6.6223277
1.1591572	3	1.1487222	3.6000000	6.7395094	2.2684764	1.0022685	6.7242556
1.1752653	3	1.1566653	3.5752161	6.7862287	2.3000000	1.0023000	6.7706562
1.1985942	3	1.1681223	3.5402114	6.8533291	2.3456549	1.0023457	6.8372912
1.2000000	3	1.1688079	3.5381348	6.8573516	2.3484060	1.0023484	6.8412854

V	V*	H ρ	λ	p*	E*	W*	β								
1.2263637	3	1.1815926	2	3.4998526	- 9	6.9323589	- 2	2.4000000	- 3	2.4000000	0	1.0024000	0	6.9157611	- 2
1.2503832	3	1.1931217	2	3.4660334	- 9	7.0000000	- 2	7.0000000	- 3	2.4470061	- 3	1.0024470	0	6.9829128	- 2
1.2565326	3	1.1960557	2	3.4575312	- 9	7.0172133	- 2	7.0172133	- 3	2.4590407	- 3	1.0024590	0	7.0000000	- 2
1.2648236	3	1.2000000	2	3.4461665	- 9	7.0403545	- 2	7.0403545	- 3	2.4752661	- 3	1.0024753	0	7.0229708	- 2
1.2774622	3	1.2059880	2	3.4290555	- 9	7.0754858	- 2	7.0754858	- 3	2.5000000	- 3	1.0025000	0	7.0578412	- 2
1.2983505	3	1.2158202	2	3.4013251	- 9	7.1331711	- 2	7.1331711	- 3	2.5408785	- 3	1.0025409	0	7.1150925	- 2
1.2993615	3	1.2162941	2	3.4000000	- 9	7.1359512	- 2	7.1359512	- 3	2.5428570	- 3	1.0025429	0	7.1178515	- 2
1.3000000	3	1.2165933	2	3.3991638	- 9	7.1377066	- 2	7.1377066	- 3	2.5441065	- 3	1.0025441	0	7.1195936	- 2
1.3285607	3	1.2299020	2	3.3623817	- 9	7.2157882	- 2	7.2157882	- 3	2.6000000	- 3	1.0026000	0	7.1970758	- 2
1.3796592	3	1.2533621	2	3.2994455	- 9	7.3534278	- 2	7.3534278	- 3	2.7000000	- 3	1.0027000	0	7.3336270	- 2
1.3980874	3	1.2617163	2	3.2775989	- 9	7.4024415	- 2	7.4024415	- 3	2.7360641	- 3	1.0027361	0	7.3822432	- 2
1.4000000	3	1.2625802	2	3.2753562	- 9	7.4075101	- 2	7.4075101	- 3	2.7398070	- 3	1.0027398	0	7.3872704	- 2
1.4307577	3	1.2763933	2	3.2399103	- 9	7.4885513	- 2	7.4885513	- 3	2.8000000	- 3	1.0028000	0	7.4676419	- 2
1.4351297	3	1.2783447	2	3.2349645	- 9	7.5000000	- 2	7.5000000	- 3	2.8085560	- 3	1.0028086	0	7.4789948	- 2
1.4432365	3	1.2819553	2	3.22258534	- 9	7.5211832	- 2	7.5211832	- 3	2.8244211	- 3	1.0028244	0	7.5000000	- 2
1.4666175	3	1.2923124	2	3.2000000	- 9	7.5819481	- 2	7.5819481	- 3	2.8701778	- 3	1.0028702	0	7.5602489	- 2
1.4840930	3	1.2990185	2	3.1834802	- 9	7.6212925	- 2	7.6212925	- 3	2.9000000	- 3	1.0029000	0	7.5992547	- 2
1.4840930	3	1.3000000	2	3.1810768	- 9	7.6270575	- 2	7.6270575	- 3	2.9043775	- 3	1.0029044	0	7.6049630	- 2
1.4978048	3	1.3060004	2	3.1664613	- 9	7.6622549	- 2	7.6622549	- 3	2.9312115	- 3	1.0029312	0	7.6398609	- 2
1.5000000	3	1.3069585	2	3.1641401	- 9	7.6678760	- 2	7.6678760	- 3	2.9355075	- 3	1.0029355	0	7.6454328	- 2
1.5292547	3	1.3212586	2	3.1298944	- 9	7.7517740	- 2	7.7517740	- 3	3.0000000	- 3	1.0030000	0	7.7285882	- 2
1.5975029	3	1.3488314	2	3.0659130	- 9	7.9135429	- 2	7.9135429	- 3	3.1263211	- 3	1.0031263	0	7.8888797	- 2
1.6000000	3	1.3498869	2	3.0635158	- 9	7.9197352	- 2	7.9197352	- 3	3.1312080	- 3	1.0031312	0	7.8950142	- 2
1.6325437	3	1.3635677	2	3.0327793	- 9	8.0000000	- 2	8.0000000	- 3	3.1948963	- 3	1.0031949	0	7.9745222	- 2
1.6351517	3	1.3646581	2	3.0303559	- 9	8.0063974	- 2	8.0063974	- 3	3.2000000	- 3	1.0032000	0	7.9808587	- 2
1.6430425	3	1.3679522	2	3.0230588	- 9	8.0257235	- 2	8.0257235	- 3	3.2154424	- 3	1.0032154	0	8.0000000	- 2
1.6683560	3	1.3784666	2	3.0000000	- 9	8.0874113	- 2	8.0874113	- 3	3.2649811	- 3	1.0032650	0	8.0610920	- 2
1.6971815	3	1.3903436	2	2.9743725	- 9	8.1570933	- 2	8.1570933	- 3	3.3213927	- 3	1.0033214	0	8.1300900	- 2
1.7000000	3	1.3914995	2	2.9719017	- 9	8.1638749	- 2	8.1638749	- 3	3.3269085	- 3	1.0033269	0	8.1368045	- 2
1.7207986	3	1.4000000	2	2.9538570	- 9	8.2137469	- 2	8.2137469	- 3	3.3676115	- 3	1.0033676	0	8.1861791	- 2
1.7373486	3	1.4067276	2	2.9397303	- 9	8.2532176	- 2	8.2532176	- 3	3.4000000	- 3	1.0034000	0	8.2252517	- 2
1.7851950	3	1.4259999	2	2.9000000	- 9	8.3662876	- 2	8.3662876	- 3	3.4936356	- 3	1.0034936	0	8.3371606	- 2
1.7968408	3	1.4306518	2	2.8957055	- 9	8.3935797	- 2	8.3935797	- 3	3.5164264	- 3	1.0035164	0	8.3641677	- 2
1.8000000	3	1.4319111	2	2.8880283	- 9	8.4009683	- 2	8.4009683	- 3	3.5226090	- 3	1.0035226	0	8.3714788	- 2
1.8395456	3	1.4475830	2	2.8567618	- 9	8.4929147	- 2	8.4929147	- 3	3.6000000	- 3	1.0036000	0	8.4624499	- 2
1.8426107	3	1.4487907	2	2.8543805	- 9	8.5000000	- 2	8.5000000	- 3	3.6059984	- 3	1.0036060	0	8.4694591	- 2
1.8559962	3	1.4540530	2	2.8440503	- 9	8.5308736	- 2	8.5308736	- 3	3.6321938	- 3	1.0036322	0	8.5000000	- 2
1.8964807	3	1.4698550	2	2.8134747	- 9	8.6235834	- 2	8.6235834	- 3	3.7114222	- 3	1.0037114	0	8.5916960	- 2
1.9000000	3	1.4712207	2	2.8108630	- 9	8.6315960	- 2	8.6315960	- 3	3.7183095	- 3	1.0037183	0	8.5996199	- 2
1.9147438	3	1.4769285	2	2.8000000	- 9	8.6650836	- 2	8.6650836	- 3	3.7471631	- 3	1.0037472	0	8.6327353	- 2

V	V^*	$H\rho$	λ	p^*	E^*	W^*	β						
1.9417426	3	1.4873244	2	2.7804290	- 9	8.7260759	- 2	3.8000000	- 3	3.8000000	- 3	8.6930423	- 2
1.9749163	3	1.5000000	2	2.7569332	- 9	8.8004431	- 2	3.8649212	- 3	3.8649212	- 3	8.7665611	- 2
1.9961012	3	1.5080394	2	2.7422360	- 9	8.8476099	- 2	3.9063802	- 3	3.9063802	- 3	8.8131822	- 2
2.0000000	3	1.5095143	2	2.7395566	- 9	8.8562631	- 2	3.9140100	- 3	3.9140100	- 3	8.8217347	- 2
2.0439396	3	1.5260388	2	2.7098917	- 9	8.9532117	- 2	4.0000000	- 3	4.0000000	- 3	8.9175415	- 2
2.0589132	3	1.5316296	2	2.7000000	- 9	8.9860126	- 2	4.0293035	- 3	4.0293035	- 3	8.9499505	- 2
2.0653150	3	1.5340137	2	2.6958038	- 9	9.0000000	- 2	4.0418319	- 3	4.0418319	- 3	8.9637699	- 2
2.0821464	3	1.5402644	2	2.6848636	- 9	9.0366729	- 2	4.0747710	- 3	4.0747710	- 3	9.0000000	- 2
2.0957024	3	1.5452805	2	2.6761483	- 9	9.0661023	- 2	4.1013001	- 3	4.1013001	- 3	9.0290714	- 2
2.1000000	3	1.5468674	2	2.6734030	- 9	9.0754123	- 2	4.1097105	- 3	4.1097105	- 3	9.0382676	- 2
2.1461366	3	1.5638025	2	2.6444515	- 9	9.1747697	- 2	4.2000000	- 3	4.2000000	- 3	9.1363969	- 2
2.1952843	3	1.5816450	2	2.6146194	- 9	9.2794515	- 2	4.2961825	- 3	4.2961825	- 3	9.2397558	- 2
2.2000000	3	1.5833465	2	2.6118097	- 9	9.2894341	- 2	4.3054110	- 3	4.3054110	- 3	9.2496107	- 2
2.2199877	3	1.5905384	2	2.6000000	- 9	9.3316285	- 2	4.3445270	- 3	4.3445270	- 3	9.2912623	- 2
2.2464202	3	1.6000000	2	2.5846249	- 9	9.3871393	- 2	4.3962557	- 3	4.3962557	- 3	9.3460517	- 2
2.2483335	3	1.6066827	2	2.5835225	- 9	9.3911448	- 2	4.4000000	- 3	4.4000000	- 3	9.3500047	- 2
2.2948469	3	1.6171921	2	2.5571482	- 9	9.4880046	- 2	4.4910269	- 3	4.4910269	- 3	9.4455842	- 2
2.3000000	3	1.6190108	2	2.5542756	- 9	9.4986752	- 2	4.5011115	- 3	4.5011115	- 3	9.4561122	- 2
2.3006402	3	1.6192366	2	2.5539194	- 9	9.5000000	- 2	4.5023643	- 3	4.5023643	- 3	9.4574193	- 2
2.3215452	3	1.6265933	2	2.5423687	- 9	9.5431611	- 2	4.5432755	- 3	4.5432755	- 3	9.5000000	- 2
2.3505305	3	1.6367392	2	2.5266088	- 9	9.6026871	- 2	4.6000000	- 3	4.6000000	- 3	9.5587170	- 2
2.3943902	3	1.6519744	2	2.5033075	- 9	9.6920710	- 2	4.6858336	- 3	4.6858336	- 3	9.6468674	- 2
2.4000000	3	1.6539130	2	2.5003733	- 9	9.7034448	- 2	4.6968120	- 3	4.6968120	- 3	9.6580826	- 2
2.4007151	3	1.6541599	2	2.5000000	- 9	9.7048936	- 2	4.6982114	- 3	4.6982114	- 3	9.6595112	- 2
2.4527275	3	1.6720254	2	2.4732877	- 9	9.8097095	- 2	4.8000000	- 3	4.8000000	- 3	9.7628478	- 2
2.4939141	3	1.6860393	2	2.4527304	- 9	9.8919286	- 2	4.8800000	- 3	4.8800000	- 3	9.8438845	- 2
2.5000000	3	1.6881003	2	2.4497359	- 9	9.9040203	- 2	4.8925125	- 3	4.8925125	- 3	9.8558006	- 2
2.5352828	3	1.7000000	2	2.4325681	- 9	9.9738356	- 2	4.9615612	- 3	4.9615612	- 3	9.9245941	- 2
2.5485689	3	1.7044596	2	2.4262334	- 9	1.0000000	- 1	4.9875621	- 3	4.9875621	- 3	9.9503719	- 2
2.5549245	3	1.7065889	2	2.4231963	- 9	1.0012492	- 1	5.0000000	- 3	5.0000000	- 3	9.9626788	- 2
2.5742475	3	1.7130464	2	2.4140618	- 9	1.0050378	- 1	5.0378153	- 3	5.0378153	- 3	1.0000000	- 1
2.5934188	3	1.7194294	2	2.4051000	- 9	1.0087827	- 1	5.0753336	- 3	5.0753336	- 3	1.0036887	- 1
2.6000000	3	1.7216153	2	2.4020465	- 9	1.0100651	- 1	5.0882130	- 3	5.0882130	- 3	1.0049517	- 1
2.6044246	3	1.7230833	2	2.4000000	- 9	1.0109264	- 1	5.0968720	- 3	5.0968720	- 3	1.0058000	- 1
2.6929042	3	1.7521834	2	2.3601409	- 9	1.0279994	- 1	5.2700270	- 3	5.2700270	- 3	1.0226102	- 1
2.7000000	3	1.7544965	2	2.3570294	- 9	1.0293564	- 1	5.2839135	- 3	5.2839135	- 3	1.0239460	- 1
2.7923703	3	1.7843363	2	2.3176124	- 9	1.0468633	- 1	5.4646826	- 3	5.4646826	- 3	1.0411736	- 1
2.8000000	3	1.7867790	2	2.3144440	- 9	1.0482964	- 1	5.4796140	- 3	5.4796140	- 3	1.0425835	- 1
2.8104169	3	1.7901087	2	2.3101390	- 9	1.0502560	- 1	5.5000000	- 3	5.5000000	- 3	1.0445052	- 1
2.8351811	3	1.7979999	2	2.3000000	- 9	1.0548797	- 1	5.5484637	- 3	5.5484637	- 3	1.0490591	- 1

V	V*	H ρ	λ	p^*	E*	W*	β
2.8414748	3	1.8000000	2.2974443	- 1	5.5607804	0	1.0502132
2.8918171	3	1.8159199	2.2773030	- 1	5.6593007	0	1.0593979
2.9000000	3	1.8184945	2.2740788	- 1	5.6753145	0	1.0608830
2.9912448	3	1.8469635	2.2390263	- 1	5.8538810	0	1.0773001
3.0000000	3	1.8496724	2.2357472	- 1	5.8710150	0	1.0788618
3.0659094	3	1.8699406	2.2115140	- 1	6.0000000	0	1.0905438
3.0821631	3	1.8749056	2.2056576	- 1	6.0318086	0	1.0934048
3.0979882	3	1.8797272	2.2000000	- 1	6.0627784	0	1.0961829
3.1197995	3	1.8863528	2.1922728	- 1	6.1054633	0	1.1000000
3.1649651	3	1.9000000	2.1765262	- 1	6.1938526	0	1.1078609
3.1900424	3	1.9075357	2.1679279	- 1	6.2429289	0	1.1122006
3.2000000	3	1.9105198	2.1645417	- 1	6.2624160	0	1.1139189
3.3214018	3	1.9465384	2.1244892	- 1	6.5000000	0	1.1346515
3.3887632	3	1.9662428	2.1031990	- 1	6.6318265	0	1.1459872
3.3990613	3	1.9692380	2.1000000	- 1	6.6519799	0	1.1477099
3.4000000	3	1.9695108	2.0997091	- 1	6.6538171	0	1.1478668
3.5057213	3	2.0000000	2.0676999	- 1	6.8607142	0	1.1653970
3.5768943	3	2.0202700	2.0469540	- 1	7.0000000	0	1.1770455
3.5874072	3	2.0232471	2.0439420	- 1	7.0205738	0	1.1787559
3.6000000	3	2.0268076	2.0403515	- 1	7.0452181	0	1.1808013
3.6659411	3	2.0453515	2.0218528	- 1	7.1742650	0	1.1914522
3.7193083	3	2.0602391	2.0072427	- 1	7.2787050	0	1.2000000
3.7461968	3	2.0676999	2.0000000	- 1	7.3313259	0	1.2042827
3.7859745	3	2.0786888	1.9894271	- 1	7.4091711	0	1.2105894
3.8000000	3	2.0825499	1.9857387	- 1	7.4366191	0	1.2128049
3.8323867	3	2.0914386	1.9772991	- 1	7.5000000	0	1.2179048
3.8637089	3	2.1000000	1.9692380	- 1	7.5612977	0	1.2228160
3.9844654	3	2.1326897	1.9390536	- 1	7.7976187	0	1.2415598
4.0000000	3	2.1368594	1.9352700	- 1	7.8280201	0	1.2439496
4.0878791	3	2.1602975	1.9142733	- 1	8.0000000	0	1.2573793
4.1492799	3	2.1765262	1.9000000	- 1	8.1201617	0	1.2666741
4.1828797	3	2.1853567	1.8923226	- 1	8.1859165	0	1.2717302
4.2000000	3	2.1898427	1.8884461	- 1	8.2194211	0	1.2742984
4.2388921	3	2.2000000	1.8797272	- 1	8.2955332	0	1.2801124
4.2997321	3	2.2157975	1.8663257	- 1	8.4145972	0	1.2891523
4.3433716	3	2.2270609	1.8568867	- 1	8.5000000	0	1.2955956
4.3733331	3	2.2347617	1.8504880	- 1	8.5586348	0	1.3000000
4.3812175	3	2.2367839	1.8488151	- 1	8.5740647	0	1.3011564
4.4000000	3	2.2415938	1.8448480	- 1	8.6108221	0	1.3039069
4.5794792	3	2.2870550	1.8081768	- 1	8.9620637	0	1.3298879

V	V*	H _p	λ	p*	E*	W*	β
4.5988640	3	2.2919120	1.8043449	1.3446561	9.0000000	1.0090000	1.3326621
4.6000000	3	2.2921963	1.8041211	1.3448229	9.0022231	1.0090022	1.3328245
4.6209932	3	2.2974443	1.8000000	1.3479019	9.0433068	1.0090433	1.3358216
4.6312334	3	2.3000000	1.7979999	1.3494013	9.0633470	1.0090633	1.3372810
4.7776646	3	2.3362446	1.77701057	1.3706658	9.3499136	1.0093499	1.3579689
4.8000000	3	2.3417246	1.7659634	1.3738809	9.3936241	1.0093936	1.3610953
4.8543565	3	2.3550088	1.7560019	1.3816747	9.5000000	1.0095000	1.3686723
4.9757740	3	2.3844196	1.7343423	1.3989300	9.7376146	1.0097376	1.3854391
4.9833520	3	2.3862435	1.7330167	1.4000000	9.7524449	1.0097524	1.3864784
5.0000000	3	2.3902454	1.7301152	1.4023479	9.7855051	1.0097850	1.3887589
5.0460936	3	2.4000000	1.7230833	1.4080709	9.8646626	1.0098647	1.3943164
5.0824878	3	2.4099781	1.7159491	1.4139250	9.9464541	1.0099465	1.4000000
5.1098489	3	2.4164886	1.7113260	1.4177447	1.0000000	1.0100000	1.4037076
5.1778206	3	2.4325881	1.7000000	1.4271902	1.0133021	1.0101330	1.4128736
5.4672319	3	2.5000000	1.6541599	1.4667405	1.0699400	1.0106994	1.4512134
5.4707147	3	2.5008004	1.6536305	1.4672101	1.0706216	1.0107062	1.4516682
5.5000000	3	2.5075207	1.6491987	1.4711529	1.0763528	1.0107635	1.4554867
5.6208338	3	2.5350650	1.6312796	1.4873130	1.1000000	1.0110000	1.4711306
5.7166031	3	2.5566894	1.6174823	1.5000000	1.1187421	1.0111874	1.4834045
5.8414996	3	2.5846249	1.6000000	1.5163896	1.1431844	1.0114318	1.4992504
5.8474429	3	2.5859469	1.5991821	1.5171652	1.1443475	1.0114435	1.5000000
5.9108061	3	2.6000000	1.5905384	1.5254101	1.1567477	1.0115675	1.5079668
5.9651816	3	2.6120008	1.5832207	1.5324510	1.1673890	1.0116739	1.5147678
6.0000000	3	2.6196572	1.5786035	1.5369429	1.1742030	1.0117420	1.5191055
6.1318187	3	2.6484473	1.5614431	1.55338340	1.2000000	1.0120000	1.5354091
6.3713725	3	2.7000000	1.5316296	1.5840798	1.2468808	1.0124688	1.5645714
6.4591760	3	2.7186567	1.5211188	1.5950256	1.2640640	1.0126406	1.5751151
6.4992742	3	2.7271354	1.5163896	1.6000000	1.2719112	1.0127191	1.5799050
6.5000000	3	2.7272886	1.5163044	1.6008999	1.2720533	1.0127205	1.5799916
6.6411614	3	2.7569332	1.5000000	1.6174823	1.2996786	1.0129968	1.5967299
6.6428036	3	2.7572763	1.4998134	1.6176835	1.3000000	1.0130000	1.5969235
6.6689269	3	2.7627276	1.4968540	1.6208818	1.3051123	1.0130511	1.6000000
6.8488856	3	2.8000000	1.4769285	1.6427494	1.3403303	1.0134033	1.6210223
6.95226991	3	2.8212833	1.4657868	1.6552362	1.3606467	1.0136065	1.6330167
7.0000000	3	2.8309291	1.4607925	1.6608954	1.3699035	1.0136990	1.6384502
7.1537885	3	2.8620714	1.4448975	1.6791665	1.4000000	1.0140000	1.6559827
7.3311415	3	2.8975814	1.4271902	1.7000000	1.4347081	1.0143471	1.6759549
7.3432986	3	2.9000000	1.4259999	1.7014190	1.4370872	1.0143709	1.6773145
7.4457526	3	2.9203057	1.4160846	1.7133323	1.4571375	1.0145714	1.6887252
7.5000000	3	2.9310018	1.4109168	1.7196077	1.4677538	1.0146775	1.6947332

V	V*	H ρ	λ	p*	E*	W*	β
7.5477290	3	2.9403815	1.4064161	1.7251107	1.4770944	1.0147709	1.7000000
7.6165597	3	2.9538570	1.4000000	1.7330167	1.4905646	1.0149056	1.7075644
7.6647734	3	2.9632608	1.3955572	1.7385339	1.5000000	1.0150000	1.7128412
7.8545632	3	3.0000000	1.3784666	1.7600886	1.5371420	1.0153714	1.7334431
7.9383375	3	3.0160788	1.3711180	1.7695220	1.5535366	1.0155354	1.7424523
8.0000000	3	3.0278607	1.3657827	1.7764344	1.5656000	1.0156560	1.7490512
8.1757583	3	3.0612019	1.3509072	1.7959955	1.6000000	1.0160000	1.7677122
8.2119686	3	3.0680273	1.3479019	1.8000000	1.6070864	1.0160709	1.7715300
8.4304553	3	3.1089028	1.3301798	1.8239815	1.6498443	1.0164984	1.7943771
8.4846993	3	3.1189707	1.3258861	1.8298883	1.6604599	1.0166046	1.8000000
8.5000000	3	3.1218049	1.3246824	1.8315511	1.6634543	1.0166345	1.8015826
8.6867432	3	3.1561972	1.3102476	1.8517289	1.7000000	1.0170000	1.8207757
8.8230673	3	3.1810768	1.3000000	1.8663257	1.7266787	1.0172668	1.8346472
8.9221073	3	3.1990346	1.2927024	1.8768615	1.7466069	1.0174606	1.8446527
8.9274468	3	3.2000000	1.2923124	1.8774279	1.7471058	1.0174711	1.8451904
9.0000000	3	3.2130899	1.2870476	1.8851077	1.7613045	1.0176130	1.8524799
9.1415067	3	3.2384733	1.2769597	1.9000000	1.7899974	1.0178900	1.8666065
9.1977281	3	3.2485051	1.2730163	1.9058856	1.8000000	1.0180000	1.8721863
9.4132948	3	3.2866956	1.2582242	1.9282919	1.8421865	1.0184219	1.8934117
9.4807552	3	3.2985595	1.2536987	1.9325254	1.8553885	1.0185539	1.9000000
9.5000000	3	3.3019365	1.2524165	1.9372336	1.8591548	1.0185915	1.9018748
9.7087130	3	3.3383485	1.2387562	1.9585964	1.9000000	1.0190000	1.9220770
9.9040190	3	3.3720786	1.2263652	1.9783857	1.9382215	1.0193822	1.9407693
1.0000000	4	3.3885363	1.2204089	1.9880414	1.9570050	1.0195701	1.9498821
1.0067121	4	3.4000000	1.2162941	1.9947671	1.9701406	1.0197014	1.9562267
1.0119495	4	3.4089192	1.2131117	2.0000000	1.9803903	1.0198039	1.9611614
1.0219698	4	3.4259214	1.2070913	2.0099751	2.0000000	1.0200000	1.9705638
1.0339638	4	3.4461665	1.2000000	2.0218528	2.0234722	1.0202347	1.9817526
1.0536879	4	3.4792135	1.1886019	2.0412414	2.0620725	1.0206207	2.0000000
1.0730683	4	3.5113937	1.1777090	2.0601214	2.1000000	1.0210000	2.0177486
1.0884083	4	3.5366658	1.1692933	2.0749484	2.1300206	1.0213002	2.0316734
1.1000000	4	3.5556484	1.1630508	2.0860854	2.1527055	1.0215271	2.0421245
1.1145662	4	3.5793652	1.1553445	2.1000000	2.1812116	1.0218121	2.0551723
1.1241668	4	3.5949151	1.1503470	2.1091230	2.2000000	1.0220000	2.0637212
1.1273149	4	3.6000000	1.1487222	2.1121064	2.2061609	1.0220616	2.0665157
1.1654125	4	3.6610003	1.1295819	2.1478950	2.2807181	1.0228072	2.1000000
1.1752653	4	3.6766186	1.1247835	2.1570582	2.3000000	1.0230000	2.1085613
1.1862311	4	3.6939270	1.1195131	2.1672130	2.3214601	1.0232146	2.1180434
1.2000000	4	3.7155508	1.1129978	2.1798996	2.3484060	1.0234841	2.1298813
1.2219723	4	3.7498112	1.1028288	2.2000000	2.3914059	1.0239141	2.1486178

V	V*	H _p	λ	p*	E*	W*	β
1.2263637	4	3.7566228	1.1008291	- 9	2.2039964	- 1	2.1523402
1.2281915	4	3.7594544	1.1000000	- 9	2.2056576	- 1	2.1538873
1.2545072	4	3.8000000	1.0882631	- 9	2.2294456	- 1	2.1760226
1.2774622	4	3.8350342	1.0783215	- 9	2.2500000	- 1	2.1951220
1.2833620	4	3.8439893	1.0758094	- 9	2.2552539	- 1	2.2000000
1.2838711	4	3.8447611	1.0755934	- 9	2.2557068	- 1	2.2004203
1.3000000	4	3.8691375	1.0688170	- 9	2.2700083	- 1	2.2136897
1.3285607	4	3.9119484	1.0571203	- 9	2.2951253	- 1	2.2369642
1.3341384	4	3.9202571	1.0548797	- 9	2.3000000	- 1	2.2414769
1.3796592	4	3.9874521	1.0371033	- 9	2.3394230	- 1	2.2779192
1.3813295	4	3.9898972	1.0364678	- 9	2.3408575	- 1	2.2792435
1.3882410	4	4.0000000	1.0338500	- 9	2.3467848	- 1	2.2847139
1.4000000	4	4.0171331	1.0294406	- 9	2.3568368	- 1	2.2939860
1.4076567	4	4.0282519	1.0265991	- 9	2.3633601	- 1	2.3000000
1.4307577	4	4.0616239	1.0181641	- 9	2.3829394	- 1	2.3180344
1.4510341	4	4.0907031	1.0109264	- 9	2.4000000	- 1	2.337295
1.4786072	4	4.1299359	1.0013230	- 9	2.4230178	- 1	2.3548761
1.4818562	4	4.1345356	1.0002090	- 9	2.4257164	- 1	2.3573531
1.4824670	4	4.1353998	1.0000000	- 9	2.4262234	- 1	2.3578185
1.5000000	4	4.1601342	9.9405444	-10	2.4407349	- 1	2.3711302
1.5284666	4	4.2000000	9.8461901	-10	2.4641241	- 1	2.3925575
1.5329547	4	4.2062527	9.8315534	-10	2.4677925	- 1	2.3959151
1.5384250	4	4.2138620	9.8137996	-10	2.4722569	- 1	2.4000000
1.5726279	4	4.2611491	9.7048936	-10	2.5000000	- 1	2.4253562
1.5757053	4	4.2653795	9.6952682	-10	2.5024820	- 1	2.4276223
1.6000000	4	4.2986393	9.6202532	-10	2.52119954	- 1	2.4454241
1.6351517	4	4.3463386	9.5146747	-10	2.5499804	- 1	2.4709112
1.6401286	4	4.3530524	9.5000000	-10	2.5539194	- 1	2.4744945
1.6726247	4	4.3966525	9.4057918	-10	2.5794994	- 1	2.4977400
1.6751322	4	4.4000000	9.3986360	-10	2.5814633	- 1	2.4995229
1.6758035	4	4.4008958	9.3967230	-10	2.5819889	- 1	2.5000000
1.6988872	4	4.4315950	9.3316285	-10	2.6000000	- 1	2.5163385
1.7000000	4	4.4330699	9.3282339	-10	2.6008653	- 1	2.5171229
1.7373486	4	4.4823075	9.2260511	-10	2.6297528	- 1	2.5432813
1.7693664	4	4.5241181	9.1407865	-10	2.6542830	- 1	2.5654502
1.8000000	4	4.5637860	9.0613360	-10	2.6775559	- 1	2.5864456
1.8199378	4	4.5894319	9.0107010	-10	2.6926023	- 1	2.6000000
1.8241936	4	4.5948887	9.0000000	-10	2.6958038	- 1	2.6028820
1.8281842	4	4.6000000	8.9899996	-10	2.6988026	- 1	2.6055810
1.8297788	4	4.6020410	8.9860126	-10	2.7000000	- 1	2.6066585
1.0240000	0	2.4000000	2.4000000	- 2	2.4000000	- 2	1.0240000
1.0240358	0	2.4035769	2.4035769	- 2	2.4035769	- 2	1.0240358
1.0245508	0	2.4550768	2.4550768	- 2	2.4550768	- 2	1.0245508
1.0250000	0	2.5000000	2.5000000	- 2	2.5000000	- 2	1.0250000
1.0251155	0	2.5115459	2.5115459	- 2	2.5115459	- 2	1.0251155
1.0251254	0	2.5125422	2.5125422	- 2	2.5125422	- 2	1.0251254
1.0254411	0	2.5441065	2.5441065	- 2	2.5441065	- 2	1.0254411
1.0260000	0	2.6000000	2.6000000	- 2	2.6000000	- 2	1.0260000
1.0261092	0	2.6109156	2.6109156	- 2	2.6109156	- 2	1.0261092
1.0270000	0	2.7000000	2.7000000	- 2	2.7000000	- 2	1.0270000
1.0270327	0	2.7032687	2.7032687	- 2	2.7032687	- 2	1.0270327
1.0271679	0	2.7167947	2.7167947	- 2	2.7167947	- 2	1.0271679
1.0273981	0	2.7398070	2.7398070	- 2	2.7398070	- 2	1.0273981
1.0275479	0	2.7547912	2.7547912	- 2	2.7547912	- 2	1.0275479
1.0280000	0	2.8000000	2.8000000	- 2	2.8000000	- 2	1.0280000
1.0283968	0	2.8396811	2.8396811	- 2	2.8396811	- 2	1.0283968
1.0289364	0	2.8936417	2.8936417	- 2	2.8936417	- 2	1.0289364
1.0290000	0	2.9000000	2.9000000	- 2	2.9000000	- 2	1.0290000
1.0290120	0	2.9011953	2.9011953	- 2	2.9011953	- 2	1.0290120
1.0293551	0	2.9355075	2.9355075	- 2	2.9355075	- 2	1.0293551
1.0299122	0	2.9912168	2.9912168	- 2	2.9912168	- 2	1.0299122
1.0300000	0	3.0000000	3.0000000	- 2	3.0000000	- 2	1.0300000
1.0301071	0	3.0107054	3.0107054	- 2	3.0107054	- 2	1.0301071
1.0307764	0	3.0776406	3.0776406	- 2	3.0776406	- 2	1.0307764
1.0308366	0	3.0836631	3.0836631	- 2	3.0836631	- 2	1.0308366
1.0313121	0	3.1312080	3.1312080	- 2	3.1312080	- 2	1.0313121
1.0320000	0	3.2000000	3.2000000	- 2	3.2000000	- 2	1.0320000
1.0320974	0	3.2097399	3.2097399	- 2	3.2097399	- 2	1.0320974
1.0323333	0	3.2333333	3.2333333	- 2	3.2333333	- 2	1.0323333
1.0327824	0	3.2782421	3.2782421	- 2	3.2782421	- 2	1.0327824
1.0327956	0	3.2795557	3.2795557	- 2	3.2795557	- 2	1.0327956
1.0332473	0	3.3247308	3.3247308	- 2	3.3247308	- 2	1.0332473
1.0332691	0	3.3269085	3.3269085	- 2	3.3269085	- 2	1.0332691
1.0340000	0	3.4000000	3.4000000	- 2	3.4000000	- 2	1.0340000
1.0346266	0	3.4626590	3.4626590	- 2	3.4626590	- 2	1.0346266
1.0352261	0	3.5226090	3.5226090	- 2	3.5226090	- 2	1.0352261
1.03556163	0	3.55616276	3.55616276	- 2	3.55616276	- 2	1.03556163
1.0356996	0	3.5699561	3.5699561	- 2	3.5699561	- 2	1.0356996
1.0357777	0	3.5777656	3.5777656	- 2	3.5777656	- 2	1.0357777
1.0358089	0	3.5808863	3.5808863	- 2	3.5808863	- 2	1.0358089

V	V^*	$H\rho$	λ	P^*	E^*	W^*	β
1.8959456	4	4.6145234	8.9617051	-10	2.7073234	-1	2.6132465
1.8659315	4	4.6480895	8.8969883	-10	2.7270165	-1	2.6309440
1.9000000	4	4.6910981	8.8154195	-10	2.7522495	-1	2.6535811
1.9417426	4	4.7433001	8.7184022	-10	2.7828762	-1	2.6809983
1.9623208	4	4.7688392	8.6717115	-10	2.7978599	-1	2.6943881
1.9626833	4	4.7724869	8.6650836	-10	2.8000000	-1	2.6962993
1.9709831	4	4.7795520	8.6522750	-10	2.8041450	-1	2.7000000
1.9875674	4	4.8000000	8.6154163	-10	2.8161418	-1	2.7107041
2.0000000	4	4.8152764	8.5880841	-10	2.8251044	-1	2.7186944
2.0408657	4	4.8651763	8.5000000	-10	2.8543805	-1	2.7447554
2.0439396	4	4.8689106	8.4934808	-10	2.8565714	-1	2.7467032
2.0585353	4	4.8866061	8.4627239	-10	2.8669533	-1	2.7559289
2.1000000	4	4.9365571	8.3770930	-10	2.8962594	-1	2.7819301
2.1053206	4	4.9429329	8.3662876	-10	2.9000000	-1	2.7852445
2.1291037	4	4.9713405	8.3184803	-10	2.9166666	-1	2.8000000
2.1461366	4	4.9915937	8.2847284	-10	2.9285491	-1	2.8105078
2.1532249	4	5.0000000	8.2707997	-10	2.9334810	-1	2.8148662
2.1545760	4	5.0016008	8.2681525	-10	2.9344202	-1	2.8156960
2.2000000	4	5.0551490	8.1805696	-10	2.9658368	-1	2.8434160
2.2483335	4	5.1115605	8.0902884	-10	2.9989331	-1	2.8725413
2.2498997	4	5.1133789	8.0874113	-10	3.0000000	-1	2.8734789
2.2504438	4	5.1140104	8.0864127	-10	3.0003705	-1	2.8738044
2.2944747	4	5.1648853	8.0057603	-10	3.0302186	-1	2.9000000
2.2982707	4	5.1692498	8.0000000	-10	3.0327793	-1	2.9022442
2.3000000	4	5.1712370	7.9969257	-10	3.0339451	-1	2.9032659
2.3461396	4	5.2240017	7.9161534	-10	3.0649020	-1	2.9303573
2.3505305	4	5.2289977	7.9085899	-10	3.0678331	-1	2.9329188
2.4000000	4	5.2849861	7.8248074	-10	3.1006813	-1	2.9615814
2.4416644	4	5.3317244	7.7562146	-10	3.1281025	-1	2.9854474
2.4527275	4	5.3440721	7.7382934	-10	3.1353469	-1	2.9917432
2.4672821	4	5.3602775	7.7148886	-10	3.1448545	-1	3.0000000
2.5000000	4	5.3965442	7.6630519	-10	3.1661320	-1	3.0184538
2.5370190	4	5.4373133	7.6055941	-10	3.1900511	-1	3.0391582
2.5224912	4	5.4542708	7.5819481	-10	3.2000000	-1	3.0477573
2.5549245	4	5.4569334	7.5782487	-10	3.2015621	-1	3.0491068
2.5944325	4	5.5000000	7.5189088	-10	3.2268291	-1	3.0709093
2.6000000	4	5.5060444	7.5106547	-10	3.2303754	-1	3.0739655
2.6072130	4	5.5138664	7.5000000	-10	3.2349645	-1	3.0779190
2.6322045	4	5.5408905	7.4634210	-10	3.2508194	-1	3.0915656
2.7000000	4	5.6136073	7.3667423	-10	3.2934821	-1	3.1281912
1.0360000	0	1.0360000	3.6000000	-2	3.6000000	-2	1.0360000
1.0365164	0	1.0365164	3.6516372	-2	3.6516372	-2	1.0365164
1.0371831	0	1.0371831	3.7183095	-2	3.7183095	-2	1.0371831
1.0380000	0	1.0380000	3.8000000	-2	3.8000000	-2	1.0380000
1.0384027	0	1.0384027	3.8402716	-2	3.8402716	-2	1.0384027
1.0384604	0	1.0384604	3.8460400	-2	3.8460400	-2	1.0384604
1.0385722	0	1.0385722	3.8572238	-2	3.8572238	-2	1.0385722
1.0388968	0	1.0388968	3.8896793	-2	3.8896793	-2	1.0388968
1.0391401	0	1.0391401	3.9140100	-2	3.9140100	-2	1.0391401
1.0399398	0	1.0399398	3.9939844	-2	3.9939844	-2	1.0399398
1.0400000	0	1.0400000	4.0000000	-2	4.0000000	-2	1.0400000
1.0402856	0	1.0402856	4.0285639	-2	4.0285639	-2	1.0402856
1.0410971	0	1.0410971	4.1097105	-2	4.1097105	-2	1.0410971
1.0412012	0	1.0412012	4.1201229	-2	4.1201229	-2	1.0412012
1.0416667	0	1.0416667	4.1666666	-2	4.1666666	-2	1.0416667
1.0420000	0	1.0420000	4.2000000	-2	4.2000000	-2	1.0420000
1.0421387	0	1.0421387	4.2138719	-2	4.2138719	-2	1.0421387
1.0421652	0	1.0421652	4.2165160	-2	4.2165160	-2	1.0421652
1.0430541	0	1.0430541	4.3054110	-2	4.3054110	-2	1.0430541
1.0440000	0	1.0440000	4.4000000	-2	4.4000000	-2	1.0440000
1.0440307	0	1.0440307	4.4030651	-2	4.4030651	-2	1.0440307
1.0440413	0	1.0440413	4.4041297	-2	4.4041297	-2	1.0440413
1.0449030	0	1.0449030	4.4902985	-2	4.4902985	-2	1.0449030
1.0449773	0	1.0449773	4.4977272	-2	4.4977272	-2	1.0449773
1.0450111	0	1.0450111	4.5011115	-2	4.5011115	-2	1.0450111
1.0459141	0	1.0459141	4.5914069	-2	4.5914069	-2	1.0459141
1.0460000	0	1.0460000	4.6000000	-2	4.6000000	-2	1.0460000
1.0469681	0	1.0469681	4.6968120	-2	4.6968120	-2	1.0469681
1.0477835	0	1.0477835	4.7783494	-2	4.7783494	-2	1.0477835
1.0480000	0	1.0480000	4.8000000	-2	4.8000000	-2	1.0480000
1.0482848	0	1.0482848	4.8284835	-2	4.8284835	-2	1.0482848
1.0489251	0	1.0489251	4.8925125	-2	4.8925125	-2	1.0489251
1.0496496	0	1.0496496	4.9649589	-2	4.9649589	-2	1.0496496
1.0499524	0	1.0499524	4.9952380	-2	4.9952380	-2	1.0499524
1.0500000	0	1.0500000	5.0000000	-2	5.0000000	-2	1.0500000
1.0507732	0	1.0507732	5.0773174	-2	5.0773174	-2	1.0507732
1.0508821	0	1.0508821	5.0882130	-2	5.0882130	-2	1.0508821
1.0510233	0	1.0510233	5.1023290	-2	5.1023290	-2	1.0510233
1.0512512	0	1.0512512	5.1512373	-2	5.1512373	-2	1.0512512
1.0528391	0	1.0528391	5.2839135	-2	5.2839135	-2	1.0528391

V	V^*	$H\beta$	λ	p^*	E^*	W^*	β
2.7272216	4	5.6425667	7.3289339	3.3104725	5.3371863	1.0533719	3.1427387
2.8000000	4	5.7193421	7.2305516	3.3555163	5.4796140	1.0547961	3.1811989
2.8204169	4	5.7302554	7.2167811	3.3619191	5.5000000	1.0550000	3.1866532
2.8220712	4	5.7424429	7.2014645	3.3690695	5.5228075	1.0552281	3.1927406
2.8360084	4	5.7569873	7.1832707	3.3776026	5.5500827	1.0555008	3.2000000
2.8727404	4	5.7951627	7.1359512	3.4000000	5.6219674	1.0562197	3.2190273
2.9000000	4	5.8233484	7.1014124	3.4165364	5.6753145	1.0567531	3.2330506
2.9167543	4	5.8406114	7.0804228	3.4266646	5.7081029	1.0570810	3.2416291
2.9823007	4	5.9077140	7.0000000	3.4660334	5.8363774	1.0583638	3.2748979
3.0000000	4	5.9257171	6.9787331	3.4765958	5.8710150	1.0587102	3.2838032
3.0659094	4	5.9923332	6.9011513	3.5156792	6.0000000	1.0600000	3.3166785
3.0735369	4	3.1659724	6.8923330	3.5201773	6.0149272	1.0601493	3.3204543
3.1056244	4	6.0321575	6.8555899	3.5390440	6.0777225	1.0607772	3.3362744
3.2000000	4	6.1258693	6.7507151	3.5940243	6.2624160	1.0626242	3.3822159
3.2103352	4	6.1360546	6.7395094	3.6000000	6.2826420	1.0628264	3.3871947
3.2370139	4	6.1622777	6.7108300	3.6153850	6.3348525	1.0633485	3.4000000
3.2938386	4	6.2178057	6.6508991	3.6479630	6.4460587	1.0644606	3.4270531
3.3214018	4	6.2445827	6.6223797	3.6636730	6.5000000	1.0650000	3.4400686
3.4000000	4	6.3203898	6.5429506	3.7081487	6.6538171	1.0665382	3.4768083
3.4436577	4	6.3621536	6.5000000	3.7326514	6.7392554	1.0673926	3.4969809
3.4814038	4	6.3980692	6.4635122	3.7537230	6.8131247	1.0681312	3.5142900
3.5649541	4	6.4769466	6.3847984	3.8000000	6.9766330	1.0697663	3.5521776
3.5768943	4	6.4881504	6.3737730	3.8065733	7.0000000	1.0700000	3.5575451
3.5895422	4	6.5000000	6.3621536	3.8135254	7.0247521	1.0702475	3.5632181
3.6000000	4	6.5097834	6.3525920	3.8192653	7.0452181	1.0704522	3.5678990
3.6683266	4	6.5733913	6.2911208	3.8565837	7.1789336	1.0717893	3.5982666
3.6722521	4	6.5770293	6.2876409	3.8587182	7.1866157	1.0718662	3.6000000
3.8000000	4	6.6944854	6.1773230	3.9276292	7.4366191	1.0743661	3.6557640
3.8223867	4	6.7239798	6.1502264	3.9449335	7.5000000	1.0750000	3.6697055
3.85446136	4	6.7441571	6.1318260	3.9567714	7.5434982	1.0754350	3.6792289
3.9362680	4	6.8178385	6.0655585	4.0000000	7.7032961	1.0770330	3.7139068
4.0000000	4	6.8748738	6.0152374	4.0334624	7.8280201	1.0782802	3.7406441
4.0196000	4	6.8923330	6.0000000	4.0437057	7.8663782	1.0786638	3.7488101
4.0402713	4	6.9107046	5.9840495	4.0544842	7.9068312	1.0790683	3.7573934
4.0878791	4	6.9528583	5.9477695	4.0792156	8.0000000	1.0800000	3.7770515
4.1414143	4	7.0000000	5.9077140	4.1068735	8.1047685	1.0810477	3.7989753
4.1439278	4	7.0022067	5.9058523	4.1081681	8.1096875	1.0810969	3.8000000
4.2000000	4	7.0512298	5.8647507	4.1369591	8.2194211	1.0821942	3.8237511
4.2253059	4	7.0733317	5.8464667	4.1498969	8.2689448	1.0826894	3.8329522
4.3239413	4	7.1587304	5.7767224	4.2000000	8.4619749	1.0846197	3.8723248

V	V^*	$H\rho$	λ	p^*	E^*	W^*	β						
4.3433716	4	7.1754511	2	5.7632611	-10	4.2098100	-1	1.0850000	0	8.5000000	-2	3.8800092	-1
4.4000000	4	7.2239951	2	5.7245330	-10	4.2382905	-1	1.0861082	0	8.6108221	-2	3.9022728	-1
4.4097237	4	7.2323028	2	5.7179573	-10	4.2431646	-1	1.0862985	0	8.6298514	-2	3.9060761	-1
4.5935308	4	7.3878540	2	5.5975657	-10	4.3344259	-1	1.0898956	0	8.9895629	-2	3.9769184	-1
4.5988640	4	7.3923261	2	5.5941794	-10	4.3370497	-1	1.0900000	0	9.0000000	-2	3.9789447	-1
4.6000000	4	7.3932783	2	5.5934589	-10	4.3376084	-1	1.0900222	0	9.0022231	-2	3.9793761	-1
4.6545334	4	7.4388717	2	5.5591762	-10	4.3643578	-1	1.0910895	0	9.1089451	-2	4.0000000	-1
4.7276334	4	7.4996223	2	5.5141441	-10	4.4000000	-1	1.0925200	0	9.2520023	-2	4.0273861	-1
4.7280894	4	7.5000000	2	5.5138664	-10	4.4002216	-1	1.0925289	0	9.2528946	-2	4.0275560	-1
4.7509446	4	7.5189088	2	5.5000000	-10	4.4113153	-1	1.0929762	0	9.2976223	-2	4.0360579	-1
4.7767333	4	7.5401969	2	5.4844719	-10	4.4238049	-1	1.0934809	0	9.3480911	-2	4.0456170	-1
4.8000000	4	7.5593601	2	5.4705687	-10	4.4350479	-1	1.0939362	0	9.3936241	-2	4.0542106	-1
4.8543565	4	7.6039724	2	5.4384729	-10	4.4612218	-1	1.0950000	0	9.5000000	-2	4.0741752	-1
5.0000000	4	7.7224469	2	5.3550382	-10	4.5307303	-1	1.0978503	0	9.7850251	-2	4.1269110	-1
5.1098489	4	7.8108152	2	5.2944535	-10	4.5825757	-1	1.0000000	-1	1.0000000	-1	4.1659779	-1
5.1469992	4	7.8405143	2	5.2743987	-10	4.6000000	-1	1.0072703	-1	1.0072703	-1	4.1790561	-1
5.2068904	4	7.8881987	2	5.2425148	-10	4.6279762	-1	1.0189911	-1	1.0189911	-1	4.2000000	-1
5.2321328	4	7.9082252	2	5.2292388	-10	4.6397258	-1	1.0239310	-1	1.0239310	-1	4.2087761	-1
5.3484824	4	8.0000000	2	5.1692498	-10	4.6935697	-1	1.0467007	-1	1.0467007	-1	4.2488430	-1
5.5000000	4	8.1182377	2	5.0939625	-10	4.7629393	-1	1.0763528	-1	1.0763528	-1	4.3000971	-1
5.5816909	4	8.1814062	2	5.0546321	-10	4.8000000	-1	1.0923397	-1	1.0923397	-1	4.3273107	-1
5.6208338	4	8.2115339	2	5.0360869	-10	4.8176758	-1	1.1000000	-1	1.1000000	-1	4.3402485	-1
5.6838801	4	8.2598719	2	5.0066150	-10	4.8460355	-1	1.1123382	-1	1.1123382	-1	4.3609505	-1
5.6981746	4	8.2707997	2	5.0000000	-10	4.8524468	-1	1.1151356	-1	1.1151356	-1	4.3656209	-1
5.8042012	4	8.3514933	2	4.9516891	-10	4.8997894	-1	1.1358851	-1	1.1358851	-1	4.4000000	-1
6.0000000	4	8.4988830	2	4.8658157	-10	4.9862624	-1	1.1742030	-1	1.1742030	-1	4.4622980	-1
6.0014944	4	8.5000000	2	4.8651763	-10	4.9869178	-1	1.1744955	-1	1.1744955	-1	4.4627677	-1
6.0313585	4	8.5222981	2	4.8524468	-10	5.0000000	-1	1.1803399	-1	1.1803399	-1	4.4721360	-1
6.1318187	4	8.5969672	2	4.8103008	-10	5.0438081	-1	1.2000000	-1	1.2000000	-1	4.5034001	-1
6.1320617	4	8.5971472	2	4.8102001	-10	5.0439137	-1	1.2000048	-1	1.2000048	-1	4.5034752	-1
6.1567479	4	8.6154163	2	4.8000000	-10	5.0546321	-1	1.2048787	-1	1.2048787	-1	4.5110994	-1
6.4501094	4	8.8302143	2	4.6832384	-10	5.1806532	-1	1.2622053	-1	1.2622053	-1	4.6000000	-1
6.5000000	4	8.8663337	2	4.6641599	-10	5.2018444	-1	1.2720933	-1	1.2720933	-1	4.6148153	-1
6.5767607	4	8.9216813	2	4.6352248	-10	5.2343166	-1	1.2870754	-1	1.2870754	-1	4.6374428	-1
6.6428036	4	8.9690862	2	4.6107259	-10	5.2621288	-1	1.3000000	-1	1.3000000	-1	4.6567512	-1
6.6720267	4	8.9899996	2	4.6000000	-10	5.2743987	-1	1.3057190	-1	1.3057190	-1	4.6652484	-1
6.6860194	4	9.0000000	2	4.5948887	-10	5.2802659	-1	1.3084574	-1	1.3084574	-1	4.6693070	-1
7.0000000	4	9.2221671	2	4.4841953	-10	5.4106105	-1	1.3699035	-1	1.3699035	-1	4.7587128	-1
7.0180569	4	9.2348175	2	4.4780526	-10	5.4180324	-1	1.3734373	-1	1.3734373	-1	4.7637599	-1
7.1487748	4	9.3260003	2	4.4342694	-10	5.4715290	-1	1.3990188	-1	1.3990188	-1	4.8000000	-1

V	V^*	$H\rho$	λ	p^*	E^*	W^*	β
7.1537885	4	9.3294840	4.4326137	-10	1.4000000	1.1400000	4.8013797
7.2187460	4	9.3745279	4.4113153	-10	1.4127122	1.1412712	4.8191875
7.2536106	4	9.3986360	4.4000000	-10	1.4195352	1.1419535	4.8286940
7.4009513	4	9.5000000	4.4353052	-10	1.4483699	1.1448370	4.8684783
7.4560275	4	9.5376785	4.4358558	-10	1.4591483	1.1459148	4.8831900
7.5000000	4	9.5676796	4.4222600	-10	1.4677538	1.1467754	4.8948743
7.6647734	4	9.6794700	4.2723412	-10	1.5000000	1.1500000	4.9381812
7.8907464	4	9.8312140	4.2063980	-10	1.5442230	1.1544223	4.9963830
7.9049638	4	9.8407022	4.2023422	-10	1.5470054	1.1547005	5.0000000
7.9131916	4	9.8461901	4.2000000	-10	1.5486156	1.1548616	5.0020908
8.0000000	4	9.9039513	4.1755050	-10	1.5656040	1.1565604	5.0240443
8.1451892	4	8.7943679	4.1353998	-10	1.5940176	1.1594018	5.0603357
8.1757583	4	8.8298190	4.1270898	-10	1.6000000	1.1600000	5.0679099
8.3222850	4	9.0000000	4.0788840	-10	1.6286753	1.1628675	5.1038979
8.4920773	4	9.11977281	4.0437057	-10	1.6619038	1.1661904	5.1449576
8.5000000	4	9.2069681	4.0416761	-10	1.6634543	1.1663454	5.1468569
8.6651207	4	9.3998226	4.0000000	-10	1.6957685	1.1695768	5.1861137
8.6867432	4	9.4251164	3.9946291	-10	1.7000000	1.1700000	5.1912084
8.7507121	4	9.5000000	3.9788541	-10	1.7125187	1.1712519	5.2062195
9.0000000	4	9.79225870	3.9189624	-10	1.7613045	1.1761305	5.2638583
9.1760940	4	1.0000000	3.8781073	-10	1.7957662	1.1795766	5.3037716
9.1977281	4	1.0231893	3.8731676	-10	1.8000000	1.1800000	5.3086304
9.5000000	4	1.0338500	3.8058909	-10	1.8591548	1.1859155	5.3755229
9.5271606	4	1.0352400	3.8058909	-10	1.8591548	1.1859155	5.3755229
9.7087130	4	1.0393444	3.8000000	-10	1.8644701	1.1864470	5.3814442
9.7172371	4	1.0522282	3.7612477	-10	1.9000000	1.1900000	5.4206566
9.8459658	4	1.0663449	3.7594544	-10	1.9016682	1.1901668	5.4224821
1.0017976	5	1.0677049	3.7326514	-10	1.9268604	1.1926860	5.4498835
1.0085241	5	1.0865787	3.7012487	-10	1.9570050	1.1957005	5.4822661
1.0219698	5	1.0882631	3.6976302	-10	1.9605230	1.1960523	5.4860169
1.0521498	5	1.0994755	3.6841746	-10	1.9736868	1.1973687	5.5000000
1.0730683	5	1.1000000	3.6576694	-10	2.0000000	1.2000000	5.5277080
1.0848418	5	1.1080497	3.6000000	-10	2.0590625	1.2059062	5.5887508
1.1000000	5	1.1224766	3.5614348	-10	2.1000000	1.2100000	5.6301558
1.1241668	5	1.1306106	3.5402114	-10	2.1230409	1.2123041	5.6551436
1.1275166	5	1.1487222	3.5133379	-10	2.1527055	1.2152706	5.6824121
1.1393645	5	1.1611612	3.4717062	-10	2.2000000	1.2200000	5.7283296
1.1667874	5	1.1681223	3.4660334	-10	2.2065556	1.2206556	5.7346234
1.1676124	5	1.1770432	3.4461665	-10	2.2297421	1.2229742	5.7567481
			3.4013251	-10	2.2834087	1.2283409	5.8071593
			3.4000000	-10	2.2850234	1.2285023	5.8086590

V	V*	H ρ	λ	P*	E*	W*	β
1.1752653	5	1.2206835	3.3877741	-10	7.1617037	2.3000000	5.8225233
1.2000000	5	1.2347999	3.3490445	-10	7.2445242	1.2348406	5.8667687
1.2263637	5	1.2497304	3.3090334	-10	7.3321211	1.2400000	5.9130009
1.2476768	5	1.2617163	3.2775989	-10	7.4024415	1.2441710	5.9496980
1.2774622	5	1.2783447	3.2349645	-10	7.5000000	1.2500000	6.0000000
1.3000000	5	1.2908354	3.2036615	-10	7.5732825	1.2544107	6.0373232
1.3206743	5	1.4687223	3.2000000	-10	7.5819481	1.2549340	6.0417106
1.3166247	5	1.4862482	3.1810768	-10	7.6270507	1.2576641	6.0644576
1.3275498	5	1.3060004	3.1664613	-10	7.6622549	1.2598022	6.0821096
1.3285607	5	1.3065547	3.1651179	-10	7.6655072	1.2600000	6.0837358
1.3796592	5	1.5659132	3.0991028	-10	7.8287930	1.2700000	6.1644039
1.4000000	5	1.5917865	3.0738128	-10	7.8932049	1.2739807	6.1957021
1.4064439	5	1.3488314	3.0659130	-10	7.9135429	1.2752418	6.2055235
1.4307577	5	1.3618622	3.0365773	-10	7.9899937	1.2800000	6.2421826
1.4339506	5	1.3635677	3.0327793	-10	8.0000000	1.2806248	6.2469505
1.4619457	5	1.3784666	3.0000000	-10	8.0874113	1.2861035	6.2883052
1.4818562	5	1.3890039	2.9772414	-10	8.1492331	1.2900000	6.3172350
1.4843942	5	1.3903436	2.9743725	-10	8.1570933	1.2904967	6.3208944
1.5000000	5	1.3985645	2.9568889	-10	8.2053248	1.2935508	6.3432569
1.5027307	5	1.4000000	2.9538570	-10	8.2137469	1.2940852	6.3471456
1.5329547	5	1.4158305	2.9208297	-10	8.3066239	1.3000000	6.3897107
1.5524764	5	1.4259999	2.9000000	-10	8.3662876	1.3038204	6.4167484
1.5614337	5	1.4306518	2.8905705	-10	8.3935797	1.3055734	6.4290372
1.5965236	5	1.4487907	2.8543805	-10	8.5000000	1.3124405	6.4764842
1.6000000	5	1.4505805	2.8508585	-10	8.5105008	1.3131208	6.4811256
1.6142186	5	1.4578877	2.8365695	-10	8.5533720	1.3159034	6.5000000
1.6351517	5	1.4686074	2.8158648	-10	8.6162637	1.3200000	6.5274725
1.6375937	5	1.4698550	2.8134747	-10	8.6235834	1.3204779	6.5306533
1.6514617	5	1.4769285	2.8000000	-10	8.6650836	1.3231919	6.5486221
1.6969570	5	1.5000000	2.7569332	-10	8.8004431	1.3320953	6.6064664
1.7000000	5	1.5015360	2.7541131	-10	8.8094546	1.3326909	6.6102762
1.7129036	5	1.5080394	2.7422360	-10	8.8476099	1.3352161	6.6263506
1.7373486	5	1.5203168	2.7200908	-10	8.9196412	1.3400000	6.6564487
1.7599704	5	1.5316296	2.7000000	-10	8.9860126	1.3444271	6.6838973
1.7647497	5	1.5340137	2.6958038	-10	9.0000000	1.3453624	6.6896473
1.7873912	5	1.5452805	2.6761483	-10	9.0661023	1.3497934	6.7166594
1.8000000	5	1.5515354	2.6653597	-10	9.1027993	1.3522609	6.7315407
1.8395456	5	1.5710643	2.6322282	-10	9.2173749	1.3600000	6.7774815
1.8610830	5	1.5816450	2.6146194	-10	9.2794515	1.3642149	6.8020454
1.8792456	5	1.5905384	2.6000000	-10	9.3316285	1.3677693	6.8225163

V	V*	H ρ	λ	p^*	E*	W*	β			
1.8986285	5	1.6000000	2.5846249	-10	9.3871393	-1	3.7156256	-1	6.8441204	-1
1.9000000	5	1.6006683	2.5835457	-10	9.3910604	-1	3.7183095	-1	6.8456397	-1
1.9340038	5	1.6171921	2.5571482	-10	9.4880046	-1	1.3784855	0	6.8829193	-1
1.9382241	5	1.6192266	2.5539194	-10	9.5000000	-1	3.7931142	-1	6.8874946	-1
1.9417426	5	1.6209402	2.5512353	-10	9.5099947	-1	3.8000000	-1	6.8913005	-1
2.0000000	5	1.6490123	2.5078041	-10	9.6746925	-1	3.9140100	-1	6.9532022	-1
2.0061774	5	1.6519744	2.5030075	-10	9.6920710	-1	3.9260993	-1	6.9596452	-1
2.0107390	5	1.6541599	2.5000000	-10	9.7048936	-1	3.9350264	-1	6.9643884	-1
2.0439396	5	1.6702539	2.4762539	-10	9.7979590	-1	4.0000000	-1	6.9985421	-1
2.0453708	5	1.6707046	2.4752430	-10	9.8019606	-1	4.0028008	-1	7.0000000	-1
2.0776263	5	1.6860393	2.4527304	-10	9.8919286	-1	4.0659252	-1	7.0325474	-1
2.1000000	5	1.6966347	2.4374133	-10	9.9540912	-1	4.1097105	-1	7.0547806	-1
2.1071212	5	1.7000000	2.4325881	-10	9.9738356	-1	4.1236467	-1	7.0617991	-1
2.1165687	5	1.7044596	2.4262234	-10	1.0000000	0	4.1421356	-1	7.0710678	-1
2.1461366	5	1.7183794	2.4065698	-10	1.0081667	0	4.2000000	-1	7.0997652	-1
2.1483720	5	1.7194294	2.4051000	-10	1.0087827	0	4.2043747	-1	7.1019158	-1
2.1561554	5	1.7230833	2.4000000	-10	1.0109264	0	4.2196070	-1	7.1093837	-1
2.2000000	5	1.7435946	2.3717668	-10	1.0229994	0	4.3054110	0	7.1508629	-1
2.2184347	5	1.7521834	2.3601409	-10	1.0279994	0	4.3414877	-1	7.1680107	-1
2.2483335	5	1.7660702	2.3415829	-10	1.0361467	0	4.4000000	-1	7.1954632	-1
2.2878338	5	1.7843363	2.3176124	-10	1.0468633	0	4.4773023	-1	7.2310663	-1
2.3000000	5	1.7899442	2.3103512	-10	1.0501535	0	4.5011115	-1	7.2418827	-1
2.3175081	5	1.7979999	2.3000000	-10	1.0548797	0	4.5353750	-1	7.2573273	-1
2.3218608	5	1.8000000	2.2974443	-10	1.0560532	0	4.5438933	-1	7.2611450	-1
2.3505305	5	1.8131477	2.2807848	-10	1.0637669	0	4.6000000	-1	7.2860746	-1
2.3565880	5	1.8159199	2.2773030	-10	1.0653933	0	4.6118545	-1	7.2912943	-1
2.4000000	5	1.8357298	2.2527280	-10	1.0770157	0	4.6968120	-1	7.3282267	-1
2.4247147	5	1.8469635	2.2390263	-10	1.0836065	0	4.7451789	-1	7.3488866	-1
2.4527275	5	1.8596584	2.2237416	-10	1.0910545	0	4.8000000	-1	7.3719901	-1
2.4864876	5	1.8749056	2.2056576	-10	1.1000000	0	4.8660688	-1	7.3994007	-1
2.4971896	5	1.8797272	2.2000000	-10	1.1028288	0	4.8870125	-1	7.4079928	-1
2.5000000	5	1.8809925	2.1985201	-10	1.1035712	0	4.8925125	-1	7.4102416	-1
2.5423216	5	1.9000000	2.1765262	-10	1.1147228	0	4.9753361	-1	7.4437247	-1
2.5549245	5	1.9056438	2.1700802	-10	1.1180340	0	5.0000000	-1	7.4535599	-1
2.5591529	5	1.9075357	2.1679279	-10	1.1191440	0	5.0082751	-1	7.4568460	-1
2.6000000	5	1.9257692	2.1474016	-10	1.1298415	0	5.0882130	-1	7.4882391	-1
2.6155165	5	1.9326756	2.1397279	-10	1.1338934	0	5.1185789	-1	7.5000000	-1
2.6912746	5	1.9662428	2.1031990	-10	1.1535872	0	5.2668380	-1	7.5561632	-1
2.6980619	5	1.9692380	2.1000000	-10	1.1553445	0	5.2801206	-1	7.5610953	-1
2.7000000	5	1.9700930	2.0990887	-10	1.1558461	0	5.2839135	-1	7.5625007	-1

V	V*	H ρ	λ	p*	E*	W*	β						
2.7680232	5	2.0000000	3	2.0676999	-10	1.1733924	0	5.4170353	-1	1.5417035	0	7.6110121	-1
2.8000000	5	2.0139938	3	2.0533330	-10	1.1816025	0	5.4796140	-1	1.5479614	0	7.6332815	-1
2.8104169	5	2.0185437	3	2.0487046	-10	1.1842719	0	5.5000000	-1	1.5500000	0	7.6404641	-1
2.8211957	5	2.0232471	3	2.0439420	-10	1.1870314	0	5.5210941	-1	1.5521094	0	7.6478592	-1
2.8719903	5	2.0453515	3	2.0218528	-10	1.2000000	0	5.6204994	-1	1.5620499	0	7.6822128	-1
2.9000000	5	2.0574987	3	2.0099161	-10	1.2071267	0	5.6753145	-1	1.5675315	0	7.7008132	-1
2.9235747	5	2.0676999	3	2.0000000	-10	1.2131117	0	5.7214503	-1	1.5721450	0	7.7162837	-1
2.9490225	5	2.0786888	3	1.9894271	-10	1.2195589	0	5.7712517	-1	1.5771252	0	7.7327969	-1
2.9985280	5	2.1000000	3	1.9692380	-10	1.2320620	0	5.8681343	-1	1.5868134	0	7.7643787	-1
3.0000000	5	2.1006323	3	1.9686452	-10	1.2324330	0	5.8710150	-1	1.5871015	0	7.7653070	-1
3.0659094	5	2.1288694	3	1.9425334	-10	1.2489996	0	6.0000000	-1	1.6000000	0	7.8062475	-1
3.0748531	5	2.1326897	3	1.9390536	-10	1.2512410	0	6.0175030	-1	1.6017503	0	7.8117107	-1
3.1779197	5	2.1765262	3	1.9000000	-10	1.2769597	0	6.2192048	-1	1.6219205	0	7.8731337	-1
3.1987783	5	2.1853567	3	1.8923226	-10	1.2821405	0	6.2600253	-1	1.6260025	0	7.8852306	-1
3.2000000	5	2.1858734	3	1.8918752	-10	1.2824437	0	6.2624160	-1	1.6262416	0	7.8859357	-1
3.2334379	5	2.2000000	3	1.8797272	-10	1.2907317	0	6.3278542	-1	1.6327854	0	7.9050906	-1
3.2709265	5	2.2157975	3	1.8663257	-10	1.3000000	0	6.4012195	-1	1.6401219	0	7.9262399	-1
3.2808822	5	2.2367839	3	1.8481321	-10	1.3123126	0	6.4989830	-1	1.6498983	0	7.9539000	-1
3.3214018	5	2.2370018	3	1.8486350	-10	1.3124405	0	6.5000000	-1	1.6500000	0	7.9541847	-1
3.4000000	5	2.2698745	3	1.8218627	-10	1.3317268	0	6.6538171	-1	1.6653817	0	7.9965258	-1
3.4065660	5	2.2726128	3	1.8196676	-10	1.3333333	0	6.6666667	-1	1.6666667	0	8.0000000	-1
3.4412426	5	2.2870550	3	1.8081768	-10	1.3418065	0	6.7345290	-1	1.6734529	0	8.0181908	-1
3.4622368	5	2.2974443	3	1.8000000	-10	1.3479019	0	6.7834428	-1	1.6783443	0	8.0311406	-1
3.4723912	5	2.3000000	3	1.7979999	-10	1.3494013	0	6.7954869	-1	1.6795487	0	8.0343088	-1
3.5599323	5	2.3362446	3	1.7701057	-10	1.3706658	0	6.9668053	-1	1.6966805	0	8.0785145	-1
3.5768943	5	2.3432446	3	1.7648178	-10	1.3747727	0	7.0000000	-1	1.7000000	0	8.0868983	-1
3.6000000	5	2.3527684	3	1.7576740	-10	1.3803603	0	7.0452181	-1	1.7045218	0	8.0982262	-1
3.6770189	5	2.3844196	3	1.7343423	-10	1.3989300	0	7.1959443	-1	1.7195944	0	8.1352319	-1
3.6814676	5	2.3862435	3	1.7330167	-10	1.4000000	0	7.2046505	-1	1.7204651	0	8.1373347	-1
3.7150594	5	2.4000000	3	1.7230833	-10	1.4080709	0	7.2703899	-1	1.7270390	0	8.1530927	-1
3.7948923	5	2.4325881	3	1.7000000	-10	1.4271902	0	7.4266232	-1	1.7426623	0	8.1897119	-1
3.8000000	5	2.4346682	3	1.6985476	-10	1.4364106	0	7.4366191	-1	1.7436619	0	8.1920159	-1
3.8323867	5	2.4478438	3	1.6894051	-10	1.4361407	0	7.5000000	-1	1.7500000	0	8.205181	-1
3.9611444	5	2.5000000	3	1.6541599	-10	1.4667405	0	7.7519795	-1	1.7751979	0	8.2624055	-1
3.9631271	5	2.5008004	3	1.6536305	-10	1.4672101	0	7.7558596	-1	1.7755860	0	8.2623446	-1
4.0000000	5	2.5156710	3	1.6438556	-10	1.4759346	0	7.8280201	-1	1.7828020	0	8.2787354	-1
4.0878791	5	2.510016	3	1.6210887	-10	1.4966630	0	8.0000000	-1	1.8000000	0	8.3147942	-1
4.1020622	5	2.5566894	3	1.6174823	-10	1.5000000	0	8.0277564	-1	1.8027756	0	8.3205029	-1
4.1718615	5	2.5846249	3	1.6000000	-10	1.5163896	0	8.1643538	-1	1.8164354	0	8.3481617	-1
4.2000000	5	2.5958607	3	1.5930746	-10	1.5229816	0	8.2194211	-1	1.8219421	0	8.3591110	-1

V	V*	H _p	λ	p*	E*	W*	β
4.2103756	5	2.6000000	1.5905384	1.5254101	8.2397262	1.8239726	8.3631198
4.2404849	5	2.6120008	1.5832307	1.5324510	8.2986503	1.8298650	8.3746668
4.3433716	5	2.6528861	1.5588305	1.5564382	8.5000000	1.8500000	8.4131797
4.4000000	5	2.6753105	1.5457644	1.5695945	8.6108221	1.8610822	8.4337732
4.4625072	5	2.7000000	1.5316296	1.5840798	8.7333149	1.8733314	8.4566025
4.5098492	5	2.7186567	1.5211188	1.5950256	8.8257975	1.8825798	8.4725524
4.5313948	5	2.7271354	1.5163896	1.6000000	8.8967962	1.8967962	8.4799830
4.5902590	5	2.7502625	1.5036382	1.6135686	8.9831599	1.8983160	8.5000000
4.5988640	5	2.7536388	1.5017946	1.6155494	9.0000000	1.9000000	8.5028918
4.6000000	5	2.7540844	1.5015516	1.6158109	9.0022231	1.9002223	8.5032729
4.6072633	5	2.7569332	1.5000000	1.6174823	9.0164373	1.9016437	8.5057061
4.7173160	5	2.8000000	1.4769285	1.6427494	9.2318110	1.9231811	8.5418341
4.7718736	5	2.8212833	1.4657868	1.6552362	9.3385807	1.9338581	8.5592437
4.8000000	5	2.8322388	1.4601169	1.6616638	9.3936241	1.9393624	8.5680932
4.8543565	5	2.8533379	1.4492989	1.6740669	9.5000000	1.9500000	8.5849585
4.9683485	5	2.8975814	1.4271902	1.7000000	9.7230829	1.9723083	8.6193421
4.9745990	5	2.9000000	1.4259999	1.7014190	9.7353151	1.9735315	8.6211900
5.0000000	5	2.9098237	1.4211857	1.7071825	9.7850251	1.9785025	8.6286599
5.0271274	5	2.9203057	1.4160846	1.7133323	9.8381136	1.9838114	8.6365686
5.1098489	5	2.9522107	1.4007807	1.7320508	1.0000000	2.0000000	8.6602540
5.1141236	5	2.9538570	1.4000000	1.7330167	1.0008366	2.0008366	8.6614607
5.2341716	5	3.0000000	1.3784666	1.7600886	1.0243300	2.0243300	8.6946724
5.2761098	5	3.0160788	1.3711180	1.7695220	1.0325373	2.0325373	8.7059753
5.4119740	5	3.0680273	1.3479019	1.8000000	1.0591260	2.0591260	8.7415728
5.5000000	5	3.1015737	1.3333231	1.8196815	1.0763528	2.0763528	8.7638360
5.5192615	5	3.1089028	1.3301798	1.8239815	1.0801222	2.0801222	8.7686265
5.6208338	5	3.1474867	1.3138736	1.8466185	1.1000000	2.1000000	8.7934216
5.7094904	5	3.1810768	1.3000000	1.8663257	1.1173501	2.1173501	8.8144406
5.7569738	5	3.1990346	1.2927024	1.8768615	1.1266427	2.1266427	8.8254671
5.7595281	5	3.2000000	1.2923124	1.8774279	1.1271425	2.1271425	8.8260557
5.8614620	5	3.2384733	1.2769597	1.9000000	1.1470911	2.1470911	8.8491822
5.9895964	5	3.2866956	1.2582242	1.9282919	1.1721670	2.1721670	8.8772726
6.0000000	5	3.2906043	1.2567296	1.9305851	1.1742030	2.1742030	8.8795069
6.1318187	5	3.3400451	1.2381269	1.9595918	1.2000000	2.2000000	8.9072354
6.2174427	5	3.3720786	1.2263652	1.9783857	1.2167566	2.2167566	8.9246861
6.2922106	5	3.4000000	1.2162941	1.9947671	1.2313888	2.2313888	8.9395767
6.3161206	5	3.4089192	1.2131117	2.0000000	1.2360680	2.2360680	8.9442719
6.4161048	5	3.4461665	1.2000000	2.0218528	1.2556349	2.2556349	8.9635642
6.5000000	5	3.4773591	1.1892358	2.0401534	1.2720533	2.2720533	8.9793381
6.6129485	5	3.5192687	1.1750736	2.0647416	1.2941573	2.2941573	9.0000000

V	V^*	$H\rho$	λ	p^*	E^*	W^*	β						
6.6428036	5	3.5303305	3	1.1713917	-10	2.0712315	0	1.3000000	0	2.3000000	0	9.0053544	-1
6.6599103	5	3.5366658	3	1.1692933	-10	2.0749484	0	1.3033478	0	2.3033478	0	9.0084027	-1
6.7753565	5	3.5793652	3	1.1553445	-10	2.1000000	0	1.3259407	0	2.3259407	0	9.02866052	-1
6.8312386	5	3.6000000	3	1.1487222	-10	2.1121064	0	1.3368768	0	2.3368768	0	9.0381587	-1
7.0000000	5	3.6621864	3	1.1292161	-10	2.1485909	0	1.3699035	0	2.3699035	0	9.0661533	-1
7.0863361	5	3.6939270	3	1.1195131	-10	2.1672130	0	1.3867995	0	2.3867995	0	9.0799957	-1
7.1537885	5	3.7186919	3	1.1120577	-10	2.1817424	0	1.4000000	0	2.4000000	0	9.0905934	-1
7.2386590	5	3.7498112	3	1.1028288	-10	2.2000000	0	1.4166092	0	2.4166092	0	9.1036648	-1
7.2649832	5	3.7594544	3	1.1000000	-10	2.2056576	0	1.4217609	0	2.4217609	0	9.1076608	-1
7.3757903	5	3.8000000	3	1.0882631	-10	2.2294456	0	1.4434459	0	2.4434459	0	9.1241866	-1
7.4983479	5	3.8447611	3	1.0759934	-10	2.2557068	0	1.4674305	0	2.4674305	0	9.1419264	-1
7.5000000	5	3.8453639	3	1.0754248	-10	2.2560604	0	1.4677538	0	2.4677538	0	9.1421618	-1
7.6647734	5	3.9054076	3	1.0588907	-10	2.2912878	0	1.5000000	0	2.5000000	0	9.1651514	-1
7.7055870	5	3.9202571	3	1.0548797	-10	2.3000000	0	1.5079872	0	2.5079872	0	9.1707006	-1
7.8973155	5	3.9898972	3	1.0364678	-10	2.3408575	0	1.5455086	0	2.5455086	0	9.1960308	-1
7.9251735	5	4.0000000	3	1.0338500	-10	2.3467848	0	1.5509604	0	2.5509604	0	9.1996129	-1
8.0000000	5	4.0271169	3	1.0268885	-10	2.3626942	0	1.5656040	0	2.5656040	0	9.2091149	-1
8.1757583	5	4.0907031	3	1.0109264	-10	2.4000000	0	1.6000000	0	2.6000000	0	9.2207692	-1
8.2844045	5	4.1299359	3	1.0013230	-10	2.4230178	0	1.6212621	0	2.6212621	0	9.2437065	-1
8.2995474	5	4.1353998	3	1.0000000	-10	2.4262234	0	1.6242256	0	2.6242256	0	9.2454833	-1
8.4788021	5	4.2000000	3	9.8461901	-11	2.4641241	0	1.6593058	0	2.6593058	0	9.2660425	-1
8.5000000	5	4.2076299	3	9.8283354	-11	2.4686005	0	1.6634543	0	2.6634543	0	9.2684172	-1
8.6488404	5	4.2611491	3	9.7048936	-11	2.5000000	0	1.6925824	0	2.6925824	0	9.2847669	-1
8.6601666	5	4.2653795	3	9.6952682	-11	2.5024820	0	1.6948870	0	2.6948870	0	9.2860367	-1
8.6867432	5	4.2747630	3	9.6739862	-11	2.5079872	0	1.7000000	0	2.7000000	0	9.2888416	-1
8.9050277	5	4.3530524	3	9.5000000	-11	2.5539194	0	1.7427184	0	2.7427184	0	9.3116354	-1
9.0000000	5	4.3870561	3	9.4263664	-11	2.5738692	0	1.7613045	0	2.7613045	0	9.3212073	-1
9.0268204	5	4.3966525	3	9.4057918	-11	2.5794994	0	1.7665533	0	2.7665533	0	9.3238739	-1
9.0361778	5	4.4000000	3	9.3986360	-11	2.5814633	0	1.7683845	0	2.7683845	0	9.3248004	-1
9.1245431	5	4.4315950	3	9.3316285	-11	2.6000000	0	1.7856777	0	2.7856777	0	9.3334561	-1
9.1977281	5	4.4577404	3	9.2768970	-11	2.6153394	0	1.8000000	0	2.8000000	0	9.3404977	-1
9.3837744	5	4.5241181	3	9.1407865	-11	2.6542830	0	1.8364094	0	2.8364094	0	9.3578981	-1
9.5000000	5	4.5655236	3	9.0578874	-11	2.6785754	0	1.8591548	0	2.8591548	0	9.3684168	-1
9.5825068	5	4.5948887	3	9.0000000	-11	2.6958038	0	1.8753014	0	2.8753014	0	9.3757260	-1
9.5968745	5	4.6000000	3	8.9899996	-11	2.6988026	0	1.8781131	0	2.8781131	0	9.3769856	-1
9.6026121	5	4.6020410	3	8.9860126	-11	2.7000000	0	1.8792360	0	2.8792360	0	9.3774876	-1
9.7087130	5	4.6397633	3	8.9129544	-11	2.721315	0	1.9000000	0	2.9000000	0	9.3866604	-1
9.7321461	5	4.6480895	3	8.8969883	-11	2.7270165	0	1.9045859	0	2.9045859	0	9.3886586	-1
1.0000000	6	4.7431405	3	8.7186956	-11	2.7827825	0	1.9570050	0	2.9570050	0	9.4108144	-1
1.0072526	6	4.7688392	3	8.6717115	-11	2.7978599	0	1.9711984	0	2.9711984	0	9.4166040	-1

V	V*	H ρ	λ	p*	E*	W*	β						
1.0082824	6	4.7724869	3	8.6650836	-11	2.8000000	0	1.9732137	0	2.9732137	0	9.4174191	-1
1.0160526	6	4.8000000	3	8.6154163	-11	2.8161418	0	1.9884201	0	2.9884201	0	9.4235138	-1
1.0219698	6	4.8203936	3	8.5779951	-11	2.8284271	0	2.0000000	0	3.0000000	0	9.4280904	-1
1.0344794	6	4.8651763	3	8.5000000	-11	2.8543805	0	2.0244814	0	3.0244814	0	9.4375864	-1
1.0405441	6	4.8866061	3	8.4627239	-11	2.8669533	0	2.0363500	0	3.0363500	0	9.4421062	-1
1.0564982	6	4.9429329	3	8.3662876	-11	2.9000000	0	2.0675723	0	3.0675723	0	9.4537298	-1
1.0726818	6	5.0000000	3	8.2707997	-11	2.9334810	0	2.0992436	0	3.0992436	0	9.4651515	-1
1.0730683	6	5.0013620	3	8.2685472	-11	2.9342801	0	2.1000000	0	3.1000000	0	9.4654198	-1
1.0731360	6	5.0016008	3	8.2681525	-11	2.9344202	0	2.1001326	0	3.1001326	0	9.4654669	-1
1.1000000	6	5.0961781	3	8.1147082	-11	2.9899084	0	2.1527055	0	3.1527055	0	9.4836272	-1
1.1048912	6	5.1133789	3	8.0874113	-11	3.0000000	0	2.1622777	0	3.1622777	0	9.4868330	-1
1.1050708	6	5.1140104	3	8.0864127	-11	3.0003705	0	2.1626291	0	3.1626291	0	9.4869501	-1
1.1207900	6	5.1692498	3	8.0000000	-11	3.0327793	0	2.1933916	0	3.1933916	0	9.4970477	-1
1.1241668	6	5.1811087	3	7.9816890	-11	3.0397368	0	2.2000000	0	3.2000000	0	9.4991776	-1
1.1254765	6	5.1857075	3	7.9746107	-11	3.0424349	0	2.2025631	0	3.2025631	0	9.5000000	-1
1.1363867	6	5.2240017	3	7.9161534	-11	3.0649020	0	2.2239144	0	3.2239144	0	9.5067722	-1
1.1671182	6	5.3317244	3	7.7562146	-11	3.1281025	0	2.2840562	0	3.2840562	0	9.5251186	-1
1.1752263	6	5.362478	3	7.7149416	-11	3.1448370	0	2.3000000	0	3.3000000	0	9.5298092	-1
1.1972970	6	5.4373133	3	7.6055941	-11	3.1900511	0	2.3431162	0	3.3431162	0	9.5421484	-1
1.2000000	6	5.4467614	3	7.5924012	-11	3.1955943	0	2.3484060	0	3.3484060	0	9.5436284	-1
1.2021486	6	5.4542708	3	7.5819481	-11	3.2000000	0	2.3526109	0	3.3526109	0	9.5447998	-1
1.2152387	6	5.5000000	3	7.5189088	-11	3.2268291	0	2.3782283	0	3.3782283	0	9.5518386	-1
1.2192099	6	5.5138664	3	7.5000000	-11	3.2349645	0	2.3859999	0	3.3859999	0	9.5539415	-1
1.2263637	6	5.5388382	3	7.4661864	-11	3.2496154	0	2.4000000	0	3.4000000	0	9.5576922	-1
1.2269518	6	5.5408905	3	7.4634210	-11	3.2508194	0	2.4011508	0	3.4011508	0	9.5579984	-1
1.2561090	6	5.6425667	3	7.3289339	-11	3.3104725	0	2.4582117	0	3.4582117	0	9.5727873	-1
1.2774622	6	5.7169314	3	7.2336006	-11	3.3541020	0	2.5000000	0	3.5000000	0	9.5831485	-1
1.2847929	6	5.7424429	3	7.2014645	-11	3.3690695	0	2.5143462	0	3.5143462	0	9.5866181	-1
1.2999502	6	5.7954927	3	7.1359512	-11	3.4000000	0	2.5440090	0	3.5440090	0	9.5936550	-1
1.3000000	6	5.7953359	3	7.1357379	-11	3.4001016	0	2.5441065	0	3.5441065	0	9.5936778	-1
1.3130258	6	5.8406114	3	7.0804228	-11	3.4266646	0	2.5695980	0	3.5695980	0	9.5995811	-1
1.3285607	6	5.8945724	3	7.0156061	-11	3.4583233	0	2.6000000	0	3.6000000	0	9.6064536	-1
1.3323458	6	5.9077140	3	7.0000000	-11	3.4660334	0	2.6074073	0	3.6074073	0	9.6081011	-1
1.3589439	6	6.0000000	3	6.8923330	-11	3.5201773	0	2.6594601	0	3.6594601	0	9.6193897	-1
1.3682194	6	6.0321575	3	6.8555899	-11	3.5390440	0	2.6776123	0	3.6776123	0	9.6232111	-1
1.3796592	6	6.0718010	3	6.8108290	-11	3.5623026	0	2.7000000	0	3.7000000	0	9.6278449	-1
1.3982122	6	6.1360546	3	6.7395094	-11	3.6000000	0	2.7363083	0	3.7363083	0	9.6351791	-1
1.4000000	6	6.1724336	3	6.7327187	-11	3.6036310	0	2.7398070	0	3.7398070	0	9.6358743	-1
1.4218376	6	6.2178057	3	6.6508991	-11	3.6479630	0	2.7825433	0	3.7825433	0	9.6442068	-1
1.4307577	6	6.2488522	3	6.6180669	-11	3.6660606	0	2.8000000	0	3.8000000	0	9.6475278	-1

V	V*	H _p	λ	p*	E*	W*	β
1.4636056	3.5596961	6.3621536	6.5000000	3.7326514	2.8642834	3.8642834	9.6593624
1.4740080	3.6000000	6.3980692	6.4635122	3.7537230	2.8846411	3.8846411	9.66629854
1.4818562	3.6305477	6.4251572	6.4362625	3.76906154	2.9000000	3.9000000	9.6656804
1.4948672	3.6893109	6.4769466	6.3847984	3.8000000	2.9293765	3.9293765	9.6707454
1.5000000	3.7016306	6.4877518	6.3741647	3.8063394	2.9355075	3.9355075	9.67117878
1.5035516	3.7156204	6.5000000	6.3621536	3.8135254	2.9424581	3.9424581	9.6729636
1.5248419	3.8000000	6.5733913	6.2911208	3.8565837	2.9841233	3.9841233	9.6799806
1.5329547	3.8323867	6.6013437	6.2644819	3.8729833	3.0000000	4.0000000	9.6824584
1.5744371	4.0000000	6.7441571	6.1318260	3.9567714	3.0811812	4.0811812	9.6951623
1.5938598	4.0878791	6.8178385	6.0655585	4.0000000	3.1231056	4.1231056	9.7014250
1.6000000	4.1049664	6.8320729	6.0529211	4.0083512	3.1312080	4.1312080	9.7026130
1.6175328	4.11776989	6.8923330	6.0000000	4.0437057	3.1655198	4.1655198	9.7075655
1.6228798	4.2000000	6.9107046	5.9840495	4.0544842	3.1759840	4.1759840	9.7090512
1.6331517	4.25313943	6.9528583	5.9477695	4.0792156	3.2000000	4.2000000	9.7124181
1.6488806	4.3092403	7.0000000	5.9077140	4.1068735	3.22268676	4.22268676	9.7161157
1.6702470	4.4000000	7.0733317	5.8464667	4.1498969	3.2686818	4.2686818	9.7217293
1.6951447	4.5068868	7.1587304	5.7767224	4.2000000	3.3174066	4.3174066	9.7280621
1.7000000	4.5278722	7.1753777	5.7633201	4.2097669	3.3269085	4.3269085	9.7292718
1.7166072	4.6000000	7.2323028	5.7179573	4.2431646	3.3594089	4.3594089	9.7333485
1.7373486	4.6908413	7.3033658	5.6623205	4.2848571	3.4000000	4.4000000	9.7383115
1.7620220	4.8000000	7.3878540	5.5975657	4.3344259	3.4482860	4.4482860	9.7440361
1.7946840	4.9463338	7.4996223	5.5141441	4.4000000	3.5122057	4.5122057	9.7513286
1.7947944	4.9488319	7.5000000	5.5138664	4.4002216	3.5124217	4.5124217	9.7513527
1.8000000	4.9703481	7.5178056	5.5008071	4.4106680	3.5226090	4.5226090	9.7524858
1.8003226	4.9718070	7.5189088	5.5000000	4.4113153	3.5232403	4.5232403	9.7525557
1.8065471	5.0000000	7.5401969	5.4844719	4.4238049	3.5354217	4.5354217	9.7538999
1.8395456	5.1507277	7.6530047	5.4036290	4.4899889	3.6000000	4.6000000	9.7608454
1.8944463	5.4062202	7.8405143	5.2743987	4.6000000	3.7074409	4.7074409	9.7717636
1.9000000	5.4323941	7.8594710	5.2616770	4.6111219	3.7183095	4.7183095	9.7728261
1.9142861	5.5000000	7.9082252	5.2292388	4.6397258	3.7462675	4.7462675	9.7755252
1.9411888	5.6283955	8.0000000	5.1692498	4.6735697	3.7989162	4.7989162	9.7804786
1.9417426	5.6310535	8.0108888	5.1680296	4.6946778	3.8000000	4.8000000	9.7805788
1.9944048	5.8865460	8.1804062	5.0546321	4.8000000	3.9030603	4.9030603	9.7898042
2.0000000	5.9140100	8.2004694	5.0428818	4.8111843	3.9140100	4.9140100	9.7907499
2.0174384	6.0000000	8.2598719	5.0066150	4.8460355	3.9481370	4.9481370	9.7936566
2.0206469	6.0158865	8.2707997	5.0000000	4.8524468	3.9544162	4.9544162	9.7941848
2.0439396	6.1318187	8.3501127	4.9525078	4.8989795	4.0000000	5.0000000	9.7979590
2.0879824	6.3539308	8.5000000	4.8651763	4.9869178	4.0861920	5.0861920	9.8048162
2.0945371	6.3873112	8.5222981	4.8524468	5.0000000	4.0990195	5.0990195	9.8058068
2.1000000	6.4151961	8.5408806	4.8418893	5.0109023	4.1097105	5.1097105	9.8066265

V	V*	H ρ	λ	P*	E*	W*	β
2.1165442	6	8.5971472	4.8102001	5.0439137	0	5.1420876	9.8090776
2.1219168	6	8.6154163	4.8000000	5.0546321	0	4.1526018	9.8098636
2.1461366	6	8.6977558	4.7545596	5.1029403	0	4.2000000	9.8133468
2.2000000	6	8.8807722	4.6565769	5.2103154	0	4.3054110	9.8207572
2.2120454	6	8.9216813	4.6352248	5.2343166	0	4.3289840	9.8223538
2.2321656	6	8.9899996	4.6000000	5.2743987	0	4.3683593	9.8249733
2.2351112	6	9.0000000	4.5948887	5.2802659	0	4.3741239	9.8253519
2.2483335	6	9.0448849	4.5720868	5.3065997	0	4.4000000	9.8270364
2.2994320	6	9.2182749	4.4860887	5.4083269	0	4.5000000	9.8333217
2.3000000	6	9.2202015	4.4851512	5.4094573	0	4.5011115	9.8333896
2.3043089	6	9.2348175	4.4780526	5.4180324	0	4.5095440	9.8339035
2.3455075	6	9.3745279	4.4113153	5.5000000	0	4.5901699	9.8386991
2.3505305	6	9.3915571	4.4033165	5.5099909	0	4.6000000	9.8392695
2.3526186	6	9.3986360	4.4000000	5.5141441	0	4.6040865	9.8395057
2.3825242	6	9.5000000	4.3530524	5.5736140	0	4.6626118	9.8428325
2.3936431	6	9.5376785	4.3358558	5.5957198	0	4.6843716	9.8440430
2.4000000	6	9.5592179	4.3260859	5.6083569	0	4.6968120	9.8447287
2.4527275	6	9.7378211	4.2467404	5.7131427	0	4.8000000	9.8502461
2.4803106	6	9.8312140	4.2063980	5.7679360	0	4.8539803	9.8530157
2.4847344	6	9.8461901	4.2000000	5.7767224	0	4.8626378	9.8534527
2.5000000	6	9.8978638	4.1780731	5.8070392	0	4.8925125	9.8549458
2.5301800	6	1.0000000	4.1353998	5.8669621	0	4.9515749	9.8578312
2.5549245	6	1.0083719	4.1010661	5.9160798	0	5.0000000	9.8601330
2.5645368	6	1.0116236	4.0878840	5.9351571	0	5.0188114	9.8610120
2.5972149	6	1.0226758	4.0437057	6.0000000	0	5.0827625	9.8639392
2.6000000	6	1.0236176	4.0399851	6.0055256	0	5.0882130	9.8641844
2.6302633	6	1.0338500	4.0000000	6.0655585	0	5.1474385	9.8668063
2.6465171	6	1.0393444	3.9788541	6.0977943	0	5.1792471	9.8681832
2.7000000	6	1.0547186	3.9108445	6.2038351	0	5.2839135	9.8725659
2.7264220	6	1.0663449	3.8781073	6.25562049	0	5.3356215	9.8746507
2.7913240	6	1.0882631	3.8000000	6.3847984	0	5.4626350	9.8795591
2.8000000	6	1.0911923	3.7897993	6.4019839	0	5.4796140	9.8801933
2.8104169	6	1.0947090	3.7776247	6.4226163	0	5.5000000	9.8809481
2.8260910	6	1.1000000	3.7594544	6.4536583	0	5.5306742	9.8820705
2.8494936	6	1.1078988	3.7326514	6.5000000	0	5.5764732	9.8837170
2.8805890	6	1.1183919	3.6976302	6.5615631	0	5.6373270	9.8858517
2.9000000	6	1.1249411	3.6761035	6.5999867	0	5.6753145	9.8871546
2.9705059	6	1.1487232	3.6000000	6.7395094	0	5.8132949	9.8917037
3.0000000	6	1.1586671	3.5691008	6.7978561	0	5.8710150	9.8935253
3.0280465	6	1.1681223	3.5402114	6.8533291	0	5.9259021	9.8952151

V	V^*	$H\rho$	λ	p^*	E^*	W^*	β								
3.0659094	6	1.1808843	4	3.5019518	-11	6.9282032	0	6.0000000	0	7.0000000	0	9.8974332	-1	9.8974332	-1
3.1022239	6	1.1931217	4	3.4660334	-11	7.0000000	0	6.0710678	0	7.0710678	0	9.8994949	-1	9.8994949	-1
3.1226384	6	1.2000000	4	3.4461665	-11	7.0403545	0	6.1110190	0	7.0403545	0	9.9006267	-1	9.9006267	-1
3.1696610	6	1.2158202	4	3.4013251	-11	7.1331711	0	6.2029251	0	7.2029251	0	9.9031588	-1	9.9031588	-1
3.1710078	6	1.2162941	4	3.4000000	-11	7.1359512	0	6.2056783	0	7.2056783	0	9.9032331	-1	9.9032331	-1
3.2000000	6	1.2260585	4	3.3729220	-11	7.1932390	0	6.2624160	0	7.2624160	0	9.9047465	-1	9.9047465	-1
3.3059095	6	1.2617163	4	3.2775989	-11	7.4024415	0	6.4696814	0	7.4696814	0	9.9099829	-1	9.9099829	-1
3.3214018	6	1.2669307	4	3.2641089	-11	7.4330344	0	6.5000000	0	7.5000000	0	9.9107125	-1	9.9107125	-1
3.3553174	6	1.2778447	4	3.2396465	-11	7.5000000	0	6.5663730	0	7.5663730	0	9.9122790	-1	9.9122790	-1
3.3968282	6	1.2923124	4	3.2000000	-11	7.5819481	0	6.6476099	0	7.6476099	0	9.9141408	-1	9.9141408	-1
3.4000000	6	1.2933796	4	3.1973598	-11	7.5882090	0	6.6538171	0	7.6538171	0	9.9142806	-1	9.9142806	-1
3.4196783	6	1.3000000	4	3.1810768	-11	7.6270507	0	6.6923275	0	7.6923275	0	9.9151404	-1	9.9151404	-1
3.4375151	6	1.3060004	4	3.1664613	-11	7.6622549	0	6.7272343	0	7.7272343	0	9.9159086	-1	9.9159086	-1
3.5648736	6	1.3488314	4	3.0659130	-11	7.9135429	0	6.9764754	0	7.9764754	0	9.9211023	-1	9.9211023	-1
3.5768943	6	1.3528729	4	3.0567542	-11	7.9372539	0	7.0000000	0	8.0000000	0	9.9215674	-1	9.9215674	-1
3.6000000	6	1.3606407	4	3.0393033	-11	7.9828274	0	7.0452181	0	8.0452181	0	9.9245000	-1	9.9245000	-1
3.6087070	6	1.3635677	4	3.0327793	-11	8.0000000	0	7.0622578	0	8.0622578	0	9.9227788	-1	9.9227788	-1
3.6530317	6	1.3784666	4	3.0000000	-11	8.0874113	0	7.1490013	0	8.1490013	0	9.9244202	-1	9.9244202	-1
3.6883712	6	1.3903436	4	2.9743725	-11	8.1570933	0	7.2181610	0	8.2181610	0	9.9256917	-1	9.9256917	-1
3.7171068	6	1.4000000	4	2.9538570	-11	8.2137469	0	7.27473966	0	8.27473966	0	9.9267020	-1	9.9267020	-1
3.7944917	6	1.4259999	4	2.9000000	-11	8.3662876	0	7.4258393	0	8.4258393	0	9.9293225	-1	9.9293225	-1
3.8000000	6	1.4278504	4	2.8962417	-11	8.3771440	0	7.4366191	0	8.4366191	0	9.9295036	-1	9.9295036	-1
3.8083393	6	1.4306518	4	2.8905705	-11	8.3935797	0	7.4529392	0	8.4529392	0	9.9297766	-1	9.9297766	-1
3.8323867	6	1.4387295	4	2.8743414	-11	8.4409715	0	7.5000000	0	8.5000000	0	9.9305547	-1	9.9305547	-1
3.8622343	6	1.4487907	4	2.8543805	-11	8.4000000	0	7.5586214	0	8.5586214	0	9.9315060	-1	9.9315060	-1
3.9250642	6	1.4698550	4	2.8134747	-11	8.6235834	0	7.6813703	0	8.6813703	0	9.9334357	-1	9.9334357	-1
3.9461297	6	1.4769285	4	2.8000000	-11	8.6650836	0	7.7225956	0	8.7225956	0	9.9340655	-1	9.9340655	-1
4.0000000	6	1.4950155	4	2.7661250	-11	8.7711994	0	7.8280201	0	8.8280201	0	9.9356360	-1	9.9356360	-1
4.0148473	6	1.5000000	4	2.7569332	-11	8.8049431	0	7.8570762	0	8.8570762	0	9.9360589	-1	9.9360589	-1
4.0387955	6	1.5080000	4	2.7422360	-11	8.8476099	0	7.9039430	0	8.9039430	0	9.9367324	-1	9.9367324	-1
4.0878791	6	1.5245150	4	2.7126002	-11	8.9442719	0	8.0000000	0	9.0000000	0	9.9380799	-1	9.9380799	-1
4.1090766	6	1.5316296	4	2.7000000	-11	8.9860126	0	8.0414834	0	9.0414834	0	9.9386485	-1	9.9386485	-1
4.1161801	6	1.5340137	4	2.6958038	-11	9.0000000	0	8.0553851	0	9.0553851	0	9.9388373	-1	9.9388373	-1
4.1497523	6	1.5452805	4	2.6761483	-11	9.0661023	0	8.1210860	0	9.1210860	0	9.9397180	-1	9.9397180	-1
4.2000000	6	1.5621419	4	2.6472626	-11	9.1650273	0	8.2194211	0	9.2194211	0	9.9410008	-1	9.9410008	-1
4.2581283	6	1.5816450	4	2.6146194	-11	9.2794515	0	8.3331785	0	9.3331785	0	9.9424344	-1	9.9424344	-1
4.2846373	6	1.5905384	4	2.6000000	-11	9.3316285	0	8.3850567	0	9.3850567	0	9.9430709	-1	9.9430709	-1
4.3128420	6	1.6000000	4	2.5846249	-11	9.3871393	0	8.4402534	0	9.4402534	0	9.9437366	-1	9.9437366	-1
4.3433716	6	1.6102408	4	2.5681872	-11	9.4472218	0	8.5000000	0	9.5000000	0	9.9444440	-1	9.9444440	-1
4.36440957	6	1.6171921	4	2.5571482	-11	9.4880046	0	8.5405571	0	9.5405571	0	9.9449167	-1	9.9449167	-1

V	V*	H ρ	λ	p*	E*	W*	β
4.3701915	2.3058193	1.6192366	2.5539194	0	8.5524866	0	9.9450545
4.4000000	2.3343809	1.6292343	2.5382475	0	8.6108221	0	9.9457213
4.4678082	2.4000000	1.6519144	2.5033075	0	8.7435230	0	9.9471936
4.4743258	2.4063546	1.6541599	2.5000000	0	8.7562780	0	9.9473320
4.5694039	2.5000000	1.6860393	2.4527304	0	8.9423463	0	9.9492899
4.5988640	2.5293752	1.6959159	2.4384463	0	9.0000000	0	9.9498744
4.6000000	2.5305113	1.6962967	2.4378988	0	9.0022231	0	9.9498967
4.6110466	2.5415723	1.7000000	2.4325881	0	9.0238414	0	9.9501131
4.6243497	2.5549245	1.7044596	2.4262234	0	9.0498756	0	9.9503719
4.6690074	2.6000000	1.7194294	2.4051000	0	9.11372709	0	9.9512260
4.6799080	2.6110618	1.7230833	2.4000000	0	9.15866034	0	9.9514311
4.7067315	2.7000000	1.7521834	2.3601409	0	9.3285174	0	9.9530197
4.8000000	2.7344698	1.763326	2.3452182	0	9.3936241	0	9.9536078
4.8543565	2.7912550	1.7815476	2.3212401	0	9.5000000	0	9.9545452
4.8626786	2.8000000	1.7843363	2.3176124	0	9.5162865	0	9.9546862
4.9034571	2.8430465	1.7979999	2.3000000	0	9.5960902	0	9.9553677
4.9094265	2.8493752	1.8000000	2.2974443	0	9.6077722	0	9.9554662
4.9569424	2.9000000	1.8159199	2.2773030	0	9.7007612	0	9.9562385
5.0000000	2.9462563	1.8303449	2.2593554	0	9.7850251	0	9.9569211
5.0496085	3.0000000	1.8469635	2.2390263	0	9.88221092	0	9.9576880
5.1098489	3.0659094	1.8671420	2.2148288	0	1.0000000	0	9.9585920
5.1330277	3.0914586	1.8749056	2.2056576	0	1.0045361	0	9.9589321
5.1474234	3.1073794	1.8797272	2.2000000	0	1.0073533	0	9.9591412
5.2079541	3.1747668	1.9000000	2.1765262	0	1.0191992	0	9.9600033
5.2304556	3.2000000	1.9075357	2.1679279	0	1.0236028	0	9.9603168
5.4057776	3.4000000	1.9662428	2.1031990	0	1.0579134	0	9.9626380
5.4147236	3.4103665	1.9692380	2.1000000	0	1.0596641	0	9.9627509
5.5000000	3.5099701	1.9977880	2.0699894	0	1.0763528	0	9.9638022
5.5066075	3.5117472	2.0000000	2.0676999	0	1.0776459	0	9.9638818
5.5760520	3.6000000	2.0232471	2.0439420	0	1.0912362	0	9.9647027
5.6208338	3.6535420	2.0382373	2.0289099	0	1.1000000	0	9.9652173
5.6420880	3.6790912	2.0453515	2.0218528	0	1.1041595	0	9.9654576
5.7088579	3.7599290	2.0676999	2.0000000	0	1.1172264	0	9.9661965
5.7416911	3.8000000	2.0786888	1.9894271	0	1.1236518	0	9.9665511
5.8053689	3.8783162	2.1000000	1.9692380	0	1.1361136	0	9.9672233
5.9030542	4.0000000	2.1326897	1.9390536	0	1.1552307	0	9.9682156
6.0000000	4.1226090	2.1651289	1.9100017	0	1.1742030	0	9.9691565
6.0340635	4.1661264	2.1765262	1.9000000	0	1.1808693	0	9.9694772
6.0604561	4.2000000	2.1853567	1.8923226	0	1.1860343	0	9.9697223
6.1042237	4.2564741	2.2000000	1.8797272	0	1.1945996	0	9.9701222

V	V*	H ρ	λ	p*	E*	W*	β
6.1318187	4.2922731	2.2092322	1.8718720	1.2961481	1.2000000	1.3000000	9.9703703
6.1514430	4.3178224	2.2157975	1.8663257	1.3000000	1.2038405	1.3038405	9.9705449
6.1644581	4.4000000	2.2367839	1.8488151	1.3123126	1.2161172	1.3161172	9.9710926
6.2241750	4.6000000	2.2870750	1.8081768	1.3418065	1.2455276	1.3455276	9.9723442
6.3955190	4.6418877	2.2974443	1.8000000	1.3479019	1.2516063	1.3516063	9.9725928
6.4031596	4.6522206	2.3000000	1.7979999	1.3494013	1.2531016	1.3531016	9.9726534
6.5000000	4.7841731	2.3323898	1.7730312	1.3684042	1.2720533	1.3720533	9.9734046
6.5115257	4.8000000	2.3362446	1.7701057	1.3706658	1.2743089	1.3743088	9.9734920
6.6428036	4.9821027	2.3801483	1.7374547	1.3964240	1.3000000	1.4000000	9.9744572
6.6555760	5.0000000	2.3844196	1.7343423	1.3989300	1.3024996	1.4024996	9.9745483
6.6610299	5.0076520	2.3862435	1.7330167	1.4000000	1.3035669	1.4035669	9.9745870
6.7021667	5.0655559	2.4000000	1.7230833	1.4080709	1.3116174	1.4116174	9.9748764
6.7996215	5.2040540	2.4325881	1.7000000	1.4271902	1.3306893	1.4306893	9.9755426
7.0000000	5.4946623	2.4995866	1.6544335	1.4664980	1.3699035	1.4699035	9.9768316
7.00012365	5.4964799	2.5000000	1.6541599	1.46667405	1.3701455	1.4701455	9.9768392
7.0036305	5.5000000	2.5008004	1.6536305	1.4672101	1.3706140	1.4706140	9.9768540
7.1537885	5.7230308	2.5510016	1.6210887	1.4966630	1.4000000	1.5000000	9.9777530
7.1708025	5.7485801	2.5566894	1.6174823	1.5000000	1.4033296	1.5033296	9.9778516
7.2543675	5.8748891	2.5846249	1.6000000	1.5163896	1.4196834	1.5196834	9.978262
7.3003616	5.9449927	2.6000000	1.5905384	1.5254101	1.4286884	1.5286884	9.9785810
7.3362626	6.0000000	2.6120008	1.5832307	1.5324510	1.4357103	1.5357103	9.9787767
7.5000000	6.2540766	2.6667315	1.5507373	1.5645612	1.4677538	1.5677538	9.9796363
7.5995361	6.4110942	2.7000000	1.5316296	1.5840798	1.4872330	1.5872330	9.9801335
7.6553571	6.5000000	2.7186567	1.5211188	1.5950256	1.4981572	1.5981572	9.9804045
7.6647734	6.5150574	2.7218037	1.5193600	1.5968719	1.5000000	1.6000000	9.9804496
7.6807261	6.5406066	2.7271354	1.5163896	1.6000000	1.5031220	1.6031220	9.9805258
7.7698858	6.6843183	2.7569332	1.5000000	1.6174823	1.5205705	1.6205705	9.9809433
7.8987547	6.8947844	2.8000000	1.4769285	1.6427494	1.5457902	1.6457902	9.9815234
7.9624436	7.0000000	2.8212833	1.4657868	1.6552362	1.5582542	1.6582542	9.9818003
8.0000000	7.0622461	2.8338335	1.4592953	1.6625994	1.5656040	1.6656040	9.9819608
8.1757583	7.3581825	2.8925639	1.4296659	1.6970563	1.6000000	1.7000000	9.9826840
8.1907743	7.3937317	2.8975814	1.4271902	1.7000000	1.6029386	1.7029386	9.9827437
8.1980127	7.3960634	2.9000000	1.4259999	1.7014190	1.6043552	1.7043552	9.9827724
8.2587836	7.5000000	2.9203057	1.4160846	1.7133323	1.6162481	1.7162481	9.9830106
8.3591991	7.6733246	2.9538570	1.4000000	1.7330167	1.6358995	1.7358995	9.9833934
8.4973063	7.9149311	3.0000000	1.3784666	1.7600886	1.6629271	1.7629271	9.9838991
8.5000000	7.9196806	3.0009000	1.3780532	1.7606166	1.6634543	1.7634543	9.9839087
8.5454321	8.0000000	3.0160788	1.3711180	1.7695220	1.6723453	1.7723453	9.9840699
8.6867432	8.2524060	3.0632891	1.3499868	1.7972201	1.7000000	1.8000000	9.9845560
8.7009263	8.2779553	3.0680273	1.3479019	1.8000000	1.7027756	1.8027756	9.9846035

V	V*	H ρ	λ	p*	E*	W*	β									
8.8232819	6	3.11089028	4	1.3301798	-11	1.8239815	1	1.7267207	1	1.8267207	1	1.8267207	1	9.9850048	-	1
9.0000000	6	3.1679364	4	1.3053923	-11	1.8586163	1	1.7613045	1	1.7613045	1	1.7613045	1	9.9855573	-	1
9.0393373	7	3.1810768	4	1.3000000	-11	1.8663257	1	1.7690028	1	1.7690028	1	1.7690028	1	9.9856761	-	1
9.0930969	6	3.1990346	4	1.2927024	-11	1.8768615	1	1.7795236	1	1.7795236	1	1.7795236	1	9.9858361	-	1
9.0959869	6	3.2000000	4	1.2923124	-11	1.8774279	1	1.7800892	1	1.7800892	1	1.7800892	1	9.9858446	-	1
9.1977281	6	3.2339848	4	1.2787320	-11	1.8973666	1	1.8000000	1	1.8000000	1	1.8000000	1	9.9861400	-	1
9.2111658	6	3.2384733	4	1.2769597	-11	1.9000000	1	1.8026298	1	1.8026298	1	1.8026298	1	9.9861783	-	1
9.3555360	6	3.2866956	4	1.2582242	-11	1.9282919	1	1.8308831	1	1.8308831	1	1.8308831	1	9.9865801	-	1
9.5000000	7	3.3349474	4	1.2400195	-11	1.9566010	1	1.8591548	1	1.8591548	1	1.8591548	1	9.9869649	-	1
9.6111732	6	3.3720786	4	1.2263652	-11	1.9783857	1	1.8809114	1	1.8809114	1	1.8809114	1	9.9872498	-	1
9.6947738	6	3.4000000	4	1.2162941	-11	1.9947671	1	1.8972721	1	1.8972721	1	1.8972721	1	9.9874580	-	1
9.7087130	6	3.4046554	4	1.2146309	-11	1.9974984	1	1.9000000	1	1.9000000	1	1.9000000	1	9.9874922	-	1
9.7214796	6	3.4089192	4	1.2131117	-11	2.0000000	1	1.9024984	1	1.9024984	1	1.9024984	1	9.9875234	-	1
9.8330065	6	3.4461665	4	1.2000000	-11	2.0218528	1	1.9243243	1	1.9243243	1	1.9243243	1	9.9877911	-	1
1.0000000	7	3.5019365	4	1.1808894	-11	2.0545729	1	1.9570050	1	1.9570050	1	1.9570050	1	9.9881762	-	1
1.0103994	7	3.5366658	4	1.1692933	-11	2.0749484	1	1.9773567	1	1.9773567	1	1.9773567	1	9.9884069	-	1
1.0219698	7	3.5753047	4	1.1566566	-11	2.0976177	1	2.0000000	1	2.0000000	1	2.0000000	1	9.9886557	-	1
1.031857	7	3.5793652	4	1.1553445	-11	2.1000000	1	2.0023796	1	2.0023796	1	2.0023796	1	9.9886814	-	1
1.0293649	7	3.6000000	4	1.1487222	-11	2.1121064	1	2.0144723	1	2.0144723	1	2.0144723	1	9.9888105	-	1
1.0574929	7	3.6939270	4	1.1195131	-11	2.1672130	1	2.0695188	1	2.0695188	1	2.0695188	1	9.9893714	-	1
1.0730683	7	3.7459354	4	1.1039699	-11	2.1977261	1	2.1000000	1	2.1000000	1	2.1000000	1	9.9896641	-	1
1.0742290	7	3.7498112	4	1.1028288	-11	2.2000000	1	2.1022716	1	2.1022716	1	2.1022716	1	9.9896854	-	1
1.0771170	7	3.7594544	4	1.1000000	-11	2.2056576	1	2.1079234	1	2.1079234	1	2.1079234	1	9.9897382	-	1
1.0892599	7	3.8000000	4	1.0882631	-11	2.2294456	1	2.1316872	1	2.1316872	1	2.1316872	1	9.9899557	-	1
1.1000000	7	3.8338606	4	1.0780892	-11	2.2504849	1	2.1527055	1	2.1527055	1	2.1527055	1	9.9901423	-	1
1.1026657	7	3.8447611	4	1.0755934	-11	2.2557068	1	2.1579223	1	2.1579223	1	2.1579223	1	9.9901878	-	1
1.1241668	7	3.9165500	4	1.0558782	-11	2.2978251	1	2.2000000	1	2.2000000	1	2.2000000	1	9.9905437	-	1
1.1252771	7	3.9202571	4	1.0548797	-11	2.3000000	1	2.2021729	1	2.2021729	1	2.2021729	1	9.9905616	-	1
1.1461353	7	3.9898972	4	1.0364678	-11	2.3408575	1	2.2429925	1	2.2429925	1	2.2429925	1	9.9908877	-	1
1.1491613	7	4.0000000	4	1.0338500	-11	2.3467848	1	2.2489144	1	2.2489144	1	2.2489144	1	9.9909936	-	1
1.1752653	7	4.0871506	4	1.0118051	-11	2.3979158	1	2.3000000	1	2.3000000	1	2.3000000	1	9.9913157	-	1
1.1763293	7	4.0907031	4	1.0109264	-11	2.4000000	1	2.3020824	1	2.3020824	1	2.3020824	1	9.9913307	-	1
1.1880810	7	4.1299359	4	1.0013230	-11	2.4230178	1	2.3250804	1	2.3250804	1	2.3250804	1	9.9914944	-	1
1.1897176	7	4.1353998	4	1.0000000	-11	2.4262234	1	2.3282833	1	2.3282833	1	2.3282833	1	9.9915169	-	1
1.2000000	7	4.1697270	4	9.9176753	-12	2.4463630	1	2.3484060	1	2.3484060	1	2.3484060	1	9.9916558	-	1
1.2090681	7	4.2000000	4	9.8461901	-12	2.4641241	1	2.3661524	1	2.3661524	1	2.3661524	1	9.9917755	-	1
1.2263637	7	4.2577388	4	9.7126669	-12	2.4979992	1	2.4000000	1	2.4000000	1	2.4000000	1	9.9919968	-	1
1.2273853	7	4.2611491	4	9.7048936	-12	2.5000000	1	2.4019992	1	2.4019992	1	2.4019992	1	9.9920096	-	1
1.2286525	7	4.2653795	4	9.6952682	-12	2.5024820	1	2.4044792	1	2.4044792	1	2.4044792	1	9.9920254	-	1
1.2549157	7	4.3530524	4	9.5000000	-12	2.5539194	1	2.4558764	1	2.4558764	1	2.4558764	1	9.9923430	-	1

V	V*	H ρ	λ	p*	E*	W*	β						
1.2679768	7	4.3966525	4	9.4057918	-12	2.5794994	1	2.4814370	1	2.5814370	1	9.9924940	-1
1.2689796	7	4.4000000	4	9.3986360	-12	2.5814633	1	2.4833995	1	2.5833995	1	9.9925054	-1
1.2774622	7	4.4283160	4	9.3385382	-12	2.5980762	1	2.5000000	1	2.6000000	1	9.9926008	-1
1.2784445	7	4.4315950	4	9.3316285	-12	2.6000000	1	2.5019224	1	2.6019224	1	9.9926117	-1
1.3000000	7	4.5035485	4	9.1825364	-12	2.6422148	1	2.5441065	1	2.6441065	1	9.9928457	-1
1.3061622	7	4.5241181	4	9.1407865	-12	2.6542830	1	2.5561660	1	2.6561660	1	9.9929105	-1
1.3273639	7	4.5948887	4	9.0000000	-12	2.6958038	1	2.5976579	1	2.6976579	1	9.9931270	-1
1.3285607	7	4.5988835	4	8.9921822	-12	2.6981475	1	2.6000000	1	2.7000000	1	9.9931389	-1
1.3288952	7	4.6000000	4	8.9899996	-12	2.6988026	1	2.6006546	1	2.7006546	1	9.9931423	-1
1.3295067	7	4.6202040	4	8.9860126	-12	2.7000000	1	2.6018512	1	2.7018512	1	9.9931483	-1
1.3433023	7	4.6480895	4	8.8969883	-12	2.7270165	1	2.6288494	1	2.7288494	1	9.9932833	-1
1.3794785	7	4.7688392	4	8.6717115	-12	2.7978599	1	2.6996464	1	2.7996464	1	9.9936188	-1
1.3796592	7	4.7694425	4	8.6706151	-12	2.7982137	1	2.7000000	1	2.8000000	1	9.9936204	-1
1.3805714	7	4.7724869	4	8.6650836	-12	2.8000000	1	2.7017851	1	2.8017851	1	9.9936285	-1
1.3888144	7	4.8000000	4	8.6154163	-12	2.8161418	1	2.7179167	1	2.8179167	1	9.9937013	-1
1.4000000	7	4.8373345	4	8.5489227	-12	2.8380458	1	2.7398070	1	2.8398070	1	9.9937981	-1
1.4083416	7	4.8651763	4	8.5000000	-12	2.8543805	1	2.7561316	1	2.8561316	1	9.9938688	-1
1.4147622	7	4.8866061	4	8.4627239	-12	2.8669533	1	2.7686968	1	2.8686968	1	9.9939224	-1
1.4307577	7	4.9399933	4	8.3712660	-12	2.8982753	1	2.8000000	1	2.9000000	1	9.9940529	-1
1.4316384	7	4.9429329	4	8.3662876	-12	2.9000000	1	2.8017236	1	2.9017236	1	9.9940600	-1
1.4487367	7	5.0000000	4	8.2707997	-12	2.9334810	1	2.8351850	1	2.9351850	1	9.9941947	-1
1.4492163	7	5.0016008	4	8.2681525	-12	2.9344202	1	2.8361236	1	2.9361236	1	9.9941984	-1
1.4818562	7	5.1105373	4	8.0919081	-12	2.9983329	1	2.9000000	1	3.0000000	1	9.9944429	-1
1.4827076	7	5.1133789	4	8.0874113	-12	3.0000000	1	2.9016662	1	3.0016662	1	9.9944491	-1
1.4828968	7	5.1140104	4	8.0864127	-12	3.0003705	1	2.9020365	1	3.0020365	1	9.9944504	-1
1.4994481	7	5.1692498	4	8.0000000	-12	3.0327793	1	2.9344275	1	3.0344275	1	9.9945683	-1
1.5000000	7	5.1710917	4	7.9971504	-12	3.0338599	1	2.9355075	1	3.0355075	1	9.9945722	-1
1.5158535	7	5.2240017	4	7.9161534	-12	3.0649020	1	2.9665329	1	3.0665329	1	9.9946815	-1
1.5329547	7	5.2810750	4	7.8306024	-12	3.0983867	1	3.0000000	1	3.1000000	1	9.9947957	-1
1.5481312	7	5.3317244	4	7.7562146	-12	3.1281025	1	3.0297005	1	3.1297005	1	9.9948941	-1
1.5797701	7	5.4373133	4	7.6055941	-12	3.1900511	1	3.0916181	1	3.1916181	1	9.9950903	-1
1.5840532	7	5.4516069	4	7.5856530	-12	3.1984371	1	3.1000000	1	3.2000000	1	9.9951160	-1
1.5848514	7	5.4542708	4	7.5819481	-12	3.2000000	1	3.1015621	1	3.2015621	1	9.9951208	-1
1.5985540	7	5.5000000	4	7.5189088	-12	3.2268291	1	3.1283783	1	3.2283783	1	9.9952015	-1
1.6000000	7	5.5048255	4	7.5123178	-12	3.2296602	1	3.1312080	1	3.2312080	1	9.9952099	-1
1.6027091	7	5.5138664	4	7.5000000	-12	3.2349645	1	3.1365098	1	3.2365098	1	9.9952256	-1
1.6108069	7	5.5408905	4	7.4634210	-12	3.2508194	1	3.1523572	1	3.2523572	1	9.9952720	-1
1.6351517	7	5.6221336	4	7.3555701	-12	3.2984845	1	3.2000000	1	3.3000000	1	9.9954076	-1
1.6412745	7	5.6425667	4	7.3289339	-12	3.3104725	1	3.2119825	1	3.3119825	1	9.9954408	-1
1.6712033	7	5.7424429	4	7.2014644	-12	3.3690695	1	3.2705532	1	3.3705532	1	9.9955979	-1

V	V*	H ρ	λ	P*	E*	W*	β						
1.6862501	7	5.7926556	4	7.1390397	-12	3.3985291	1	3.4000000	1	3.4000000	1	9.9956738	-1
1.6870014	7	5.7951627	4	7.1359512	-12	3.4000000	1	3.3014703	1	3.4014703	1	9.9956775	-1
1.7000000	7	5.8385398	4	7.0829350	-12	3.4254492	1	3.3269085	1	3.4269085	1	9.9957415	-1
1.7006208	7	5.8406114	4	7.0804228	-12	3.4266646	1	3.3281234	1	3.4281234	1	9.9957445	-1
1.7207292	7	5.9077140	4	7.0000000	-12	3.4660334	1	3.3674757	1	3.4674757	1	9.9958406	-1
1.7373486	7	5.9631732	4	6.9348980	-12	3.4985711	1	3.4000000	1	3.5000000	1	9.9959175	-1
1.7483846	7	6.0000000	4	6.8923330	-12	3.5201773	1	3.4215974	1	3.5215974	1	9.9959675	-1
1.7580213	7	6.0321575	4	6.8555899	-12	3.5390440	1	3.4404565	1	3.5404565	1	9.9960103	-1
1.7884471	7	6.1336869	4	6.7421111	-12	3.5986108	1	3.5000000	1	3.6000000	1	9.9961412	-1
1.7891567	7	6.1360546	4	6.7395094	-12	3.6000000	1	3.5013886	1	3.6013886	1	9.9961442	-1
1.8000000	7	6.1722378	4	6.7000008	-12	3.6212285	1	3.5226090	1	3.6226090	1	9.9961893	-1
1.8136557	7	6.2178057	4	6.6508991	-12	3.6479630	1	3.5493334	1	3.6493334	1	9.9962449	-1
1.8395456	7	6.3041969	4	6.5597568	-12	3.6986484	1	3.6000000	1	3.7000000	1	9.9963470	-1
1.8569143	7	6.36221536	4	6.5000000	-12	3.7326514	1	3.6339907	1	3.7339907	1	9.9964132	-1
1.8676778	7	6.39800692	4	6.4635122	-12	3.7537230	1	3.6550547	1	3.7550547	1	9.9964534	-1
1.8906441	7	6.4747035	4	6.3870104	-12	3.7986840	1	3.7000000	1	3.8000000	1	9.9965368	-1
1.8913163	7	6.4769466	4	6.3847984	-12	3.8000000	1	3.7013156	1	3.8013156	1	9.9965392	-1
1.8982252	7	6.5000000	4	6.3621536	-12	3.8135254	1	3.7148363	1	3.8148363	1	9.9965637	-1
1.9000000	7	6.5059221	4	6.3563624	-12	3.8169998	1	3.7183095	1	3.8183095	1	9.9965699	-1
1.9202199	7	6.5733913	4	6.2911208	-12	3.8565837	1	3.7578800	1	3.8578800	1	9.9966399	-1
1.9417426	7	6.6452070	4	6.2231317	-12	3.8987177	1	3.8000000	1	3.9000000	1	9.9967121	-1
1.9713975	7	6.7441571	4	6.1318260	-12	3.9567714	1	3.8580349	1	3.9580349	1	9.9968079	-1
1.9928411	7	6.8170706	4	6.0674549	-12	3.9987498	1	3.9000000	1	4.0000000	1	9.9968745	-1
1.9934797	7	6.8178385	4	6.0655585	-12	4.0000000	1	3.9012498	1	4.0012498	1	9.9968765	-1
2.0000000	7	6.8395946	4	6.0462646	-12	4.0127642	1	3.9140100	1	4.0140100	1	9.9968963	-1
2.0158058	7	6.8923330	4	6.0000000	-12	4.0437057	1	3.9449420	1	4.0449420	1	9.9969436	-1
2.0213117	7	6.9107046	4	5.9840495	-12	4.0544842	1	3.9557172	1	4.0557172	1	9.9969598	-1
2.0439396	7	6.9862055	4	5.9193790	-12	4.0987803	1	4.0000000	1	4.1000000	1	9.9970251	-1
2.0480738	7	7.0000000	4	5.9077140	-12	4.1068735	1	4.0080908	1	4.1080908	1	9.9970368	-1
2.0700517	7	7.0733317	4	5.8464667	-12	4.1498969	1	4.0511016	1	4.1511016	1	9.9970979	-1
2.0950381	7	7.1567010	4	5.7783605	-12	4.1988094	1	4.1000000	1	4.2000000	1	9.9971651	-1
2.0956463	7	7.1587304	4	5.7767224	-12	4.2000000	1	4.1011903	1	4.2011903	1	9.9971667	-1
2.1000000	7	7.1732569	4	5.7650240	-12	4.2085226	1	4.1097105	1	4.2097105	1	9.9971782	-1
2.1176966	7	7.2323028	4	5.7179573	-12	4.2431646	1	4.1443428	1	4.2443428	1	9.9972241	-1
2.1461366	7	7.3271942	4	5.6439064	-12	4.2988370	1	4.2000000	1	4.3000000	1	9.9972950	-1
2.1643171	7	7.3878540	4	5.5975657	-12	4.3344259	1	4.2355793	1	4.3355793	1	9.9973397	-1
2.1972350	7	7.4976852	4	5.5155688	-12	4.3988635	1	4.3000000	1	4.4000000	1	9.9974170	-1
2.1978156	7	7.4996223	4	5.5141441	-12	4.4000000	1	4.3011362	1	4.4011362	1	9.9974184	-1
2.1979288	7	7.5000000	4	5.5138664	-12	4.4002216	1	4.3013577	1	4.4013577	1	9.9974186	-1
2.2000000	7	7.5069105	4	5.5087997	-12	4.4042759	1	4.3054110	1	4.4054110	1	9.9974234	-1

V	V^*	$H\rho$	λ	p^*	E^*	W^*	β									
2.2035961	7	4.9718070	8	7.5189088	4	5.5000000	-12	4.4113153	1	4.3124486	1	4.4124486	1	9.9974316	-	1
2.2099765	7	5.0000000	8	7.5401969	4	5.4844719	-12	4.4238049	1	4.3249350	1	4.4249350	1	9.9974461	-	1
2.2483335	7	5.1711671	8	7.6681742	4	5.3929393	-12	4.4988888	1	4.4000000	1	4.5000000	1	9.9975306	-	1
2.2994320	7	5.4036652	8	7.8386614	4	5.2756455	-12	4.5989129	1	4.5000000	1	4.6000000	1	9.9976368	-	1
2.2999874	7	5.4062202	8	7.84055143	4	5.2743987	-12	4.6000000	1	4.5010868	1	4.6000000	1	9.9976379	-	1
2.3000000	7	5.4062783	8	7.8405564	4	5.2743704	-12	4.6000247	1	4.5011115	1	4.6011115	1	9.9976379	-	1
2.3202819	7	5.5000000	8	7.9082252	4	5.2292388	-12	4.6397258	1	4.5408033	1	4.6408033	1	9.9976781	-	1
2.3477890	7	5.6283955	8	8.0000000	4	5.1692498	-12	4.6935697	1	4.5946348	1	4.6946348	1	9.9977311	-	1
2.3505305	7	5.6412732	8	8.0091468	4	5.1633463	-12	4.6989360	1	4.6000000	1	4.7000000	1	9.9977363	-	1
2.4000000	7	5.8761744	8	8.1741956	4	5.0590909	-12	4.7957696	1	4.6968120	1	4.7968120	1	9.9978267	-	1
2.4016290	7	5.8839910	8	8.1796305	4	5.0557294	-12	4.7989582	1	4.7000000	1	4.8000000	1	9.9978296	-	1
2.4021612	7	5.8865460	8	8.1814062	4	5.0546321	-12	4.8000000	1	4.7010416	1	4.8010416	1	9.9978306	-	1
2.4256796	7	6.0000000	8	8.2598719	4	5.0066150	-12	4.8460355	1	4.7470672	1	4.8470672	1	9.9978716	-	1
2.4289550	7	6.0158865	8	8.2707997	4	5.0000000	-12	4.8524468	1	4.7534771	1	4.8534771	1	9.9978772	-	1
2.4527275	7	6.1318187	8	8.3501127	4	4.9525078	-12	4.8989795	1	4.8000000	1	4.9000000	1	9.9979173	-	1
2.4976534	7	6.3539308	8	8.5000000	4	4.8651763	-12	4.9869178	1	4.8879203	1	4.9879203	1	9.9979901	-	1
2.5000000	7	6.3656407	8	8.5078289	4	4.8606994	-12	4.9915109	1	4.8925125	1	4.9925125	1	9.9979938	-	1
2.5038260	7	6.3847562	8	8.5205935	4	4.8534176	-12	4.9989999	1	4.9000000	1	5.0000000	1	9.9979998	-	1
2.5043369	7	6.3873112	8	8.5222981	4	4.8524468	-12	5.0000000	1	4.9009999	1	5.0009999	1	9.9980006	-	1
2.5267717	7	6.5000000	8	8.5971472	4	4.8102001	-12	5.0439137	1	4.9449049	1	5.0449049	1	9.9980352	-	1
2.5322476	7	6.5276546	8	8.6154163	4	4.8000000	-12	5.0546321	1	4.9556212	1	5.0556212	1	9.9980436	-	1
2.5549245	7	6.6428036	8	8.6910729	4	4.7582156	-12	5.0990195	1	5.0000000	1	5.1000000	1	9.9980775	-	1
2.6000000	7	6.8746770	8	8.8414569	4	4.6772833	-12	5.1872492	1	5.0882130	1	5.1882130	1	9.9981423	-	1
2.6240463	7	7.0000000	8	8.9216813	4	4.6352248	-12	5.2343166	1	5.1352717	1	5.2352717	1	9.9981756	-	1
2.6445239	7	7.1076163	8	8.9899996	4	4.6000000	-12	5.2739987	1	5.1753466	1	5.2753466	1	9.9982032	-	1
2.6475214	7	7.1234380	8	9.0000000	4	4.5948887	-12	5.2802659	1	5.1812127	1	5.2812127	1	9.9982072	-	1
2.7000000	7	7.4032833	8	9.1750802	4	4.5072084	-12	5.3829848	1	5.2839135	1	5.3839135	1	9.9982749	-	1
2.7179057	7	7.5000000	8	9.2348175	4	4.4780526	-12	5.4180324	1	5.3189552	1	5.4189552	1	9.9982971	-	1
2.7593184	7	7.7260916	8	9.3729783	4	4.4120446	-12	5.4990908	1	5.4000000	1	5.5000000	1	9.9983470	-	1
2.7597829	7	7.7286465	8	9.3745279	4	4.4113153	-12	5.5000000	1	5.4009090	1	5.5009090	1	9.9983475	-	1
2.7670091	7	7.7684484	8	9.3986360	4	4.4000000	-12	5.5141441	1	5.4150508	1	5.5150508	1	9.9983560	-	1
2.7973924	7	7.9369170	8	9.5000000	4	4.3530524	-12	5.5736140	1	5.4745110	1	5.5745110	1	9.9983909	-	1
2.8000000	7	7.9514597	8	9.5086993	4	4.3490699	-12	5.5787179	1	5.4796140	1	5.5796140	1	9.9983938	-	1
2.8086864	7	8.0000000	8	9.5376785	4	4.3358558	-12	5.5957198	1	5.4966133	1	5.5966133	1	9.9984036	-	1
2.8104169	7	8.0096882	8	9.54394519	4	4.3332327	-12	5.5991071	1	5.5000000	1	5.6000000	1	9.9984055	-	1
2.8966726	7	8.5000000	8	9.8312140	4	4.2063980	-12	5.7679360	1	5.6688028	1	5.7688028	1	9.9984974	-	1
2.9000000	7	8.5192061	8	9.8423147	4	4.2016537	-12	5.7744487	1	5.6753145	1	5.7753145	1	9.9985008	-	1
2.9011616	7	8.5259162	8	9.8461901	4	4.2000000	-12	5.7767224	1	5.6775879	1	5.7775879	1	9.9985020	-	1
2.9472660	7	8.7943679	8	1.0000000	5	4.1353998	-12	5.8669621	1	5.7678143	1	5.8678143	1	9.9985477	-	1
2.9821076	7	9.0000000	8	1.0116236	5	4.0878840	-12	5.9351571	1	5.8359995	1	5.9359995	1	9.9985809	-	1

V	V^*	$H\rho$	λ	P^*	E^*	W^*	β						
3.000000	7	9.1065226	8	1.0175927	5	4.0639049	-12	5.9710150	1	5.8710150	1	9.9985975	-1
3.0148109	7	9.1951732	8	1.0225337	5	4.0442674	-12	5.9991666	1	5.9000000	1	9.9986110	-1
3.0152367	7	9.1977281	8	1.0226758	5	4.0437057	-12	6.0000000	1	5.9008333	1	9.9986114	-1
3.0487315	7	9.3998226	8	1.0338500	5	4.0000000	-12	6.0655585	1	5.9663828	1	9.9986412	-1
3.0652012	7	9.5000000	8	1.0393444	5	3.9788541	-12	6.0977793	1	5.9986142	1	9.9986556	-1
3.0659094	7	9.5003190	8	1.0395807	5	3.9779500	-12	6.0991803	1	6.0000000	1	9.9986562	-1
3.1461361	7	1.0663449	9	3.8781073	-12	3.8781073	-12	6.2562049	1	6.1570041	1	9.9987228	-1
3.2000000	9	1.0843142	5	3.8138391	-12	3.8138391	-12	6.3616301	1	6.2624160	1	9.9987648	-1
3.2118372	7	1.09415316	9	1.0882631	5	3.8000000	-12	6.3847984	1	6.2855815	1	9.9987737	-1
3.2470193	7	1.0641185	9	1.1000000	5	3.7594544	-12	6.4536583	1	6.3544330	1	9.9987997	-1
3.2703033	7	1.0792001	9	1.1077676	5	3.7330932	-12	6.4922307	1	6.4000000	1	9.9988165	-1
3.2706964	7	1.0794556	9	1.1078988	5	3.7326514	-12	6.5000000	1	6.4007692	1	9.9988168	-1
3.3021505	7	1.1000000	9	1.1183919	5	3.6976302	-12	6.5615631	1	6.4623251	1	9.9988389	-1
3.3214018	7	1.1126696	9	1.1248142	5	3.6765181	-12	6.5992424	1	6.5000000	1	9.9988521	-1
3.3930681	7	1.1604719	9	1.1487222	5	3.6000000	-12	6.7395094	1	6.6402513	1	9.9988994	-1
3.4000000	7	1.1651489	9	1.1510347	5	3.5927674	-12	6.7530767	1	6.6538171	1	9.9989038	-1
3.4512220	7	1.2000000	9	1.1681223	5	3.5402114	-12	6.8533291	1	6.7540587	1	9.9989356	-1
3.5257958	7	1.2516575	9	1.1930000	5	3.4663872	-12	6.9992857	1	6.9000000	1	9.9989795	-1
3.5261607	7	1.2519130	9	1.1931217	5	3.4660334	-12	7.0000000	1	6.9007143	1	9.9989797	-1
3.5467792	7	1.2663890	9	1.2000000	5	3.4461665	-12	7.0403545	1	6.9410647	1	9.9989914	-1
3.5768943	7	1.2876819	9	1.2100463	5	3.4175551	-12	7.0992957	1	7.0000000	1	9.9990081	-1
3.5942024	7	1.3000000	9	1.2158202	5	3.4013251	-12	7.1331711	1	7.0338721	1	9.9990175	-1
3.5956228	7	1.3010135	9	1.2162941	5	3.4000000	-12	7.1335912	1	7.0366518	1	9.9990182	-1
3.6000000	7	1.3041392	9	1.2177543	5	3.3959230	-12	7.1445183	1	7.0452181	1	9.9990206	-1
3.7317824	7	1.4000000	9	1.2617163	5	3.2775989	-12	7.4024415	1	7.3031169	1	9.9990876	-1
3.7812882	7	1.4368895	9	1.2782311	5	3.2352521	-12	7.4993333	1	7.4000000	1	9.9991111	-1
3.7816289	7	1.4371450	9	1.2783447	5	3.2349645	-12	7.5000000	1	7.4006666	1	9.9991112	-1
3.8000000	7	1.4509576	9	1.2844732	5	3.2195299	-12	7.5359556	1	7.4366191	1	9.9991197	-1
3.8234994	7	1.4687223	9	1.2923124	5	3.2000000	-12	7.5819481	1	7.4826076	1	9.9991303	-1
3.8323867	7	1.4754689	9	1.2952772	5	3.1926756	-12	7.5993421	1	7.5000000	1	9.9991343	-1
3.8465442	7	1.4862482	9	1.3000000	5	3.1810768	-12	7.6270507	1	7.5277063	1	9.9991406	-1
3.8645315	7	1.5000000	9	1.3060004	5	3.1664613	-12	7.6622549	1	7.5629074	1	9.9991485	-1
3.9929252	7	1.6000000	9	1.3488314	5	3.0659130	-12	7.9135429	1	7.8141747	1	9.9992017	-1
4.0000000	7	1.6056040	9	1.3511915	5	3.0605579	-12	7.9273894	1	7.8280201	1	9.9992045	-1
4.0367807	7	1.6348962	9	1.3634612	5	3.0330162	-12	7.9993750	1	7.9000000	1	9.9992187	-1
4.0371000	7	1.6351517	9	1.3635677	5	3.0327793	-12	8.0000000	1	7.9006250	1	9.9992188	-1
4.0817624	7	1.6710796	9	1.3784666	5	3.0000000	-12	8.0874113	1	7.9880296	1	9.9992356	-1
4.0878791	7	1.6760305	9	1.3805071	5	2.9955658	-12	8.0993827	1	8.0000000	1	9.9992379	-1
4.1173661	7	1.7000000	9	1.3903436	5	2.9743725	-12	8.1570933	1	8.0577062	1	9.9992486	-1
4.1463132	7	1.7236961	9	1.4000000	5	2.9538570	-12	8.2137469	1	8.1143556	1	9.9992590	-1

V	V*	H ρ	λ	P*	E*	W*	β								
4.200000	7	1.7680784	9	1.4179093	5	2.9165475	-12	8.3188200	1	8.2194211	1	8.3194211	1	9.9992776	-1
4.2242535	7	1.7883135	9	1.4259999	5	2.9000000	-12	8.3662876	1	8.2668852	1	8.3668852	1	9.9992857	-1
4.2381983	7	1.8000000	9	1.4306518	5	2.8905705	-12	8.3935797	1	8.2941754	1	8.3941754	1	9.9992904	-1
4.2922731	7	1.8456774	9	1.4486904	5	2.8545780	-12	8.4994117	1	8.4000000	1	8.5000000	1	9.9993079	-1
4.2925737	7	1.8459329	9	1.4487907	5	2.8543805	-12	8.5000000	1	8.4000000	1	8.5000000	1	9.9993080	-1
4.3433716	7	1.8893666	9	1.4657362	5	2.8213807	-12	8.5994186	1	8.5000000	1	8.6000000	1	9.9993239	-1
4.3557186	7	1.9000000	9	1.4698550	5	2.8134747	-12	8.6235834	1	8.5241632	1	8.6241632	1	9.9993277	-1
4.3769232	7	1.9183311	9	1.4769285	5	2.8000000	-12	8.6650836	1	8.5656606	1	8.6656606	1	9.9993341	-1
4.4000000	7	1.9383809	9	1.4846266	5	2.7854814	-12	8.7102480	1	8.6108221	1	8.7108221	1	9.9993410	-1
4.4460853	7	1.9787328	9	1.5000000	5	2.7569332	-12	8.8000431	1	8.7010113	1	8.8010113	1	9.9993545	-1
4.4701853	7	1.5080394	9	1.5080394	5	2.7422360	-12	8.87481750	1	8.7481750	1	8.8481750	1	9.9993613	-1
4.5409025	7	2.0630612	9	1.5316296	5	2.7000000	-12	8.9860126	1	8.8865690	1	8.9865690	1	9.9993808	-1
4.5477656	7	2.0692333	9	1.5339190	5	2.6959702	-12	8.9994444	1	8.9000000	1	9.0000000	1	9.9993827	-1
4.5480494	7	2.0694888	9	1.5340137	5	2.6958038	-12	9.0000000	1	8.9005555	1	9.0005555	1	9.9993828	-1
4.5818246	7	2.1000000	9	1.5452805	5	2.6761483	-12	9.0661023	1	8.96666538	1	9.06666538	1	9.9993917	-1
4.5988640	7	2.1154775	9	1.5509646	5	2.6663406	-12	9.0994505	1	9.0000000	1	9.1000000	1	9.9993962	-1
4.6000000	7	2.1165113	9	1.5513435	5	2.6656893	-12	9.1016737	1	9.0022231	1	9.1022231	1	9.9993965	-1
4.6908364	7	2.2000000	9	1.5816450	5	2.6146194	-12	9.2794515	1	9.1799903	1	9.2799903	1	9.9994194	-1
4.7174965	7	2.2248101	9	1.5905384	5	2.6000000	-12	9.3316285	1	9.2321643	1	9.3321643	1	9.9994259	-1
4.7458601	7	2.2513582	9	1.6000000	5	2.5846249	-12	9.3871393	1	9.2876720	1	9.3876720	1	9.9994326	-1
4.7973978	7	2.3000000	9	1.6171921	5	2.5571482	-12	9.4880046	1	9.3885315	1	9.4885315	1	9.9994446	-1
4.8000000	7	2.3024698	9	1.6180601	5	2.557764	-12	9.4930974	1	9.3936241	1	9.4936241	1	9.9994452	-1
4.8032580	7	2.3055638	9	1.6191469	5	2.5540609	-12	9.4994737	1	9.4000000	1	9.5000000	1	9.9994460	-1
4.8035269	7	2.3058193	9	1.6192366	5	2.5539194	-12	9.5000000	1	9.4005263	1	9.5005263	1	9.9994460	-1
4.8543565	7	2.3543629	9	1.6361925	5	2.5274532	-12	9.5994791	1	9.5000000	1	9.6000000	1	9.9994574	-1
4.9016670	7	2.4000000	9	1.6519744	5	2.5033075	-12	9.6920710	1	9.5925869	1	9.6925869	1	9.9994678	-1
4.9082188	7	2.4063546	9	1.6541599	5	2.5000000	-12	9.7048936	1	9.6054088	1	9.7054088	1	9.9994692	-1
5.0000000	7	2.4962563	9	1.6847764	5	2.4545689	-12	9.8845192	1	9.7850251	1	9.8850251	1	9.9994883	-1
5.0037859	7	2.5000000	9	1.6860393	5	2.4527304	-12	9.8919286	1	9.7924340	1	9.8924340	1	9.9994891	-1
5.0456370	7	2.5415723	9	1.7000000	5	2.4325881	-12	9.9738356	1	9.8743369	1	9.9743369	1	9.9994974	-1
5.0587504	7	2.5446690	9	1.7043744	5	2.4263447	-12	9.9995000	1	9.9000000	1	1.0000000	2	9.9995000	-1
5.0900059	7	2.5549245	9	1.7044596	5	2.4262234	-12	1.0000000	2	9.9005000	2	1.0005000	2	9.9995000	-1
5.1038822	7	2.6000000	9	1.7194294	5	2.4051000	-12	1.0087827	1	9.9883230	1	1.0088323	2	9.9995087	-1
5.1098489	7	2.6060230	9	1.7214198	5	2.4023191	-12	1.0099505	2	1.0000000	2	1.0100000	2	9.9995098	-1
5.1148355	7	2.6110618	9	1.7230833	5	2.4000000	-12	1.0109264	2	1.0009759	2	1.0109759	2	9.9995108	-1
5.2020715	7	2.7000000	9	1.7521834	5	2.3601409	-12	1.0279994	2	1.0180480	2	1.0280480	2	9.9995269	-1
5.2984590	7	2.8000000	9	1.7843363	5	2.3176124	-12	1.0369111	2	1.0469111	2	1.0469111	2	9.9995438	-1
5.3394198	7	2.8430465	9	1.7979999	5	2.3000000	-12	1.0548797	2	1.0449271	2	1.0549271	2	9.9995507	-1
5.3454156	7	2.8493752	9	1.8000000	5	2.2974443	-12	1.0560532	2	1.0461005	2	1.0561005	2	9.9995517	-1
5.3931402	7	2.9000000	9	1.8159199	5	2.2773030	-12	1.0653933	2	1.0554402	2	1.0654402	2	9.9995595	-1

V	V*	H ρ	λ	p*	E*	W*	β						
5.4862027	7	1.8469635	5	2.2390263	-12	1.0836065	2	1.0736526	2	1.0836526	2	9.9995742	-1
5.5000000	7	1.8515660	5	2.2334607	-12	1.0863067	2	1.0763528	2	1.0863528	2	9.9995763	-1
5.5697353	7	1.8748281	5	2.2057488	-12	1.0999545	2	1.0900000	2	1.1000000	2	9.9995868	-1
5.5699676	7	1.8749056	5	2.2056576	-12	1.1100000	2	1.0900455	2	1.1000455	2	9.9995868	-1
5.5844218	7	1.8797272	5	2.2000000	-12	1.1028288	2	1.0928742	2	1.1028742	2	9.9995889	-1
5.6208338	7	1.8918734	5	2.1858756	-12	1.1099550	2	1.1000000	2	1.1100000	2	9.9995942	-1
5.6451958	7	1.9000000	5	2.1765262	-12	1.1147228	2	1.1047677	2	1.1147677	2	9.9995976	-1
5.6677864	7	1.9075357	5	2.1679279	-12	1.1191440	2	1.1091886	2	1.1191886	2	9.9996008	-1
5.8437793	7	1.9662428	5	2.1031990	-12	1.1535872	2	1.1436305	2	1.1536305	2	9.9996243	-1
5.8527584	7	1.9692380	5	2.1000000	-12	1.1553445	2	1.1453878	2	1.1553878	2	9.9996254	-1
5.9449772	7	2.0000000	5	2.0676999	-12	1.1733924	2	1.1634350	2	1.1734350	2	9.9996369	-1
6.0000000	7	2.0183542	5	2.0488969	-12	1.1841608	2	1.1742030	2	1.1842030	2	9.9996434	-1
6.0146680	7	2.0232471	5	2.0439420	-12	1.1870314	2	1.1770735	2	1.1870735	2	9.9996452	-1
6.0807202	7	2.0452805	5	2.0219230	-12	1.1999583	2	1.1900000	2	1.2000000	2	9.9996528	-1
6.0809331	7	2.0453515	5	2.0218528	-12	1.2000000	2	1.1900417	2	1.2000417	2	9.9996528	-1
6.1318187	7	2.0623257	5	2.0052118	-12	1.2099587	2	1.2000000	2	1.2100000	2	9.9996585	-1
6.1479297	7	2.0676999	5	2.0000000	-12	1.2131117	2	1.2031529	2	1.2131529	2	9.9996603	-1
6.1808725	7	2.0786888	5	1.9894271	-12	1.2195589	2	1.2095999	2	1.2195999	2	9.9996638	-1
6.24447598	7	2.1000000	5	1.9692380	-12	1.2320620	2	1.2221026	2	1.2321026	2	9.9996706	-1
6.3427581	7	2.1326897	5	1.9390536	-12	1.2512410	2	1.2412809	2	1.2512809	2	9.9996806	-1
6.4741727	7	2.1765262	5	1.9000000	-12	1.2769597	2	1.2669988	2	1.2769988	2	9.9996934	-1
6.5000000	7	2.1851415	5	1.8925089	-12	1.2820143	2	1.2720533	2	1.2820533	2	9.9996958	-1
6.5006450	7	2.1853567	5	1.8923226	-12	1.2821405	2	1.2721795	2	1.2821795	2	9.9996959	-1
6.5445433	7	2.2000000	5	1.8797272	-12	1.2907317	2	1.2807704	2	1.2907704	2	9.9996999	-1
6.5917051	7	2.2157320	5	1.86663809	-12	1.2999615	2	1.2900000	2	1.3000000	2	9.9997041	-1
6.5919017	7	2.2157975	5	1.8663257	-12	1.3000000	2	1.2900385	2	1.3000385	2	9.9997042	-1
6.6428036	7	2.2327771	5	1.8521329	-12	1.3099618	2	1.3000000	2	1.3100000	2	9.9997086	-1
6.6548154	7	2.2367839	5	1.8488151	-12	1.3123126	2	1.3023507	2	1.3123507	2	9.9997097	-1
6.8055203	7	2.2870550	5	1.8081768	-12	1.3418065	2	1.3318437	2	1.3418437	2	9.9997223	-1
6.8366661	7	2.2974443	5	1.8000000	-12	1.3479019	2	1.3379390	2	1.3479390	2	9.9997248	-1
6.8443275	7	2.3000000	5	1.7979999	-12	1.3494013	2	1.3394383	2	1.3494383	2	9.9997254	-1
6.9529832	7	2.3362446	5	1.7701057	-12	1.3706658	2	1.3607023	2	1.3707023	2	9.9997339	-1
7.0000000	7	2.3519281	5	1.7583020	-12	1.3798673	2	1.3799035	2	1.3799035	2	9.9997374	-1
7.0974049	7	2.3844196	5	1.7343423	-12	1.3989300	2	1.3889657	2	1.3989657	2	9.9997445	-1
7.1026900	7	2.3861826	5	1.7330609	-12	1.3999643	2	1.3900000	2	1.4000000	2	9.9997449	-1
7.1028725	7	2.3862435	5	1.7330167	-12	1.4000000	2	1.3900357	2	1.4000357	2	9.9997449	-1
7.1441126	7	2.4000000	5	1.7230833	-12	1.4080709	2	1.3981064	2	1.4081064	2	9.9997478	-1
7.1537885	7	2.4032276	5	1.7207691	-12	1.4099645	2	1.4000000	2	1.4100000	2	9.9997485	-1
7.2418070	7	2.4325881	5	1.7000000	-12	1.4271902	2	1.4172533	2	1.4272533	2	9.9997545	-1
7.4438982	7	2.5000000	5	1.6541599	-12	1.4667746	2	1.4567746	2	1.4667746	2	9.9997676	-1

V	V*	H _p	λ	p*	E*	W*	β
7.4462977	7	2.5008004	1.6536305	1.4672101	1.4572442	1.4672442	9.9997677
7.5000000	7	2.5187139	1.6418696	1.4777199	1.4677538	1.4777538	9.9997710
7.61136749	9	2.5566326	1.6175182	1.4999667	1.4900000	1.5000000	9.9997778
7.6138452	7	2.5566894	1.6174823	1.5000000	1.4900033	1.5000333	9.9997778
7.6647734	7	2.5753676	1.6068057	1.5099669	1.5000000	1.5100000	9.9997807
7.6975919	7	2.5846249	1.6000000	1.5163896	1.5064226	1.5164226	9.9997826
7.7436844	7	2.6000000	1.5905384	1.5254101	1.5154429	1.5254429	9.9997851
7.7796613	7	2.6120008	1.5832307	1.5324510	1.5224836	1.5324836	9.9997871
8.0000000	7	2.6854993	1.5398998	1.5755723	1.5656040	1.5756040	9.9997986
8.0434711	7	2.7000000	1.53316296	1.5840798	1.5741113	1.5841113	9.9998007
8.0994013	7	2.7186567	1.5211188	1.5950256	1.5850569	1.5950569	9.9998035
8.1246598	7	2.7270821	1.5164192	1.5999687	1.5900000	1.6000000	9.9998047
8.1248195	7	2.7271354	1.5163896	1.6000000	1.5900312	1.6000312	9.9998047
8.1757583	7	2.7441271	1.5070001	1.6099689	1.6000000	1.6100000	9.9998071
8.2141495	7	2.7569332	1.5000000	1.6174823	1.6075132	1.6175132	9.9998089
8.3432582	7	2.8000000	1.4769285	1.6427494	1.6327798	1.6427798	9.9998147
8.4070630	7	2.8212833	1.4657868	1.6552362	1.6452665	1.6552665	9.9998175
8.5000000	7	2.8522843	1.4498554	1.6734244	1.6634543	1.6734543	9.9998270
8.6356447	7	2.8975312	1.4272149	1.6999706	1.6900000	1.7000000	9.9998270
8.6357950	7	2.8975814	1.4271902	1.7000000	1.6900294	1.7000294	9.9998270
8.6430458	7	2.9000000	1.4259999	1.7014190	1.6914484	1.7014484	9.9998273
8.6867432	7	2.9145761	1.4188684	1.7099708	1.7000000	1.7100000	9.9998290
8.7039198	7	2.9203057	1.4160846	1.7133323	1.7033615	1.7133615	9.9998297
8.8045026	7	2.9538570	1.4000000	1.7330167	1.7230456	1.7330456	9.9998335
8.9428337	7	3.0000000	1.3784666	1.7600886	1.7501170	1.7601170	9.9998386
8.9910359	7	3.0160788	1.3711180	1.7695220	1.7595502	1.7695502	9.9998403
9.0000000	7	3.0190689	1.3697600	1.7712763	1.7613045	1.7713045	9.9998406
9.1466296	7	3.0679808	1.349227	1.7999722	1.7900000	1.8000000	9.9998457
9.1467715	7	3.0680273	1.349019	1.8000000	1.7900278	1.8000278	9.9998457
9.1977281	7	3.0850248	1.3404754	1.8099724	1.8000000	1.8100000	9.9998474
9.2693115	7	3.1089028	1.3301798	1.8239815	1.8140089	1.8240089	9.9998497
9.4856808	7	3.1810768	1.3000000	1.8663257	1.8563525	1.8663525	9.9998569
9.5000000	7	3.1858532	1.2980510	1.8691280	1.8591548	1.8691548	9.9998569
9.5395163	7	3.1990346	1.2927024	1.8768615	1.8668881	1.8768881	9.9998581
9.5424104	7	3.2000000	1.2923124	1.8774279	1.8674545	1.8774545	9.9998581
9.6576145	7	3.2384284	1.2769774	1.8999737	1.8900000	1.9000000	9.9998615
9.6577490	7	3.2384733	1.2769597	1.9000000	1.8900263	1.9000263	9.9998615
9.7087130	7	3.2554733	1.2702914	1.9099738	1.9000000	1.9100000	9.9998629
9.8023142	7	3.2866956	1.2582242	1.9282919	1.9183178	1.9283178	9.9998655
1.0000000	8	3.3526373	1.2334766	1.9669796	1.9570050	1.9670050	9.9998708

V	V*	H ρ	λ	p*	E*	W*	β								
1.0058283	8	1.0000000	10	3.3720786	5	1.2263652	-12	1.9783857	2	1.9684110	2	1.9784110	2	9.9998723	-1
1.0141988	8	1.0166289	10	3.4000000	5	1.2162941	-12	1.9947671	2	1.9847922	2	1.9947922	2	9.9998743	-1
1.0168599	8	1.0219442	10	3.4088766	5	1.2131269	-12	1.9999750	2	1.9900000	2	2.0000000	2	9.9998750	-1
1.0168727	8	1.0219698	10	3.4089192	5	1.2131117	-12	2.0000000	2	1.9900250	2	2.0000250	2	9.9998750	-1
1.0219698	8	1.0321895	10	3.4259214	5	1.2070913	-12	2.0099751	2	2.0000000	2	2.0100000	2	9.9998762	-1
1.0280390	8	1.0444247	10	3.4461665	5	1.2000000	-12	2.0218528	2	2.0118776	2	2.0218776	2	9.9998777	-1
1.0551698	8	1.1000000	10	3.5366658	5	1.1692933	-12	2.0749484	2	2.0649725	2	2.0749725	2	9.9998839	-1
1.0679584	8	1.126961	10	3.5793246	5	1.1553576	-12	2.0999762	2	2.0900000	2	2.1000000	2	9.9998866	-1
1.0679706	8	1.1267217	10	3.5797652	5	1.1553445	-12	2.1000000	2	2.09000238	2	2.1000238	2	9.9998866	-1
1.0730683	8	1.1374524	10	3.5963694	5	1.1498818	-12	2.1099763	2	2.1000000	2	2.1100000	2	9.9998877	-1
1.0741567	8	1.1397501	10	3.6000000	5	1.1487222	-12	2.1121064	2	2.1021300	2	2.1121300	2	9.9998879	-1
1.1000000	8	1.1949880	10	3.6862048	5	1.1218584	-12	2.1626824	2	2.1527055	2	2.1627055	2	9.9998931	-1
1.1023150	8	1.2000000	10	3.8392770	5	1.1195131	-12	2.1672130	2	2.1572360	2	2.1672360	2	9.9998935	-1
1.1190569	8	1.2365579	10	3.7497724	5	1.1028402	-12	2.1999773	2	2.1900000	2	2.2000000	2	9.9998967	-1
1.1190685	8	1.2365834	10	3.7498112	5	1.1028288	-12	2.2000000	2	2.1900027	2	2.200027	2	9.9998967	-1
1.1219595	8	1.2429517	10	3.7594544	5	1.1000000	-12	2.2056576	2	2.1956803	2	2.2056803	2	9.9998972	-1
1.1241668	8	1.2478251	10	3.7668172	5	1.0978499	-12	2.2099774	2	2.2000000	2	2.2100000	2	9.9998976	-1
1.1341146	8	1.2699067	10	3.8000000	5	1.0882631	-12	2.2294456	2	2.2194680	2	2.2294680	2	9.9998994	-1
1.1475336	8	1.3000000	10	3.8447611	5	1.0759934	-12	2.2557068	2	2.2457289	2	2.2557289	2	9.9999017	-1
1.1701554	8	1.3515295	10	3.9202201	5	1.0548897	-12	2.2999783	2	2.2900000	2	2.3000000	2	9.9999055	-1
1.1701665	8	1.3515550	10	3.9202571	5	1.0548797	-12	2.3000000	2	2.29000217	2	2.3000217	2	9.9999055	-1
1.1752653	8	1.3633077	10	3.9372648	5	1.0503230	-12	2.3099784	2	2.3000000	2	2.3100000	2	9.9999063	-1
1.1910439	8	1.4000000	10	3.9898972	5	1.0364678	-12	2.3408575	2	2.3308789	2	2.3408789	2	9.9999088	-1
1.1940726	8	1.4070989	10	4.0000000	5	1.0338500	-12	2.3467848	2	2.3368061	2	2.3468061	2	9.9999092	-1
1.2000000	8	1.4210436	10	4.0197717	5	1.0287648	-12	2.3583848	2	2.3484060	2	2.3584060	2	9.9999101	-1
1.2212539	8	1.4716109	10	4.0906676	5	1.0109352	-12	2.3999792	2	2.3900000	2	2.4000000	2	9.9999132	-1
1.2226445	8	1.4716365	10	4.0907031	5	1.0109264	-12	2.4000000	2	2.39000208	2	2.4000208	2	9.9999132	-1
1.2263637	8	1.4839001	10	4.1077123	5	1.0067404	-12	2.4099793	2	2.4000000	2	2.4100000	2	9.9999139	-1
1.2330262	8	1.5000000	10	4.1299359	5	1.0013230	-12	2.4230178	2	2.4130384	2	2.4230384	2	9.9999148	-1
1.2346642	8	1.5039716	10	4.1353998	5	1.0000000	-12	2.4262234	2	2.4162440	2	2.4262440	2	9.9999151	-1
1.2540307	8	1.5513265	10	4.2000000	5	9.8461901	-13	2.4641241	2	2.4541444	2	2.4641444	2	9.9999177	-1
1.2723524	8	1.5968022	10	4.2611150	5	9.7049712	-13	2.4999800	2	2.4900000	2	2.5000000	2	9.9999200	-1
1.2723626	8	1.5968278	10	4.2611491	5	9.7048936	-13	2.5000000	2	2.4900200	2	2.5000200	2	9.9999200	-1
1.2736308	8	1.6000000	10	4.2653795	5	9.6952682	-13	2.5024820	2	2.4925020	2	2.5025020	2	9.9999202	-1
1.2774622	8	1.6096024	10	4.2781597	5	9.6663054	-13	2.5099801	2	2.5000000	2	2.5100000	2	9.9999206	-1
1.2999144	8	1.6664505	10	4.3530524	5	9.5000000	-13	2.5539194	2	2.5439389	2	2.5539389	2	9.9999233	-1
1.3000000	8	1.6666692	10	4.3533381	5	9.4993767	-13	2.5540869	2	2.5441065	2	2.5541065	2	9.9999234	-1
1.3129853	8	1.7002000	10	4.3966525	5	9.4057918	-13	2.5794994	2	2.5695188	2	2.5795188	2	9.9999249	-1
1.3139888	8	1.7025896	10	4.4000000	5	9.3986360	-13	2.5814633	2	2.5714827	2	2.5814827	2	9.9999250	-1
1.3234509	8	1.7271034	10	4.4315622	5	9.3316975	-13	2.5999808	2	2.5900000	2	2.6000000	2	9.9999260	-1

V	V*	H ρ	λ	p*	E*	W*	β	
1.3234607	8	4.4315950	5	2.6000000	2	2.6000192	2	9.9999260
1.3285607	8	4.4486070	5	2.6099808	2	2.6000000	2	9.9999266
1.3511983	8	4.5241181	5	2.6542830	2	2.6443018	2	9.9999290
1.3724146	8	4.5948887	5	2.6598038	2	2.6858223	2	9.9999312
1.3739470	8	4.6000000	5	2.6988026	2	2.6888211	2	9.9999314
1.3745494	8	4.6020094	5	2.6999815	2	2.6900000	2	9.9999314
1.3745588	8	4.6020410	5	2.7000000	2	2.7000185	2	9.9999314
1.3796592	8	4.6190541	5	2.7099815	2	2.7000000	2	9.9999319
1.3883638	8	4.6480895	5	2.7270165	2	2.7170348	2	9.9999328
1.4000000	8	4.6869041	5	2.7479788	2	2.7498070	2	9.9999339
1.4245634	8	4.7688392	5	2.7978599	2	2.7878778	2	9.9999361
1.4256479	8	4.7724565	5	2.7999821	2	2.7900000	2	9.9999362
1.4256570	8	4.7724869	5	2.8000000	2	2.8000179	2	9.9999362
1.4307577	8	4.7895012	5	2.8099822	2	2.8100000	2	9.9999367
1.4339051	8	4.8000000	5	2.8161418	2	2.8161596	2	9.9999369
1.4534444	8	4.8651763	5	2.8543805	2	2.8443980	2	9.9999386
1.4598689	8	4.8866061	5	2.8669533	2	2.8569707	2	9.9999392
1.4767463	8	4.9429035	5	2.8999828	2	2.8900000	2	9.9999405
1.4767552	8	4.9429329	5	2.9000000	2	2.8900172	2	9.9999405
1.4818562	8	4.9599482	5	2.9099828	2	2.9000000	2	9.9999410
1.4938634	8	5.0000000	5	2.9334810	2	2.9234981	2	9.9999419
1.4943433	8	5.0016008	5	2.9344202	2	2.9244373	2	9.9999419
1.5000000	8	5.0204697	5	2.9454905	2	2.9355075	2	9.9999424
1.5278448	8	5.1133505	5	2.9999833	2	2.9900000	2	9.9999444
1.5278533	8	5.1133789	5	3.0000000	2	2.9900167	2	9.9999444
1.5280427	8	5.1140104	5	3.0003705	2	2.9903872	2	9.9999448
1.5329547	8	5.1303952	5	3.0099834	2	3.0000000	2	9.9999448
1.5446030	8	5.1692498	5	3.0327793	2	3.0277957	2	9.9999456
1.5610171	8	5.2240017	5	3.0649020	2	3.0549183	2	9.9999468
1.5933114	8	5.3317244	5	3.1281025	2	3.1181185	2	9.9999489
1.6000000	8	5.3540351	5	3.1411921	2	3.1312080	2	9.9999493
1.6249661	8	5.4373133	5	3.1900511	2	3.1800668	2	9.9999509
1.6300418	8	5.4542442	5	3.1999844	2	3.1900000	2	9.9999512
1.6300498	8	5.4542708	5	3.2000000	2	3.1900156	2	9.9999512
1.6351517	8	5.4712888	5	3.2099844	2	3.2000000	2	9.9999515
1.6437590	8	5.5000000	5	3.2268291	2	3.2168446	2	9.9999520
1.6479161	8	5.5138664	5	3.2249645	2	3.2249800	2	9.9999522
1.6560176	8	5.5408905	5	3.2508194	2	3.2408348	2	9.9999527
1.6864993	8	5.6425667	5	3.3104725	2	3.3004876	2	9.9999544
1.7000000	8	5.6876003	5	3.3368935	2	3.3269085	2	9.9999551

V	V*	H ρ	λ	p*	E*	W*	β						
1.7164413	8	5.7424429	5	7.2014644	-13	3.3690695	2	3.3690843	2	3.3690843	2	9.9999559	-1
1.7322388	8	5.7951377	5	7.1359820	-13	3.3999853	2	3.3900000	2	3.4000000	2	9.9999567	-1
1.7322463	8	5.7951627	5	7.1359512	-13	3.4000000	2	3.3900147	2	3.4000147	2	9.9999567	-1
1.7373486	8	5.8121823	5	7.1150552	-13	3.4099853	2	3.4000000	2	3.4100000	2	9.9999570	-1
1.7458714	8	5.8406114	5	7.0804228	-13	3.4266646	2	3.4166792	2	3.4266792	2	9.9999574	-1
1.7659882	8	5.9077140	5	7.0000000	-13	3.4660334	2	3.4560479	2	3.4660479	2	9.9999584	-1
1.7936548	8	6.0000000	5	6.8923330	-13	3.5201773	2	3.5101915	2	3.5201915	2	9.9999596	-1
1.8000000	8	6.0211653	5	6.8681054	-13	3.5225949	2	3.5226090	2	3.5226090	2	9.9999599	-1
1.8032954	8	6.0321575	5	6.8555899	-13	3.5390440	2	3.5290581	2	3.5390581	2	9.9999601	-1
1.8344358	8	6.1360310	5	6.7395355	-13	3.5999861	2	3.5900000	2	3.6000000	2	9.9999614	-1
1.8344429	8	6.1360546	5	6.7395094	-13	3.6000000	2	3.5900139	2	3.6000139	2	9.9999614	-1
1.8395456	8	6.1530756	5	6.7208662	-13	3.6099861	2	3.6000000	2	3.6100000	2	9.9999616	-1
1.8589511	8	6.2178057	5	6.6508991	-13	3.6479630	2	3.6379767	2	3.6479767	2	9.9999624	-1
1.9000000	8	6.3513941	5	6.5075931	-13	3.7282961	2	3.7183095	2	3.7283095	2	9.9999640	-1
1.9022255	8	6.3622136	5	6.5000000	-13	3.7322654	2	3.7222668	2	3.7322668	2	9.9999641	-1
1.9129927	8	6.3980692	5	6.4635122	-13	3.7537230	2	3.7437363	2	3.7537363	2	9.9999645	-1
1.9366327	8	6.4769241	5	6.3848205	-13	3.7999868	2	3.7900000	2	3.8000000	2	9.9999654	-1
1.9366395	8	6.4769466	5	6.3847984	-13	3.8000000	2	3.7900132	2	3.8000132	2	9.9999654	-1
1.9417426	8	6.4939688	5	6.3680624	-13	3.8099869	2	3.8000000	2	3.8100000	2	9.9999656	-1
1.9435507	8	6.5000000	5	6.3621536	-13	3.8135254	2	3.8035385	2	3.8135385	2	9.9999656	-1
1.9655528	8	6.5733913	5	6.29111208	-13	3.8565837	2	3.8465967	2	3.8565967	2	9.9999664	-1
2.0000000	8	6.6882949	5	6.1830405	-13	3.9239973	2	3.9140100	2	3.9240100	2	9.9999675	-1
2.0167470	8	6.7441571	5	6.1318260	-13	3.9567714	2	3.9467841	2	3.9567841	2	9.9999681	-1
2.0388297	8	6.8178172	5	6.0655775	-13	3.9999875	2	3.9900000	2	4.0000000	2	9.9999687	-1
2.0388361	8	6.8178385	5	6.0655585	-13	4.0000000	2	3.9900125	2	4.0000125	2	9.9999687	-1
2.0439396	8	6.8348618	5	6.0504512	-13	4.0099875	2	4.0000000	2	4.0100000	2	9.9999689	-1
2.0611690	8	6.8923330	5	6.0000000	-13	4.0337057	2	4.0337180	2	4.0437180	2	9.9999694	-1
2.0666766	8	6.9107706	5	5.9840495	-13	4.0544842	2	4.0444965	2	4.0544965	2	9.9999696	-1
2.0934467	8	7.0000000	5	5.9077140	-13	4.1068735	2	4.0968856	2	4.1068856	2	9.9999704	-1
2.1000000	8	7.0218596	5	5.8893229	-13	4.1196984	2	4.1097105	2	4.1197105	2	9.9999705	-1
2.1154309	8	7.0733317	5	5.8464667	-13	4.1498969	2	4.1399089	2	4.1499089	2	9.9999710	-1
2.1410267	8	7.1587101	5	5.7767388	-13	4.1999881	2	4.1900000	2	4.2000000	2	9.9999717	-1
2.1410328	8	7.1587304	5	5.7767224	-13	4.2000000	2	4.1900119	2	4.2000119	2	9.9999717	-1
2.1461366	8	7.1757548	5	5.7630172	-13	4.2099881	2	4.2000000	2	4.2100000	2	9.9999718	-1
2.1630892	8	7.2323028	5	5.7179573	-13	4.2431646	2	4.2331764	2	4.2431764	2	9.9999722	-1
2.2000000	8	7.3554241	5	5.6222452	-13	4.3153994	2	4.3054110	2	4.3154110	2	9.9999731	-1
2.2097222	8	7.3878540	5	5.5975657	-13	4.3344259	2	4.3244375	2	4.3344375	2	9.9999734	-1
2.2432227	8	7.4996300	5	5.5141583	-13	4.3999886	2	4.3900000	2	4.4000000	2	9.9999742	-1
2.2432295	8	7.4996223	5	5.5141441	-13	4.4000000	2	4.3900114	2	4.4000114	2	9.9999742	-1
2.2433427	8	7.5000000	5	5.5138664	-13	4.4002216	2	4.3902329	2	4.4002329	2	9.9999742	-1

V	V*	H _P	λ	p*	E*	W*	β								
2.2483335	8	4.9688171	10	7.5166476	5	5.5016545	-13	4.4099887	2	4.4000000	2	4.4100000	2	9.9999743	-1
2.2490114	8	4.9718070	10	7.5189088	5	5.5000000	-13	4.4113153	2	4.4013266	2	4.4113266	2	9.9999743	-1
2.2553934	8	5.0000000	10	7.5401969	5	5.4844719	-13	4.4238049	2	4.4238162	2	4.4238162	2	9.9999744	-1
2.3000000	8	5.1992783	10	7.6889886	5	5.3783404	-13	4.5111005	2	4.5111005	2	4.5111005	2	9.9999754	-1
2.3454207	8	5.4061946	10	7.8404957	5	5.2744112	-13	4.5999891	2	4.5900000	2	4.6000000	2	9.9999764	-1
2.3454262	8	5.4062202	10	7.8405143	5	5.2743987	-13	4.6000000	2	4.5900109	2	4.6001109	2	9.9999764	-1
2.3505305	8	5.4297255	10	7.8575404	5	5.2629699	-13	4.6099892	2	4.6000000	2	4.6100000	2	9.9999765	-1
2.3657254	8	5.5000000	10	7.9082252	5	5.2292388	-13	4.6397258	2	4.6297365	2	4.6397365	2	9.9999768	-1
2.3932388	8	5.6283955	10	8.0000000	5	5.1692498	-13	4.6935697	2	4.6835803	2	4.6935803	2	9.9999773	-1
2.4000000	8	5.6601745	10	8.0222530	5	5.1547180	-13	4.7066814	2	4.6968120	2	4.7066812	2	9.9999774	-1
2.4476176	8	5.8865204	10	8.1813884	5	5.0546431	-13	4.7999896	2	4.7900000	2	4.8000000	2	9.9999783	-1
2.4476230	8	5.8865460	10	8.1814062	5	5.0546321	-13	4.8000000	2	4.7900104	2	4.8000104	2	9.9999783	-1
2.4527275	8	5.9110732	10	8.1984331	5	5.0441344	-13	4.8099896	2	4.8000000	2	4.8100000	2	9.9999784	-1
2.4711464	8	6.0000000	10	8.2598719	5	5.0066150	-13	4.8460355	2	4.8360458	2	4.8460458	2	9.9999787	-1
2.4744224	8	6.0158865	10	8.2707997	5	5.0000000	-13	4.8524468	2	4.8424571	2	4.8524571	2	9.9999788	-1
2.5000000	8	6.1406407	10	8.3561173	5	4.9489490	-13	4.9025023	2	4.8925125	2	4.9025125	2	9.9999792	-1
2.5431349	8	6.3539308	10	8.5000000	5	4.8651763	-13	4.9869178	2	4.9769278	2	4.9869278	2	9.9999799	-1
2.5498146	8	6.3872856	10	8.5222811	5	4.8524565	-13	4.9999900	2	4.9900000	2	5.0000000	2	9.9999800	-1
2.5498197	8	6.3873112	10	8.5222981	5	4.8524468	-13	5.0000000	2	4.9900100	2	5.0000100	2	9.9999800	-1
2.5549245	8	6.4128604	10	8.5393257	5	4.8427709	-13	5.0099900	2	5.0000000	2	5.0100000	2	9.9999801	-1
2.5722589	8	6.5000000	10	8.5971472	5	4.8102001	-13	5.0393137	2	5.0393236	2	5.0393236	2	9.9999803	-1
2.5777358	8	6.5276546	10	8.6154163	5	4.8000000	-13	5.0546321	2	5.0446420	2	5.0546420	2	9.9999804	-1
2.6000000	8	6.6406770	10	8.6896816	5	4.7589774	-13	5.0982032	2	5.0882130	2	5.0982130	2	9.9999808	-1
2.6695517	8	7.0000000	10	8.9216813	5	4.6352248	-13	5.2343166	2	5.2243261	2	5.2343261	2	9.9999817	-1
2.6900331	8	7.1076163	10	8.9899996	5	4.6000000	-13	5.2743987	2	5.2644082	2	5.2744082	2	9.9999820	-1
2.6930311	8	7.1234380	10	9.0000000	5	4.5948887	-13	5.2826659	2	5.2702754	2	5.2826659	2	9.9999821	-1
2.7000000	8	7.1602833	10	9.0232458	5	4.5830513	-13	5.2939041	2	5.2839135	2	5.2939135	2	9.9999822	-1
2.7634276	8	7.5000000	10	9.2348175	5	4.4780526	-13	5.4180324	2	5.4080416	2	5.4180416	2	9.9999830	-1
2.8000000	8	7.6994597	10	9.3568100	5	4.4196685	-13	5.4896049	2	5.4796140	2	5.4896140	2	9.9999834	-1
2.8053071	8	7.7286210	10	9.3745124	5	4.4113226	-13	5.4999909	2	5.4900000	2	5.5000000	2	9.9999835	-1
2.8053117	8	7.7286465	10	9.3745279	5	4.4113153	-13	5.5000000	2	5.4900091	2	5.5000091	2	9.9999835	-1
2.8104169	8	7.7567507	10	9.3915571	5	4.4033165	-13	5.5099909	2	5.5000000	2	5.5100000	2	9.9999835	-1
2.8125391	8	7.7684484	10	9.3986360	5	4.4000000	-13	5.5141441	2	5.5041532	2	5.5141532	2	9.9999836	-1
2.8429273	8	7.9369170	10	9.5000000	5	4.3530524	-13	5.5735140	2	5.5636230	2	5.5736230	2	9.9999839	-1
2.8542230	8	8.0000000	10	9.5376785	5	4.3358558	-13	5.5957198	2	5.5857288	2	5.5957288	2	9.9999840	-1
2.9000000	8	8.2582061	10	9.6903741	5	4.2675337	-13	5.6853058	2	5.6753146	2	5.6853146	2	9.9999845	-1
2.9422227	8	8.5000000	10	9.8312140	5	4.2063980	-13	5.7679360	2	5.7579446	2	5.7679446	2	9.9999850	-1
2.9457124	8	8.5259162	10	9.8461901	5	4.2000000	-13	5.7767224	2	5.7767310	2	5.7767310	2	9.9999850	-1
2.9928235	8	8.7943679	10	1.0000000	6	4.1353998	-13	5.8669621	2	5.8569706	2	5.8669706	2	9.9999855	-1
3.0000000	8	8.8365226	10	1.0023938	6	4.1255241	-13	5.8810065	2	5.8710151	2	5.8810151	2	9.9999855	-1

V	V^*	$H\rho$	λ	p^*	E^*	W^*	β
3.0276701	8	1.01116236	4.0878840	5.9351571	5.92511656	5.9351656	9.9999858
3.0607995	8	1.0226744	4.0437113	5.9999917	5.9900000	6.0000000	9.9999861
3.0608038	8	1.0226758	4.0437057	6.0000000	5.9900083	6.0100000	9.9999861
3.0659094	8	1.0243788	4.0369830	6.0099917	6.0000000	6.0100000	9.9999862
3.0943031	8	1.0338500	4.0000000	6.0655585	6.0555667	6.0655667	9.9999864
3.1107751	8	1.0393444	3.9788541	6.0977943	6.0878025	6.0978025	9.9999865
3.1917205	8	1.0663449	3.8781073	6.2562049	6.2462129	6.2562129	9.9999872
3.2000000	8	1.0691066	3.8680892	6.2724081	6.2624161	6.2724161	9.9999873
3.2574297	8	1.0882631	3.8000000	6.3847984	6.3748063	6.3848063	9.9999877
3.2926160	8	1.1000000	3.7594544	6.4536583	6.4436660	6.4536660	9.9999880
3.3162920	8	1.1078974	3.7326558	6.4999923	6.4900000	6.5000000	9.9999882
3.3162959	8	1.1078988	3.7326514	6.5000000	6.4900077	6.5000077	9.9999882
3.3214018	8	1.1096019	3.7269221	6.5099923	6.5000000	6.5100000	9.9999882
3.3477537	8	1.1183919	3.6976302	6.5615631	6.5515707	6.5615707	9.9999884
3.4000000	8	1.1358194	3.6408955	6.6638096	6.6538171	6.6638171	9.9999887
3.4386915	8	1.1487222	3.6000000	6.7395094	6.7295169	6.7395169	9.9999890
3.4968415	8	1.1681223	3.5402114	6.8533291	6.8433364	6.8533364	9.9999894
3.5717844	8	1.1931205	3.4660370	6.9999929	6.9900000	7.0000000	9.9999898
3.5717881	8	1.1931217	3.4660334	7.0000000	6.9900071	7.0000071	9.9999898
3.5768943	8	1.1948250	3.4610925	7.0099929	7.0000000	7.0100000	9.9999898
3.5924086	8	1.2000000	3.4461665	7.0403545	7.0303616	7.0403616	9.9999899
3.6000000	8	1.2025322	3.4389098	7.0552110	7.0452181	7.0552181	9.9999900
3.6398364	8	1.2158202	3.4013251	7.1331711	7.1231781	7.1331781	9.9999902
3.6412570	8	1.2162941	3.4000000	7.1359512	7.1259582	7.1359582	9.9999902
3.7774294	8	1.2617163	3.2775989	7.4024415	7.3924483	7.4024483	9.9999909
3.8000000	8	1.2692450	3.2581572	7.4466123	7.4366191	7.4466191	9.9999910
3.8202769	8	1.2783436	3.2349674	7.4999933	7.4900000	7.5000000	9.9999911
3.8272803	8	1.2783447	3.2349645	7.5000000	7.4900067	7.5000067	9.9999911
3.8323867	8	1.2800480	3.2306599	7.5099933	7.5000000	7.5100000	9.9999911
3.8691545	8	1.2923124	3.2000000	7.5819481	7.5719547	7.5819547	9.9999913
3.8922012	8	1.4862482	3.1810768	7.6270507	7.6170573	7.6270573	9.9999914
3.9101900	8	1.5000000	3.1664613	7.8322549	7.8222614	7.8322614	9.9999915
4.0000000	8	1.5696040	3.0954570	7.8380137	7.8280201	7.8380201	9.9999919
4.0385942	8	1.6000000	3.0659130	7.9135429	7.9035492	7.9135492	9.9999920
4.0827693	8	1.6351491	3.0327816	7.9999937	7.9900000	8.0000000	9.9999922
4.0827725	8	1.6351517	3.0327793	8.0000000	7.9900063	8.0000063	9.9999922
4.0878791	8	1.6392395	3.0289954	8.0099938	8.0000000	8.0100000	9.9999924
4.1274383	8	1.6710796	3.0000000	8.0874113	8.0774175	8.0874175	9.9999924
4.1630447	8	1.7000000	2.9743725	8.1570933	8.1470994	8.1570994	9.9999925
4.1919939	8	1.7236961	2.9538570	8.2137469	8.2037530	8.2137530	9.9999926

V	V*	H _P	λ	p*	E*	W*	β
4.2000000	1.7302784	1.4026706	2.9482331	8.2294150	8.2194211	8.2294211	9.9999926
4.2699398	1.7883135	1.4259999	2.9000000	8.3662876	8.3562936	8.3662936	9.9999929
4.2838856	1.8000000	1.4306518	2.8905705	8.3935797	8.3835857	8.3935857	9.9999929
4.3382617	1.8459304	1.4487897	2.8543824	8.4999941	8.4900000	8.5000000	9.9999931
4.3826488	1.8593329	1.4487907	2.8543825	8.5000000	8.4900000	8.5000000	9.9999931
4.3433716	1.8502763	1.4504941	2.8510283	8.5099941	8.5000000	8.5100000	9.9999931
4.4000000	1.8987809	1.4693833	2.8143778	8.6208163	8.6108221	8.6208221	9.9999933
4.4014140	1.9000000	1.4698550	2.8134747	8.6235834	8.6135892	8.6235892	9.9999933
4.4226199	1.9183311	1.4769285	2.8000000	8.6650836	8.6650894	8.6650894	9.9999933
4.4917866	1.9787328	1.5000000	2.7569932	8.8004431	8.7904488	8.8004488	9.9999935
4.5158880	2.0000000	1.5080394	2.7422360	8.8476099	8.8376155	8.8476155	9.9999936
4.5866097	2.0630612	1.5316296	2.7000000	8.9860126	8.9760182	8.9860182	9.9999938
4.5937542	2.0694863	1.5340127	2.6958054	8.9999944	8.9900000	9.0000000	9.9999938
4.5937570	2.0694888	1.5340137	2.6958038	9.0000000	8.9900000	9.0000000	9.9999938
4.5988640	2.0740877	1.5357172	2.6928134	9.0099944	9.0000000	9.0100000	9.9999938
4.6000000	2.0751113	1.5360961	2.6921492	9.0122175	9.0022231	9.0122231	9.9999938
4.6275343	2.1000000	1.5452805	2.6761483	9.0661023	9.0561078	9.0661078	9.9999939
4.7365525	2.2000000	1.5816450	2.6146194	9.2794515	9.2694569	9.2794569	9.9999942
4.7632141	2.2248101	1.5905384	2.6000000	9.3316285	9.3216338	9.3316338	9.9999943
4.7915793	2.2513582	1.6000000	2.5846249	9.3871393	9.3771447	9.3871447	9.9999943
4.8000000	2.2592698	1.6028089	2.5800955	9.4083088	9.3936241	9.4083088	9.9999943
4.8431199	2.3000000	1.6171921	2.5571482	9.4880046	9.4780098	9.4880098	9.9999944
4.8492466	2.3058168	1.6192357	2.5539208	9.4999947	9.4900000	9.5000000	9.9999945
4.8492493	2.3058193	1.6192366	2.5539194	9.5000000	9.4900000	9.5000000	9.9999945
4.8543565	2.3106737	1.6209402	2.5512353	9.5099947	9.5000000	9.5100000	9.9999945
4.9473947	2.4000000	1.6519744	2.5033075	9.6920710	9.6820762	9.6920762	9.9999947
4.9539468	2.4063546	1.6541599	2.5000000	9.7048936	9.6948988	9.7048988	9.9999947
5.0000000	2.4512563	1.6695216	2.4769969	9.7950200	9.7850251	9.7950251	9.9999948
5.0495188	2.5000000	1.6860393	2.4527304	9.8919286	9.8819336	9.8919336	9.9999949
5.0913720	2.5415723	1.7000000	2.4325881	9.9738356	9.9638406	9.9738406	9.9999950
5.1047391	2.5549219	1.7044588	2.4262246	9.9999950	9.9900000	1.0000000	9.9999950
5.1047416	2.5549245	1.7044596	2.4262234	1.0000000	9.9900000	1.0000000	9.9999950
5.1098489	2.5600343	1.7061632	2.4238008	1.0009995	1.0000000	1.0010000	9.9999950
5.1496201	2.6000000	1.7194294	2.4051000	1.0087827	1.0077832	1.0087832	9.9999951
5.1605740	2.6110618	1.7230833	2.4000000	1.0109264	1.0099269	1.0109269	9.9999951
5.2478141	2.7000000	1.7521834	2.3601409	1.0279994	1.0269999	1.0279999	9.9999953
5.3442060	2.8000000	1.7843363	2.3176124	1.0468633	1.0458638	1.0468638	9.9999954
5.3851687	2.8430465	1.7979999	2.3000000	1.0548797	1.0538802	1.0548802	9.9999955
5.3911648	2.8493752	1.8000000	2.2974443	1.0560532	1.0550536	1.0560536	9.9999955
5.4388914	2.9000000	1.8159199	2.2773030	1.0655393	1.0645398	1.0655398	9.9999956

V	V*	H ρ	λ	p*	E*	W*	β								
5.5000000	8	2.9654701	11	1.8363035	6	2.2520242	-13	1.0773523	3	1.0763528	3	1.0773528	3	9.9999957	-1
5.5319579	8	3.0000000	11	1.8469635	6	2.2390263	-13	1.0836065	3	1.0826069	3	1.0836069	3	9.9999957	-1
5.6157240	8	3.0914561	11	1.8749048	6	2.2056585	-13	1.0999995	3	1.0990000	3	1.1000000	3	9.9999959	-1
5.6157263	8	3.0914586	11	1.8749056	6	2.2056576	-13	1.1000000	3	1.0990005	3	1.1000005	3	9.9999959	-1
5.6208338	8	3.0970794	11	1.8766093	6	2.2036552	-13	1.1000995	3	1.1000000	3	1.1010000	3	9.9999959	-1
5.6301811	8	3.1073794	11	1.8797272	6	2.2000000	-13	1.1028288	3	1.1018293	3	1.1028293	3	9.9999959	-1
5.6909575	8	3.1747668	11	1.9000000	6	2.1765262	-13	1.1147228	3	1.1137232	3	1.1147232	3	9.9999960	-1
5.7135490	8	3.2000000	11	1.9075357	6	2.1679279	-13	1.1191440	3	1.1181444	3	1.1191444	3	9.9999960	-1
5.8895487	8	3.4000000	11	1.9662428	6	2.1031990	-13	1.1535872	3	1.1525876	3	1.1535876	3	9.9999962	-1
5.8985291	8	3.4103665	11	1.9692380	6	2.1000000	-13	1.1553445	3	1.1543449	3	1.1553449	3	9.9999963	-1
5.9907503	8	3.5177472	11	2.0000000	6	2.0676999	-13	1.1733924	3	1.1723928	3	1.1733928	3	9.9999964	-1
6.0000000	8	3.5286090	11	2.0030854	6	2.0645150	-13	1.1752026	3	1.1742030	3	1.1752030	3	9.9999964	-1
6.0604436	8	3.6000000	11	2.0232471	6	2.0439420	-13	1.1870314	3	1.1860318	3	1.1870318	3	9.9999964	-1
6.1267089	8	3.6790887	11	2.0453508	6	2.0218535	-13	1.1999996	3	1.1990000	3	1.2000000	3	9.9999965	-1
6.1267110	8	3.6790912	11	2.0453515	6	2.0218528	-13	1.2000000	3	1.1990004	3	1.2000004	3	9.9999965	-1
6.1318187	8	3.6852231	11	2.0470553	6	2.0201701	-13	1.2009996	3	1.2000000	3	1.2010000	3	9.9999965	-1
6.1937098	8	3.7599290	11	2.0676999	6	2.0000000	-13	1.2231117	3	1.2211121	3	1.2131121	3	9.9999966	-1
6.2266538	8	3.8000000	11	2.0786888	6	1.9894271	-13	1.2195589	3	1.2185593	3	1.2195593	3	9.9999966	-1
6.2905431	8	3.8783162	11	2.1000000	6	1.9692380	-13	1.2320620	3	1.2310624	3	1.2320624	3	9.9999967	-1
6.3885446	8	4.0000000	11	2.1326897	6	1.9390536	-13	1.2512410	3	1.2502414	3	1.2512414	3	9.9999968	-1
6.5000000	8	4.1406731	11	2.1698672	6	1.9058308	-13	1.2730529	3	1.2720533	3	1.2730533	3	9.9999969	-1
6.5199632	8	4.1661264	11	2.1765262	6	1.9000000	-13	1.2769597	3	1.2759601	3	1.2769601	3	9.9999969	-1
6.5464363	8	4.2000000	11	2.1853567	6	1.8923226	-13	1.2821405	3	1.2811409	3	1.2821409	3	9.9999970	-1
6.5903359	8	4.2564741	11	2.2000000	6	1.8797272	-13	1.2907317	3	1.2897320	3	1.2907320	3	9.9999970	-1
6.6376938	8	4.3178198	11	2.2157969	6	1.8663262	-13	1.2999996	3	1.2990000	3	1.3000000	3	9.9999970	-1
6.6376957	8	4.3178224	11	2.2157975	6	1.8663257	-13	1.3000000	3	1.2990004	3	1.3000004	3	9.9999970	-1
6.6428036	8	4.3244652	11	2.2175013	6	1.8648917	-13	1.3009996	3	1.3000000	3	1.3010000	3	9.9999970	-1
6.7006113	8	4.4000000	11	2.2367839	6	1.8488151	-13	1.3123126	3	1.3113130	3	1.3123130	3	9.9999971	-1
6.8513204	8	4.6000000	11	2.2870550	6	1.8081768	-13	1.3418065	3	1.3408068	3	1.3418068	3	9.9999972	-1
6.8824671	8	4.6418877	11	2.2974443	6	1.8000000	-13	1.3479019	3	1.3469023	3	1.3479023	3	9.9999972	-1
6.8901287	8	4.6522206	11	2.3000000	6	1.7979999	-13	1.3494013	3	1.3484017	3	1.3494017	3	9.9999973	-1
6.9987873	8	4.8000000	11	2.3362446	6	1.7701057	-13	1.3706658	3	1.3696662	3	1.3706662	3	9.9999973	-1
7.0000000	8	4.8016623	11	2.3366491	6	1.7697993	-13	1.3709031	3	1.3699035	3	1.3709035	3	9.9999973	-1
7.1432127	8	5.0000000	11	2.3844196	6	1.7343423	-13	1.3989300	3	1.3979303	3	1.3989303	3	9.9999974	-1
7.1486787	8	5.0076494	11	2.3862429	6	1.7330172	-13	1.3999996	3	1.3990000	3	1.4000000	3	9.9999974	-1
7.1486805	8	5.0076520	11	2.3862435	6	1.7330167	-13	1.4000000	3	1.3990004	3	1.4000004	3	9.9999974	-1
7.1537885	8	5.0148057	11	2.3879473	6	1.7317802	-13	1.4009996	3	1.4000000	3	1.4010000	3	9.9999974	-1
7.1899216	8	5.0655559	11	2.4000000	6	1.7230833	-13	1.4080709	3	1.4070713	3	1.4080713	3	9.9999975	-1
7.2876185	8	5.2040540	11	2.4325881	6	1.7000000	-13	1.4271902	3	1.4261906	3	1.4271906	3	9.9999975	-1
7.4897144	8	5.4964799	11	2.5000000	6	1.6541599	-13	1.4667405	3	1.4657409	3	1.4667409	3	9.9999977	-1

V	V*	H ρ	λ	p^*	E*	W*	β								
7.4921139	8	5.5000000	11	2.5008004	6	1.6536305	-13	1.4672101	3	1.4662105	3	1.4672105	3	9.9999977	-1
7.5000000	8	5.5115766	11	2.5034309	6	1.6518929	-13	1.4687534	3	1.4677538	3	1.4687538	3	9.9999977	-1
7.6596636	8	5.7485775	11	2.5566889	6	1.6174826	-13	1.4999997	3	1.4990000	3	1.5000000	3	9.9999978	-1
7.6596653	8	5.7485801	11	2.5566894	6	1.6174823	-13	1.5000000	3	1.4990003	3	1.5000000	3	9.9999978	-1
7.6647734	8	5.7562448	11	2.5583933	6	1.6164050	-13	1.5009997	3	1.5000000	3	1.5010000	3	9.9999978	-1
7.7434138	8	5.8748891	11	2.5846249	6	1.6000000	-13	1.5163896	3	1.5153900	3	1.5163900	3	9.9999978	-1
7.7895072	8	5.9449927	11	2.6000000	6	1.5905384	-13	1.5254101	3	1.5244105	3	1.5254105	3	9.9999978	-1
7.8254849	8	6.0000000	11	2.6120008	6	1.5832307	-13	1.5324510	3	1.5314513	3	1.5324513	3	9.9999979	-1
8.0000000	8	6.2704161	11	2.6702127	6	1.5487155	-13	1.5666037	3	1.5656040	3	1.5666040	3	9.9999980	-1
8.0893001	8	6.4110942	11	2.7000000	6	1.5316296	-13	1.5840798	3	1.5830801	3	1.5840801	3	9.9999980	-1
8.1452314	8	6.5000000	11	2.7186567	6	1.5211188	-13	1.5950256	3	1.5940259	3	1.5950259	3	9.9999980	-1
8.1706484	8	6.5406041	11	2.7271349	6	1.5216389	-13	1.5999997	3	1.5990000	3	1.6000000	3	9.9999980	-1
8.1706500	8	6.5406066	11	2.7271354	6	1.5163896	-13	1.6000000	3	1.5990003	3	1.6000003	3	9.9999980	-1
8.1757583	8	6.5487824	11	2.7288393	6	1.5154428	-13	1.6009997	3	1.6000000	3	1.6010000	3	9.9999980	-1
8.2599818	8	6.6843183	11	2.7569332	6	1.5000000	-13	1.6174823	3	1.6164826	3	1.6174826	3	9.9999981	-1
8.3890929	8	6.8947844	11	2.8000000	6	1.4769285	-13	1.6427494	3	1.6417497	3	1.6427497	3	9.9999981	-1
8.4528989	8	7.0000000	11	2.8212833	6	1.4657868	-13	1.6552362	3	1.6542365	3	1.6552365	3	9.9999982	-1
8.5000000	8	7.0781806	11	2.8369946	6	1.4576693	-13	1.6644540	3	1.6634543	3	1.6644543	3	9.9999982	-1
8.6816333	8	7.3837292	11	2.8975809	6	1.4271905	-13	1.6999997	3	1.6990000	3	1.7000000	3	9.9999983	-1
8.6816348	8	7.3837317	11	2.8975814	6	1.4271902	-13	1.7000000	3	1.6990003	3	1.7000003	3	9.9999983	-1
8.6867432	8	7.3924185	11	2.8992853	6	1.4263515	-13	1.7009997	3	1.7000000	3	1.7010000	3	9.9999983	-1
8.6888858	8	7.3960634	11	2.9000000	6	1.4259999	-13	1.7014190	3	1.7004193	3	1.7014193	3	9.9999983	-1
8.7497608	8	7.5000000	11	2.9203057	6	1.4160846	-13	1.7133323	3	1.7123326	3	1.7133326	3	9.9999983	-1
8.8503452	8	7.6733246	11	2.9538570	6	1.4000000	-13	1.7330167	3	1.7320170	3	1.7330170	3	9.9999983	-1
8.9886786	8	7.9149311	11	3.0000000	6	1.3784666	-13	1.7600886	3	1.7590889	3	1.7600889	3	9.9999984	-1
9.0000000	8	7.9348703	11	3.0037764	6	1.3767336	-13	1.7623042	3	1.7613045	3	1.7623045	3	9.9999984	-1
9.0368816	8	8.0000000	11	3.0160788	6	1.3711180	-13	1.7685223	3	1.7685223	3	1.7695223	3	9.9999984	-1
9.1926182	8	8.2779527	11	3.0479021	6	1.3479021	-13	1.7999997	3	1.7990000	3	1.8000000	3	9.9999985	-1
9.1926197	8	8.2779553	11	3.0680273	6	1.3479019	-13	1.8000000	3	1.7990003	3	1.8000003	3	9.9999985	-1
9.1977281	8	8.2871530	11	3.0697313	6	1.3471537	-13	1.8009997	3	1.8000000	3	1.8010000	3	9.9999985	-1
9.3151615	8	8.5000000	11	3.1089028	6	1.3301798	-13	1.8239815	3	1.8229818	3	1.8239818	3	9.9999985	-1
9.5000000	8	8.8404851	11	3.1705582	6	1.3043128	-13	1.8601545	3	1.8591548	3	1.8601548	3	9.9999986	-1
9.5153339	8	8.8992403	11	3.1810768	6	1.3000000	-13	1.8663257	3	1.8653260	3	1.8663260	3	9.9999986	-1
9.5853702	8	9.0000000	11	3.1990346	6	1.2927024	-13	1.8768615	3	1.8758618	3	1.8768618	3	9.9999986	-1
9.5882643	8	9.0054327	11	3.2000000	6	1.2923124	-13	1.8774279	3	1.8764281	3	1.8774281	3	9.9999986	-1
9.7036031	8	9.2322748	11	3.2384728	6	1.2769599	-13	1.8999997	3	1.8990000	3	1.9000000	3	9.9999986	-1
9.7036045	8	9.2322773	11	3.2384733	6	1.2769597	-13	1.9000000	3	1.8990003	3	1.9000003	3	9.9999986	-1
9.7087130	8	9.2329860	11	3.2401773	6	1.2762881	-13	1.9009997	3	1.9000000	3	1.9010000	3	9.9999986	-1
9.8481716	8	9.5000000	11	3.2866956	6	1.2582242	-13	1.9282919	3	1.9272921	3	1.9282921	3	9.9999987	-1
1.0000000	9	9.7950251	11	3.3373401	6	1.23391305	-13	1.9580048	3	1.9570050	3	1.9580050	3	9.9999987	-1

V	V^*	$H\rho$	λ	P^*	E^*	W^*	β							
1.0104144	1.0000000	12	1.2263652	-13	1.9783857	3	1.9773860	3	1.9783860	3	1.9783860	3	9.9999987	-1
1.0187850	1.0166289	12	1.2162941	-13	1.9947671	3	1.9937674	3	1.9947671	3	1.9947671	3	9.9999987	-1
1.0214588	1.0219695	12	1.2131117	-13	1.9999997	3	1.9990000	3	1.9999997	3	2.0000000	3	9.9999987	-1
1.0214589	1.0219698	12	1.2131117	-13	2.0000000	3	2.0000000	3	2.0000000	3	2.0000000	3	9.9999987	-1
1.0219698	1.0229918	12	1.2125056	-13	2.0009997	3	2.0009997	3	2.0009997	3	2.0010000	3	9.9999987	-1
1.0326254	1.0444247	12	1.2000000	-13	2.0218528	3	2.0218528	3	2.0218528	3	2.0218531	3	9.9999988	-1
1.0597564	1.1000000	12	1.1692933	-13	2.0749484	3	2.0749484	3	2.0749487	3	2.0749487	3	9.9999988	-1
1.0725573	1.1267214	12	1.1553446	-13	2.0999998	3	2.0999998	3	2.0990000	3	2.1000000	3	9.9999989	-1
1.0725574	1.1267217	12	1.1553445	-13	2.1000000	3	2.1000000	3	2.0990002	3	2.1000000	3	9.9999989	-1
1.0730683	1.1277948	12	1.1547947	-13	2.1009998	3	2.1009998	3	2.1000000	3	2.1010000	3	9.9999989	-1
1.0787436	1.1397501	12	1.1487222	-13	2.1121064	3	2.1121064	3	2.1111066	3	2.1121066	3	9.9999989	-1
1.1000000	1.1850880	12	1.1265345	-13	2.1537053	3	2.1537053	3	2.1527055	3	2.1537055	3	9.9999989	-1
1.1069022	1.2000000	12	1.1195131	-13	2.1672130	3	2.1672130	3	2.1662132	3	2.1672132	3	9.9999989	-1
1.1236558	1.2365832	12	1.1102828	-13	2.1999998	3	2.1999998	3	2.1990000	3	2.2000000	3	9.9999990	-1
1.1236559	1.2365834	12	1.1102828	-13	2.2000000	3	2.2000000	3	2.1990002	3	2.2000000	3	9.9999990	-1
1.1241668	1.2377076	12	1.1023279	-13	2.2009998	3	2.2009998	3	2.2000000	3	2.2010000	3	9.9999990	-1
1.1265469	1.2429517	12	1.1000000	-13	2.2056576	3	2.2056576	3	2.2046579	3	2.2056579	3	9.9999990	-1
1.1387021	1.2699067	12	1.0882631	-13	2.2294456	3	2.2294456	3	2.2284458	3	2.2294458	3	9.9999990	-1
1.1521212	1.3000000	12	1.0755934	-13	2.2557068	3	2.2557068	3	2.2547070	3	2.2557070	3	9.9999990	-1
1.1747543	1.3515548	12	1.0548798	-13	2.2999998	3	2.2999998	3	2.2990000	3	2.3000000	3	9.9999991	-1
1.1747544	1.3515550	12	1.0548797	-13	2.3000000	3	2.3000000	3	2.2990002	3	2.3000000	3	9.9999991	-1
1.1752653	1.3527303	12	1.0544214	-13	2.3009998	3	2.3009998	3	2.3000000	3	2.3010000	3	9.9999991	-1
1.1956320	1.4000000	12	1.0364678	-13	2.3408575	3	2.3408575	3	2.3398578	3	2.3408578	3	9.9999991	-1
1.1986607	1.4070989	12	1.0338500	-13	2.3467848	3	2.3467848	3	2.3457850	3	2.3467850	3	9.9999991	-1
1.2000000	1.4102436	12	1.0326966	-13	2.3494058	3	2.3494058	3	2.3484060	3	2.3494060	3	9.9999991	-1
1.2258528	1.4716362	12	1.0109265	-13	2.3999998	3	2.3999998	3	2.3990000	3	2.4000000	3	9.9999991	-1
1.2258529	1.4716365	12	1.0109264	-13	2.4000000	3	2.4000000	3	2.3990002	3	2.4000000	3	9.9999991	-1
1.2263637	1.4728629	12	1.0105055	-13	2.4009998	3	2.4009998	3	2.4000000	3	2.4010000	3	9.9999991	-1
1.2376146	1.5000000	12	1.0013230	-13	2.4230178	3	2.4230178	3	2.4220180	3	2.4230180	3	9.9999991	-1
1.2392526	1.5039716	12	1.0000000	-13	2.4262234	3	2.4262234	3	2.4252236	3	2.4262236	3	9.9999991	-1
1.2586193	1.5513265	12	9.8461901	-14	2.4641241	3	2.4641241	3	2.4631243	3	2.4641243	3	9.9999992	-1
1.2769512	1.5968275	12	9.7048944	-14	2.4999998	3	2.4999998	3	2.4990000	3	2.5000000	3	9.9999992	-1
1.2769514	1.5968278	12	9.7048936	-14	2.5000000	3	2.5000000	3	2.4990002	3	2.5000000	3	9.9999992	-1
1.2774622	1.5981053	12	9.7010140	-14	2.5009998	3	2.5009998	3	2.5000000	3	2.5010000	3	9.9999992	-1
1.2782196	1.6000000	12	9.6952682	-14	2.5024820	3	2.5024820	3	2.5014822	3	2.5024822	3	9.9999992	-1
1.3000000	1.6549692	12	9.5328960	-14	2.5451063	3	2.5451063	3	2.5441065	3	2.5451065	3	9.9999992	-1
1.3045033	1.6664505	12	9.5000000	-14	2.5539194	3	2.5539194	3	2.5529196	3	2.5539196	3	9.9999992	-1
1.3175743	1.7000000	12	9.4057918	-14	2.5794994	3	2.5794994	3	2.5784996	3	2.5794996	3	9.9999992	-1
1.3185779	1.7025896	12	9.3988636	-14	2.5814633	3	2.5814633	3	2.5804635	3	2.5814635	3	9.9999992	-1
1.3280497	1.7271287	12	9.3316292	-14	2.5999998	3	2.5999998	3	2.5990000	3	2.6000000	3	9.9999993	-1

V	V^*	$H\rho$	λ	p^*	E^*	W^*	β
1.3280498	1.7271289	4.4315950	9.3316285	2.6000000	2.5990002	2.6000002	9.9999993
1.3285607	1.7284575	4.4332992	9.3280415	2.6009998	2.6000000	2.6010000	9.9999993
1.3557876	1.8000000	4.5241181	9.1407865	2.6542830	2.6532832	2.6542832	9.9999993
1.3770041	1.8567551	4.5948887	9.0000000	2.6958038	2.6958040	2.6958040	9.9999993
1.3785364	1.8608882	4.6000000	8.9899996	2.6988026	2.6978027	2.6988027	9.9999993
1.3791482	1.8625397	4.6020407	8.9860132	2.6999998	2.6993000	2.7000000	9.9999993
1.3791483	1.8625399	4.6020410	8.9860126	2.7000000	2.6990002	2.7000002	9.9999993
1.3796592	1.8639196	4.6037451	8.9826863	2.7009998	2.7000000	2.7010000	9.9999993
1.3929534	1.9000000	4.6480895	8.8969883	2.7270165	2.7260167	2.7270167	9.9999993
1.4000000	1.9192649	4.6715946	8.8522232	2.7408068	2.7398070	2.7408070	9.9999993
1.4291533	2.0000000	4.7688392	8.6717115	2.7978599	2.7968601	2.7978601	9.9999994
1.4302467	2.0030605	4.7724866	8.6650841	2.7999998	2.7990000	2.8000000	9.9999994
1.4302468	2.0030608	4.7724869	8.6650836	2.8000000	2.7990002	2.8000002	9.9999994
1.4307577	2.0044915	4.7741911	8.6619906	2.8009998	2.8000000	2.8010000	9.9999994
1.4384950	2.0262224	4.8000000	8.6154163	2.8161418	2.8151420	2.8161420	9.9999994
1.4580344	2.0816216	4.8651763	8.5000000	2.8543805	2.8533806	2.8543806	9.9999994
1.4644589	2.1000000	4.8866061	8.4627239	2.8669533	2.8659534	2.8669534	9.9999994
1.4813452	2.1486912	4.9429326	8.3662881	2.8999998	2.8990000	2.9000000	9.9999994
1.4813453	2.1486915	4.9429329	8.3662876	2.9000000	2.8990002	2.9000002	9.9999994
1.4818562	2.1501733	4.9446371	8.3634042	2.9009998	2.9000000	2.9010000	9.9999994
1.4984536	2.1985920	5.0000000	8.2707997	2.9334810	2.9324812	2.9334812	9.9999994
1.4989335	2.2000000	5.0016008	8.2681525	2.9344202	2.9334204	2.9344204	9.9999994
1.5000000	2.2031306	5.0051582	8.2622759	2.9365074	2.9355075	2.9365075	9.9999994
1.5324437	2.2994318	5.1133786	8.0874118	2.9999998	2.9990000	3.0000000	9.9999994
1.5324438	2.2994320	5.1133789	8.0874113	3.0000000	2.9990002	3.0000002	9.9999994
1.5326331	2.3000000	5.1140104	8.0864127	3.0003705	2.9993707	3.0003707	9.9999994
1.5329547	2.3009650	5.1150830	8.0847169	3.0009998	3.0000000	3.0010000	9.9999994
1.5491935	2.3499557	5.1692498	8.0000000	3.0327793	3.0317794	3.0327794	9.9999995
1.5656077	2.4000000	5.2240017	7.9161534	3.0649020	3.0639021	3.0649021	9.9999995
1.5979022	2.5000000	5.3317244	7.7562146	3.1281025	3.1271026	3.1281026	9.9999995
1.6000000	2.5065664	5.3387218	7.7460485	3.1322079	3.1312080	3.1322080	9.9999995
1.6295570	2.6000000	5.4731333	7.6055941	3.1900511	3.1890513	3.1900513	9.9999995
1.6346407	2.6162424	5.4542705	7.5819485	3.1999998	3.1990000	3.2000000	9.9999995
1.6346408	2.6162427	5.4542708	7.5819481	3.2000000	3.1990002	3.2000002	9.9999995
1.6355157	2.6178778	5.4559750	7.5795799	3.2009998	3.2000000	3.2010000	9.9999995
1.6483500	2.6602963	5.5000000	7.5189988	3.2268291	3.2258293	3.2268293	9.9999995
1.6525071	2.6737273	5.5138664	7.5000000	3.2349645	3.2339647	3.2349647	9.9999995
1.6606087	2.7000000	5.5408905	7.4634210	3.2508194	3.2498196	3.2508196	9.9999995
1.6910905	2.8000000	5.6425667	7.3289339	3.3104725	3.3094726	3.3104726	9.9999995
1.7000000	2.8295723	5.6722855	7.2905355	3.3279084	3.3269085	3.3279085	9.9999995

V	V*	H _p	λ	p*	E*	W*	β					
1.7210327	9	5.7424429	6	7.2014644	-14	3.3690695	3	3.3680696	3	3.3690696	-1	9.9999996
1.7368377	9	5.7951625	6	7.1359515	-14	3.3999999	3	3.3990000	3	3.4000000	3	9.9999996
1.7368377	9	5.7951627	6	7.1359512	-14	3.4000000	3	3.4000001	3	3.4000001	3	9.9999996
1.7373486	9	5.7968669	6	7.1338533	-14	3.4009999	3	3.4000000	3	3.4010000	3	9.9999996
1.7504629	9	5.8406114	6	7.0804228	-14	3.4266646	3	3.4256647	3	3.4266647	3	9.9999996
1.7705798	9	5.9077140	6	7.0000000	-14	3.4660334	3	3.4650336	3	3.4660336	3	9.9999996
1.7882465	9	6.0000000	6	6.8923330	-14	3.5201773	3	3.5191774	3	3.5201774	3	9.9999996
1.8000000	9	6.0058491	6	6.8856206	-14	3.5236089	3	3.5226090	3	3.5236090	3	9.9999996
1.8078871	9	6.0321575	6	6.8555899	-14	3.5390440	3	3.5380441	3	3.5390441	3	9.9999996
1.8390346	9	6.1360544	6	6.7395997	-14	3.5999999	3	3.5990000	3	3.6000000	3	9.9999996
1.8390347	9	6.1360546	6	6.7395094	-14	3.6000000	3	3.5990001	3	3.6000001	3	9.9999996
1.8395456	9	6.1377589	6	6.7376381	-14	3.6009999	3	3.6000000	3	3.6010000	3	9.9999996
1.8635431	9	6.2178057	6	6.6508991	-14	3.6479630	3	3.6469631	3	3.6479631	3	9.9999996
1.9000000	9	6.3394127	6	6.5233169	-14	3.7193094	3	3.7183095	3	3.7193095	3	9.9999996
1.9068176	9	6.3621536	6	6.5000000	-14	3.7326514	3	3.7316515	3	3.7326515	3	9.9999996
1.9175848	9	6.3980692	6	6.4635122	-14	3.7537230	3	3.7527231	3	3.7537231	3	9.9999996
1.9412316	9	6.4769463	6	6.3847986	-14	3.7999999	3	3.7990000	3	3.8000000	3	9.9999997
1.9412317	9	6.4769466	6	6.3847984	-14	3.8000000	3	3.7990001	3	3.8000001	3	9.9999997
1.9417426	9	6.4786508	6	6.3831189	-14	3.8009999	3	3.8000000	3	3.8010000	3	9.9999997
1.9481429	9	6.5000000	6	6.3621536	-14	3.8135254	3	3.8125255	3	3.8135255	3	9.9999997
1.9701451	9	6.5733913	6	6.2911208	-14	3.8565837	3	3.8555839	3	3.8565839	3	9.9999997
2.0000000	9	6.6729763	6	6.1972344	-14	3.9150099	3	3.9140100	3	3.9150100	3	9.9999997
2.0213395	9	6.7441571	6	6.1318260	-14	3.9567714	3	3.9557716	3	3.9567716	3	9.9999997
2.0434286	9	6.8178383	6	6.0655587	-14	3.9999999	3	3.9990000	3	4.0000000	3	9.9999997
2.0434287	9	6.8178385	6	6.0655585	-14	4.0000000	3	3.9990001	3	4.0000001	3	9.9999997
2.0439396	9	6.8195427	6	6.0640427	-14	4.0009999	3	4.0000000	3	4.0010000	3	9.9999997
2.0657616	9	6.8923330	6	6.0000000	-14	4.0437057	3	4.0427058	3	4.0437058	3	9.9999997
2.0712693	9	6.9107046	6	5.9840495	-14	4.0544842	3	4.0534843	3	4.0544843	3	9.9999997
2.0980394	9	7.0000000	6	5.9077140	-14	4.1068735	3	4.1058736	3	4.1068736	3	9.9999997
2.1000000	9	7.0065399	6	5.9021998	-14	4.1107104	3	4.1097105	3	4.1107105	3	9.9999997
2.1200237	9	7.0733317	6	5.8464667	-14	4.1498969	3	4.1488970	3	4.1498970	3	9.9999997
2.1456256	9	7.1587302	6	5.7767225	-14	4.1999999	3	4.1990000	3	4.2000000	3	9.9999997
2.1456256	9	7.1587304	6	5.7767224	-14	4.2000000	3	4.1990001	3	4.2000001	3	9.9999997
2.1461366	9	7.1604347	6	5.7753475	-14	4.2009999	3	4.2000000	3	4.2010000	3	9.9999997
2.1676821	9	7.2323028	6	5.7179573	-14	4.2431646	3	4.2421648	3	4.2431648	3	9.9999997
2.2000000	9	7.3401035	6	5.6339802	-14	4.3064109	3	4.3054110	3	4.3064110	3	9.9999997
2.2143152	9	7.3878540	6	5.5975657	-14	4.3344259	3	4.3334260	3	4.3344260	3	9.9999997
2.2478225	9	7.4996221	6	5.5141442	-14	4.3999999	3	4.3990000	3	4.4000000	3	9.9999997
2.2478226	9	7.4996223	6	5.5141441	-14	4.4000000	3	4.3990001	3	4.4000001	3	9.9999997
2.2479358	9	7.5000000	6	5.5138664	-14	4.4002216	3	4.3992217	3	4.4002217	3	9.9999997

V	V*	H _p	λ	p*	E*	W*	β
2.2483335	4.9485821	7.5013266	5.5128913	4.4009999	4.4000000	4.4010000	9.9999997
2.2536045	4.9718070	7.5189088	5.5000000	4.4113153	4.4103154	4.4113154	9.9999997
2.2599866	5.0000000	7.5401969	5.4844719	4.4238049	4.4228051	4.4238051	9.9999997
2.3000000	5.1785783	7.6736672	5.3890790	4.5021114	4.5011115	4.5021115	9.9999997
2.35000195	5.4062199	7.8405141	5.2743988	4.5999999	4.5990000	4.6000000	9.9999998
2.3500196	5.4062202	7.8405143	5.2743987	4.6000000	4.5990001	4.6000001	9.9999998
2.3505305	5.4085707	7.8422185	5.2732525	4.6009999	4.6000000	4.6010000	9.9999998
2.3703188	5.5000000	7.9082252	5.2293388	4.6397258	4.6387259	4.6397259	9.9999998
2.3978323	5.6283955	8.0000000	5.1692498	4.6935697	4.6925698	4.6935698	9.9999998
2.4000000	5.6385745	8.00072308	5.1645818	4.6978119	4.6968120	4.6978120	9.9999998
2.4522165	5.8865457	8.1814060	5.0546322	4.7999999	4.7990000	4.8000000	9.9999998
2.4522166	5.8865460	8.1814062	5.0546321	4.8000000	4.7990001	4.8000001	9.9999998
2.4527275	5.8889987	8.1831105	5.0535794	4.8009999	4.8000000	4.8010000	9.9999998
2.4757400	6.0000000	8.2598719	5.0066150	4.8460356	4.8450356	4.8460356	9.9999998
2.4790161	6.0158865	8.2707997	5.0000000	4.8524468	4.8514469	4.8524469	9.9999998
2.5000000	6.1181407	8.34007944	4.9580407	4.8935124	4.8925125	4.8935125	9.9999998
2.5477287	6.3539308	8.5000000	4.8651763	4.9869178	4.9859179	4.9869179	9.9999998
2.5544135	6.3873109	8.5222979	4.8524469	4.9999999	4.9990000	5.0000000	9.9999998
2.5544135	6.3873112	8.5222981	4.8524468	5.0000000	4.9990001	5.0000001	9.9999998
2.5549245	6.3898661	8.5240024	4.8514766	5.0009999	5.0000000	5.0010000	9.9999998
2.5768528	6.5000000	8.5971472	4.8102001	5.0439137	5.0429138	5.0439138	9.9999998
2.5823297	6.5276546	8.6154163	4.8000000	5.0546321	5.0536322	5.0546322	9.9999998
2.6000000	6.6172770	8.6743580	4.7673843	5.0892129	5.0882130	5.0892130	9.9999998
2.6741458	7.0000000	8.9216813	4.6352248	5.2343166	5.2333167	5.2343167	9.9999998
2.6946271	7.1076163	8.9899996	4.6000000	5.2743987	5.2733988	5.2743988	9.9999998
2.6976252	7.1234380	9.0000000	4.5948887	5.2802659	5.2792660	5.2802660	9.9999998
2.7000000	7.1359833	9.0079216	4.5908479	5.2849135	5.2839135	5.2849135	9.9999998
2.7680218	7.5000000	9.2348175	4.4780526	5.4180324	5.4170325	5.4180325	9.9999998
2.8000000	7.6742597	9.3414852	4.4269190	5.4806140	5.4796140	5.4806140	9.9999998
2.8099059	7.7286463	9.3745278	4.4113153	5.4999999	5.4990000	5.5000000	9.9999998
2.8099060	7.7286465	9.3745279	4.4113153	5.5000000	5.4990001	5.5000001	9.9999998
2.8104169	7.7314569	9.3762322	4.4105134	5.5009999	5.5000000	5.5010000	9.9999998
2.8171334	7.7684484	9.3986360	4.4000000	5.5141441	5.5131442	5.5141442	9.9999998
2.8475216	7.9369170	9.5000000	4.3530524	5.5736140	5.5726141	5.5736141	9.9999998
2.85688174	8.0000000	9.5376785	4.3358558	5.5957198	5.5947199	5.5957199	9.9999998
2.9000000	8.2321061	9.6750488	4.2742935	5.6763145	5.6753146	5.6763146	9.9999998
2.9468172	8.5000000	9.8312140	4.2063980	5.7679360	5.7669361	5.7679361	9.9999998
2.9513069	8.5259162	9.8461901	4.2000000	5.7767224	5.7757225	5.7767225	9.9999998
2.9974181	8.7943679	1.0000000	4.1353998	5.8669621	5.8659622	5.8669622	9.9999999
3.0000000	8.8095226	1.0008612	4.1318413	5.8720150	5.8710151	5.8720151	9.9999999

V	V*	H ρ	λ	P*	E*	W*	β				
3.0322647	9	1.0116236	7	4.0878840	-14	5.9351571	3	5.9351572	3	9.9999999	-1
3.0653984	9	1.0226758	7	4.0437057	-14	5.9999999	3	5.9990000	3	9.9999999	-1
3.0653984	9	1.0226758	7	4.0437057	-14	6.0000000	3	5.9990001	3	9.9999999	-1
3.0659094	9	1.0228462	7	4.0430319	-14	6.0009999	3	6.0000000	3	9.9999999	-1
3.0988978	9	1.0338500	7	4.0000000	-14	6.0655585	3	6.0645586	3	9.9999999	-1
3.1153698	9	1.0393444	7	3.9788541	-14	6.0977943	3	6.0967944	3	9.9999999	-1
3.1963153	9	1.0663449	7	3.8781073	-14	6.2562049	3	6.2552050	3	9.9999999	-1
3.2000000	9	1.0675740	7	3.8736425	-14	6.2634160	3	6.2624161	3	9.9999999	-1
3.2620246	9	1.0415316	13	3.8000000	-14	6.3847984	3	6.3847985	3	9.9999999	-1
3.2972110	9	1.1000000	7	3.7594544	-14	6.4536583	3	6.4526584	3	9.9999999	-1
3.3208908	9	1.1078987	7	3.7326514	-14	6.4999999	3	6.4990000	3	9.9999999	-1
3.3208909	9	1.1079556	13	3.7326514	-14	6.5000000	3	6.4990001	3	9.9999999	-1
3.3214018	9	1.0797877	13	3.7320773	-14	6.5009999	3	6.5000000	3	9.9999999	-1
3.3523487	9	1.1183919	7	3.6976302	-14	6.5615631	3	6.5605632	3	9.9999999	-1
3.4000000	9	1.1342867	7	3.6458154	-14	6.6548170	3	6.6538171	3	9.9999999	-1
3.4432766	9	1.1487222	7	3.6000000	-14	6.7395094	3	6.7385095	3	9.9999999	-1
3.5014367	9	1.1681223	7	3.5402114	-14	6.8533291	3	6.8523292	3	9.9999999	-1
3.5763833	9	1.1931217	13	3.4660335	-14	6.9999999	3	6.9990000	3	9.9999999	-1
3.5763833	9	1.1931217	7	3.4660334	-14	7.0000000	3	6.9990001	3	9.9999999	-1
3.5768943	9	1.1932922	7	3.4655384	-14	7.0009999	3	7.0000000	3	9.9999999	-1
3.5970039	9	1.2663890	13	3.4461665	-14	7.0403545	3	7.0393546	3	9.9999999	-1
3.6000000	9	1.2684993	13	3.4432988	-14	7.0462180	3	7.0452181	3	9.9999999	-1
3.6444317	9	1.2158202	7	3.4013251	-14	7.1331711	3	7.1321712	3	9.9999999	-1
3.6458523	9	1.2162941	7	3.4000000	-14	7.1359512	3	7.1349513	3	9.9999999	-1
3.7820248	9	1.2617163	7	3.2775989	-14	7.4024415	3	7.4014416	3	9.9999999	-1
3.8000000	9	1.2677121	7	3.2620969	-14	7.4376190	3	7.4366191	3	9.9999999	-1
3.8318758	9	1.2783447	7	3.2349646	-14	7.4999999	3	7.4990000	3	9.9999999	-1
3.8318758	9	1.2783447	7	3.2349645	-14	7.5000000	3	7.4990001	3	9.9999999	-1
3.8323867	9	1.2785152	7	3.2345333	-14	7.5009999	3	7.5000000	3	9.9999999	-1
3.8318757	9	1.2783447	7	3.2349646	-14	7.4999999	3	7.4990000	3	9.9999999	-1
3.8737500	9	1.2923124	7	3.2000000	-14	7.5819481	3	7.5809482	3	9.9999999	-1
3.8967967	9	1.4862482	13	3.1810768	-14	7.6270507	3	7.6260508	3	9.9999999	-1
3.9147856	9	1.3060000	13	3.1664613	-14	7.6622549	3	7.6612550	3	9.9999999	-1
4.0000000	9	1.5660040	13	3.344248	-14	7.8290129	3	7.8280201	3	9.9999999	-1
4.0431899	9	1.6000000	13	3.0659130	-14	7.9135429	3	7.9125429	3	9.9999999	-1
4.0873682	9	1.6351516	13	3.0327793	-14	7.9999999	3	7.9990000	3	9.9999999	-1
4.0873682	9	1.6351517	13	3.0327793	-14	8.0000000	3	7.9990001	3	9.9999999	-1
4.0878791	9	1.6355604	13	3.0324002	-14	8.0009999	3	8.0000000	3	9.9999999	-1
4.1320341	9	1.6710796	13	3.0000000	-14	8.0874113	3	8.0864114	3	9.9999999	-1
4.1676405	9	1.7000000	13	2.9743725	-14	8.1570933	3	8.1560933	3	9.9999999	-1

V	V*	H _p	λ	p*	E*	W*	β								
4.1965896	9	1.7236961	13	1.4000000	7	2.9538570	-14	8.2137469	3	8.2127470	3	8.2137470	3	9.9999999	-1
4.2000000	9	1.7264984	13	1.4011376	7	2.9514588	-14	8.2204210	3	8.2194211	3	8.2204211	3	9.9999999	-1
4.2745356	9	1.7883135	13	1.4259999	7	2.9000000	-14	8.3662876	3	8.3652877	3	8.3662877	3	9.9999999	-1
4.2884815	9	1.8000000	13	1.4306518	7	2.8905705	-14	8.3925797	3	8.3925798	3	8.3925798	3	9.9999999	-1
4.3428606	9	1.8459329	13	1.4487907	7	2.8543805	-14	8.4999999	3	8.4999999	3	8.5000000	3	9.9999999	-1
4.3428606	9	1.8459329	13	1.4487907	7	2.8543805	-14	8.5000000	3	8.4990001	3	8.5000001	3	9.9999999	-1
4.3433716	9	1.8463673	13	1.4489611	7	2.8540447	-14	8.5009999	3	8.5000000	3	8.5010000	3	9.9999999	-1
4.4000000	9	1.8948209	13	1.4678503	7	2.8173172	-14	8.6118220	3	8.6118221	3	8.6118221	3	9.9999999	-1
4.4060099	9	1.9000000	13	1.4698550	7	2.8134747	-14	8.6225834	3	8.6225835	3	8.6225835	3	9.9999999	-1
4.4722159	9	1.9183311	13	1.4769285	7	2.8000000	-14	8.6650836	3	8.6650836	3	8.6650836	3	9.9999999	-1
4.4963825	9	1.9787328	13	1.5000000	7	2.7569332	-14	8.8004431	3	8.7994432	3	8.8004432	3	9.9999999	-1
4.5204840	9	2.0000000	13	1.5080394	7	2.7422360	-14	8.8476099	3	8.8466099	3	8.8476099	3	9.9999999	-1
4.5912057	9	2.0630612	13	1.5316296	7	2.7000000	-14	8.9860126	3	8.9850127	3	8.9860127	3	9.9999999	-1
4.5983531	9	2.0694888	13	1.5340137	7	2.6958038	-14	8.9999999	3	8.9990000	3	9.0000000	3	9.9999999	-1
4.5983531	9	2.0694888	13	1.5340137	7	2.6958038	-14	9.0000000	3	8.9990001	3	9.0000001	3	9.9999999	-1
4.5988640	9	2.0699487	13	1.5341841	7	2.6955043	-14	9.0009999	3	9.0000000	3	9.0010000	3	9.9999999	-1
4.6000000	9	2.0709173	13	1.5345630	7	2.6948387	-14	9.0032230	3	9.0022231	3	9.0032231	3	9.9999999	-1
4.6321304	9	2.1000000	13	1.5452805	7	2.6761483	-14	9.0661023	3	9.0651023	3	9.0661023	3	9.9999999	-1
4.7411486	9	2.2000000	13	1.5816450	7	2.6146194	-14	9.2794515	3	9.2784516	3	9.2794516	3	9.9999999	-1
4.7678102	9	2.2248101	13	1.5905384	7	2.6000000	-14	9.3316285	3	9.3306285	3	9.3316285	3	9.9999999	-1
4.7961754	9	2.2513582	13	1.6000000	7	2.5846249	-14	9.3871393	3	9.3861394	3	9.3871394	3	9.9999999	-1
4.8000000	9	2.2549498	13	1.6012757	7	2.5825657	-14	9.3946240	3	9.3936241	3	9.3946241	3	9.9999999	-1
4.8477160	9	2.3000000	13	1.6171921	7	2.571482	-14	9.4880046	3	9.4870046	3	9.4880046	3	9.9999999	-1
4.8538455	9	2.3058193	13	1.6192366	7	2.5539194	-14	9.4999999	3	9.4990000	3	9.5000000	3	9.9999999	-1
4.8538455	9	2.3058193	13	1.6192366	7	2.5539194	-14	9.5000000	3	9.4990001	3	9.5000001	3	9.9999999	-1
4.8543565	9	2.3063048	13	1.6194071	7	2.5536506	-14	9.5009999	3	9.5000000	3	9.5010000	3	9.9999999	-1
4.9519909	9	2.4000000	13	1.6519744	7	2.5033075	-14	9.6920710	3	9.6910711	3	9.6920711	3	9.9999999	-1
4.9585431	9	2.4063546	13	1.6541599	7	2.5000000	-14	9.7048936	3	9.7038937	3	9.7048937	3	9.9999999	-1
5.0000000	9	2.4467563	13	1.6679885	7	2.4792737	-14	9.7860250	3	9.7850251	3	9.7860251	3	9.9999999	-1
5.0541151	9	2.5000000	13	1.6860393	7	2.4527304	-14	9.8919286	3	9.8909286	3	9.8919286	3	9.9999999	-1
5.0959683	9	2.5415723	13	1.7000000	7	2.4325881	-14	9.9738356	3	9.9728356	3	9.9738356	3	9.9999999	-1
5.1093380	9	2.5549244	13	1.7044596	7	2.4262234	-14	9.9999999	3	9.9990000	3	1.0000000	4	9.9999999	-1
5.1093380	9	2.5549244	13	1.7044596	7	2.4262234	-14	1.0000000	4	9.9990001	3	1.0000000	4	9.9999999	-1
5.1098489	9	2.5554355	13	1.7046301	7	2.4259808	-14	1.0001000	4	1.0000000	4	1.0001000	4	9.9999999	-1
5.1542164	9	2.6000000	13	1.7194294	7	2.4051000	-14	1.0087827	4	1.0086827	4	1.0087827	4	9.9999999	-1
5.1651703	9	2.6110618	13	1.7230833	7	2.4000000	-14	1.0109264	4	1.0108264	4	1.0109264	4	9.9999999	-1
5.2524105	9	2.7000000	13	1.7521834	7	2.3601409	-14	1.0278994	4	1.0278994	4	1.0278994	4	9.9999999	-1
5.3488025	9	2.8000000	13	1.7843363	7	2.3176124	-14	1.0468633	4	1.0467633	4	1.0468633	4	1.0000000	0
5.3897652	9	2.8430465	13	1.7979999	7	2.3000000	-14	1.0548797	4	1.0547797	4	1.0548797	4	1.0000000	0
5.3957612	9	2.8493752	13	1.8000000	7	2.2974443	-14	1.0560532	4	1.0559532	4	1.0560532	4	1.0000000	0

V	V*	H ρ	λ	p*	E*	W*	β
5.4434879	2.9000000	1.8159199	2.2773030	1.0653933	1.0652933	1.0653933	1.0000000
5.5000000	2.9605201	1.8347703	2.2539061	1.0764528	1.0763528	1.0764528	1.0000000
5.5365545	3.0000000	1.8469635	2.2390263	1.0836065	1.0835065	1.0836065	1.0000000
5.6203229	3.0914586	1.8749056	2.2056576	1.1000000	1.0999000	1.1000000	1.0000000
5.6208338	3.0920207	1.8750760	2.2054572	1.1001000	1.1000000	1.1001000	1.0000000
5.6347777	3.1073794	1.8797272	2.2000000	1.1028288	1.1027288	1.1028288	1.0000000
5.6955541	3.1747668	1.9000000	2.1765262	1.1147228	1.1146228	1.1147228	1.0000000
5.7181456	3.2000000	1.9075357	2.1679279	1.1191440	1.1190440	1.1191440	1.0000000
5.8941453	3.4000000	1.9662428	2.1031990	1.1535872	1.1534872	1.1535872	1.0000000
5.9031248	3.4103665	1.9692380	2.1000000	1.1553445	1.1552445	1.1553445	1.0000000
5.9953470	3.5177472	2.0000000	2.0676999	1.1733924	1.1732924	1.1733924	1.0000000
6.0000000	3.5232090	2.0015521	2.0660966	1.1743030	1.1742030	1.1743030	1.0000000
6.0650403	3.6000000	2.0232471	2.0439420	1.1870314	1.1869314	1.1870314	1.0000000
6.1313078	3.6790912	2.0453515	2.0219528	1.2000000	1.1999000	1.2000000	1.0000000
6.1318187	3.6797044	2.0455220	2.0216844	1.2001000	1.2000000	1.2001000	1.0000000
6.1983066	3.7599290	2.0676999	2.0000000	1.2131117	1.2130117	1.2131117	1.0000000
6.2312506	3.8000000	2.0786888	1.9894271	1.2195589	1.2194589	1.2195589	1.0000000
6.2951399	3.8783162	2.1000000	1.9692380	1.2320620	1.2319620	1.2320620	1.0000000
6.3931415	4.0000000	2.1326897	1.9390536	1.2512410	1.2511410	1.2512410	1.0000000
6.5000000	4.11348231	2.1683339	1.9071785	1.2721533	1.2720533	1.2721533	1.0000000
6.5245601	4.1661264	2.1765262	1.9000000	1.2769597	1.2768597	1.2769597	1.0000000
6.5510332	4.2000000	2.1853567	1.8923226	1.2821405	1.2820405	1.2821405	1.0000000
6.5949328	4.2564741	2.2000000	1.8797272	1.2907317	1.2906317	1.2907317	1.0000000
6.6422926	4.3178223	2.2157975	1.8663257	1.3000000	1.2999000	1.3000000	1.0000000
6.6428036	4.3184866	2.2159680	1.8661821	1.3001000	1.3000000	1.3001000	1.0000000
6.7052083	4.4000000	2.2367839	1.8488151	1.3123126	1.3122126	1.3123126	1.0000000
6.8559174	4.6000000	2.2870550	1.8081768	1.3418065	1.3417065	1.3418065	1.0000000
6.8870641	4.6418877	2.2974443	1.8000000	1.3479019	1.3478019	1.3479019	1.0000000
6.8947257	4.6522206	2.3000000	1.7979999	1.3494013	1.3493013	1.3494013	1.0000000
7.0000000	4.7953623	2.3351157	1.7709615	1.3700035	1.3699035	1.3700035	1.0000000
7.0033844	4.8000000	2.3362446	1.7701057	1.3706658	1.3705658	1.3706658	1.0000000
7.1478098	5.0000000	2.3844196	1.7343423	1.3989300	1.3988300	1.3989300	1.0000000
7.1532775	5.0076520	2.3862435	1.7330167	1.4000000	1.3999000	1.4000000	1.0000000
7.1537885	5.0083673	2.3864139	1.7328929	1.4001000	1.4000000	1.4001000	1.0000000
7.1945186	5.0655559	2.4000000	1.73230833	1.4080709	1.4079709	1.4080709	1.0000000
7.2922155	5.2040540	2.4325881	1.7000000	1.4271902	1.4270902	1.4271902	1.0000000
7.4943115	5.4964799	2.5000000	1.6541599	1.4667405	1.4666405	1.4667405	1.0000000
7.4967111	5.5000000	2.5008004	1.6536305	1.4672101	1.4671101	1.4672101	1.0000000
7.5000000	5.5000000	2.5018975	1.6529054	1.4678538	1.4677538	1.4678538	1.0000000
7.6642624	5.7485801	2.5566894	1.6174823	1.5000000	1.4999000	1.5000000	1.0000000

V	V*	H ρ	λ	p*	E*	W*	β
7.6647734	5.7493465	2.5568599	1.6173744	1.5001000	1.5000000	1.5001000	1.0000000
7.7480110	5.8748891	2.5846249	1.6000000	1.5163896	1.5162896	1.5163896	1.0000000
7.7941044	5.9449927	2.6000000	1.5905384	1.5254101	1.5253101	1.5254101	1.0000000
7.8300821	6.0000000	2.6120008	1.5832307	1.5324510	1.5323510	1.5324510	1.0000000
8.0000000	6.2632161	2.6686793	1.5496054	1.5657040	1.5656040	1.5657040	1.0000000
8.0938973	6.4110942	2.7000000	1.5316296	1.5840798	1.5839798	1.5840798	1.0000000
8.1498287	6.5000000	2.7186567	1.5211188	1.5950256	1.5949256	1.5950256	1.0000000
8.1752473	6.5406066	2.7271354	1.5163896	1.6000000	1.5999000	1.6000000	1.0000000
8.1757583	6.5414242	2.7273058	1.5162949	1.6001000	1.6000000	1.6001000	1.0000000
8.2645791	6.6843183	2.7569332	1.5000000	1.6174823	1.6173823	1.6174823	1.0000000
8.3936902	6.8947844	2.8000000	1.4769285	1.6427494	1.6426494	1.6427494	1.0000000
8.4574962	7.0000000	2.8212833	1.4657868	1.6552362	1.6551362	1.6552362	1.0000000
8.5000000	7.0705306	2.8354611	1.4584576	1.6635543	1.6634543	1.6635543	1.0000000
8.6862322	7.3837317	2.8975814	1.4271902	1.7000000	1.6999000	1.7000000	1.0000000
8.6867432	7.3846004	2.8977518	1.4271063	1.7001000	1.7000000	1.7001000	1.0000000
8.6934831	7.3960634	2.9000000	1.4259999	1.7014190	1.7013190	1.7014190	1.0000000
8.7543582	7.5000000	2.9203057	1.4160846	1.7133323	1.7132323	1.7133323	1.0000000
8.8549427	7.6733246	2.9538570	1.4000000	1.7330167	1.7329167	1.7330167	1.0000000
8.9932760	7.9149311	3.0000000	1.3784666	1.7600886	1.7599886	1.7600886	1.0000000
9.0000000	7.9267703	3.0022429	1.3774368	1.7614045	1.7613045	1.7614045	1.0000000
9.014790	8.0000000	3.0160788	1.3711180	1.7695220	1.7694220	1.7695220	1.0000000
9.1972171	8.2779553	3.0680273	1.3479019	1.8000000	1.7999000	1.8000000	1.0000000
9.1977281	8.2788750	3.0681978	1.3478270	1.8001000	1.8000000	1.8001000	1.0000000
9.3197590	8.5000000	3.1089028	1.3301798	1.8239815	1.8238815	1.8239815	1.0000000
9.5000000	8.8319351	3.1690247	1.3049440	1.8592548	1.8591548	1.8592548	1.0000000
9.5361314	8.8992403	3.1810768	1.3000000	1.8663257	1.8662257	1.8663257	1.0000000
9.5899677	9.0000000	3.1990346	1.2927024	1.8768615	1.8767615	1.8768615	1.0000000
9.5928618	9.0054327	3.2000000	1.2923124	1.8774279	1.8773279	1.8774279	1.0000000
9.7082020	9.2232773	3.2384733	1.2769597	1.9000000	1.8999000	1.9000000	1.0000000
9.7087130	9.2242482	3.2386437	1.2768925	1.9001000	1.9000000	1.9001000	1.0000000
9.8527692	9.5000000	3.2866956	1.2582242	1.9282919	1.9281919	1.9282919	1.0000000
1.0000000	9.7860251	3.3358065	1.2397002	1.9571050	1.9570050	1.9571050	1.0000000
1.0108741	10.0000000	3.3720786	1.2263652	1.9783857	1.9782857	1.9783857	1.0000000
1.0192448	10.0166289	3.4000000	1.2162941	1.9947671	1.9946671	1.9947671	1.0000000
1.0219187	10.0219698	3.4089192	1.2131117	2.0000000	1.9999000	2.0000000	1.0000000
1.0219698	10.0220720	3.4090897	1.2130510	2.0001000	2.0000000	2.0001000	1.0000000
1.0330852	10.0444247	3.4461665	1.2000000	2.0218528	2.0217528	2.0218528	1.0000000
1.0602162	10.1000000	3.5366658	1.1692933	2.0749484	2.0748484	2.0749484	1.0000000
1.0730172	10.1267217	3.5793652	1.1553445	2.1000000	2.0999000	2.1000000	1.0000000
1.0730683	10.1268290	3.5795357	1.1552895	2.1001000	2.1000000	2.1001000	1.0000000

V	V*	H _p	λ	p*	E*	W*	β
1.0792033	14	3.6000000	1.1487222	-14	2.1121064	4	1.0000000
1.1000000	14	3.6693701	1.1270054	-14	2.1528055	4	1.0000000
1.1073620	14	3.6939270	1.1195131	-14	2.1672130	4	1.0000000
1.1241157	14	3.7498112	1.1028288	-14	2.2000000	4	1.0000000
1.1241668	14	3.7499816	1.1102777	-14	2.2001000	4	1.0000000
1.1270066	14	3.7594544	1.1000000	-14	2.2056576	4	1.0000000
1.1391619	14	3.8000000	1.0882631	-14	2.2294456	4	1.0000000
1.1525810	14	3.8447611	1.0755934	-14	2.2557068	4	1.0000000
1.1752142	14	3.9202571	1.0548797	-14	2.3000000	4	1.0000000
1.1752653	14	3.9204276	1.0548339	-14	2.3001000	4	1.0000000
1.1960917	14	3.9898972	1.0364678	-14	2.3407575	4	1.0000000
1.1991205	14	4.0000000	1.0338500	-14	2.3467848	4	1.0000000
1.2000000	14	4.0029337	1.0330923	-14	2.3485060	4	1.0000000
1.2263126	14	4.0907031	1.0109264	-14	2.4000000	4	1.0000000
1.2263637	14	4.0908735	1.0108843	-14	2.4001000	4	1.0000000
1.2380744	14	4.1299359	1.0013230	-14	2.4229178	4	1.0000000
1.2397124	14	4.1353998	1.0000000	-14	2.4262234	4	1.0000000
1.2590791	14	4.2000000	9.8461901	-15	2.4640241	4	1.0000000
1.2774111	14	4.2611491	9.7048936	-15	2.5000000	4	1.0000000
1.2774622	14	4.2613195	9.7045054	-15	2.5001000	4	1.0000000
1.2786794	14	4.2653795	9.6952682	-15	2.5024820	4	1.0000000
1.3000000	14	4.3364973	9.5362675	-15	2.5442065	4	1.0000000
1.3049631	14	4.3530524	9.5000000	-15	2.5539194	4	1.0000000
1.3180341	14	4.3966525	9.4057918	-15	2.5794994	4	1.0000000
1.3190377	14	4.4000000	9.3986360	-15	2.5814633	4	1.0000000
1.3285096	14	4.4315950	9.3316285	-15	2.6000000	4	1.0000000
1.3285607	14	4.4317655	9.3312696	-15	2.6001000	4	1.0000000
1.3562474	14	4.5241181	9.1407865	-15	2.6542830	4	1.0000000
1.3774639	14	4.5948887	9.0000000	-15	2.6958038	4	1.0000000
1.3789962	14	4.6000000	8.9899996	-15	2.6988026	4	1.0000000
1.3796081	14	4.6020410	8.9860126	-15	2.6999000	4	1.0000000
1.3796592	14	4.6022114	8.9856798	-15	2.7001000	4	1.0000000
1.3934131	14	4.6480895	8.8969883	-15	2.7270165	4	1.0000000
1.4000000	14	4.6700609	8.8551304	-15	2.7399070	4	1.0000000
1.4296131	14	4.7688392	8.6717115	-15	2.7977599	4	1.0000000
1.4307066	14	4.7724869	8.6650836	-15	2.7999000	4	1.0000000
1.4307577	14	4.7726574	8.6647741	-15	2.8001000	4	1.0000000
1.4389548	14	4.8000000	8.6154163	-15	2.8160418	4	1.0000000
1.4584942	14	4.8651763	8.5000000	-15	2.8542805	4	1.0000000
1.4649187	14	4.8866061	8.4627239	-15	2.8669533	4	1.0000000
1.1212064	4	2.1120064	2.1121064	4	2.1120064	4	2.1121064
1.1528055	4	2.1528055	2.1528055	4	2.1528055	4	2.1528055
1.1672130	4	2.1672130	2.1672130	4	2.1672130	4	2.1672130
1.2000000	4	2.2000000	2.2000000	4	2.2000000	4	2.2000000
1.2001000	4	2.2001000	2.2001000	4	2.2001000	4	2.2001000
1.2056576	4	2.2056576	2.2056576	4	2.2056576	4	2.2056576
1.2294456	4	2.2294456	2.2294456	4	2.2294456	4	2.2294456
1.2557068	4	2.2557068	2.2557068	4	2.2557068	4	2.2557068
1.3000000	4	2.3000000	2.3000000	4	2.3000000	4	2.3000000
1.3001000	4	2.3001000	2.3001000	4	2.3001000	4	2.3001000
1.3407575	4	2.3407575	2.3407575	4	2.3407575	4	2.3407575
1.3467848	4	2.3467848	2.3467848	4	2.3467848	4	2.3467848
1.3485060	4	2.3485060	2.3485060	4	2.3485060	4	2.3485060
1.4000000	4	2.4000000	2.4000000	4	2.4000000	4	2.4000000
1.4001000	4	2.4001000	2.4001000	4	2.4001000	4	2.4001000
1.4229178	4	2.4229178	2.4229178	4	2.4229178	4	2.4229178
1.4262234	4	2.4262234	2.4262234	4	2.4262234	4	2.4262234
1.4640241	4	2.4640241	2.4640241	4	2.4640241	4	2.4640241
1.4999000	4	2.4999000	2.4999000	4	2.4999000	4	2.4999000
1.5000000	4	2.5000000	2.5000000	4	2.5000000	4	2.5000000
1.5024820	4	2.5024820	2.5024820	4	2.5024820	4	2.5024820
1.5442065	4	2.5442065	2.5442065	4	2.5442065	4	2.5442065
1.5539194	4	2.5539194	2.5539194	4	2.5539194	4	2.5539194
1.5794994	4	2.5794994	2.5794994	4	2.5794994	4	2.5794994
1.5814633	4	2.5814633	2.5814633	4	2.5814633	4	2.5814633
1.5999000	4	2.5999000	2.5999000	4	2.5999000	4	2.5999000
1.6001000	4	2.6001000	2.6001000	4	2.6001000	4	2.6001000
1.6542830	4	2.6542830	2.6542830	4	2.6542830	4	2.6542830
1.6958038	4	2.6958038	2.6958038	4	2.6958038	4	2.6958038
1.6988026	4	2.6988026	2.6988026	4	2.6988026	4	2.6988026
1.6999000	4	2.6999000	2.6999000	4	2.6999000	4	2.6999000
1.7001000	4	2.7001000	2.7001000	4	2.7001000	4	2.7001000
1.7270165	4	2.7270165	2.7270165	4	2.7270165	4	2.7270165
1.7399070	4	2.7399070	2.7399070	4	2.7399070	4	2.7399070
1.7977599	4	2.7977599	2.7977599	4	2.7977599	4	2.7977599
1.7999000	4	2.7999000	2.7999000	4	2.7999000	4	2.7999000
1.8001000	4	2.8001000	2.8001000	4	2.8001000	4	2.8001000
1.8160418	4	2.8160418	2.8160418	4	2.8160418	4	2.8160418
1.8542805	4	2.8542805	2.8542805	4	2.8542805	4	2.8542805
1.8669533	4	2.8669533	2.8669533	4	2.8669533	4	2.8669533

V	V*	H _p	λ	p*	E*	W*	β						
1.4818051	10	4.9429329	7	8.3662876	-15	2.9000000	4	2.8999000	4	2.9000000	4	1.0000000	0
1.4818562	10	4.9431034	7	8.3659991	-15	2.9001000	4	2.9000000	4	2.9001000	4	1.0000000	0
1.4989134	10	5.0000000	7	8.2707997	-15	2.9333810	4	2.9333810	4	2.9333810	4	1.0000000	0
1.4993933	10	5.0016008	7	8.2681525	-15	2.9344202	4	2.9344202	4	2.9344202	4	1.0000000	0
1.5000000	10	5.0036245	7	8.2648085	-15	2.9356075	4	2.9356075	4	2.9356075	4	1.0000000	0
1.529036	10	2.994320	7	8.0874113	-15	3.0000000	4	2.9999000	4	3.0000000	4	1.0000000	0
1.5299547	10	2.995853	7	8.0871418	-15	3.0001000	4	3.0000000	4	3.0001000	4	1.0000000	0
1.5330929	10	2.3000000	14	8.0864127	-15	3.0003705	4	3.0002705	4	3.0003705	4	1.0000000	0
1.5496533	10	2.3499557	14	8.0000000	-15	3.0327793	4	3.0326793	4	3.0327793	4	1.0000000	0
1.5660675	10	2.4000000	14	7.9161534	-15	3.0649020	4	3.0648020	4	3.0649020	4	1.0000000	0
1.5983620	10	2.5000000	14	7.7562146	-15	3.1281025	4	3.1280025	4	3.1281025	4	1.0000000	0
1.6000000	10	2.5051264	14	7.7482745	-15	3.1313080	4	3.1312080	4	3.1313080	4	1.0000000	0
1.6300168	10	2.6000000	14	7.6055941	-15	3.1900511	4	3.1899511	4	3.1900511	4	1.0000000	0
1.6351006	10	2.6162427	14	7.5819481	-15	3.2000000	4	3.1999000	4	3.2000000	4	1.0000000	0
1.6351517	10	2.6164062	14	7.5817112	-15	3.2001000	4	3.2000000	4	3.2001000	4	1.0000000	0
1.6488099	10	2.6602963	14	7.5189088	-15	3.2268291	4	3.2267292	4	3.2268292	4	1.0000000	0
1.6529669	10	2.6737273	14	7.5000000	-15	3.2349645	4	3.2348645	4	3.2349645	4	1.0000000	0
1.6610685	10	2.7000000	14	7.4634210	-15	3.2508194	4	3.2507195	4	3.2508195	4	1.0000000	0
1.6915503	10	2.8000000	14	7.3289339	-15	3.3104725	4	3.3103725	4	3.3104725	4	1.0000000	0
1.7000000	10	2.8280423	14	7.2925073	-15	3.3270085	4	3.3269085	4	3.3270085	4	1.0000000	0
1.7214925	10	2.9000000	14	7.2014644	-15	3.4000000	4	3.3690695	4	3.3690695	4	1.0000000	0
1.7372975	10	2.9534927	14	7.1359512	-15	3.4000000	4	3.3999000	4	3.4000000	4	1.0000000	0
1.7373486	10	2.9536664	14	7.1357413	-15	3.4001000	4	3.4000000	4	3.4001000	4	1.0000000	0
1.7509227	10	3.0000000	14	7.0804228	-15	3.4266646	4	3.4265646	4	3.4266646	4	1.0000000	0
1.7710396	10	3.0693298	14	7.0000000	-15	3.4660334	4	3.4659334	4	3.4660334	4	1.0000000	0
1.7987063	10	3.1659724	14	6.8923330	-15	3.5201773	4	3.5200773	4	3.5201773	4	1.0000000	0
1.8000000	10	3.1705281	14	6.8873795	-15	3.5227090	4	3.5226090	4	3.5227090	4	1.0000000	0
1.8003469	10	3.2000000	14	6.8555899	-15	3.5390440	4	3.5389440	4	3.5390440	4	1.0000000	0
1.8394945	10	3.3111821	14	6.7395094	-15	3.6000000	4	3.5999000	4	3.6000000	4	1.0000000	0
1.8395456	10	3.3113661	14	6.7393222	-15	3.6001000	4	3.6000000	4	3.6001000	4	1.0000000	0
1.8640029	10	3.4000000	14	6.6508991	-15	3.6479630	4	3.6478630	4	3.6479630	4	1.0000000	0
1.9000000	10	3.525841	14	6.5248956	-15	3.7184095	4	3.7183095	4	3.7184095	4	1.0000000	0
1.9072774	10	3.5596961	14	6.3621536	-15	3.7326514	4	3.7325514	4	3.7326514	4	1.0000000	0
1.9180446	10	3.6000000	14	6.3980692	-15	3.7537230	4	3.7536230	4	3.7537230	4	1.0000000	0
1.9416915	10	3.6893109	14	6.4769466	-15	3.8000000	4	3.7999000	4	3.8000000	4	1.0000000	0
1.9417426	10	3.6895051	14	6.4771170	-15	3.8001000	4	3.8000000	4	3.8001000	4	1.0000000	0
1.9486028	10	3.7156204	14	6.3621536	-15	3.8135254	4	3.8134254	4	3.8135254	4	1.0000000	0
1.9706049	10	3.8000000	14	6.2911208	-15	3.8565837	4	3.8564837	4	3.8565837	4	1.0000000	0
2.0000000	10	3.9142100	14	6.6714425	-15	3.9141100	4	3.9140100	4	3.9141100	4	1.0000000	0
2.0217993	10	4.0000000	14	6.7441571	-15	3.9566714	4	3.9565714	4	3.9566714	4	1.0000000	0

V	V*	H _P	λ	p*	E*	W*	β
2.0438885	10	6.8178385	6.0655585	4.0000000	3.9999000	4.0000000	1.0000000
2.0439396	10	6.8180089	6.0654069	4.0001000	4.0000000	4.0001000	1.0000000
2.0662214	10	6.8923330	6.0000000	4.0437057	4.0436057	4.0437057	1.0000000
2.0717291	10	6.9107046	5.9840495	4.0544842	4.0543842	4.0544842	1.0000000
2.0984992	10	7.0000000	5.9077140	4.1068735	4.1067735	4.1068735	1.0000000
2.1000000	10	7.0050061	5.9034921	4.1098105	4.1097105	4.1098105	1.0000000
2.1204835	10	7.0733317	5.8464667	4.1498969	4.1497969	4.1498969	1.0000000
2.1460855	10	7.1587304	5.7767224	4.2000000	4.1999000	4.2000000	1.0000000
2.1461366	10	7.1589009	5.7765848	4.2001000	4.2000000	4.2001000	1.0000000
2.1681419	10	7.2323028	5.7179573	4.2431646	4.2430646	4.2431646	1.0000000
2.2000000	10	7.3385697	5.6351578	4.3055110	4.3054110	4.3055110	1.0000000
2.2147751	10	7.3878540	5.5975657	4.3344259	4.3343259	4.3344259	1.0000000
2.2482824	10	7.4996223	5.5141441	4.4000000	4.3999000	4.4000000	1.0000000
2.2483335	10	7.4997928	5.5140188	4.4001000	4.4000000	4.4001000	1.0000000
2.2483957	10	7.5000000	5.5138664	4.4002216	4.4001216	4.4002216	1.0000000
2.2540644	10	7.5189088	5.5000000	4.4113153	4.4112153	4.4113153	1.0000000
2.2604464	10	7.5401969	5.4844719	4.4238049	4.4237049	4.4238049	1.0000000
2.3000000	10	7.6721333	5.3901564	4.5012115	4.5011115	4.5012115	1.0000000
2.3504794	10	7.8405143	5.2743987	4.6000000	4.5999000	4.6000000	1.0000000
2.3505305	10	7.8406847	5.2742840	4.6001000	4.6000000	4.6001000	1.0000000
2.3707787	10	7.9082252	5.2292388	4.6397258	4.6396258	4.6397258	1.0000000
2.3982921	10	8.0000000	5.1692498	4.6935697	4.6934697	4.6935697	1.0000000
2.4000000	10	8.0056969	5.1655713	4.6969120	4.6968120	4.6969120	1.0000000
2.4526764	10	8.1814062	5.0546321	4.8000000	4.7999000	4.8000000	1.0000000
2.4527275	10	8.1815766	5.0545268	4.8001000	4.8000000	4.8001000	1.0000000
2.4761998	10	8.2598719	5.0066150	4.8460355	4.8459355	4.8460355	1.0000000
2.4794759	10	8.2707997	5.0000000	4.8524468	4.8523468	4.8524468	1.0000000
2.5000000	10	8.3392605	4.9589527	4.8926125	4.8925125	4.8926125	1.0000000
2.5481886	10	8.5000000	4.8651763	4.9869178	4.9868178	4.9869178	1.0000000
2.5548734	10	8.5222981	4.8524468	5.0000000	4.9999000	5.0000000	1.0000000
2.5549245	10	8.5224686	4.8523498	5.0001000	5.0000000	5.0001000	1.0000000
2.5773126	10	8.5971472	4.8102001	5.0439137	5.0438137	5.0439137	1.0000000
2.5827895	10	8.6154163	4.8000000	5.0546321	5.0545321	5.0546321	1.0000000
2.6000000	10	8.6728241	4.7682275	5.0883150	5.0882150	5.0883150	1.0000000
2.6746056	10	8.9216813	4.6352248	5.2343166	5.2342166	5.2343166	1.0000000
2.6950870	10	9.0000000	4.6000000	5.2743987	5.2742987	5.2743987	1.0000000
2.6980850	10	9.0000000	4.5948887	5.2802659	5.2801659	5.2802659	1.0000000
2.7000000	10	9.0063877	4.5916298	5.2840135	5.2839135	5.2840135	1.0000000
2.7684816	10	9.2348175	4.4780526	5.4180324	5.4179324	5.4180324	1.0000000
2.8000000	10	9.3399513	4.4276460	5.4797140	5.4796140	5.4797140	1.0000000

V	V*	H _p	λ	p*	E*	W*	β						
2.8103658	10	7.7286465	14	9.3745279	7	4.4113153	-15	5.5000000	4	5.4999000	4	5.5000000	0
2.8104169	10	7.7289276	14	9.3746984	7	4.4112351	-15	5.5001000	4	5.5000000	4	5.5001000	0
2.8175932	10	7.7684484	14	9.3986360	7	4.4000000	-15	5.5141441	4	5.5140441	4	5.5141441	0
2.8479815	10	7.9369170	14	9.5000000	7	4.3530524	-15	5.5736140	4	5.5735140	4	5.5736140	0
2.8592772	10	8.0000000	14	9.5376785	7	4.3358558	-15	5.5957198	4	5.5956198	4	5.5957198	0
2.9000000	10	8.2294961	14	9.6735149	7	4.2749712	-15	5.6754145	4	5.6753146	4	5.6754146	0
2.9472770	10	8.5000000	14	9.8312140	7	4.2063980	-15	5.7679360	4	5.7679360	4	5.7679360	0
2.9717668	10	8.2559162	14	9.8461901	7	4.2000000	-15	5.7767224	4	5.7766224	4	5.7767224	0
2.9978779	10	8.7943679	14	1.0000000	8	4.1353998	-15	5.8669621	4	5.8668621	4	5.8669621	0
3.0000000	10	8.8068226	14	1.0000709	8	4.1324746	-15	5.8711150	4	5.8710151	4	5.8711151	0
3.0327245	10	9.0000000	14	1.0116236	8	4.0878840	-15	5.9351571	4	5.9350571	4	5.9351571	0
3.0658583	10	9.1977281	14	1.0226758	8	4.0437057	-15	6.0000000	4	5.9999000	4	6.0000000	0
3.0659094	10	9.1980347	14	1.0236928	8	4.0436383	-15	6.0001000	4	6.0000000	4	6.0001000	0
3.0993577	10	9.3998226	14	1.0338500	8	4.0000000	-15	6.0655585	4	6.0654585	4	6.0655585	0
3.1158297	10	9.5000000	14	1.0393444	8	3.9788541	-15	6.0977943	4	6.0976943	4	6.0977943	0
3.1967751	10	1.0000000	15	1.0663449	8	3.8781073	-15	6.2562049	4	6.2561049	4	6.2562049	0
3.2000000	10	1.0020186	15	1.0674206	8	3.8741991	-15	6.2625161	4	6.2624161	4	6.2625161	0
3.2624844	10	1.0415316	15	1.0882631	8	3.8000000	-15	6.3847984	4	6.3846984	4	6.3847984	0
3.2976708	10	1.0641185	15	1.1000000	8	3.7594544	-15	6.4535583	4	6.4534583	4	6.4535583	0
3.3213507	10	1.0794556	15	1.1078988	8	3.7326514	-15	6.5000000	4	6.4999000	4	6.5000000	0
3.3214018	10	1.0794888	15	1.1079158	8	3.7325940	-15	6.5001000	4	6.5000000	4	6.5001000	0
3.3528085	10	1.1000000	15	1.1183919	8	3.6976302	-15	6.5615631	4	6.5614631	4	6.5615631	0
3.4000000	10	1.1311829	15	1.1341333	8	3.6463085	-15	6.6539171	4	6.6538171	4	6.6539171	0
3.4437364	10	1.1604719	15	1.1487222	8	3.6000000	-15	6.7395094	4	6.7394095	4	6.7395095	0
3.5018966	10	1.2000000	15	1.1681223	8	3.5402114	-15	6.8533291	4	6.8532291	4	6.8533291	0
3.5768432	10	1.2519130	15	1.1931217	8	3.4660334	-15	7.0000000	4	6.9999000	4	7.0000000	0
3.5768943	10	1.2519488	15	1.1931388	8	3.4659839	-15	7.0001000	4	7.0000000	4	7.0001000	0
3.5974637	10	1.2663890	15	1.2000000	8	3.4461665	-15	7.0403545	4	7.0402545	4	7.0403545	0
3.6000000	10	1.2681753	15	1.2008460	8	3.4437386	-15	7.0452181	4	7.0451181	4	7.0452181	0
3.6448916	10	1.3000000	15	1.2158202	8	3.4013251	-15	7.1337111	4	7.1336111	4	7.1337111	0
3.6463122	10	1.3010135	15	1.2162941	8	3.4000000	-15	7.1359512	4	7.1358512	4	7.1359512	0
3.7824847	10	1.4000000	15	1.2617163	8	3.2775989	-15	7.4024415	4	7.4023415	4	7.4024415	0
3.8000000	10	1.4129956	15	1.2675587	8	3.2624917	-15	7.4367191	4	7.4366191	4	7.4367191	0
3.8323356	10	1.4371450	15	1.2783447	8	3.2349645	-15	7.5000000	4	7.4999000	4	7.5000000	0
3.8323867	10	1.4371833	15	1.2783618	8	3.2349214	-15	7.5001000	4	7.5000000	4	7.5001000	0
3.8742099	10	1.4687223	15	1.2923124	8	3.2000000	-15	7.5819481	4	7.5818481	4	7.5819481	0
3.8742566	10	1.4682482	15	1.3000000	8	3.1810768	-15	7.6270507	4	7.6269507	4	7.6270507	0
3.9152454	10	1.5000000	15	1.3060000	8	3.1664613	-15	7.6622549	4	7.6621549	4	7.6622549	0
4.0000000	10	1.5656440	15	1.3342715	8	3.0993692	-15	7.8281201	4	7.8280201	4	7.8281201	0
4.0436498	10	1.6000000	15	1.3488314	8	3.0659130	-15	7.9135429	4	7.9134429	4	7.9135429	0

<i>V</i>	<i>V</i> *	<i>H_p</i>	λ	<i>P</i> *	<i>E</i> *	<i>W</i> *	β
4.0878281	10	1.3635677	3.0327793	8.0000000	7.9999000	8.0000000	1.0000000
4.0878791	10	1.3635847	3.0327413	8.0001000	8.0000000	8.0001000	1.0000000
4.1324939	10	1.3784666	3.0000000	8.0874113	8.0873113	8.0874113	1.0000000
4.1681003	10	1.3903436	2.91743725	8.1570933	8.1569933	8.1570933	1.0000000
4.1970495	10	1.4000000	2.9538570	8.2137469	8.2136469	8.2137469	1.0000000
4.2000000	10	1.4009842	2.9517820	8.2195211	8.2194211	8.2195211	1.0000000
4.2749955	10	1.4259999	2.9000000	8.3662876	8.3661876	8.3662876	1.0000000
4.2889413	10	1.4306518	2.8905705	8.3935797	8.3934797	8.3935797	1.0000000
4.3433205	10	1.4487907	2.8543805	8.5000000	8.4999000	8.5000000	1.0000000
4.3433716	10	1.4488077	2.8543469	8.5001000	8.5000000	8.5001000	1.0000000
4.4000000	10	1.4676969	2.8176116	8.6109221	8.6108221	8.6109221	1.0000000
4.4064697	10	1.4698550	2.8134747	8.6235834	8.6234834	8.6235834	1.0000000
4.4276757	10	1.4769285	2.8000000	8.6650836	8.6649836	8.6650836	1.0000000
4.4968424	10	1.5000000	2.7569332	8.8004431	8.8003431	8.8004431	1.0000000
4.5209439	10	1.5080394	2.7422360	8.8476099	8.8475099	8.8476099	1.0000000
4.5916656	10	1.5316296	2.7000000	8.9860126	8.9859126	8.9860126	1.0000000
4.5988129	10	1.5340137	2.6958038	9.0000000	8.9999000	9.0000000	1.0000000
4.5988640	10	1.5340307	2.6957738	9.0001000	9.0000000	9.0001000	1.0000000
4.6000000	10	1.5344096	2.6951081	9.0023231	9.0022231	9.0023231	1.0000000
4.6325902	10	1.5452805	2.6761483	9.0661023	9.0660023	9.0661023	1.0000000
4.7416085	10	1.5816450	2.6146194	9.2794515	9.2793515	9.2794515	1.0000000
4.7682701	10	1.5905384	2.6000000	9.3316285	9.3315285	9.3316285	1.0000000
4.7966353	10	1.6000000	2.5846249	9.3871393	9.3870394	9.3871394	1.0000000
4.8000000	10	1.6011223	2.5828131	9.3937241	9.3936241	9.3937241	1.0000000
4.8481759	10	1.6171921	2.5571482	9.4880046	9.4879046	9.4880046	1.0000000
4.8543054	10	1.6192366	2.5539914	9.5000000	9.4999000	9.5000000	1.0000000
4.8543565	10	1.6192537	2.5538925	9.5001000	9.5000000	9.5001000	1.0000000
4.9254508	10	1.6519744	2.5033075	9.6920710	9.6919710	9.6920710	1.0000000
4.9590029	10	1.6541599	2.5000000	9.7048936	9.7047936	9.7048936	1.0000000
5.0000000	10	1.6678351	2.4795017	9.7851251	9.7850251	9.7851251	1.0000000
5.0545750	10	1.6860393	2.4527304	9.8919286	9.8918286	9.8919286	1.0000000
5.0964282	10	1.7000000	2.4325881	9.9738356	9.9737356	9.9738356	1.0000000
5.11097978	10	1.7044596	2.4262234	1.0000000	9.9999000	1.0000000	1.0000000
5.1098489	10	1.7044767	2.4261991	1.0000100	1.0000000	1.0000100	1.0000000
5.1546763	10	1.7194294	2.4051000	1.0087827	1.0087727	1.0087827	1.0000000
5.1656302	10	1.7230833	2.4000000	1.0109264	1.0109164	1.0109264	1.0000000
5.2528704	10	1.7521834	2.3601409	1.0279994	1.0279894	1.0279994	1.0000000
5.3492623	10	1.7843363	2.3176124	1.0468633	1.0468533	1.0468633	1.0000000
5.3902250	10	1.7979999	2.3000000	1.0548797	1.0548697	1.0548797	1.0000000
5.3962211	10	1.8000000	2.2974443	1.0560532	1.0560432	1.0560532	1.0000000

V	V^*	$H\rho$	λ	p^*	E^*	W^*	β						
5.4439478	10	1.8159199	8	2.2773030	-15	1.0653933	5	1.0653933	5	1.0653933	5	1.0000000	0
5.5000000	10	1.8346169	8	2.2540945	-15	1.0763628	5	1.0763628	5	1.0763628	5	1.0000000	0
5.5370143	10	1.8469635	8	2.2390263	-15	1.0836065	5	1.0836065	5	1.0836065	5	1.0000000	0
5.6207827	10	1.8749056	8	2.2056576	-15	1.1000000	5	1.1000000	5	1.1000000	5	1.0000000	0
5.6208338	10	1.8749226	8	2.2056376	-15	1.1000100	5	1.1000100	5	1.1000100	5	1.0000000	0
5.6352376	10	1.8797272	8	2.2000000	-15	1.1028288	5	1.1028288	5	1.1028288	5	1.0000000	0
5.6960140	10	1.9000000	8	2.1765262	-15	1.1147228	5	1.1147228	5	1.1147228	5	1.0000000	0
5.7186055	10	1.9075357	8	2.1679279	-15	1.1191440	5	1.1191440	5	1.1191440	5	1.0000000	0
5.8946052	10	1.9662428	8	2.1031990	-15	1.1535872	5	1.1535872	5	1.1535872	5	1.0000000	0
5.90335847	10	1.9692380	8	2.1000000	-15	1.1553345	5	1.1553345	5	1.1553345	5	1.0000000	0
5.9958069	10	2.0000000	8	2.0676999	-15	1.1733924	5	1.1733924	5	1.1733924	5	1.0000000	0
6.0000000	10	2.0013987	8	2.0662549	-15	1.1742130	5	1.1742130	5	1.1742130	5	1.0000000	0
6.0655002	10	2.0232471	8	2.0439420	-15	1.1870314	5	1.1870314	5	1.1870314	5	1.0000000	0
6.1317676	10	2.0453515	8	2.0218528	-15	1.2000000	5	1.2000000	5	1.2000000	5	1.0000000	0
6.1318187	10	2.0453686	8	2.0218360	-15	1.2000100	5	1.2000100	5	1.2000100	5	1.0000000	0
6.1987664	10	2.0676999	8	2.0000000	-15	1.2131117	5	1.2131117	5	1.2131117	5	1.0000000	0
6.2317104	10	2.0786888	8	1.9894271	-15	1.2195589	5	1.2195589	5	1.2195589	5	1.0000000	0
6.2955998	10	2.1000000	8	1.9692380	-15	1.2320620	5	1.2320620	5	1.2320620	5	1.0000000	0
6.3936013	10	2.1326897	8	1.9390536	-15	1.2512410	5	1.2512410	5	1.2512410	5	1.0000000	0
6.5000000	10	2.1681805	8	1.9073135	-15	1.2720633	5	1.2720633	5	1.2720633	5	1.0000000	0
6.5250200	10	2.1765262	8	1.9000000	-15	1.2769597	5	1.2769597	5	1.2769597	5	1.0000000	0
6.5514931	10	2.1853567	8	1.8923226	-15	1.2821405	5	1.2821405	5	1.2821405	5	1.0000000	0
6.5953927	10	2.2000000	8	1.8797272	-15	1.2907317	5	1.2907317	5	1.2907317	5	1.0000000	0
6.6427525	10	2.2157975	8	1.8663257	-15	1.3000000	5	1.3000000	5	1.3000000	5	1.0000000	0
6.6428036	10	2.2158146	8	1.8663113	-15	1.3000100	5	1.3000100	5	1.3000100	5	1.0000000	0
6.7056682	10	2.2367839	8	1.8488151	-15	1.3123126	5	1.3123126	5	1.3123126	5	1.0000000	0
6.8563773	10	2.2870550	8	1.8081768	-15	1.3418065	5	1.3418065	5	1.3418065	5	1.0000000	0
6.8875239	10	2.2974443	8	1.8000000	-15	1.3479019	5	1.3479019	5	1.3479019	5	1.0000000	0
6.8951856	10	2.3000000	8	1.7979999	-15	1.3494013	5	1.3494013	5	1.3494013	5	1.0000000	0
7.0000000	10	2.3349623	8	1.7710778	-15	1.3699135	5	1.3699135	5	1.3699135	5	1.0000000	0
7.0038442	10	2.3362446	8	1.7701057	-15	1.3706658	5	1.3706658	5	1.3706658	5	1.0000000	0
7.1482696	10	2.3844196	8	1.7343423	-15	1.3989300	5	1.3989300	5	1.3989300	5	1.0000000	0
7.1537374	10	2.3862435	8	1.7330167	-15	1.4000000	5	1.4000000	5	1.4000000	5	1.0000000	0
7.1537885	10	2.3862605	8	1.7330043	-15	1.4000100	5	1.4000100	5	1.4000100	5	1.0000000	0
7.1949785	10	2.4000000	8	1.7230833	-15	1.4080709	5	1.4080709	5	1.4080709	5	1.0000000	0
7.2926754	10	2.4325881	8	1.7000000	-15	1.4271902	5	1.4271902	5	1.4271902	5	1.0000000	0
7.4947714	10	2.5000000	8	1.6541599	-15	1.4667405	5	1.4667405	5	1.4667405	5	1.0000000	0
7.4971709	10	2.5008004	8	1.6536305	-15	1.4672101	5	1.4672101	5	1.4672101	5	1.0000000	0
7.5000000	10	2.5017441	8	1.6530067	-15	1.4677638	5	1.4677638	5	1.4677638	5	1.0000000	0
7.6647223	10	2.5566684	8	1.6174823	-15	1.5000000	5	1.5000000	5	1.5000000	5	1.0000000	0

<i>V</i>	<i>V*</i>	<i>H_p</i>	λ	<i>P*</i>	<i>E*</i>	<i>W*</i>	β						
7.6647734	10	5.7486567	15	2.5567065	8	1.6174715	-15	1.5000100	5	1.5000000	5	1.5000000	0
7.7484708	10	5.8748891	15	2.5846249	8	1.6000000	-15	1.5163896	5	1.5163796	5	1.5163896	0
7.7945643	10	5.9449927	15	2.6000000	8	1.5905384	-15	1.5254101	5	1.5254001	5	1.5254101	0
7.8305419	10	6.0000000	15	2.6120008	8	1.5832307	-15	1.5324510	5	1.5324410	5	1.5324510	0
8.0000000	10	6.2624961	15	2.6685259	8	1.5496945	-15	1.5656140	5	1.5656040	5	1.5656140	0
8.0943572	10	6.4110942	15	2.7000000	8	1.5316296	-15	1.5840798	5	1.5840698	5	1.5840798	0
8.1502885	10	6.5000000	15	2.7186567	8	1.5211188	-15	1.5950256	5	1.5950256	5	1.5950256	0
8.1757072	10	6.5406066	15	2.7271354	8	1.5163896	-15	1.6000000	5	1.5999900	5	1.6000000	0
8.1757583	10	6.5406884	15	2.7271524	8	1.5163801	-15	1.6000100	5	1.6000000	5	1.6000100	0
8.2650389	10	6.6843183	15	2.7569332	8	1.5000000	-15	1.6174823	5	1.6174723	5	1.6174823	0
8.3941501	10	6.8947844	15	2.8000000	8	1.4769285	-15	1.6427494	5	1.6427394	5	1.6427494	0
8.4579561	10	7.0000000	15	2.8212833	8	1.4657868	-15	1.6552362	5	1.6552262	5	1.6552362	0
8.5000000	10	7.0697656	15	2.8353077	8	1.4585365	-15	1.6634643	5	1.6634543	5	1.6634643	0
8.6866921	10	7.3837317	15	2.8975814	8	1.4271902	-15	1.7000000	5	1.6999900	5	1.7000000	0
8.6867432	10	7.3838186	15	2.8975984	8	1.4271818	-15	1.7000100	5	1.7000000	5	1.7000100	0
8.6939430	10	7.3960634	15	2.9000000	8	1.4259999	-15	1.7014190	5	1.7014090	5	1.7014190	0
8.7548181	10	7.5000000	15	2.9203057	8	1.4160846	-15	1.7133323	5	1.7133223	5	1.7133323	0
8.8554025	10	7.6733246	15	2.9538570	8	1.4000000	-15	1.7330167	5	1.7330067	5	1.7330167	0
8.9937359	10	7.9149311	15	3.0000000	8	1.3784666	-15	1.7600886	5	1.7600786	5	1.7600886	0
9.0000000	10	7.9259603	15	3.0020895	8	1.3775072	-15	1.7613145	5	1.7613045	5	1.7613145	0
9.0419389	10	8.0000000	15	3.0160788	8	1.3711180	-15	1.7695220	5	1.7695120	5	1.7695220	0
9.1976770	10	8.2779553	15	3.0680273	8	1.3479019	-15	1.8000000	5	1.7999900	5	1.8000000	0
9.1977281	10	8.2780473	15	3.0680444	8	1.3478944	-15	1.8000100	5	1.8000000	5	1.8000100	0
9.3202189	10	8.5000000	15	3.1089028	8	1.3301798	-15	1.8239815	5	1.8239715	5	1.8239815	0
9.5000000	10	8.8310801	15	3.1688713	8	1.3050072	-15	1.8591648	5	1.8591548	5	1.8591648	0
9.5365913	10	8.8992403	15	3.1810768	8	1.3000000	-15	1.8663257	5	1.8663157	5	1.8663257	0
9.5904276	10	9.0000000	15	3.1990346	8	1.2927024	-15	1.8768615	5	1.8768515	5	1.8768615	0
9.5933217	10	9.0054327	15	3.2000000	8	1.2923124	-15	1.8774279	5	1.8774179	5	1.8774279	0
9.7086619	10	9.2232773	15	3.2384733	8	1.2769597	-15	1.9000000	5	1.8999900	5	1.9000000	0
9.7087130	10	9.2233744	15	3.2384903	8	1.2769530	-15	1.9000100	5	1.9000000	5	1.9000100	0
9.8532291	10	9.5000000	15	3.2866956	8	1.2582242	-15	1.9282919	5	1.9282819	5	1.9282919	0
1.0000000	11	9.7851251	15	3.3556531	8	1.2397572	-15	1.9570150	5	1.9570050	5	1.9570150	0
1.0109201	11	1.0000000	16	3.3720786	8	1.2263652	-15	1.9783857	5	1.9783757	5	1.9783857	0
1.0192908	11	1.0166289	16	3.4000000	8	1.2162941	-15	1.9947671	5	1.9947571	5	1.9947671	0
1.0219647	11	1.0219698	16	3.4089192	8	1.2131117	-15	2.0000000	5	1.9999900	5	2.0000000	0
1.0219698	11	1.0219800	16	3.4089363	8	1.2131056	-15	2.0000100	5	2.0000000	5	2.0000100	0
1.0331311	11	1.0444247	16	3.4461665	8	1.2000000	-15	2.0218528	5	2.0218428	5	2.0218528	0
1.0602622	11	1.1000000	16	3.5366658	8	1.1692933	-15	2.0749484	5	2.0749384	5	2.0749484	0
1.0730632	11	1.1267217	16	3.5793652	8	1.1553445	-15	2.0999900	5	2.0999800	5	2.0999900	0
1.0730683	11	1.1267324	16	3.5793823	8	1.1553495	-15	2.1000000	5	2.1000000	5	2.1000100	0

V	V*	H _p	λ	p*	E*	W*	β						
1.0792493	11	3.6000000	8	1.1487222	-15	2.1121064	5	2.1121064	5	2.1121064	5	1.0000000	0
1.1000000	11	3.6692167	8	1.1270525	-15	2.1527155	5	2.1527155	5	2.1527155	5	1.0000000	0
1.1074080	11	3.6939270	8	1.1195131	-15	2.1672130	5	2.1672130	5	2.1672130	5	1.0000000	0
1.1241617	11	3.7498112	8	1.1102828	-15	2.2000000	5	2.2000000	5	2.2000000	5	1.0000000	0
1.1241668	11	3.7498282	8	1.1102823	-15	2.2000100	5	2.2000100	5	2.2000100	5	1.0000000	0
1.1270526	11	3.7594544	8	1.1000000	-15	2.2056576	5	2.2056576	5	2.2056576	5	1.0000000	0
1.1392079	11	3.8000000	8	1.0882631	-15	2.2294456	5	2.2294456	5	2.2294456	5	1.0000000	0
1.1526270	11	3.8447611	8	1.0755934	-15	2.2557068	5	2.2557068	5	2.2557068	5	1.0000000	0
1.1752601	11	3.9202571	8	1.0548797	-15	2.2999900	5	2.2999900	5	2.2999900	5	1.0000000	0
1.1752653	11	3.9202742	8	1.0548752	-15	2.3000100	5	2.3000100	5	2.3000100	5	1.0000000	0
1.1961377	11	3.9898972	8	1.0364678	-15	2.3408575	5	2.3408575	5	2.3408575	5	1.0000000	0
1.1991665	11	4.0000000	8	1.0338500	-15	2.3467848	5	2.3467848	5	2.3467848	5	1.0000000	0
1.2000000	11	4.0027803	8	1.0331319	-15	2.3484160	5	2.3484160	5	2.3484160	5	1.0000000	0
1.2263586	11	4.0907031	8	1.0109264	-15	2.4000000	5	2.3999900	5	2.4000000	5	1.0000000	0
1.2263637	11	4.0907201	8	1.0109222	-15	2.4000100	5	2.4000100	5	2.4000100	5	1.0000000	0
1.2381204	11	4.1299359	8	1.0013230	-15	2.4230178	5	2.4230178	5	2.4230178	5	1.0000000	0
1.2397584	11	4.1353998	8	1.0000000	-15	2.4262234	5	2.4262234	5	2.4262234	5	1.0000000	0
1.2591251	11	4.2000000	8	9.8461901	-16	2.4641241	5	2.4641241	5	2.4641241	5	1.0000000	0
1.2774571	11	4.2611491	8	9.7048936	-16	2.5000000	5	2.4999900	5	2.5000000	5	1.0000000	0
1.2774622	11	4.2611661	8	9.7048548	-16	2.5000100	5	2.5000100	5	2.5000100	5	1.0000000	0
1.287254	11	4.2653795	8	9.6952682	-16	2.5024820	5	2.5024820	5	2.5024820	5	1.0000000	0
1.3000000	11	4.3363439	8	9.5366049	-16	2.5441165	5	2.5441165	5	2.5441165	5	1.0000000	0
1.3050091	11	4.3530524	8	9.5000000	-16	2.5539194	5	2.5539094	5	2.5539194	5	1.0000000	0
1.3180801	11	4.3966525	8	9.4057918	-16	2.5794994	5	2.5794994	5	2.5794994	5	1.0000000	0
1.3190837	11	4.4000000	8	9.3986360	-16	2.5814633	5	2.5814533	5	2.5814633	5	1.0000000	0
1.3285556	11	4.4315950	8	9.3316285	-16	2.6000000	5	2.5999900	5	2.6000000	5	1.0000000	0
1.3285607	11	4.4316121	8	9.3315926	-16	2.6000100	5	2.6000000	5	2.6000100	5	1.0000000	0
1.3562934	11	4.5241181	8	9.1407865	-16	2.6542830	5	2.6542730	5	2.6542830	5	1.0000000	0
1.3775099	11	4.5948887	8	9.0000000	-16	2.6958038	5	2.6957938	5	2.6958038	5	1.0000000	0
1.3790422	11	4.6000000	8	8.9899996	-16	2.6988026	5	2.6987926	5	2.6988026	5	1.0000000	0
1.3796541	11	4.6020410	8	8.9860126	-16	2.7000000	5	2.6999900	5	2.7000000	5	1.0000000	0
1.3796592	11	4.6020580	8	8.9859793	-16	2.7000100	5	2.7000000	5	2.7000100	5	1.0000000	0
1.3934591	11	4.6480895	8	8.8969883	-16	2.7270165	5	2.7270065	5	2.7270165	5	1.0000000	0
1.4000000	11	4.6699075	8	8.8554213	-16	2.7398170	5	2.7398070	5	2.7398170	5	1.0000000	0
1.4296590	11	4.7688392	8	8.6717115	-16	2.7978599	5	2.7978499	5	2.7978599	5	1.0000000	0
1.4307526	11	4.7724869	8	8.6650836	-16	2.8000000	5	2.7999900	5	2.8000000	5	1.0000000	0
1.4307577	11	4.7725040	8	8.6650526	-16	2.8000100	5	2.8000000	5	2.8000100	5	1.0000000	0
1.4390008	11	4.8000000	8	8.6154163	-16	2.8161418	5	2.8161318	5	2.8161418	5	1.0000000	0
1.4585402	11	4.8651763	8	8.5000000	-16	2.8543805	5	2.8543705	5	2.8543805	5	1.0000000	0
1.4649647	11	4.8866061	8	8.4627239	-16	2.8669533	5	2.8669433	5	2.8669533	5	1.0000000	0

V	V*	H ρ	λ	P*	E*	W*	β
1.4818511	11	4.9429329	8.3662876	2.9000000	2.8999900	2.9000000	1.0000000
1.4818562	11	4.9429500	8.3662587	2.9000100	2.9000000	2.9000100	1.0000000
1.4989594	11	5.0000000	8.2707996	2.9334810	2.9334710	2.9334810	1.0000000
1.4994393	11	5.0016008	8.2681525	2.9344202	2.9344102	2.9344202	1.0000000
1.5000000	11	5.0034711	8.2650619	2.9355175	2.9355075	2.9355175	1.0000000
1.5329496	11	5.1133789	8.0874113	3.0000000	2.9999900	3.0000000	1.0000000
1.5329547	11	5.1133959	8.0873844	3.0000100	3.0000000	3.0000100	1.0000000
1.5331389	11	5.1140104	8.0864127	3.0003705	3.0003605	3.0003705	1.0000000
1.5496993	11	5.1692498	8.0000000	3.0327793	3.0327693	3.0327793	1.0000000
1.5661135	11	5.2240017	7.9161534	3.0649020	3.0648920	3.0649020	1.0000000
1.5984080	11	5.3317244	7.7562146	3.1281025	3.1280925	3.1281025	1.0000000
1.6000000	11	5.3370347	7.7484972	3.1312180	3.1312080	3.1312180	1.0000000
1.6300628	11	5.4373133	7.6055941	3.1900411	3.1900411	3.1900511	1.0000000
1.6351465	11	5.4542708	7.5819481	3.2000000	3.1999900	3.2000000	1.0000000
1.6351517	11	5.4542878	7.5819244	3.2000100	3.2000000	3.2000100	1.0000000
1.6488558	11	5.5000000	7.5189088	3.2268292	3.2268192	3.2268292	1.0000000
1.6530129	11	5.5138664	7.5000000	3.2349645	3.2349545	3.2349645	1.0000000
1.6611145	11	5.5408905	7.4634210	3.2508194	3.2508094	3.2508194	1.0000000
1.6915963	11	5.6425667	7.3289339	3.3104725	3.3104625	3.3104725	1.0000000
1.7000000	11	5.6705983	7.2927046	3.3269185	3.3269085	3.3269185	1.0000000
1.7215385	11	5.7424429	7.2014644	3.3690695	3.3690595	3.3690695	1.0000000
1.7373435	11	5.7951627	7.1359512	3.4000100	3.3999900	3.4000100	1.0000000
1.7373486	11	5.7951798	7.1359302	3.4000000	3.4000000	3.4000100	1.0000000
1.7509687	11	5.8406114	7.0804228	3.4266646	3.4266546	3.4266646	1.0000000
1.7710856	11	5.9077140	7.0000000	3.4660334	3.4660234	3.4660334	1.0000000
1.7987523	11	6.0000000	6.8923330	3.5201773	3.5201673	3.5201773	1.0000000
1.8000000	11	6.0041619	6.8875555	3.5226190	3.5226090	3.5226190	1.0000000
1.8083929	11	6.0321575	6.8555899	3.5390440	3.5390340	3.5390440	1.0000000
1.8395405	11	6.1360546	6.7395094	3.6000000	3.5999900	3.6000000	1.0000000
1.8395456	11	6.1360717	6.7394907	3.6000100	3.6000000	3.6000100	1.0000000
1.8640489	11	6.2178057	6.6508991	3.6479630	3.6479530	3.6479630	1.0000000
1.9000000	11	6.3377255	6.5250535	3.7183195	3.7183095	3.7183195	1.0000000
1.9073234	11	6.3621536	6.5000000	3.7326514	3.7326414	3.7326514	1.0000000
1.9180906	11	6.3980692	6.4635122	3.7537230	3.7537130	3.7537230	1.0000000
1.9417375	11	6.4769466	6.3847984	3.8000000	3.7999900	3.8000000	1.0000000
1.9417426	11	6.4769636	6.3847816	3.8000100	3.8000000	3.8000100	1.0000000
1.9486487	11	6.5000000	6.3621536	3.8135254	3.8135154	3.8135254	1.0000000
1.9706509	11	6.5733913	6.2911208	3.8565837	3.8565737	3.8565837	1.0000000
2.0000000	11	6.6712891	6.1988017	3.9140200	3.9140100	3.9140200	1.0000000
2.0218453	11	6.7441571	6.1318260	3.9567714	3.9567614	3.9567714	1.0000000

V	V*	H _p	λ	p*	E*	W*	β						
2.0439345	11	6.8178385	8	6.0655585	-16	4.0000000	5	3.9999900	5	4.0000000	5	1.0000000	0
2.0439396	11	6.8178555	8	6.0655433	-16	4.0000100	5	4.0000000	5	4.0000000	5	1.0000000	0
2.0662674	11	6.8923330	8	6.0000000	-16	4.0437057	5	4.0436957	5	4.0437057	5	1.0000000	0
2.0717751	11	6.9107046	8	5.9840095	-16	4.0544842	5	4.0544742	5	4.0544842	5	1.0000000	0
2.0985452	11	7.0000000	8	5.9077140	-16	4.1068735	5	4.1068635	5	4.1068735	5	1.0000000	0
2.1000000	11	7.0048527	8	5.9036214	-16	4.1097205	5	4.1097105	5	4.1097205	5	1.0000000	0
2.1205295	11	7.0733317	8	5.8464667	-16	4.1498969	5	4.1498869	5	4.1498969	5	1.0000000	0
2.1461314	11	7.1587304	8	5.7767224	-16	4.1999900	5	4.1999900	5	4.2000000	5	1.0000000	0
2.1461366	11	7.1587475	8	5.7767086	-16	4.2000100	5	4.2000000	5	4.2000100	5	1.0000000	0
2.1681879	11	7.2323028	8	5.7179573	-16	4.2431646	5	4.2431546	5	4.2431646	5	1.0000000	0
2.2000000	11	7.3384163	8	5.6352756	-16	4.3054210	5	4.3054110	5	4.3054210	5	1.0000000	0
2.2148211	11	7.3878540	8	5.5975657	-16	4.3344259	5	4.3344159	5	4.3344259	5	1.0000000	0
2.2483284	11	7.4996223	8	5.5141441	-16	4.4000000	5	4.3999900	5	4.4000000	5	1.0000000	0
2.2483335	11	7.4996394	8	5.5141316	-16	4.4000100	5	4.4000000	5	4.4000100	5	1.0000000	0
2.2484164	11	7.5000000	8	5.5138664	-16	4.4002216	5	4.4002116	5	4.4002216	5	1.0000000	0
2.2541104	11	7.5189088	8	5.5000000	-16	4.4113153	5	4.4113053	5	4.4113153	5	1.0000000	0
2.2604924	11	7.5401969	8	5.4844719	-16	4.4238049	5	4.4237949	5	4.4238049	5	1.0000000	0
2.3000000	11	7.6719799	8	5.3902641	-16	4.5011215	5	4.5011115	5	4.5011215	5	1.0000000	0
2.3505254	11	7.8405143	8	5.2743987	-16	4.6000000	5	4.5999900	5	4.5999900	5	1.0000000	0
2.3505305	11	7.8405313	8	5.2743872	-16	4.6000100	5	4.6000000	5	4.6000100	5	1.0000000	0
2.3708247	11	7.9082252	8	5.2292388	-16	4.6397258	5	4.6397158	5	4.6397258	5	1.0000000	0
2.3983381	11	8.0000000	8	5.1692498	-16	4.6935697	5	4.6935597	5	4.6935697	5	1.0000000	0
2.4000000	11	8.0055435	8	5.1656703	-16	4.6968220	5	4.6968120	5	4.6968220	5	1.0000000	0
2.4527224	11	8.1814062	8	5.0546321	-16	4.8000000	5	4.7999900	5	4.8000000	5	1.0000000	0
2.4527275	11	8.1814232	8	5.0546216	-16	4.8000100	5	4.8000000	5	4.8000100	5	1.0000000	0
2.4762458	11	8.2598719	8	5.0066150	-16	4.8460355	5	4.8460255	5	4.8460355	5	1.0000000	0
2.4795219	11	8.2707997	8	5.0000000	-16	4.8524468	5	4.8524368	5	4.8524468	5	1.0000000	0
2.5000000	11	8.3391071	8	4.9590439	-16	4.8925225	5	4.8925125	5	4.8925225	5	1.0000000	0
2.5482345	11	8.5000000	8	4.8651763	-16	4.9869178	5	4.9869078	5	4.9869178	5	1.0000000	0
2.5549194	11	8.5222981	8	4.8524468	-16	5.0000000	5	4.9999900	5	5.0000000	5	1.0000000	0
2.5549245	11	8.5223152	8	4.8524371	-16	5.0000100	5	5.0000000	5	5.0000100	5	1.0000000	0
2.5773586	11	8.5971472	8	4.8102001	-16	5.0439137	5	5.0439037	5	5.0439137	5	1.0000000	0
2.5828355	11	8.6154163	8	4.8000000	-16	5.0546321	5	5.0546221	5	5.0546321	5	1.0000000	0
2.6000000	11	8.6726707	8	4.7683118	-16	5.0882230	5	5.0882130	5	5.0882230	5	1.0000000	0
2.6746516	11	8.9216813	8	4.6355248	-16	5.2343166	5	5.2343066	5	5.2343166	5	1.0000000	0
2.6951329	11	7.1076163	16	4.6000000	-16	5.2743987	5	5.2743887	5	5.2743987	5	1.0000000	0
2.6981310	11	7.1234380	16	4.5948887	-16	5.2802659	5	5.2802559	5	5.2802659	5	1.0000000	0
2.7000000	11	7.1333103	16	4.5917080	-16	5.2839235	5	5.2839135	5	5.2839235	5	1.0000000	0
2.7685276	11	7.5000000	16	4.4780526	-16	5.4180324	5	5.4180224	5	5.4180324	5	1.0000000	0
2.8000000	11	7.6714877	16	4.4277187	-16	5.4796240	5	5.4796140	5	5.4796240	5	1.0000000	0

V	V*	H ρ	λ	p*	E*	W*	β						
2.8104118	11	9.3745279	8	4.4113153	-16	5.5000000	5	5.4999900	5	5.5000000	5	1.0000000	0
2.8104169	11	9.3745450	8	4.4113073	-16	5.5000100	5	5.5000000	5	5.5000100	5	1.0000000	0
2.8176392	11	9.3986360	8	4.4000000	-16	5.5141441	5	5.5141341	5	5.5141441	5	1.0000000	0
2.8480274	11	9.5000000	8	4.3530524	-16	5.5736140	5	5.5736040	5	5.5736140	5	1.0000000	0
2.8593232	11	9.5376785	8	4.3358558	-16	5.5957198	5	5.5957098	5	5.5957198	5	1.0000000	0
2.9000000	11	9.6733615	8	4.2750390	-16	5.6753245	5	5.6753146	5	5.6753246	5	1.0000000	0
2.9473230	11	9.8312140	8	4.2063980	-16	5.7679360	5	5.7679260	5	5.7679360	5	1.0000000	0
2.9518128	11	9.8461901	8	4.2000000	-16	5.7767224	5	5.7767124	5	5.7767224	5	1.0000000	0
2.9979239	11	1.0000000	9	4.1353998	-16	5.8669621	5	5.8669521	5	5.8669621	5	1.0000000	0
3.0000000	11	1.0006925	9	4.1325380	-16	5.8710251	5	5.8710151	5	5.8710251	5	1.0000000	0
3.0327705	11	1.0116236	9	4.0878840	-16	5.9351571	5	5.9351471	5	5.9351571	5	1.0000000	0
3.0659043	11	1.0226758	9	4.0437057	-16	6.0000000	5	5.9999900	5	6.0000000	5	1.0000000	0
3.0659094	11	1.0226775	9	4.0436989	-16	6.0000100	5	6.0000000	5	6.0000100	5	1.0000000	0
3.0994037	11	1.0338500	9	4.0000000	-16	6.0655585	5	6.0655485	5	6.0655585	5	1.0000000	0
3.11158757	11	1.0393444	9	3.9788541	-16	6.0977943	5	6.0977843	5	6.0977943	5	1.0000000	0
3.1968211	11	1.0663449	9	3.8781073	-16	6.2562049	5	6.2561949	5	6.2562049	5	1.0000000	0
3.2000000	11	1.0674052	9	3.8742548	-16	6.2624261	5	6.2624161	5	6.2624261	5	1.0000000	0
3.2625304	11	1.0882631	9	3.8000000	-16	6.3847984	5	6.3847884	5	6.3847984	5	1.0000000	0
3.2977168	11	1.1000000	9	3.7594544	-16	6.4536583	5	6.4536483	5	6.4536583	5	1.0000000	0
3.3213967	11	1.1078988	9	3.7326514	-16	6.5000000	5	6.4999900	5	6.5000000	5	1.0000000	0
3.3214018	11	1.1079005	9	3.7326456	-16	6.5000100	5	6.5000000	5	6.5000100	5	1.0000000	0
3.3528545	11	1.1183919	9	3.6976302	-16	6.5615631	5	6.5615531	5	6.5615631	5	1.0000000	0
3.4000000	11	1.1341180	9	3.6463578	-16	6.6538271	5	6.6538171	5	6.6538271	5	1.0000000	0
3.4437824	11	1.1487222	9	3.6000000	-16	6.7395094	5	6.7394995	5	6.7395095	5	1.0000000	0
3.5019426	11	1.1681223	9	3.5402114	-16	6.8533291	5	6.8533191	5	6.8533291	5	1.0000000	0
3.5768891	11	1.1931217	9	3.4660334	-16	7.0000000	5	6.9999900	5	7.0000000	5	1.0000000	0
3.5768943	11	1.1931234	9	3.4660285	-16	7.0000100	5	7.0000000	5	7.0000100	5	1.0000000	0
3.5975097	11	1.2000000	9	3.4461665	-16	7.0403545	5	7.0403445	5	7.0403545	5	1.0000000	0
3.6000000	11	1.2008307	9	3.4437826	-16	7.0452281	5	7.0452181	5	7.0452281	5	1.0000000	0
3.6449376	11	1.2158202	9	3.4013251	-16	7.1331711	5	7.1331611	5	7.1331711	5	1.0000000	0
3.6463581	11	1.2162941	9	3.4000000	-16	7.1359512	5	7.1359412	5	7.1359512	5	1.0000000	0
3.7825307	11	1.2617163	9	3.2775989	-16	7.4024415	5	7.4024315	5	7.4024415	5	1.0000000	0
3.8000000	11	1.2675434	9	3.2625312	-16	7.4366291	5	7.4366191	5	7.4366291	5	1.0000000	0
3.8323816	11	1.2783447	9	3.2349645	-16	7.5000000	5	7.4999900	5	7.5000000	5	1.0000000	0
3.8323867	11	1.2783464	9	3.2349602	-16	7.5000100	5	7.5000000	5	7.5000100	5	1.0000000	0
3.8742559	11	1.2923124	9	3.2000000	-16	7.5819481	5	7.5819381	5	7.5819481	5	1.0000000	0
3.8973026	11	1.3000000	9	3.1810768	-16	7.6270507	5	7.6270407	5	7.6270507	5	1.0000000	0
3.9152914	11	1.3060004	9	3.1664613	-16	7.6622549	5	7.6622449	5	7.6622549	5	1.0000000	0
4.0000000	11	1.3342561	9	3.0994048	-16	7.8280301	5	7.8280201	5	7.8280301	5	1.0000000	0
4.0436957	11	1.3488314	9	3.0659130	-16	7.9135429	5	7.9135329	5	7.9135429	5	1.0000000	0

V	V*	Hp	λ	p*	E*	W*	β				
5.4439938	11	1.8159199	9	2.2773030	-16	1.0653933	6	1.0653933	6	1.0000000	0
5.5000000	11	1.8346015	9	2.2541134	-16	1.0763538	6	1.0763538	6	1.0000000	0
5.5370603	11	1.8469635	9	2.2390263	-16	1.0836065	6	1.0836065	6	1.0000000	0
5.6208287	11	1.8749056	9	2.2056576	-16	1.1000000	6	1.0999999	6	1.0000000	0
5.6208338	11	1.8749073	9	2.2056556	-16	1.1000010	6	1.1000000	6	1.0000000	0
5.6352836	11	1.8797272	9	2.2000000	-16	1.1028288	6	1.1028278	6	1.0000000	0
5.6960600	11	1.9000000	9	2.1765262	-16	1.1147228	6	1.1147218	6	1.0000000	0
5.7186515	11	1.9075357	9	2.1679279	-16	1.1191440	6	1.1191430	6	1.0000000	0
5.8946512	11	1.9662428	9	2.1031990	-16	1.1535872	6	1.1535862	6	1.0000000	0
5.9036306	11	1.96922380	9	2.1000000	-16	1.1553445	6	1.1553435	6	1.0000000	0
5.9958529	11	2.0000000	9	2.0676999	-16	1.1733924	6	1.1733914	6	1.0000000	0
6.0000000	11	2.0000000	9	2.0662708	-16	1.1742040	6	1.1742030	6	1.0000000	0
6.0655462	11	2.0232471	9	2.0439420	-16	1.1870314	6	1.1870304	6	1.0000000	0
6.1318136	11	2.0453515	9	2.0218528	-16	1.2000000	6	1.1999990	6	1.0000000	0
6.1318187	11	2.0453533	9	2.0218511	-16	1.2000010	6	1.2000000	6	1.0000000	0
6.1988124	11	2.0676999	9	2.0000000	-16	1.2131117	6	1.2131107	6	1.0000000	0
6.2317564	11	2.0786888	9	1.9894271	-16	1.2195589	6	1.2195579	6	1.0000000	0
6.2956458	11	2.1000000	9	1.9627380	-16	1.2320620	6	1.2320610	6	1.0000000	0
6.3936473	11	2.1326897	9	1.9390536	-16	1.2512410	6	1.2512400	6	1.0000000	0
6.5000000	11	2.1681651	9	1.9073270	-16	1.2720543	6	1.2720533	6	1.0000000	0
6.5250660	11	2.1765262	9	1.9000000	-16	1.2769597	6	1.2769587	6	1.0000000	0
6.5515391	11	2.1853567	9	1.8923226	-16	1.2821405	6	1.2821395	6	1.0000000	0
6.5954387	11	2.2000000	9	1.8797272	-16	1.2907317	6	1.2907307	6	1.0000000	0
6.6427985	11	2.2157975	9	1.8663257	-16	1.3000000	6	1.2999990	6	1.0000000	0
6.6428036	11	2.2157992	9	1.8663243	-16	1.3000010	6	1.3000000	6	1.0000000	0
6.7057141	11	2.2367839	9	1.8488151	-16	1.3123126	6	1.3123116	6	1.0000000	0
6.8564233	11	2.2870550	9	1.8081768	-16	1.3418065	6	1.3418055	6	1.0000000	0
6.8875699	11	2.2974443	9	1.8000000	-16	1.3479019	6	1.3479009	6	1.0000000	0
6.8952316	11	2.3000000	9	1.7979999	-16	1.3494013	6	1.3494003	6	1.0000000	0
7.0000000	11	2.3349469	9	1.7710894	-16	1.3699045	6	1.3699035	6	1.0000000	0
7.0038902	11	2.3362446	9	1.7701057	-16	1.3706658	6	1.3706648	6	1.0000000	0
7.1483156	11	2.3844196	9	1.7343423	-16	1.3989300	6	1.3989290	6	1.0000000	0
7.1537834	11	2.3862435	9	1.7330167	-16	1.4000000	6	1.3999990	6	1.0000000	0
7.1537885	11	2.3862452	9	1.7330155	-16	1.4000010	6	1.4000000	6	1.0000000	0
7.1950245	11	2.4000000	9	1.7230833	-16	1.4080709	6	1.4080699	6	1.0000000	0
7.2927214	11	2.4325881	9	1.7000000	-16	1.4271902	6	1.4271892	6	1.0000000	0
7.4948174	11	2.5000000	9	1.6541599	-16	1.4667405	6	1.4667395	6	1.0000000	0
7.4972169	11	2.5008004	9	1.6536305	-16	1.4672101	6	1.4672091	6	1.0000000	0
7.5000000	11	2.5017287	9	1.6530169	-16	1.4677548	6	1.4677538	6	1.0000000	0
7.6647683	11	2.55666894	9	1.6174823	-16	1.5000000	6	1.4999990	6	1.0000000	0

V	V^*	$H\rho$	λ	p^*	E^*	W^*	β				
7.6647734	11	2.5566911	9	1.6174812	-16	1.5000010	6	1.5000000	6	1.0000000	0
7.7485168	11	2.5846249	9	1.6000000	-16	1.5163896	6	1.5163886	6	1.0000000	0
7.7946103	11	2.6000000	9	1.5905384	-16	1.5254101	6	1.5254091	6	1.0000000	0
7.8305879	11	2.6120008	9	1.5832307	-16	1.5324510	6	1.5324500	6	1.0000000	0
8.0000000	11	2.6685105	9	1.5497034	-16	1.5656050	6	1.5656040	6	1.0000000	0
8.0944032	11	2.7000000	9	1.5316296	-16	1.5840798	6	1.5840788	6	1.0000000	0
8.1503345	11	2.7186567	9	1.5211188	-16	1.5950256	6	1.5950246	6	1.0000000	0
8.1757532	11	2.7271354	9	1.5163896	-16	1.6000000	6	1.5999990	6	1.0000000	0
8.1757583	11	2.7271371	9	1.5163887	-16	1.6000010	6	1.6000000	6	1.0000000	0
8.2650849	11	2.7569332	9	1.5000000	-16	1.6174823	6	1.6174813	6	1.0000000	0
8.3941961	11	2.8000000	9	1.4769285	-16	1.6427494	6	1.6427484	6	1.0000000	0
8.4580021	11	2.8212833	9	1.4657868	-16	1.6552362	6	1.6552352	6	1.0000000	0
8.5000000	11	2.8352923	9	1.4585444	-16	1.6634553	6	1.6634543	6	1.0000000	0
8.6867381	11	2.8975814	9	1.4271902	-16	1.7000000	6	1.6999990	6	1.0000000	0
8.6867432	11	2.8975831	9	1.4271894	-16	1.7000010	6	1.7000000	6	1.0000000	0
8.6939890	11	2.9000000	9	1.4259999	-16	1.7014190	6	1.7014180	6	1.0000000	0
8.7548641	11	2.9203057	9	1.4160846	-16	1.7133323	6	1.7133313	6	1.0000000	0
8.8554485	11	2.9538570	9	1.4000000	-16	1.7330167	6	1.7330157	6	1.0000000	0
8.9937819	11	3.0000000	9	1.3784666	-16	1.7600886	6	1.7600876	6	1.0000000	0
9.0000000	11	3.0020741	9	1.3775142	-16	1.7613055	6	1.7613045	6	1.0000000	0
9.0419849	11	3.0160788	9	1.3711180	-16	1.7695220	6	1.7695210	6	1.0000000	0
9.1977230	11	3.0680273	9	1.3479019	-16	1.8000000	6	1.7999990	6	1.0000000	0
9.1977281	11	3.0680290	9	1.3479011	-16	1.8000010	6	1.8000000	6	1.0000000	0
9.3202648	11	3.1089028	9	1.3301798	-16	1.8239815	6	1.8239805	6	1.0000000	0
9.5000000	11	3.1688559	9	1.3050135	-16	1.8591558	6	1.8591548	6	1.0000000	0
9.5366373	11	3.1810768	9	1.3000000	-16	1.8663257	6	1.8663247	6	1.0000000	0
9.5904735	11	3.1990346	9	1.2927024	-16	1.8768615	6	1.8768605	6	1.0000000	0
9.5933677	11	3.2000000	9	1.2923124	-16	1.8774279	6	1.8774269	6	1.0000000	0
9.7087079	11	3.2384733	9	1.2769597	-16	1.9000000	6	1.8999990	6	1.0000000	0
9.7087130	11	3.2384750	9	1.2769590	-16	1.9000010	6	1.9000000	6	1.0000000	0
9.8532750	11	3.2866956	9	1.2582242	-16	1.9282919	6	1.9282909	6	1.0000000	0
1.0000000	12	3.3356377	9	1.2397629	-16	1.9570060	6	1.9570050	6	1.0000000	0
1.0109247	12	3.3720786	9	1.2263652	-16	1.9783857	6	1.9783847	6	1.0000000	0
1.0192953	12	3.4000000	9	1.2162941	-16	1.9947671	6	1.9947661	6	1.0000000	0
1.0219693	12	3.4089192	9	1.2131117	-16	2.0000000	6	1.9999990	6	1.0000000	0
1.0219698	12	3.4089210	9	1.2131111	-16	2.0000010	6	2.0000000	6	1.0000000	0
1.0331357	12	3.4461665	9	1.2000000	-16	2.0218528	6	2.0218518	6	1.0000000	0
1.0602668	12	3.5366658	9	1.1692933	-16	2.0749484	6	2.0749474	6	1.0000000	0
1.0730678	12	3.5793652	9	1.1553445	-16	2.1000000	6	2.0999990	6	1.0000000	0
1.0730683	12	3.5793669	9	1.1553439	-16	2.1000010	6	2.1000000	6	1.0000000	0

V	V*	H _p	λ	p*	E*	W*	β								
1.0792539	12	1.1397501	18	3.6000000	9	1.1487222	-16	2.1121064	6	2.1121054	6	2.1121064	6	1.0000000	0
1.1000000	12	3.6692013	18	3.6939270	9	1.1270572	-16	2.1527065	6	2.1527055	6	2.1527065	6	1.0000000	0
1.1074126	12	1.2000000	18	3.7498112	9	1.1195131	-16	2.1672130	6	2.1672120	6	2.1672130	6	1.0000000	0
1.1241663	12	1.2365834	18	3.7498112	9	1.1028288	-16	2.2000000	6	2.1999990	6	2.2000000	6	1.0000000	0
1.1241668	12	1.2365846	18	3.7498129	9	1.11028283	-16	2.2000010	6	2.2000000	6	2.2000010	6	1.0000000	0
1.1392125	12	1.2699067	18	3.8000000	9	1.0882631	-16	2.2294456	6	2.2294446	6	2.2294456	6	1.0000000	0
1.1526316	12	1.3000000	18	3.8447611	9	1.0755934	-16	2.2557068	6	2.2557058	6	2.2557068	6	1.0000000	0
1.1752647	12	1.3515550	18	3.9202571	9	1.0548797	-16	2.3000000	6	2.2999990	6	2.3000000	6	1.0000000	0
1.1752653	12	1.3515562	18	3.9202588	9	1.0548793	-16	2.3000010	6	2.3000000	6	2.3000010	6	1.0000000	0
1.1961423	12	1.4000000	18	3.9898972	9	1.0364678	-16	2.3408575	6	2.3408565	6	2.3408575	6	1.0000000	0
1.2381250	12	1.5000000	18	4.1299359	9	1.0013230	-16	2.4230178	6	2.4230168	6	2.4230178	6	1.0000000	0
1.2787300	12	1.6000000	18	4.2653795	9	9.6952682	-17	2.5024820	6	2.5024810	6	2.5024820	6	1.0000000	0
1.3180847	12	1.7000000	18	4.3966525	9	9.4057918	-17	2.5794994	6	2.5794984	6	2.5794994	6	1.0000000	0
1.3562980	12	1.8000000	18	4.5241181	9	9.1407865	-17	2.6542830	6	2.6542820	6	2.6542830	6	1.0000000	0
1.39334637	12	1.9000000	18	4.6480895	9	8.8969883	-17	2.7270165	6	2.7270155	6	2.7270165	6	1.0000000	0
1.4296636	12	2.0000000	18	4.7688392	9	8.6717115	-17	2.7978599	6	2.7978589	6	2.7978599	6	1.0000000	0
1.4649693	12	2.1000000	18	4.8866061	9	8.4627239	-17	2.8669533	6	2.8669523	6	2.8669533	6	1.0000000	0
1.4999439	12	2.2000000	18	5.0016008	9	8.2681525	-17	2.9344192	6	2.9344182	6	2.9344192	6	1.0000000	0
1.5331435	12	2.3000000	18	5.1140104	9	8.0864127	-17	3.0003705	6	3.0003695	6	3.0003705	6	1.0000000	0
1.5661181	12	2.4000000	18	5.2240017	9	7.9161534	-17	3.0649020	6	3.0649010	6	3.0649020	6	1.0000000	0
1.5984126	12	2.5000000	18	5.3317244	9	7.7562146	-17	3.1281025	6	3.1281015	6	3.1281025	6	1.0000000	0
1.6300674	12	2.6000000	18	5.4373133	9	7.6055941	-17	3.1900511	6	3.1900501	6	3.1900511	6	1.0000000	0
1.6611191	12	2.7000000	18	5.5408905	9	7.4634210	-17	3.2508194	6	3.2508184	6	3.2508194	6	1.0000000	0
1.6916009	12	2.8000000	18	5.6425667	9	7.3289339	-17	3.3104725	6	3.3104715	6	3.3104725	6	1.0000000	0
1.7215431	12	2.9000000	18	5.7424429	9	7.2014644	-17	3.3690695	6	3.3690685	6	3.3690695	6	1.0000000	0
1.7509733	12	3.0000000	18	5.8406114	9	7.0804228	-17	3.4266646	6	3.4266636	6	3.4266646	6	1.0000000	0
1.8083975	12	3.2000000	18	6.0321575	9	6.8555899	-17	3.5390440	6	3.5390430	6	3.5390440	6	1.0000000	0
1.8640535	12	3.4000000	18	6.2178057	9	6.6508991	-17	3.6479630	6	3.6479620	6	3.6479630	6	1.0000000	0
1.9180952	12	3.6000000	18	6.3980692	9	6.4635122	-17	3.7537230	6	3.7537220	6	3.7537230	6	1.0000000	0
1.9706555	12	3.8000000	18	6.5733913	9	6.2911208	-17	3.8565837	6	3.8565827	6	3.8565837	6	1.0000000	0
2.0218499	12	4.0000000	18	6.7441571	9	6.1318260	-17	3.9567714	6	3.9567704	6	3.9567714	6	1.0000000	0
2.0717797	12	4.2000000	18	6.9107046	9	5.9840495	-17	4.0544842	6	4.0544832	6	4.0544842	6	1.0000000	0
2.1205341	12	4.4000000	18	7.0733317	9	5.8464667	-17	4.1498969	6	4.1498959	6	4.1498969	6	1.0000000	0
2.1681925	12	4.6000000	18	7.2323028	9	5.7179573	-17	4.2431646	6	4.2431636	6	4.2431646	6	1.0000000	0
2.2148257	12	4.8000000	18	7.3878540	9	5.5975657	-17	4.3344259	6	4.3344249	6	4.3344259	6	1.0000000	0
2.2604970	12	5.0000000	18	7.5401969	9	5.4844719	-17	4.4238049	6	4.4238039	6	4.4238049	6	1.0000000	0
2.3708293	12	5.5000000	18	7.9082252	9	5.2292388	-17	4.6397258	6	4.6397248	6	4.6397258	6	1.0000000	0
2.4762504	12	6.0000000	18	8.2598719	9	5.0066150	-17	4.8460355	6	4.8460345	6	4.8460355	6	1.0000000	0
2.5773632	12	6.5000000	18	8.5971472	9	4.8102001	-17	5.0439137	6	5.0439127	6	5.0439137	6	1.0000000	0
2.6746562	12	7.0000000	18	8.9216813	9	4.6352248	-17	5.2343166	6	5.2343156	6	5.2343166	6	1.0000000	0

<i>V</i>	<i>V</i> *	<i>H_p</i>	λ	<i>p</i> *	<i>E</i> *	<i>W</i> *	β
2.7685322	7.5000000	9.2348175	4.4780526	5.4180324	5.4180314	5.4180324	1.0000000
2.8593278	8.0000000	9.5376785	4.3358558	5.5957198	5.5957188	5.5957198	1.0000000
2.9473276	8.5000000	9.8312140	4.2063980	5.7679360	5.7679350	5.7679360	1.0000000
3.0327751	9.0000000	1.0116236	4.0878840	5.9351571	5.9351561	5.9351571	1.0000000
3.1158803	9.5000000	1.0393444	3.9788541	6.0977943	6.0977933	6.0977943	1.0000000
3.1968257	1.0000000	1.0663449	3.8781073	6.2562049	6.2562039	6.2562049	1.0000000
3.3528591	1.1000000	1.1183919	3.6976302	6.5615631	6.5615621	6.5615631	1.0000000

