Tables of Collision Integrals and Second Virial Coefficients for the (m,6,8) Intermolecular Potential Function

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Issued June 1974

Library of Congress Catalog Card Number: 73-600059

NSRD-NBS 47

Nat. Stand. Ref. Data Ser., Nat. Bur. Stand. (U.S.), 47, 157 pages (June 1974)

CODEN: NSRDAP

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U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON: 1974

**For sale by the Superintendent of Documents, U.S. Government Printing Office
Washington, D.C. 20402 (Order by SD Catalog No. C13.48:47). Price $1.90.
Stock Number 0303-01125**

Foreword

The National Standard Reference Data System provides access to the quantitative data of physical science, critically evaluated and compiled for convenience and readily accessible through a variety of distribution channels. The System was established in 1963 by action of the President's Office of Science and Technology and the Federal Council for Science and Technology, and responsibility to administer it was assigned to the National Bureau of Standards.

NSRDS receives advice and planning assistance from a Review Committee of the National Research Council of the National Academy of Sciences-National Academy of Engineering. A number of Advisory Panels, each concerned with a single technical area, meet regularly to examine major portions of the program, assign relative priorities, and identify specific key problems in need of further attention. For selected specific topics, the Advisory Panels sponsor subpanels which make detailed studies of users' needs, the present state of knowledge, and existing data resources as a basis for recommending one or more data compilation activities. This assembly of advisory services contributes greatly to the guidance of NSRDS activities.

The System now includes a complex of data centers and other activities in academic institutions and other laboratories. Components of the NSRDS produce compilations of critically evaluated data, reviews of the state of quantitative knowledge in specialized areas, and computations of useful functions derived from standard reference data. The centers and projects also establish criteria for evaluation and compilation of data and recommend improvements in experimental techniques. They are normally associated with research in the relevant field.

The technical scope of NSRDS is indicated by the categories of projects active or being planned: nuclear properties, atomic and molecular properties, solid state properties, thermodynamic and transport properties, chemical kinetics, and colloid and surface properties.

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RICHARD W. ROBERTS, *Director*

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List of Tables

Tables of Collision Integrals and Second Virial Coefficients for the (m, 6, 8) Intermolecular Potential Function

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Tables of collision integrals and second virial coefficients are presented for the (m, 6, 8) potential function. Ten values of the repulsive exponent m are included which range in unit steps from $m=9$ through $m=18$. Approximately 6 values of the parameter, γ, associated with the inverse eighth power term, are included for each value of m. These tables are equivalent, therefore, to tables for 60 three-parameter (m, 6) potential functions. Comparisons of our results for $m=12$ and $\gamma=0$ (corresponding to the (12, 6) function) have been made with other calculations. Based on these comparisons, the accuracy of the present calculation appears to be at least two or three parts in 10,000 depending on the temperature. A table is included which contains the Boyle temperature, the Boyle volume, and the ratio of the intermolecular separation at the potential minimum to the separation at the zero of the potential.

Key words: Collision integrals; diffusion; potential; thermal conductivity; thermal diffusion; transport properties; viscosity.

1. Introduction

In previous work the relationship between model potential functions, statistical mechanical expressions [1][1] and experiment has been studied in detail [2]. Among the results obtained in these studies was one which showed that all reasonable three-parameter potential functions give equivalent descriptions of binary transport and equilibrium data. This has led us to the (arbitrary) choice of the (m, 6) potential function family as a convenient representation of three parameter function families. This (m, 6) three-parameter potential has been investigated and tables of collision integrals and second virial coefficients published [3]. These tables have been used extensively, for example, in the correlation of second virial coefficients for a number of important gases [4]. The (m, 6) family has also been used in other ways: as the central potential in a polar potential function for the development of tables of second virial coefficients for polar molecules [5] and in the calculation of tables of Wigner-Kirkwood quantum corrections to the second virial coefficient [6].

A further result of the earlier studies [2] was that all three-parameter functions were not sufficiently flexible to correlate macroscopic properties and the (m, 6) was no exception. For instance it was shown that one could not use it to correlate high and low temperature transport property data simultaneously nor could one simultaneously correlate equilibrium and transport property data. It became obvious that additional parameters were required and this paper represents the result of an attempt to add a fourth parameter to the three-parameter (m, 6) function family. The (m, 6, 8) function family has thereby been produced.

In this paper we present tables of collision integrals and second virial coefficients for this new potential which has the form

$$\phi(r) = \frac{A}{r^m} - \frac{B}{r^6} - \frac{C}{r^8} . \tag{1}$$

Here m is an index of repulsion and the exponents six and eight are indices of attraction. A is the coefficient for repulsion whereas B and C are the coefficients for attraction. This potential has already been shown to be far more flexible than the (m, 6) [7]. While this is to be expected, since the (m, 6, 8) is a four-parameter function, the extent of the improvement in the quality of the fit is much more than we had expected on the basis of simply adding a parameter.

We note that the extra term, C/r^8, has a reasonable physical basis in that it follows from the

*Supported in part by the Air Force Systems Command, Arnold Engineering Development Center, Tullahoma, Tennessee 37388. Delivery Order Numer (40-600) 66-938 Program Element 61445014 AF Project 8951.

[1] Figures in brackets indicate the literature references on page 9.

quantum mechanical expression for the dispersion forces between two separated molecules [8]. The particular choice of a three-parameter potential function to which to append an inverse eighth power attraction is somewhat arbitrary as a result of the equivalence of such functions in the usual context of potential parameter determination. If it is decided to accept the inverse sixth power term on physical grounds, then this arbitrariness, of course, applies only to the repulsive term. An argument can be made, based on high energy scattering data [9], for the use of a shielded coulomb form for the repulsion. Despite this, we have chosen to continue to use the single term inverse power repulsion contained in the $(m, 6)$ function. The reasons are as follows: First of all, such a form is simple. Secondly, the repulsive index, m, serves as a simple indicator of the hardness of the repulsive core. Also, the potential functions derived from two body scattering data have often been represented by simple inverse powers of the internuclear distance [10]. Furthermore, this potential has been used in a number of more complicated theories, in some instances because the particular theory of interest involves derivatives of the potential which, for simple inverse powers, then lead to simple recursion formulas on the index m [11]. The use of the simple inverse power is consistent with our efforts applied to the three parameter $(m, 6)$ function and is, therefore, a natural extension of the $(m, 6)$ function. Finally, the details of the repulsion are expected to become important only at very high temperatures for most substances.

The potential function (1) can be written in reduced form by dividing the distance, r, by a characteristic length and the energy ϕ by a characteristic energy. A convenient form results when the intermolecular separation at the potential minimum is taken for the characteristic length and the depth of the potential well at that minimum taken as the characteristic energy. There results a reduced form of eq (1) viz.,

$$\phi^*(r^*) = \frac{1}{m-6}\,[6+2\gamma]\left(\frac{1}{r^*}\right)^m - \frac{1}{m-6}\,[m-\gamma(m-8)]\left(\frac{1}{r^*}\right)^6 - \frac{\gamma}{r^{*8}}$$

where $\phi^* = \phi/\epsilon$, in which ϵ is the depth of the potential well, $r^* = r/r_m$, where r_m is the intermolecular separation at which $\phi^* = -\epsilon$ and γ is a measure of the strength of the inverse eighth power attraction.

It is common practice to use, as the characteristic length, the value of r for which $\phi = 0$. This length is generally designated σ. Explicitly introducing the ratio of these lengths (i.e., $d \equiv r_m/\sigma$) into the reduced form of the potential, allows for a choice between these representations:

$$\phi^*(r^*) = \frac{d^m}{m-6}\,[6+2\gamma]\left(\frac{1}{r^*}\right)^m - \frac{d^6}{m-6}\,[m-\gamma(m-8)]\left(\frac{1}{r^*}\right)^6 - \frac{\gamma d^8}{r^{*8}}. \quad (1a)$$

Setting d equal to unity in (1a) leaves r^* defined as r/r_m. Using the actual value of d converts r^* to the definition r/σ. In converting between these methods of reduction, care should be taken to convert the reduced collision integrals and second virial coefficients in a consistent manner. To facilitate conversions between the two methods of reduction, we have included values of d for each of the $(m, 6, 8)$ potentials used; these appear in table 1. It should be noted that d is not a free parameter.

2. General Formulas

Statistical mechanics and kinetic theory provide microscopic descriptions of equilibrium and nonequilibrium thermodynamics. As such, their use generally results in expressions relating macroscopic experimental properties to theoretical microscopic intermolecular potentials.

A. Transport Properties

The Chapman-Enskog solution of the Boltzmann equation provides one with a formally complete solution of the problem of describing the transport properties of dilute gases. In particular, one obtains expressions which relate the transport coefficients appearing in the experimental phenomonological flow equations to the intermolecular potential function. The expressions for the properties of particular interest are, to a first approximation [1]:

Viscosity (η):

$$\eta = \frac{5}{16}\left(\frac{\sqrt{\pi mkT}}{\pi R^2 \Omega^{(2,2)*}(T^*)}\right) = \frac{266.93(MT)^{1/2}}{R^2\Omega^{(2,2)*}(T^*)}\,10^{-7} \quad \mathrm{g\,cm^{-1}\,s^{-1}}. \quad (2)$$

Thermal Conductivity (λ):

$$\lambda=\frac{25}{32}C_v/m\left(\frac{\sqrt{\pi mkT}}{\pi R^2\Omega^{(2,2)*}(T^*)}\right)=\frac{5}{2}C_v\eta$$

$$\text{J cm}^{-1}\,\text{s}^{-1}\,\text{deg}^{-1}.$$

Self-diffusion coefficient (D):

$$D=\frac{3}{16}\left(\frac{\sqrt{2\pi k^3T^3/\mu}}{p\pi R^2\Omega^{(1,1)*}(T^*)}\right)=\frac{26.28\,(T^3/M)^{1/2}}{pR^2\Omega^{(1,1)*}(T^*)}$$

$$10^{-4}\,\text{cm}^2\,\text{s}^{-1}.$$

where the first form is in the natural units of the theory and the second in a more practical gram molecular set of units. In these expressions m is the mass of a particle, R, the characteristic distance associated with the potential, is generally either r_m or σ, T the absolute temperature, p the gas pressure, $\Omega^{(l,s)*}(T^*)$ the reduced collision integral at the reduced temperature $T^*=kT/\epsilon$, M the molecular weight, and μ the reduced mass.

The collision integrals $\Omega^{(l,s)*}(T^*)$ are related to the reduced potential function through the relations

$$\Omega^{(l,s)*}(T^*)=\frac{2}{(s-1)!T^{*(s+2)}}\int_0^\infty \exp\left[\frac{-g^{*2}}{T^*}\right]g^{*(2s+3)}Q^{(l)*}(g^*)\,dg^*$$

where $Q^{(l)*}(g^*)$ is a cross section which is a function of the reduced energy of the collision and is given by

$$Q^{(l)*}(g^*)=\frac{}{1-\frac{1}{2}\left[\frac{1+(-1)^l}{1+l}\right]}\int_0^\infty(1-\cos^l\chi)b^*db^*$$

with the intermolecular potential function being contained in the equation for the scattering angle

$$\chi(g^*,b^*)=\pi-2b^*\int_0^\infty\frac{dr^*/r^*}{\sqrt{1-(b^*)^2/(r^*)^2-\phi^*(r^*)/g^{*2}}}.$$

r_m^* is the reduced distance between a pair of molecules at the time of closest approach (and should not be confused with the r_m previously defined) while b^* is the reduced impact parameter.

Certain ratios of the collision integrals appear in the transport theory of multicomponent mixtures [1]. These are:

$$A^*=\frac{\Omega^{(2,2)*}}{\Omega^{(1,1)*}}$$

$$B^*=\frac{5\Omega^{(1,2)*}-4\Omega^{(1,3)*}}{\Omega^{(1,1)*}}$$

$$C^*=\frac{\Omega^{(1,2)*}}{\Omega^{(1,1)*}}$$

$$E^*=\frac{\Omega^{(2,3)*}}{\Omega^{(2,2)*}}$$

$$F^*=\frac{\Omega^{(3,3)*}}{\Omega^{(1,1)*}}.$$

We have also calculated the isotopic thermal diffusion factor for the first order solutions to the Boltzmann equation (at zero density) for both the Chapman-Cowling and Kihara methods, [12, 13] as well as for the second order Kihara solution. The question of the convergence of the thermal diffusion factor as higher order terms are taken has been examined by Mason [12] and others [13]. Our calculations were based on the following expressions:

The first order Chapman-Cowling approximation:

$$[\alpha_0]_{cc_1}=\frac{15(6C^*-5)(2A^*+5)}{2A^*(16A^*-12B^*+55)}.$$

The first order Kihara expression:

$$[\alpha_0]_{k_1}=\frac{15(6C^*-5)}{16A^*}.$$

The second order Kihara expression:

$$[\alpha_0]_{k_2}=[\alpha_0]_{cc_1}(1+\delta) \tag{3}$$

where the subscript k is used to indicate a Kihara form and cc that of Chapman and Cowling and where

$$\delta=\frac{I^*}{9}\left[\frac{2A^*}{\frac{35}{4}+7A^*+4F^*}\left\{H^*+\frac{1}{2}\left(\frac{7(5-6C^*)+A^*I^*}{5+2A^*}\right)\left(\frac{\frac{35}{8}+28A^*-6F^*}{21A^*}\right)\right\}-\frac{5}{7}\left\{H^*-\frac{7}{5}\left(\frac{5-6C^*}{5+2A^*}\right)-\frac{3I^*}{10}\right\}\right]$$

where

$$I^* = 7 - 8E^*$$

and

$$H^* = \frac{\frac{35}{4} - 3B^* - 6C^*}{5 - 6C^*}.$$

We have chosen to include here only tables of $[\alpha_0]_{k_2}$, the second order Kihara expression. $[\alpha_0]_{cc_1}$ and $[\alpha_0]_{k_1}$ can be simply calculated from the collision integrals.

The factors f_η, f_λ, and f_D used to obtain Kihara's second approximation to the coefficients of viscosity, diffusion, and thermal conductivity can be computed from the following relations:

$$f_\eta = 1 + \frac{3}{196}(8E^* - 7)^2$$

$$f_\lambda = 1 + \frac{1}{42}(8E^* - 7)^2$$

$$f_D = 1 + (6C^* - 5)^2/(16A^* + 40).$$

Tables of these quantities have not been included both in the interest of conserving space, since they are seldom used because they differ only slightly from unity, and because they have very weak temperature dependences.

B. Equilibrium Properties: The Second Virial Coefficient

According to the Ursell-Mayer density expansion of the equation of state, the experimental second virial coefficient of Kamerlingh-Onnes, $B(T)$, is related to the intermolecular potential by the expression [1].

$$B(T) = 2\pi N \int_0^\infty [1 - \exp(-\phi(r)/kT)] r^2 dr$$

where N is Avogadro's number. This leads directly to the definition of a reduced second virial coefficient

$$B^*(T^*) = 3 \int_0^\infty [1 - \exp(-\phi^*(r^*)/T^*)] r^{*2} dr^* \quad (4)$$

such that $B(T) = b_0 B^*(T^*)$ with $b_0 = \frac{2\pi}{3} N\sigma^3$.

The coefficients of the first density corrections for certain other thermodynamic properties contain the first two temperature derivatives of the second virial coefficient. Reduced expressions for these derivatives are easily obtained by simple differentiation of the reduced second virial coefficient. The derivatives are given by

$$B_1^* = T^* \frac{dB^*}{dT^*} = -\frac{1}{T^*} \int_0^\infty \exp(-\phi^*(r^*)/T^*) \phi^*(r^*) r^{*2} dr^*$$

and

$$B_2^* = T^{*2} \frac{d^2 B^*(T^*)}{dT^{*2}} = -2B_1^* - \frac{1}{T^*} \int_0^\infty \exp(-\phi^*(r^*)/T^*) [\phi^*(r^*)]^2 r^{*2} dr^*.$$

Partial integration of expression (4) for the second virial coefficient yields the following useful form for that quantity.

$$B^*(T^*) = -\frac{1}{T^*} \int_0^\infty \frac{d\phi^*(r^*)}{dr^*} \exp(-\phi^*(r^*)/T^*) r^{*3} dr^*. \quad (5)$$

The use to which this form was put in the present calculations is described in the following section.

3. Numerical Methods

A. Collision Integrals

The numerical methods employed in the collision integral calculation have been described elsewhere in considerable detail and will not be discussed here [14]. It should be noted, however, that the methods described in [14] differ from those employed earlier for the $(m, 6)$ function family [3].

B. Second Virial Coefficients

The numerical calculation of the second virial coefficient requires the evaluation of a single reasonably well behaved integral, a much simpler task than that associated with the evaluation of the collision integrals. Despite this simplicity, the calculation had to be carried out with some caution particularly at the low and high temperature extremes primarily because of the steepness of the repulsive part of the potential function. This caution was inserted into the computer program through the use of automatic testing procedures. The first of these testing procedures had to do with establishing the adequacy of the numerical grid.

In this procedure, the range of integration was divided into five parts with the integration carried out separately in each part. For flexibility, the specific definition of the limits of these five parts was made part of the input data. A Gaussian quadrature integration method, [15], was used in each part with the number of points taken to be adjustable up to a maximum of 128 points. The input data also required the specification of the number of points to be used initially in each of the five intervals. If, in a given interval, the initial number of integration points used is designated n_0 then, at each temperature, all four integrations (i.e., one each for the two expressions for B^*, i.e., eqs (4) and (5), and one each for the single expressions for dB^*/dT^* and d^2B^*/dT^{*2}) were carried out for that interval using both n_0 and $n_0/2$ for the number of integration points. The results for the two integrations (i.e., one for n_0 points and one for $n_0/2$ points) were then compared for *each* of these four integrations and, in each case, the fractional difference between the two results was required to be less than a preassigned tolerance. Where this tolerance was not satisfied, the number of points was doubled to $2n_0$, a single integration carried out in this same interval for each function, and the results obtained compared with those previously obtained for n_0 points in that interval. This procedure was continued until either the tolerance was satisfied or until 128 points were used unsuccessfully. In either case, the computation automatically proceeded to the next integration interval for the same temperature, with printout being used to indicate an unsuccessful integration attempt should the tolerance not be satisfied even for 128 points. The ability to specify the limits of the five parts of the integration as part of the input data made it possible always to satisfy the tolerance with 128 points or less for each of the five intervals at each temperature. This was accomplished, necessarily, by making the integration pieces small where the integrands varied rapidly and large where they were slowly varying.

In almost every instance, the automatic testing procedure just outlined resulted in the production of very accurate second virial coefficients. In some instances, however, this procedure proved to be inadequate in that the test was satisfied but erroneous answers were obtained. Such cases were detected when a second test was invoked. In the preceding section, two forms for the second virial coefficient were presented, i.e., eqs (4) and (5). These two forms, being exactly derivable from each other by partial integration, are entirely equivalent. A close look at the integrands, however, shows that the two integrands behave quite differently numerically. (This is obviously true in the limit $r \rightarrow 0$.) This difference in behavior has been used to considerable advantage in these calculations as follows.

At each temperature, the second virial coefficient was calculated using both expressions and the results obtained for each method printed out. In almost every case, the two values thus obtained were in agreement to at least five figures. In some instances, however, significant disagreement was found. This was particularly true at high temperatures. When this occurred, it could always be traced to the rapid variation of the integrands at the end of an integration interval. The effect of such rapid variations at the end of the range of an integration can easily be inadvertently omitted in the Gaussian method of integration. Since, for a given choice of this integration interval the omission does not apply equally to the two integrands, the results of the integrations using the two forms for the second virial coefficients necessarily differ from each other. As might be expected, this problem could always be cured by a proper redefinition of the integration intervals so as to include more of the rapid variation in the interior of an integration interval and hence to represent the function more accurately numerically. This resulted in the use of different sub-intervals at different temperatures. For no potential was it necessary, however, to use more than three definitions of integration intervals over the entire temperature range.

4. Accuracy of the Tables

The complexity of the numerical methods required for the calculation of the collision integrals convinced us of the need for a careful assessment of the numerical accuracy of these tables. Both computer programs, i.e., that for the collision integrals and that for the second virial coefficients, have provisions for calculating to a specified tolerance. In each case, the tolerance was set at one part in ten thousand. Accuracy tests were then carried out aimed, in part, at determining if an accuracy at least equal to the tolerance was indeed obtained. The tests used included the differencing of a representative set of the calculated functions and, where possible, comparison with other published calculations. Particular emphasis was placed on

comparisons with other calculations for the (12, 6) (i.e., $\gamma=0$.) potential function because of the large number of calculations that have been published for that function.

Two methods have been used by us to test for numerical accuracy. The first of these is analogous to a determination of the *precision* of experimental data. In this, the tables were differenced numerically. In addition to giving a strong indication of precision, differencing has the advantages of isolating numerical errors and of indicating the order of the formula required for interpolation. The precisions assigned on the basis of these differences are discussed below. The second method is analogous to an *accuracy* determination of experimental data, i.e., an estimate of accuracy was obtained by means of a comparison with other published tables of collision integrals for the (12, 6) potential function [16, 17, 18, 19, 20, 21, 22, 23]. Such a comparison was also used in our earlier work [3]. The results of this comparison are included as figures 1, 2, and 3 for $\Omega^{(1,1)*}$. Similar behavior was obtained for $\Omega^{(2,2)*}$ which is discussed below.

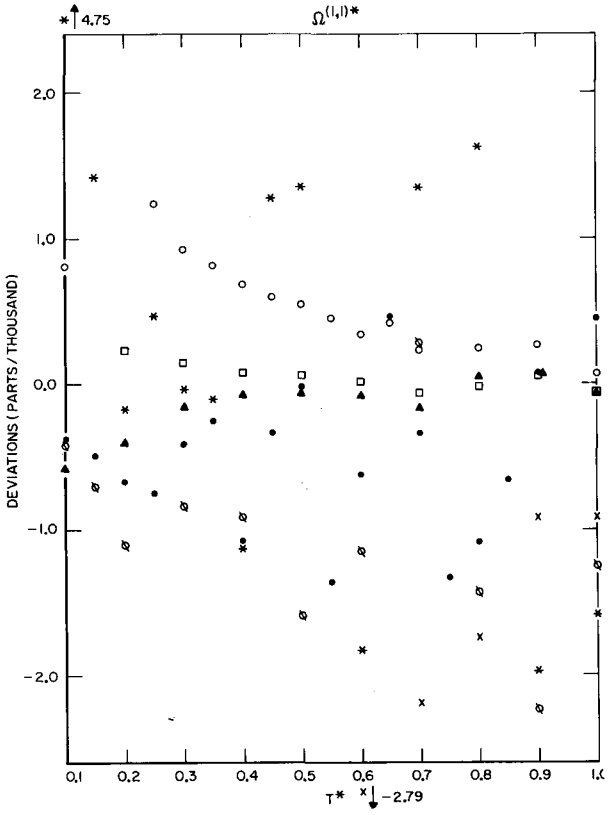

FIGURE 1. *Deviations of published tables of* $\Omega^{(1,1)*}$ *for the (12, 6) potential in the temperature range* $0.1 \leq T^* \leq 1.0$.

The symbols appearing in this figure refer to the following papers: X[16], ○[17], □[18], ▲[19], *[20], ▼[21], ●[3], ϕ[22].

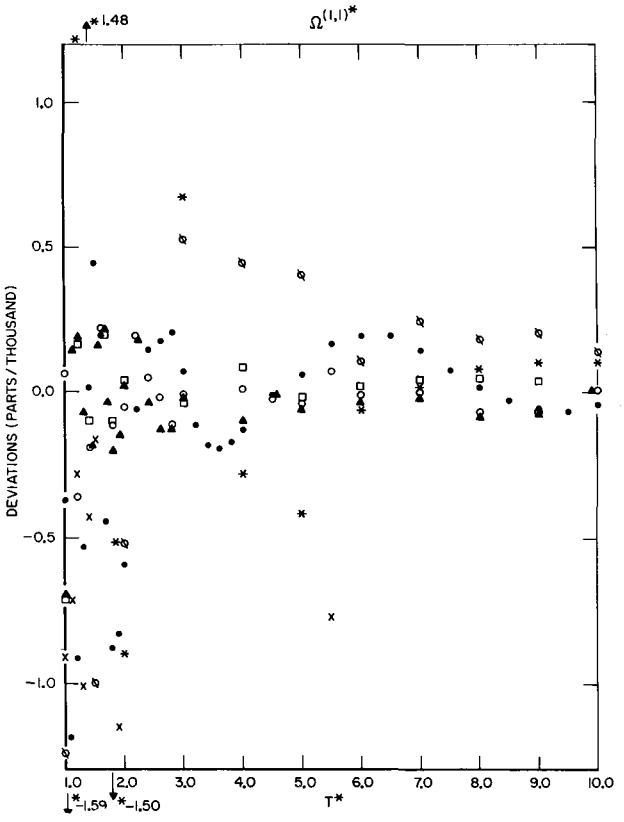

FIGURE 2. *Deviations of published tables of* $\Omega^{(1,1)*}$ *for the (12, 6) potential in the temperature range* $1.0 \leq T^* \leq 10$.

The symbols are as in figure 1.

Certain of the functions tabulated were differenced through fourth order and the results printed out. These differences indicated that the tables of second virial coefficients and their first and second derivatives are at least as precise as the one part in 10,000 at which the computation was aimed. Furthermore, this appears to be true at all temperatures. The differences for the collision integrals and the associated functions presented a more complicated picture, however. Differences were computed for the integrals $\Omega^{(2,2)*}$, for the ratio A^*, and for the Kihara second order thermal diffusion factor α_T. Judging by the behavior of these differences, the collision integrals have been calculated to a precision of one part in ten thousand or better for reduced temperatures of $T^*=3.0$ and above. At temperatures between $T^*=2.0$ and 3.0, the precision obtained is certainly better than two or three parts in ten thousand with a strong possibility that the required precision of one part in ten thousand was actually realized. Between a reduced temperature $T^*=1.0$ and 2.0, the differences indicate that a precision

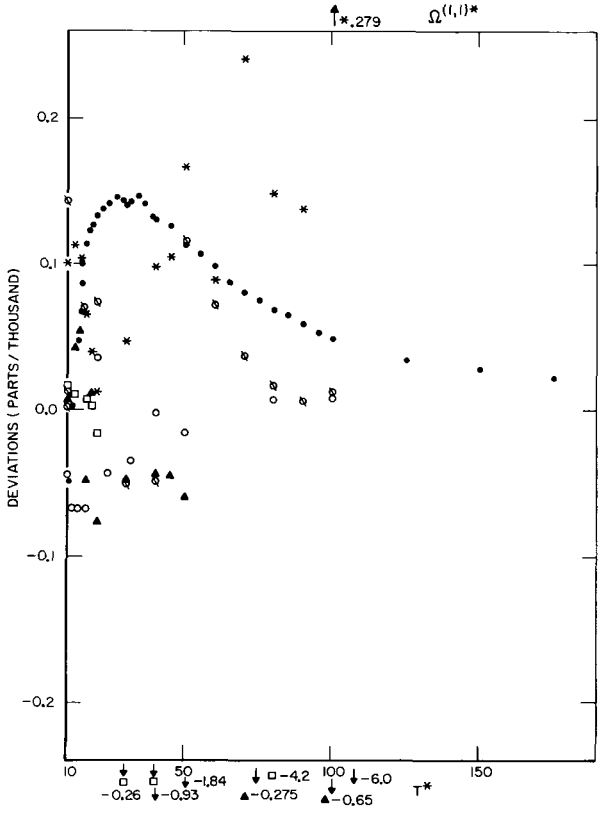

FIGURE 3. *Deviations of published tables of* $\Omega^{(1,1)*}$ *for the (12, 6) potential in the temperature range* $10. \leq T^* \leq 200.$

The symbols are as in figure 1.

of at least three or four parts in ten thousand was realized, while below $T^* = 1.0$, they indicate that a precision of slightly better than ten parts in ten thousand (i.e., 0.1%) was obtained. The reasons for this loss of precision at the lowest temperatures are not at all clear and are under investigation.

An examination of the calculated differences for the thermal diffusion factor indicates that, for corresponding temperatures, these have been calculated to a lower precision than were the collision integrals, in fact to a precision one order of magnitude worse, viz, 0.1 to 1.0 percent depending on the reduced temperature. Since the thermal diffusion factor is calculated from differences involving the collision integrals, such a loss in precision is to be expected.

In the sense that it describes internal consistency, an estimate of precision based on an examination of differences is analogous to the precision of experimental data. As in the case of experimental data, estimates of the accuracy of the tables can be had mainly from a comparison with results published by other workers. Figure 1 contains deviation plots in which are plotted the deviations of other calculations (in parts per thousand) from the present tables. The tables of Hirschfelder et al. [1] and those of Andrussow and Schramm [23] have been omitted from the plots, since deviations of each of these are over an order of magnitude larger than are the deviations included in figure 1 over much of the temperature range. The tables of Andrussow and Schramm differ systematically from the present tables by more than five parts per thousand over most of the temperature range.

If a small number of apparently randomly distributed off-scale points are neglected, the differences from other workers shown in the plots are consistent with the precision determined from the examination of differences, with the following exceptions. At temperatures above $T^* = 1.0$, the Klein and Smith (12,6) tables, [3], and those of Lin and Hsu, [20], differ from the present (12, 6) tables by up to four parts in ten thousand. In this same range, $\Omega^{(2,2)*}$ values published by Krieger, [21], deviate from the present tables by up to two parts in ten thousand. The high temperature values of Monchick and Mason, [18], for both $\Omega^{(1,1)*}$ and $\Omega^{(2,2)*}$ and of O'Connell and Prausnitz, [19], for $\Omega^{(2.2)*}$ appear to by systematically in error. With similar exceptions the deviation plots are also consistent with the precisions determined from the differences in the range $T^* = 3.0$ through $T^* = 10.0$. With the exception of the calculation by Lin and Hsu, the deviation plots are consistent with the precisions below $T^* = 1.0$. It is interesting to note that deviations from the various calculations appear in essentially equal numbers on the two sides of the base line. This precludes the drawing of any conclusions with respect to preferred published tables.

A number of interesting features appear in the deviation plots. First of all, there is a strong tendency for a given calculation to deviate systematically from the present tables indicating that some key aspect of the calculation (e.g., the calculation of r_m, the distances of closest approach) is carried out in such a way as to produce, on the average, a deviation from the present calculation of the same sign at all temperatures. The large deviations from the earlier calculations of Klein and Smith are inconsistent with the deviations listed in table 1 of their publication. Through an oversight, the tables used for their table 1 were not the same as the collision integrals published. It is interesting to note, nevertheless, that a considerable improvement has been obtained, in relation to other published tables, over

the deviations in table 1 of Klein and Smith particularly in the case of the integrals $\Omega^{(1,1)*}$. Klein and Smith showed a relatively large systematic deviation of the same sign from most other calculations for T^* below 2.0. The corresponding deviations associated with the present calculation are much more uniformly spaced about the base line.

5. Using the Tables in the Fitting of Experimental Data

Reduced tables of collision integrals and second virial coefficients are meant to be generalized tables applicable to all gases. It is therefore necessary to develop methods for fitting experimental data using these tables which are independent of any substance. Thus, for a given substance, the assumption is made that the form of the potential is correct, it then being necessary to seek the parameters m, σ, ϵ and γ which give the best fit, in a least squares sense, to the data for that substance. A number of specific methods for doing this have been described in the literature. These generally differ from each other according to the extent to which graphical techniques are included.

At one extreme are methods in which nonlinear regression computer programs are used to obtain that set of parameters m, σ, $\epsilon$and γ which yields the overall least squares minimum. In this approach, it is possible to include criteria for automatically removing from consideration those experimental points which deviate from the fit by more than some multiple of the standard deviation. At the other end are methods, such as those described by Hirschfelder et al. [1] and Mason and Rice [24], in which graphical means are used directly in the determination of the parameters. The method devised by Hanley [25] is intermediate between the extremes. It has been our experience that sufficient use should be made of graphical techniques to allow for the observation of inconsistencies among the data and to aid in obtaining a feeling for the sensitivity of the fit to minor changes in the parameters in the vicinity of the solution (i.e., the "flatness" of the multidimensional least squares surface near the minimum).

In this section we shall describe a conceptually very simple method for the fitting of the data, our purpose being broadly pedagogical rather than specifically utilitarian. The reader is referred to the literature for other, perhaps more useful, methods. We shall restrict our discussion to the fitting of viscosity and isotopic thermal diffusion factor data. The fitting of thermal conductivity, self-diffusion, and second virial data proceeds in essentially the same way as does the viscosity.

The fitting process of necessity starts with a set of experimental viscosity data as a function of the laboratory temperature T, a set of collision integrals as a function of the reduced temperature T^* and the relation (2) which connects these. We shall consider only one member of the $(m, 6, 8)$ potential family which means that both m and γ are to be held fixed during our entire discussion. For convenience, we shall rewrite (2) so that experimental quantities appear on the left hand side and theoretical quantities on the right. There results the relation (in the practical set of gram molecular units)

$$\frac{10^7\eta}{(266.93)(MT)^{1/2}} = \frac{1}{R^2\Omega^{(2,2)*}(T^*)} \tag{6}$$

The procedure begins with guesses at the potential parameters R (which can be either σ or r_m) and ϵ/k. To every experimental temperature there then corresponds a guess at a reduced temperature $T^* = T/(\epsilon/k)$ (where the guess value is used for ϵ/k). Thus, for each experimental temperature, there corresponds a collision integral $\Omega^{(2,2)*}(T^*)$. Using the guess value of R, it is then possible to construct the deviation of a theoretical quantity (the right hand side of (6)) from an experimental quantity (the left hand side of (6)). A sum over the squares of these deviations, one for each experimental temperature, is then a measure of the goodness of the fit of experiment by theory. For a given value of R, this process can be repeated for a sequence of values of ϵ/k until that value of ϵ/k is found which results in a minimum for the sum of the squares of these deviations for the chosen guess value of R. After such a value of ϵ/k has been found, the process is repeated for a sequence of values of R with, in each case, a value of ϵ/k being found which yields a minimum in the sum of the squares of the deviations. These results are then compared and, from among the set of minima, one for each of the values of R used, that one is chosen which is the least of all the minima. The associated pair of values of R and ϵ/k can then be said to be that pair of values which produces the best overall fit to experiment in a least squares sense. This process can then be continued for different values of m and γ until

that member of the $(m, 6, 8)$ family has been found which gives the best overall fit to the data.

Since it depends only on the single variable T^*, the process of fitting the isotopic thermal diffusion factor is considerably simpler. For that quantity, it is merely necessary to employ a sequence of guesses at ϵ/k (for each m and γ) until a least squares minimum is obtained. The parameter R does not enter into the calculation.

Methods exactly analogous to that described for the viscosity can be devised in an obvious way for the thermal conductivity, self-diffusion coefficient, and second virial coefficient.

We have included, as part of table 1, the Boyle temperature and volume for each of these potentials since these quantities have proven useful in the correlation of properties of gases. These quantities can be used to reduce the computation time required in a fitting process which involves the use of a number of these potentials. Thus, given a set of "best" potential parameters ϵ/k and σ for one of the potential functions, good initial guesses can be obtained for the parameters associated with a second potential from the ratios of the Boyle temperature and volume for the second potential to these same quantities for the first. A first guess at ϵ/k for the second potential can be obtained merely by dividing the ϵ/k which was obtained for the first function by the ratio of the Boyle temperature for the second potential to the Boyle temperature for the first. A first guess at σ for the second potential can be obtained by dividing the quantity $b_0\left(=\frac{2\pi N}{3}\sigma^3\right)$ for the first function by the analogous ratio of the Boyle volumes. Because of the extensive literature of (12, 6) parameters for various substances, we have specifically included the ratios of the Boyle temperatures and volumes for each of the functions to those for the (12, 6) functions, [i.e., to that of the (12, 6, 8) function with $\gamma=0$].

6. Conclusion

In conclusion, we have calculated extensive tables of collision integrals and second virial coefficients for the $(m, 6, 8)$ potential function family as a natural extension of the $(m, 6)$ function family, the latter having been studied extensively by us and by others. We have very carefully compared our results with calculations by others for the particular case corresponding to the (12, 6) function, and have concluded that the second virial coefficients at all temperatures and the collision integrals for $T^* > 3.0$ are accurate to at least one part in ten thousand. The accuracies of the collision integrals at temperatures below $T^*=3.0$ become progressively worse as the reduced temperature is lowered reaching one part in a thousand below $T^*=1.0$.

We have introduced into our analysis the distinction between precision and accuracy normally reserved for experimental data and have found these to be useful concepts particularly where complex numerical calculations are involved. Such methods of comparison should be more widely used in assessing the accuracy of numerically computed tables of scientific interest.

7. References

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TABLE 1. Values of the ratio r_m/σ and the Boyle point parameters for the $(m, 6, 8)$ potential function for various values of m and γ

m	γ	d	T_{Boyle}	$T_m/T_{12,6\text{ Boyle}}$	V_{Boyle}	$V_m/V_{12,6\text{ Boyle}}$
9	0.0	1.14471	4.55508	1.33271	0.71531	0.88176
9	1.00000	1.14190	4.34665	1.27173	0.72873	0.89830
9	2.00000	1.13929	4.15025	1.21426	0.74170	0.91429
9	3.00000	1.13686	3.96434	1.15987	0.75432	0.92985
9	4.00000	1.13458	3.78690	1.10796	0.76679	0.94522
9	5.00000	1.13244	3.61721	1.05831	0.77922	0.96054
10	0.0	1.13622	4.05789	1.18724	0.75278	0.92795
10	1.00000	1.13171	3.74269	1.09502	0.77526	0.95566
10	2.00000	1.12773	3.45363	1.01045	0.79717	0.98267
10	3.00000	1.12417	3.18564	0.93204	0.81914	1.00975
10	4.00000	1.12096	2.93500	0.85871	0.84181	1.03770
11	0.0	1.12888	3.69489	1.08104	0.78428	0.96678
11	1.00000	1.12333	3.31918	0.97111	0.81349	1.00279
11	1.50000	1.12087	3.14572	0.92036	0.82801	1.02068
11	2.00000	1.11858	2.98020	0.87194	0.84275	1.03885
11	2.50000	1.11645	2.82175	0.82558	0.85788	1.05750
11	3.00000	1.11446	2.66963	0.78107	0.87362	1.07691
12	0.0	1.12246	3.41791	1.00000	0.81123	1.00000
12	0.50000	1.11920	3.20571	0.93792	0.82846	1.02124
12	1.00000	1.11625	3.00616	0.87953	0.84571	1.04250
12	2.50000	1.10880	2.46697	0.72178	0.90105	1.11072
13	0.0	1.11679	3.19950	0.93610	0.83456	1.02876
13	0.40000	1.11396	3.01903	0.88330	0.84994	1.04772
13	0.80000	1.11138	2.84783	0.83321	0.86550	1.06690
13	1.00000	1.11017	2.76537	0.80908	0.87340	1.07664
13	1.50000	1.10735	2.56728	0.75113	0.89385	1.10184
13	2.00000	1.10478	2.37954	0.69620	0.91573	1.12882
14	0.0	1.11172	3.02273	0.88438	0.85497	1.05392
14	0.20000	1.11022	2.92803	0.85667	0.86328	1.06416
14	0.40000	1.10878	2.83612	0.82978	0.87165	1.07448
14	0.60000	1.10742	2.74662	0.80360	0.88012	1.08492
14	0.80000	1.10612	2.65943	0.77809	0.88875	1.09556
14	1.00000	1.10487	2.57443	0.75322	0.89755	1.10641
14	1.50000	1.10198	2.37043	0.69353	0.92070	1.13494
15	0.0	1.10717	2.87654	0.84161	0.87299	1.07613
15	0.20000	1.10563	2.77995	0.81335	0.88182	1.08702
15	0.40000	1.10417	2.68605	0.78587	0.89076	1.09804
15	0.60000	1.10278	2.59485	0.75919	0.89989	1.10929
15	0.80000	1.10146	2.50588	0.73316	0.90922	1.12079
15	1.00000	1.10020	2.41927	0.70782	0.91886	1.13267
15	1.50000	1.09728	2.21156	0.64705	0.94463	1.16444
16	0.0	1.10305	2.75361	0.80564	0.88904	1.09592
16	0.20000	1.10149	2.65573	0.77700	0.89830	1.10733
16	0.40000	1.10002	2.56070	0.74920	0.90774	1.11897
16	0.60000	1.09862	2.46825	0.72215	0.91745	1.13094
16	0.80000	1.09729	2.37832	0.69584	0.92746	1.14328
16	1.00000	1.09603	2.29052	0.67015	0.93787	1.15611
17	0.0	1.09930	2.64868	0.77494	0.90343	1.11365
17	0.20000	1 09774	2.55004	0.74608	0 91305	1.12551
17	0.40000	1.09626	2.45429	0.71807	0.92294	1.13770
17	0.60000	1.09486	2.36117	0.69082	0.93315	1.15029
17	0.80000	1.09354	2.27047	0.66429	0.94380	1.16342
17	1.00000	1.09228	2.18220	0.63846	0.95496	1.17717
18	0.0	1.09587	2.55802	0.74842	0.91639	1.12963
18	0.20000	1.09431	2.45897	0.71944	0.92634	1.14190
18	0.40000	1.09284	2.36281	0.69130	0.93661	1.15456
18	0.60000	1.09145	2.26924	0.66393	0.94734	1.16778

TABLE 2. *Collision integrals for the* (m, 6, 8) *potential for various values of* m *and* γ

Collision integrals for the (9, 6, 8) *potential function for* $\gamma = 0$.

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	4.72922	4.16016	4.73508	3.76851	4.32859	4.37200	15.00	0.64363	0.60241	0.73242	0.57405	0.69989	0.65257
0.15	4.06781	3.54100	4.12413	3.16337	3.77632	3.71290	16.00	0.63571	0.59513	0.72407	0.56709	0.69196	0.64503
0.20	3.61854	3.10241	3.74068	2.71704	3.41735	3.25647	17.00	0.62838	0.58837	0.71633	0.56063	0.68457	0.63803
0.25	3.27320	2.75762	3.45243	2.37194	3.12632	2.91249	18.00	0.62156	0.58205	0.70910	0.55458	0.67767	0.63148
0.30	2.99195	2.47996	3.21091	2.10664	2.87447	2.64396	19.00	0.61519	0.57614	0.70234	0.54892	0.67119	0.62535
0.35	2.75731	2.25572	3.00049	1.90040	2.65106	2.42562	20.00	0.60921	0.57058	0.69597	0.54359	0.66509	0.61957
0.40	2.55892	2.07185	2.81251	1.74054	2.45741	2.24615	22.00	0.59827	0.56037	0.68428	0.53380	0.65386	0.60895
0.45	2.38971	1.92093	2.64398	1.61266	2.29089	2.09567	24.00	0.58846	0.55118	0.67376	0.52499	0.64373	0.59937
0.50	2.24433	1.79618	2.49696	1.51076	2.14567	1.96881	26.00	0.57957	0.54285	0.66420	0.51698	0.63451	0.59067
0.55	2.11958	1.69124	2.36330	1.42684	2.02104	1.85994	28.00	0.57146	0.53523	0.65544	0.50966	0.62606	0.58269
0.60	2.01020	1.60248	2.24711	1.35811	1.91433	1.76628	30.00	0.56401	0.52821	0.64737	0.50292	0.61826	0.57534
0.65	1.91515	1.52755	2.14179	1.30052	1.82054	1.68544	32.00	0.55712	0.52171	0.63988	0.49668	0.61103	0.56853
0.70	1.83015	1.46242	2.04768	1.25154	1.73927	1.61487	34.00	0.55071	0.51567	0.63291	0.49087	0.60429	0.56218
0.75	1.75663	1.40569	1.96465	1.20950	1.66846	1.55247	36.00	0.54473	0.51002	0.62639	0.48545	0.59798	0.55624
0.80	1.69059	1.35705	1.89056	1.17316	1.60629	1.49738	38.00	0.53913	0.50473	0.62027	0.48036	0.59206	0.55067
0.85	1.63049	1.31408	1.82259	1.14164	1.55123	1.44871	40.00	0.53386	0.49975	0.61450	0.47557	0.58648	0.54542
0.90	1.57779	1.27589	1.76152	1.11383	1.50215	1.40541	45.00	0.52192	0.48846	0.60140	0.46473	0.57380	0.53350
0.95	1.53039	1.24174	1.70661	1.08909	1.45842	1.36650	50.00	0.51144	0.47854	0.58984	0.45520	0.56262	0.52300
1.00	1.48705	1.21112	1.65697	1.06697	1.41934	1.33136	55.00	0.50210	0.46971	0.57953	0.44671	0.55265	0.51363
1.10	1.41083	1.15893	1.57064	1.02912	1.35253	1.27073	60.00	0.49371	0.46176	0.57022	0.43908	0.54365	0.50519
1.20	1.34810	1.11603	1.49752	0.99782	1.29750	1.22035	65.00	0.48608	0.45454	0.56176	0.43215	0.53546	0.49752
1.30	1.29473	1.07979	1.43577	0.97154	1.25149	1.17807	70.00	0.47911	0.44794	0.55400	0.42582	0.52797	0.49049
1.40	1.24853	1.04890	1.38326	0.94902	1.21250	1.14208	75.00	0.47270	0.44187	0.54685	0.41999	0.52105	0.48401
1.50	1.20830	1.02224	1.33794	0.92944	1.17910	1.11097	80.00	0.46676	0.43625	0.54022	0.41460	0.51465	0.47801
1.60	1.17328	0.99900	1.29842	0.91223	1.15022	1.08387	85.00	0.46124	0.43103	0.53404	0.40959	0.50869	0.47243
1.70	1.14287	0.97865	1.26369	0.89694	1.12498	1.06008	90.00	0.45608	0.42615	0.52827	0.40491	0.50311	0.46721
1.80	1.11570	0.96054	1.23285	0.88323	1.10269	1.03898	95.00	0.45125	0.42157	0.52285	0.40053	0.49788	0.46232
1.90	1.09119	0.94427	1.20542	0.87083	1.08285	1.02014	100.00	0.44670	0.41727	0.51774	0.39640	0.49295	0.45771
2.00	1.06906	0.92955	1.18092	0.85956	1.06508	1.00325	125.00	0.42736	0.39899	0.49596	0.37888	0.47196	0.43808
2.20	1.03083	0.90398	1.13900	0.83971	1.03448	0.97403	150.00	0.41207	0.38455	0.47869	0.36506	0.45533	0.42254
2.40	0.99891	0.88239	1.10431	0.82270	1.00899	0.94964	175.00	0.39951	0.37269	0.46445	0.35372	0.44163	0.40975
2.60	0.97218	0.86386	1.07506	0.80786	0.98741	0.92882	200.00	0.38889	0.36267	0.45238	0.34414	0.43003	0.39893
2.80	0.94902	0.84771	1.05004	0.79473	0.96874	0.91086							
3.00	0.92868	0.83345	1.02833	0.78297	0.95239	0.89510							
3.20	0.91072	0.82071	1.00928	0.77235	0.93791	0.88113							
3.40	0.89472	0.80921	0.99242	0.76266	0.92493	0.86861							
3.60	0.88034	0.79875	0.97736	0.75376	0.91321	0.85729							
3.80	0.86734	0.78917	0.96380	0.74554	0.90254	0.84699							
4.00	0.85552	0.78034	0.95150	0.73791	0.89276	0.83754							
4.50	0.83012	0.76093	0.92507	0.72092	0.87140	0.81690							
5.00	0.80906	0.74446	0.90328	0.70629	0.85341	0.79955							
5.50	0.79113	0.73018	0.88484	0.69346	0.83791	0.78461							
6.00	0.77560	0.71761	0.86892	0.68204	0.82430	0.77150							
6.50	0.76195	0.70637	0.85493	0.67176	0.81217	0.75983							
7.00	0.74980	0.69623	0.84248	0.66242	0.80124	0.74933							
7.50	0.73888	0.68699	0.83127	0.65386	0.79129	0.73978							
8.00	0.72897	0.67852	0.82109	0.64598	0.78216	0.73104							
8.50	0.71990	0.67069	0.81176	0.63867	0.77374	0.72296							
9.00	0.71156	0.66342	0.80315	0.63185	0.76591	0.71547							
9.50	0.70383	0.65664	0.79517	0.62548	0.75860	0.70849							
10.00	0.69665	0.65028	0.78773	0.61950	0.75175	0.70194							
11.00	0.68361	0.63867	0.77420	0.60852	0.73921	0.68998							
12.00	0.67204	0.62827	0.76216	0.59867	0.72797	0.67926							
13.00	0.66165	0.61887	0.75132	0.58973	0.71778	0.66956							
14.00	0.65223	0.61029	0.74146	0.58156	0.70846	0.66071							

Collision integrals for the (9, 6, 8) potential function for $\gamma = 1$.

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	4.59710	4.04780	4.61987	3.67550	4.23107	4.26791	15.00	0.64879	0.60793	0.73701	0.57980	0.70485	0.65773
0.15	3.95912	3.45733	4.03056	3.09808	3.69586	3.63525	16.00	0.64094	0.60071	0.72875	0.57289	0.69700	0.65027
0.20	3.53095	3.04016	3.66146	2.67262	3.34928	3.19645	17.00	0.63367	0.59400	0.72110	0.56647	0.68969	0.64333
0.25	3.20323	2.71120	3.38407	2.34323	3.07186	2.86663	18.00	0.62691	0.58773	0.71395	0.56047	0.68285	0.63685
0.30	2.93468	2.44515	3.15219	2.08572	2.82826	2.60638	19.00	0.62059	0.58186	0.70725	0.55484	0.67644	0.63076
0.35	2.70982	2.22647	2.94711	1.88675	2.61476	2.39601	20.00	0.61466	0.57634	0.70096	0.54955	0.67040	0.62504
0.40	2.51931	2.05086	2.76869	1.72852	2.42641	2.21936	22.00	0.60381	0.56620	0.68939	0.53982	0.65927	0.61451
0.45	2.35670	1.90467	2.60686	1.60422	2.26540	2.07468	24.00	0.59407	0.55708	0.67897	0.53106	0.64924	0.60501
0.50	2.21735	1.78338	2.46591	1.50517	2.12617	1.95175	26.00	0.58525	0.54880	0.66951	0.52310	0.64011	0.59638
0.55	2.09621	1.67944	2.33397	1.42249	2.00395	1.84541	28.00	0.57720	0.54122	0.66083	0.51582	0.63173	0.58847
0.60	1.98970	1.59334	2.22201	1.35441	1.89976	1.75375	30.00	0.56980	0.53425	0.65284	0.50911	0.62400	0.58117
0.65	1.89568	1.52151	2.12249	1.29807	1.80875	1.67485	32.00	0.56295	0.52779	0.64543	0.50290	0.61683	0.57440
0.70	1.81586	1.45698	2.02949	1.24985	1.72904	1.60594	34.00	0.55659	0.52178	0.63852	0.49712	0.61015	0.56810
0.75	1.74281	1.40091	1.94780	1.20850	1.65969	1.54502	36.00	0.55065	0.51617	0.63205	0.49172	0.60390	0.56221
0.80	1.67576	1.35251	1.87541	1.17254	1.59867	1.49094	38.00	0.54508	0.51090	0.62598	0.48665	0.59802	0.55667
0.85	1.61852	1.31074	1.80988	1.14133	1.54473	1.44306	40.00	0.53984	0.50594	0.62026	0.48189	0.59248	0.55145
0.90	1.56810	1.27348	1.75026	1.11389	1.49655	1.40049	45.00	0.52798	0.49471	0.60727	0.47108	0.57990	0.53961
0.95	1.52386	1.23977	1.69621	1.08951	1.45356	1.36237	50.00	0.51755	0.48483	0.59581	0.46158	0.56880	0.52918
1.00	1.48133	1.20989	1.64780	1.06769	1.41511	1.32791	55.00	0.50827	0.47603	0.58557	0.45312	0.55889	0.51986
1.10	1.40536	1.15813	1.56311	1.03023	1.34926	1.26821	60.00	0.49991	0.46811	0.57634	0.44551	0.54995	0.51146
1.20	1.34227	1.11579	1.49151	0.99931	1.29509	1.21864	65.00	0.49232	0.46092	0.56793	0.43860	0.54181	0.50383
1.30	1.29084	1.08021	1.43086	0.97330	1.24976	1.17695	70.00	0.48538	0.45434	0.56022	0.43228	0.53436	0.49683
1.40	1.24571	1.04966	1.37910	0.95104	1.21129	1.14146	75.00	0.47899	0.44828	0.55312	0.42646	0.52749	0.49038
1.50	1.20671	1.02334	1.33452	0.93167	1.17832	1.11081	80.00	0.47307	0.44268	0.54653	0.42108	0.52111	0.48441
1.60	1.17195	1.00038	1.29568	0.91464	1.14979	1.08407	85.00	0.46757	0.43746	0.54039	0.41607	0.51518	0.47885
1.70	1.14173	0.98025	1.26155	0.89953	1.12487	1.06059	90.00	0.46243	0.43259	0.53465	0.41140	0.50963	0.47365
1.80	1.11495	0.96236	1.23120	0.88597	1.10287	1.03977	95.00	0.45761	0.42803	0.52926	0.40702	0.50443	0.46877
1.90	1.09106	0.94628	1.20413	0.87370	1.08326	1.02115	100.00	0.45308	0.42374	0.52418	0.40290	0.49952	0.46418
2.00	1.06938	0.93173	1.17992	0.86255	1.06571	1.00446	125.00	0.43378	0.40547	0.50251	0.38538	0.47861	0.44461
2.20	1.03140	0.90645	1.13856	0.84291	1.03548	0.97561	150.00	0.41852	0.39104	0.48530	0.37155	0.46203	0.42910
2.40	1.00006	0.88513	1.10437	0.82608	1.01030	0.95150	175.00	0.40597	0.37917	0.47111	0.36019	0.44836	0.41633
2.60	0.97367	0.86678	1.07548	0.81140	0.98897	0.93093	200.00	0.39535	0.36915	0.45908	0.35059	0.43678	0.40551
2.80	0.95080	0.85081	1.05079	0.79841	0.97053	0.91319							
3.00	0.93066	0.83670	1.02936	0.78678	0.95437	0.89761							
3.20	0.91295	0.82410	1.01055	0.77626	0.94005	0.88380							
3.40	0.89725	0.81273	0.99389	0.76667	0.92724	0.87143							
3.60	0.88306	0.80238	0.97902	0.75787	0.91566	0.86024							
3.80	0.87015	0.79290	0.96562	0.74973	0.90511	0.85005							
4.00	0.85849	0.78417	0.95347	0.74218	0.89545	0.84071							
4.50	0.83332	0.76496	0.92736	0.72537	0.87434	0.82031							
5.00	0.81252	0.74866	0.90584	0.71088	0.85658	0.80316							
5.50	0.79481	0.73453	0.88762	0.69817	0.84126	0.78838							
6.00	0.77946	0.72208	0.87189	0.68686	0.82781	0.77542							
6.50	0.76594	0.71095	0.85808	0.67668	0.81583	0.76388							
7.00	0.75392	0.70091	0.84577	0.66743	0.80503	0.75350							
7.50	0.74312	0.69177	0.83470	0.65895	0.79520	0.74405							
8.00	0.73331	0.68337	0.82464	0.65114	0.78618	0.73540							
8.50	0.72433	0.67562	0.81542	0.64389	0.77786	0.72741							
9.00	0.71607	0.66841	0.80692	0.63714	0.77012	0.72000							
9.50	0.70842	0.66169	0.79903	0.63082	0.76290	0.71309							
10.00	0.70130	0.65540	0.79168	0.62489	0.75612	0.70661							
11.00	0.68840	0.64389	0.77831	0.61401	0.74373	0.69477							
12.00	0.67694	0.63358	0.76641	0.60423	0.73261	0.68417							
13.00	0.66665	0.62425	0.75569	0.59536	0.72254	0.67456							
14.00	0.65731	0.61575	0.74594	0.58726	0.71333	0.66580							

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Collision integrals for the (9, 6, 8) potential function for $\gamma = 2$.

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	4.46567	3.94241	4.50502	3.58609	4.12875	4.15731	15.00	0.65339	0.61286	0.74112	0.58492	0.70929	0.66235
0.15	3.85894	3.37966	3.93744	3.03656	3.61385	3.55524	16.00	0.64561	0.60569	0.73296	0.57806	0.70151	0.65495
0.20	3.45077	2.98126	3.58103	2.63056	3.28098	3.13596	17.00	0.63839	0.59902	0.72537	0.57167	0.69427	0.64807
0.25	3.13655	2.66633	3.31446	2.31532	3.01728	2.82087	18.00	0.63168	0.59280	0.71829	0.56571	0.68750	0.64164
0.30	2.87927	2.41061	3.09219	2.06639	2.78353	2.56881	19.00	0.62541	0.58696	0.71166	0.56011	0.68114	0.63560
0.35	2.66375	2.20147	2.89716	1.87159	2.57747	2.36455	20.00	0.61952	0.58148	0.70542	0.55485	0.67515	0.62992
0.40	2.48111	2.03146	2.72608	1.71867	2.39808	2.19521	22.00	0.60875	0.57140	0.69396	0.54517	0.66412	0.61946
0.45	2.32399	1.88792	2.56989	1.59610	2.24048	2.05387	24.00	0.59908	0.56233	0.68364	0.53645	0.65417	0.61004
0.50	2.18916	1.77056	2.43374	1.49943	2.10677	1.93464	26.00	0.59031	0.55409	0.67426	0.52853	0.64511	0.60146
0.55	2.07087	1.66900	2.30694	1.41853	1.98775	1.83160	28.00	0.58231	0.54656	0.66566	0.52128	0.63680	0.59360
0.60	1.97049	1.58427	2.19709	1.35100	1.88565	1.74175	30.00	0.57496	0.53961	0.65773	0.51460	0.62913	0.58636
0.65	1.87803	1.51416	2.10169	1.29549	1.79724	1.66446	32.00	0.56815	0.53319	0.65038	0.50841	0.62201	0.57963
0.70	1.79981	1.45171	2.01180	1.24819	1.71922	1.59721	34.00	0.56182	0.52720	0.64352	0.50265	0.61538	0.57337
0.75	1.72977	1.39694	1.93219	1.20730	1.65108	1.53758	36.00	0.55591	0.52161	0.63711	0.49727	0.60917	0.56751
0.80	1.66514	1.34856	1.86092	1.17192	1.59138	1.48470	38.00	0.55038	0.51637	0.63109	0.49222	0.60333	0.56200
0.85	1.60855	1.30734	1.79746	1.14096	1.53843	1.43763	40.00	0.54516	0.51143	0.62541	0.48747	0.59783	0.55682
0.90	1.55782	1.27085	1.73917	1.11385	1.49120	1.39574	45.00	0.53336	0.50024	0.61251	0.47670	0.58532	0.54504
0.95	1.51425	1.23794	1.68628	1.08978	1.44890	1.35828	50.00	0.52298	0.49040	0.60112	0.46722	0.57429	0.53465
1.00	1.47424	1.20828	1.63857	1.06822	1.41100	1.32447	55.00	0.51373	0.48162	0.59095	0.45878	0.56444	0.52538
1.10	1.40069	1.15734	1.55576	1.03118	1.34611	1.26573	60.00	0.50540	0.47372	0.58177	0.45118	0.55554	0.51702
1.20	1.33764	1.11550	1.48580	1.00059	1.29274	1.21692	65.00	0.49784	0.46655	0.57342	0.44428	0.54745	0.50941
1.30	1.28682	1.08039	1.42605	0.97483	1.24803	1.17579	70.00	0.49093	0.45998	0.56575	0.43797	0.54003	0.50244
1.40	1.24306	1.05032	1.37512	0.95280	1.21009	1.14077	75.00	0.48455	0.45394	0.55868	0.43216	0.53319	0.49602
1.50	1.20440	1.02423	1.33117	0.93365	1.17753	1.11056	80.00	0.47866	0.44834	0.55213	0.42678	0.52684	0.49006
1.60	1.17062	1.00157	1.29300	0.91679	1.14933	1.08417	85.00	0.47317	0.44314	0.54602	0.42177	0.52093	0.48452
1.70	1.14059	0.98159	1.25936	0.90182	1.12469	1.06096	90.00	0.46804	0.43827	0.54030	0.41710	0.51541	0.47933
1.80	1.11421	0.96392	1.22954	0.88841	1.10296	1.04040	95.00	0.46323	0.43371	0.53494	0.41272	0.51022	0.47447
1.90	1.09062	0.94805	1.20285	0.87627	1.08360	1.02203	100.00	0.45871	0.42942	0.52988	0.40860	0.50533	0.46989
2.00	1.06936	0.93367	1.17896	0.86521	1.06622	1.00550	125.00	0.43944	0.41116	0.50829	0.39107	0.48448	0.45035
2.20	1.03201	0.90864	1.13806	0.84577	1.03635	0.97699	150.00	0.42420	0.39673	0.49114	0.37723	0.46793	0.43486
2.40	1.00100	0.88756	1.10432	0.82910	1.01145	0.95314	175.00	0.41165	0.38485	0.47699	0.36585	0.45429	0.42210
2.60	0.97481	0.86939	1.07580	0.81458	0.99035	0.93281	200.00	0.40103	0.37481	0.46498	0.35623	0.44272	0.41128
2.80	0.95233	0.85358	1.05142	0.80170	0.97211	0.91524							
3.00	0.93250	0.83960	1.03025	0.79019	0.95614	0.89985							
3.20	0.91494	0.82712	1.01166	0.77977	0.94198	0.88618							
3.40	0.89939	0.81587	0.99519	0.77027	0.92930	0.87394							
3.60	0.88542	0.80563	0.98048	0.76155	0.91785	0.86287							
3.80	0.87268	0.79624	0.96724	0.75349	0.90742	0.85279							
4.00	0.86111	0.78759	0.95522	0.74601	0.89786	0.84355							
4.50	0.83617	0.76856	0.92941	0.72935	0.87699	0.82336							
5.00	0.81560	0.75242	0.90813	0.71499	0.85942	0.80638							
5.50	0.79809	0.73842	0.89012	0.70240	0.84428	0.79176							
6.00	0.78290	0.72608	0.87456	0.69119	0.83098	0.77893							
6.50	0.76952	0.71506	0.86090	0.68109	0.81913	0.76751							
7.00	0.75760	0.70511	0.84874	0.67191	0.80844	0.75723							
7.50	0.74690	0.69604	0.83778	0.66351	0.79872	0.74788							
8.00	0.73719	0.68771	0.82783	0.65576	0.78980	0.73931							
8.50	0.72829	0.68003	0.81872	0.64857	0.78156	0.73140							
9.00	0.72011	0.67288	0.81031	0.64187	0.77390	0.72406							
9.50	0.71252	0.66622	0.80251	0.63560	0.76676	0.71721							
10.00	0.70547	0.65997	0.79523	0.62971	0.76006	0.71080							
11.00	0.69267	0.64855	0.78201	0.61890	0.74779	0.69907							
12.00	0.68132	0.63832	0.77023	0.60920	0.73678	0.68856							
13.00	0.67111	0.62907	0.75962	0.60039	0.72681	0.67904							
14.00	0.66186	0.62062	0.74997	0.59233	0.71768	0.67035							

Collision integrals for the (9, 6, 8) potential function for $\gamma=3$.

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	4.33425	3.83934	4.38609	3.50034	4.02416	4.04290	15.00	0.65756	0.61731	0.74486	0.58954	0.71331	0.66652
0.15	3.75876	3.30233	3.83999	2.97464	3.52848	3.47020	16.00	0.64982	0.61018	0.73676	0.58271	0.70560	0.65918
0.20	3.36944	2.92207	3.49786	2.58861	3.21184	3.07303	17.00	0.64266	0.60355	0.72924	0.57636	0.69841	0.65235
0.25	3.07150	2.62214	3.24423	2.28401	2.95848	2.77008	18.00	0.63600	0.59736	0.72223	0.57043	0.69170	0.64596
0.30	2.82468	2.37746	3.03309	2.04681	2.73927	2.53137	19.00	0.62976	0.59156	0.71565	0.56486	0.68539	0.63996
0.35	2.61870	2.17731	2.84897	1.85674	2.54101	2.33316	20.00	0.62391	0.58611	0.70947	0.55962	0.67945	0.63432
0.40	2.44342	2.01178	2.68374	1.70917	2.37069	2.17239	22.00	0.61320	0.57608	0.69810	0.54998	0.66850	0.62393
0.45	2.29253	1.87110	2.53287	1.58857	2.21662	2.03380	24.00	0.60359	0.56705	0.68786	0.54130	0.65863	0.61457
0.50	2.16198	1.75784	2.40156	1.49346	2.08757	1.91793	26.00	0.59488	0.55886	0.67855	0.53341	0.64963	0.60605
0.55	2.04775	1.65946	2.28155	1.41420	1.97172	1.81754	28.00	0.58692	0.55135	0.67002	0.52618	0.64138	0.59823
0.60	1.95099	1.57595	2.17328	1.34799	1.87215	1.73018	30.00	0.57960	0.54444	0.66215	0.51953	0.63376	0.59102
0.65	1.86162	1.50648	2.08052	1.29294	1.78599	1.65443	32.00	0.57283	0.53804	0.65485	0.51336	0.62668	0.58434
0.70	1.78408	1.44655	1.99509	1.24644	1.70979	1.58862	34.00	0.56653	0.53208	0.64804	0.50762	0.62009	0.57811
0.75	1.71670	1.39248	1.91659	1.20612	1.64288	1.53040	36.00	0.56065	0.52651	0.64167	0.50225	0.61392	0.57228
0.80	1.65499	1.34515	1.84709	1.17123	1.58432	1.47866	38.00	0.55514	0.52128	0.63569	0.49722	0.60811	0.56680
0.85	1.59773	1.30400	1.78505	1.14058	1.53231	1.43237	40.00	0.54995	0.51636	0.63005	0.49248	0.60264	0.56164
0.90	1.54846	1.26816	1.72843	1.11373	1.48601	1.39115	45.00	0.53819	0.50520	0.61723	0.48173	0.59021	0.54991
0.95	1.50477	1.23601	1.67679	1.08992	1.44440	1.35426	50.00	0.52785	0.49539	0.60591	0.47227	0.57923	0.53957
1.00	1.46657	1.20672	1.62982	1.06862	1.40706	1.32105	55.00	0.51863	0.48663	0.59580	0.46384	0.56943	0.53033
1.10	1.39515	1.15661	1.54874	1.03201	1.34311	1.26334	60.00	0.51033	0.47875	0.58667	0.45625	0.56057	0.52200
1.20	1.33376	1.11512	1.48020	1.00172	1.29046	1.21521	65.00	0.50280	0.47159	0.57835	0.44936	0.55251	0.51442
1.30	1.28289	1.08044	1.42140	0.97618	1.24635	1.17462	70.00	0.49590	0.46504	0.57072	0.44305	0.54512	0.50747
1.40	1.24020	1.05081	1.37128	0.95437	1.20891	1.14004	75.00	0.48954	0.45900	0.56369	0.43724	0.53830	0.50106
1.50	1.20220	1.02503	1.32799	0.93541	1.17674	1.11023	80.00	0.48366	0.45341	0.55716	0.43187	0.53198	0.49512
1.60	1.16917	1.00259	1.29037	0.91872	1.14886	1.08418	85.00	0.47818	0.44821	0.55108	0.42686	0.52609	0.48959
1.70	1.13946	0.98280	1.25723	0.90388	1.12448	1.06124	90.00	0.47306	0.44335	0.54539	0.42219	0.52058	0.48442
1.80	1.11339	0.96528	1.22788	0.89059	1.10298	1.04092	95.00	0.46826	0.43879	0.54004	0.41781	0.51541	0.47956
1.90	1.09008	0.94959	1.20159	0.87857	1.08385	1.02276	100.00	0.46375	0.43450	0.53500	0.41369	0.51054	0.47499
2.00	1.06916	0.93539	1.17799	0.86761	1.06667	1.00642	125.00	0.44450	0.41624	0.51348	0.39615	0.48973	0.45548
2.20	1.03255	0.91060	1.13754	0.84835	1.03711	0.97821	150.00	0.42926	0.40180	0.49637	0.38228	0.47321	0.44000
2.40	1.00177	0.88972	1.10420	0.83183	1.01247	0.95461	175.00	0.41672	0.38991	0.48224	0.37087	0.45958	0.42724
2.60	0.97578	0.87175	1.07606	0.81744	0.99159	0.93448	200.00	0.40609	0.37985	0.47025	0.36123	0.44802	0.41643
2.80	0.95363	0.85606	1.05194	0.80468	0.97353	0.91710							
3.00	0.93410	0.84222	1.03102	0.79327	0.95773	0.90186							
3.20	0.91673	0.82985	1.01265	0.78294	0.94371	0.88833							
3.40	0.90130	0.81870	0.99635	0.77353	0.93117	0.87621							
3.60	0.88750	0.80856	0.98179	0.76488	0.91983	0.86525							
3.80	0.87495	0.79926	0.96869	0.75689	0.90951	0.85527							
4.00	0.86344	0.79069	0.95680	0.74947	0.90005	0.84611							
4.50	0.83875	0.77183	0.93126	0.73295	0.87940	0.82613							
5.00	0.81837	0.75582	0.91020	0.71872	0.86201	0.80931							
5.50	0.80104	0.74194	0.89238	0.70622	0.84701	0.79482							
6.00	0.78600	0.72970	0.87699	0.69510	0.83385	0.78211							
6.50	0.77276	0.71877	0.86347	0.68508	0.82212	0.77080							
7.00	0.76094	0.70890	0.85143	0.67597	0.81154	0.76061							
7.50	0.75033	0.69990	0.84058	0.66763	0.80191	0.75134							
8.00	0.74070	0.69164	0.83073	0.65993	0.79308	0.74285							
8.50	0.73188	0.68401	0.82170	0.65279	0.78492	0.73501							
9.00	0.72375	0.67692	0.81338	0.64614	0.77734	0.72773							
9.50	0.71623	0.67031	0.80565	0.63991	0.77026	0.72095							
10.00	0.70923	0.66411	0.79845	0.63406	0.76362	0.71458							
11.00	0.69654	0.65277	0.78536	0.62332	0.75147	0.70295							
12.00	0.68527	0.64261	0.77369	0.61368	0.74056	0.69252							
13.00	0.67515	0.63341	0.76319	0.60492	0.73067	0.68308							
14.00	0.66596	0.62502	0.75363	0.59691	0.72163	0.67446							

Collision integrals for the (9, 6, 8) potential function for $\gamma=4$.

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	4.20479	3.73551	4.27279	3.41425	3.92796	3.94048	15.00	0.66135	0.62136	0.74827	0.59374	0.71698	0.67033
0.15	3.65854	3.22605	3.75014	2.91593	3.45222	3.39549	16.00	0.65367	0.61427	0.74024	0.58695	0.70933	0.66303
0.20	3.29052	2.86570	3.42276	2.54824	3.14835	3.01655	17.00	0.64655	0.60768	0.73278	0.58063	0.70220	0.65624
0.25	3.00517	2.57951	3.17970	2.25713	2.90711	2.72663	18.00	0.63992	0.60152	0.72582	0.57472	0.69553	0.64990
0.30	2.77232	2.34426	2.97679	2.02620	2.69561	2.49528	19.00	0.63373	0.59575	0.71930	0.56917	0.68927	0.64394
0.35	2.57504	2.15265	2.80191	1.84241	2.50646	2.30470	20.00	0.62791	0.59032	0.71316	0.56395	0.68337	0.63833
0.40	2.40690	1.99107	2.64203	1.69759	2.34632	2.14695	22.00	0.61726	0.58034	0.70188	0.55435	0.67250	0.62801
0.45	2.26085	1.85643	2.49924	1.58170	2.19437	2.01502	24.00	0.60769	0.57135	0.69172	0.54570	0.66269	0.61869
0.50	2.13609	1.74504	2.37090	1.48726	2.06826	1.90137	26.00	0.59903	0.56318	0.68247	0.53784	0.65375	0.61022
0.55	2.02638	1.65035	2.25728	1.41023	1.95684	1.80445	28.00	0.59111	0.55571	0.67400	0.53063	0.64555	0.60244
0.60	1.93051	1.56851	2.15143	1.34531	1.85947	1.71937	30.00	0.58382	0.54882	0.66618	0.52400	0.63797	0.59527
0.65	1.84582	1.49915	2.05994	1.29042	1.77497	1.64478	32.00	0.57708	0.54244	0.65892	0.51785	0.63094	0.58862
0.70	1.76892	1.44079	1.97833	1.24455	1.70072	1.58041	34.00	0.57081	0.53650	0.65216	0.51212	0.62438	0.58242
0.75	1.70342	1.38833	1.90208	1.20499	1.63512	1.52345	36.00	0.56496	0.53095	0.64583	0.50677	0.61824	0.57661
0.80	1.64409	1.34220	1.83428	1.17044	1.57740	1.47264	38.00	0.55946	0.52574	0.63988	0.50174	0.61247	0.57116
0.85	1.58882	1.30097	1.77314	1.14021	1.52642	1.42732	40.00	0.55429	0.52083	0.63428	0.49701	0.60703	0.56602
0.90	1.54022	1.26533	1.71803	1.11356	1.48100	1.38679	45.00	0.54258	0.50971	0.62153	0.48629	0.59465	0.55434
0.95	1.49636	1.23384	1.66763	1.08997	1.44014	1.35047	50.00	0.53227	0.49991	0.61027	0.47684	0.58373	0.54403
1.00	1.45822	1.20527	1.62162	1.06891	1.40331	1.31773	55.00	0.52308	0.49117	0.60021	0.46842	0.57396	0.53483
1.10	1.39013	1.15590	1.54196	1.03274	1.34023	1.26097	60.00	0.51481	0.48330	0.59112	0.46084	0.56514	0.52652
1.20	1.33045	1.11470	1.47477	1.00269	1.28823	1.21351	65.00	0.50729	0.47615	0.58284	0.45395	0.55711	0.51896
1.30	1.27914	1.08037	1.41707	0.97740	1.24473	1.17347	70.00	0.50040	0.46961	0.57524	0.44765	0.54975	0.51203
1.40	1.23699	1.05115	1.36754	0.95577	1.20777	1.13932	75.00	0.49406	0.46358	0.56824	0.44184	0.54295	0.50564
1.50	1.20017	1.02575	1.32494	0.93699	1.17595	1.10985	80.00	0.48819	0.45799	0.56173	0.43646	0.53665	0.49971
1.60	1.16742	1.00345	1.28777	0.92046	1.14836	1.08412	85.00	0.48272	0.45279	0.55567	0.43146	0.53077	0.49419
1.70	1.13841	0.98387	1.25519	0.90576	1.12425	1.06146	90.00	0.47761	0.44794	0.55000	0.42679	0.52528	0.48902
1.80	1.11251	0.96649	1.22627	0.89257	1.10298	1.04135	95.00	0.47282	0.44338	0.54467	0.42240	0.52012	0.48418
1.90	1.08948	0.95095	1.20035	0.88065	1.08404	1.02339	100.00	0.46830	0.43909	0.53965	0.41828	0.51525	0.47961
2.00	1.06881	0.93691	1.17702	0.86980	1.06705	1.00722	125.00	0.44907	0.42083	0.51818	0.40072	0.49449	0.46012
2.20	1.03293	0.91239	1.13701	0.85070	1.03778	0.97929	150.00	0.43384	0.40637	0.50111	0.38683	0.47799	0.44465
2.40	1.00238	0.89167	1.10404	0.83432	1.01338	0.95593	175.00	0.42129	0.39447	0.48700	0.37540	0.46436	0.43188
2.60	0.97669	0.87387	1.07625	0.82005	0.99268	0.93599	200.00	0.41065	0.38439	0.47502	0.36573	0.45281	0.42106
2.80	0.95470	0.85833	1.05239	0.80740	0.97484	0.91878							
3.00	0.93548	0.84460	1.03169	0.79607	0.95919	0.90368							
3.20	0.91836	0.83234	1.01351	0.78584	0.94529	0.89028							
3.40	0.90305	0.82128	0.99739	0.77650	0.93288	0.87827							
3.60	0.88934	0.81123	0.98297	0.76792	0.92165	0.86742							
3.80	0.87695	0.80200	0.97001	0.76000	0.91141	0.85752							
4.00	0.86559	0.79350	0.95823	0.75264	0.90204	0.84845							
4.50	0.84111	0.77480	0.93294	0.73624	0.88160	0.82865							
5.00	0.82089	0.75893	0.91208	0.72211	0.86437	0.81197							
5.50	0.80372	0.74516	0.89444	0.70971	0.84951	0.79761							
6.00	0.78882	0.73301	0.87921	0.69867	0.83647	0.78501							
6.50	0.77570	0.72216	0.86581	0.68872	0.82485	0.77380							
7.00	0.76399	0.71236	0.85388	0.67967	0.81437	0.76369							
7.50	0.75345	0.70343	0.84314	0.67138	0.80483	0.75450							
8.00	0.74390	0.69523	0.83338	0.66374	0.79608	0.74608							
8.50	0.73515	0.68765	0.82444	0.65665	0.78799	0.73831							
9.00	0.72708	0.68061	0.81619	0.65003	0.78048	0.73109							
9.50	0.71962	0.67404	0.80854	0.64384	0.77346	0.72435							
10.00	0.71266	0.66788	0.80140	0.63803	0.76688	0.71804							
11.00	0.70007	0.65661	0.78842	0.62735	0.75483	0.70650							
12.00	0.68888	0.64651	0.77686	0.61776	0.74402	0.69615							
13.00	0.67882	0.63737	0.76644	0.60905	0.73421	0.68677							
14.00	0.66970	0.62903	0.75697	0.60108	0.72524	0.67821							

Collision integrals for the (9, 6, 8) potential function for $\gamma = 5$.

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	4.07944	3.63473	4.16273	3.32654	3.83000	3.83478	15.00	0.66484	0.62508	0.75141	0.59760	0.72036	0.67382
0.15	3.56072	3.15138	3.66219	2.85664	3.37548	3.32023	16.00	0.65720	0.61802	0.74344	0.59083	0.71276	0.66657
0.20	3.21123	2.80881	3.34732	2.50727	3.08497	2.95940	17.00	0.65012	0.61146	0.73604	0.58454	0.70568	0.65982
0.25	2.94113	2.53656	3.11540	2.22864	2.85467	2.68185	18.00	0.64353	0.60533	0.72913	0.57865	0.69906	0.65351
0.30	2.71922	2.31224	2.92267	2.00525	2.65256	2.45851	19.00	0.63737	0.59959	0.72265	0.57313	0.69284	0.64759
0.35	2.53137	2.12611	2.75340	1.82921	2.47391	2.27717	20.00	0.63158	0.59418	0.71656	0.56792	0.68697	0.64201
0.40	2.37011	1.97006	2.60090	1.68740	2.31769	2.12374	22.00	0.62098	0.58424	0.70535	0.55836	0.67617	0.63174
0.45	2.23073	1.84231	2.46623	1.57394	2.17207	1.99575	24.00	0.61146	0.57529	0.69526	0.54973	0.66642	0.62247
0.50	2.10949	1.73206	2.34092	1.48133	2.04920	1.88527	26.00	0.60283	0.56715	0.68607	0.54189	0.65753	0.61404
0.55	2.00379	1.64107	2.23285	1.40625	1.94238	1.79152	28.00	0.59495	0.55970	0.67765	0.53471	0.64937	0.60630
0.60	1.90978	1.56005	2.12948	1.34215	1.84670	1.70839	30.00	0.58769	0.55284	0.66988	0.52809	0.64184	0.59916
0.65	1.82968	1.49216	2.03971	1.28813	1.76422	1.63552	32.00	0.58098	0.54648	0.66267	0.52195	0.63485	0.59254
0.70	1.75499	1.43492	1.96156	1.24266	1.69186	1.57224	34.00	0.57473	0.54056	0.65594	0.51624	0.62832	0.58636
0.75	1.68996	1.38426	1.88828	1.20378	1.62767	1.51669	36.00	0.56890	0.53502	0.64965	0.51090	0.62221	0.58058
0.80	1.63291	1.33854	1.82119	1.16963	1.57081	1.46687	38.00	0.56343	0.52982	0.64373	0.50588	0.61647	0.57515
0.85	1.58025	1.29820	1.76150	1.13978	1.52074	1.42244	40.00	0.55828	0.52493	0.63815	0.50116	0.61105	0.57003
0.90	1.53095	1.26269	1.70786	1.11338	1.47607	1.38252	45.00	0.54660	0.51382	0.62547	0.49045	0.59873	0.55839
0.95	1.48845	1.23158	1.65869	1.09000	1.43600	1.34674	50.00	0.53632	0.50404	0.61426	0.48102	0.58784	0.54811
1.00	1.45020	1.20367	1.61372	1.06912	1.39976	1.31450	55.00	0.52715	0.49532	0.60424	0.47261	0.57811	0.53893
1.10	1.38495	1.15474	1.53498	1.03333	1.33744	1.25865	60.00	0.51890	0.48746	0.59519	0.46503	0.56932	0.53065
1.20	1.32621	1.11428	1.46935	1.00359	1.28610	1.21188	65.00	0.51139	0.48032	0.58695	0.45814	0.56132	0.52311
1.30	1.27581	1.08028	1.41290	0.97851	1.24316	1.17234	70.00	0.50452	0.47378	0.57938	0.45184	0.55397	0.51619
1.40	1.23378	1.05136	1.36400	0.95704	1.20665	1.13857	75.00	0.49819	0.46776	0.57240	0.44603	0.54720	0.50981
1.50	1.19796	1.02632	1.32198	0.93842	1.17520	1.10945	80.00	0.49233	0.46217	0.56592	0.44066	0.54091	0.50390
1.60	1.16564	1.00426	1.28531	0.92204	1.14789	1.08403	85.00	0.48687	0.45698	0.55987	0.43565	0.53505	0.49838
1.70	1.13727	0.98482	1.25314	0.90746	1.12401	1.06162	90.00	0.48176	0.45212	0.55422	0.43098	0.52957	0.49323
1.80	1.11167	0.96759	1.22462	0.89438	1.10294	1.04172	95.00	0.47697	0.44757	0.54890	0.42659	0.52442	0.48839
1.90	1.08887	0.95218	1.19913	0.88256	1.08419	1.02394	100.00	0.47247	0.44328	0.54389	0.42246	0.51956	0.48382
2.00	1.06840	0.93827	1.17611	0.87180	1.06738	1.00794	125.00	0.45325	0.42501	0.52248	0.40488	0.49883	0.46435
2.20	1.03307	0.91400	1.13650	0.85285	1.03838	0.98027	150.00	0.43801	0.41053	0.50543	0.39097	0.48234	0.44888
2.40	1.00299	0.89346	1.10384	0.83660	1.01421	0.95713	175.00	0.42545	0.39861	0.49134	0.37952	0.46873	0.43611
2.60	0.97751	0.87582	1.07637	0.82245	0.99369	0.93738	200.00	0.41481	0.38852	0.47937	0.36983	0.45717	0.42529
2.80	0.95565	0.86040	1.05278	0.80989	0.97600	0.92032							
3.00	0.93669	0.84679	1.03229	0.79865	0.96051	0.90535							
3.20	0.91980	0.83462	1.01429	0.78849	0.94675	0.89207							
3.40	0.90464	0.82365	0.99834	0.77923	0.93443	0.88017							
3.60	0.89103	0.81367	0.98405	0.77071	0.92332	0.86940							
3.80	0.87875	0.80453	0.97120	0.76285	0.91317	0.85960							
4.00	0.86755	0.79609	0.95954	0.75554	0.90388	0.85060							
4.50	0.84327	0.77754	0.93448	0.73926	0.88362	0.83096							
5.00	0.82319	0.76178	0.91382	0.72524	0.86654	0.81442							
5.50	0.80618	0.74811	0.89633	0.71292	0.85182	0.80018							
6.00	0.79141	0.73605	0.88124	0.70195	0.83889	0.78768							
6.50	0.77840	0.72527	0.86797	0.69206	0.82737	0.77655							
7.00	0.76678	0.71554	0.85614	0.68307	0.81698	0.76653							
7.50	0.75632	0.70667	0.84549	0.67484	0.80752	0.75741							
8.00	0.74683	0.69852	0.83582	0.66724	0.79884	0.74905							
8.50	0.73815	0.69099	0.82695	0.66018	0.79082	0.74133							
9.00	0.73014	0.68400	0.81878	0.65361	0.78337	0.73417							
9.50	0.72272	0.67746	0.81119	0.64745	0.77641	0.72748							
10.00	0.71582	0.67134	0.80411	0.64167	0.76988	0.72121							
11.00	0.70331	0.66014	0.79124	0.63105	0.75793	0.70975							
12.00	0.69219	0.65010	0.77977	0.62150	0.74720	0.69947							
13.00	0.68220	0.64101	0.76944	0.61283	0.73746	0.69016							
14.00	0.67313	0.63271	0.76004	0.60490	0.72856	0.68165							

Collision integrals for the (10, 6, 8) potential function for $\gamma = 0$.

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	4.42600	3.90496	4.46866	3.54884	4.09031	4.11293	15.00	0.66230	0.62261	0.74844	0.59527	0.71733	0.67122
0.15	3.82221	3.34377	3.89908	3.00436	3.57589	3.51593	16.00	0.65467	0.61559	0.74046	0.58856	0.70973	0.66399
0.20	3.41573	2.95085	3.54398	2.60586	3.24563	3.10342	17.00	0.64761	0.60907	0.73305	0.58232	0.70266	0.65726
0.25	3.10609	2.64167	3.27982	2.29632	2.98521	2.79326	18.00	0.64105	0.60298	0.72613	0.57648	0.69605	0.65098
0.30	2.85207	2.39121	3.06110	2.05313	2.75694	2.54657	19.00	0.63490	0.59727	0.71965	0.57101	0.68984	0.64508
0.35	2.64000	2.18646	2.86999	1.86190	2.55467	2.34575	20.00	0.62914	0.59191	0.71356	0.56585	0.68399	0.63953
0.40	2.46029	2.01874	2.70099	1.71171	2.37945	2.18027	22.00	0.61860	0.58205	0.70237	0.55638	0.67323	0.62931
0.45	2.30645	1.87671	2.54676	1.59078	2.22368	2.04038	24.00	0.60913	0.57317	0.69229	0.54785	0.66352	0.62010
0.50	2.17353	1.76212	2.41320	1.49548	2.09269	1.92328	26.00	0.60056	0.56512	0.68313	0.54010	0.65467	0.61173
0.55	2.05694	1.66232	2.28969	1.41571	1.97556	1.82185	28.00	0.59273	0.55774	0.67473	0.53301	0.64656	0.60405
0.60	1.95882	1.57887	2.18086	1.34930	1.87512	1.73353	30.00	0.58553	0.55095	0.66699	0.52647	0.63907	0.59696
0.65	1.86795	1.50953	2.08713	1.29445	1.78821	1.65736	32.00	0.57887	0.54466	0.65981	0.52041	0.63213	0.59040
0.70	1.79100	1.44851	1.99960	1.24787	1.71150	1.59120	34.00	0.57268	0.53880	0.65312	0.51478	0.62565	0.58428
0.75	1.72191	1.39455	1.92101	1.20751	1.64432	1.53255	36.00	0.56690	0.53333	0.64686	0.50951	0.61959	0.57855
0.80	1.65890	1.34678	1.85061	1.17263	1.58552	1.48052	38.00	0.56148	0.52820	0.64098	0.50457	0.61389	0.57317
0.85	1.60205	1.30596	1.78813	1.14207	1.53335	1.43411	40.00	0.55638	0.52337	0.63544	0.49991	0.60852	0.56810
0.90	1.55248	1.27003	1.73089	1.11531	1.48686	1.39279	45.00	0.54482	0.51241	0.62285	0.48936	0.59631	0.55658
0.95	1.50908	1.23770	1.67893	1.09155	1.44514	1.35585	50.00	0.53466	0.50277	0.61173	0.48008	0.58554	0.54643
1.00	1.47023	1.20836	1.63181	1.07030	1.40776	1.32254	55.00	0.52561	0.49418	0.60180	0.47180	0.57591	0.53737
1.10	1.39780	1.15823	1.55030	1.03377	1.34377	1.26469	60.00	0.51746	0.48644	0.59284	0.46436	0.56723	0.52919
1.20	1.33594	1.11689	1.48144	1.00360	1.29112	1.21657	65.00	0.51006	0.47941	0.58468	0.45759	0.55932	0.52175
1.30	1.28553	1.08226	1.42247	0.97816	1.24702	1.17599	70.00	0.50328	0.47298	0.57719	0.45140	0.55207	0.51493
1.40	1.24259	1.05265	1.37228	0.95645	1.20960	1.14145	75.00	0.49704	0.46705	0.57029	0.44570	0.54538	0.50864
1.50	1.20436	1.02690	1.32893	0.93757	1.17748	1.11167	80.00	0.49126	0.46157	0.56388	0.44042	0.53918	0.50281
1.60	1.17119	1.00458	1.29131	0.92096	1.14966	1.08565	85.00	0.48589	0.45646	0.55792	0.43551	0.53340	0.49738
1.70	1.14156	0.98484	1.25813	0.90620	1.12534	1.06277	90.00	0.48086	0.45169	0.55233	0.43093	0.52800	0.49231
1.80	1.11556	0.96742	1.22876	0.89299	1.10390	1.04250	95.00	0.47615	0.44722	0.54709	0.42663	0.52293	0.48754
1.90	1.09227	0.95178	1.20245	0.88104	1.08482	1.02440	100.00	0.47172	0.44301	0.54215	0.42258	0.51815	0.48306
2.00	1.07135	0.93762	1.17887	0.87015	1.06769	1.00809	125.00	0.45283	0.42509	0.52104	0.40536	0.49774	0.46391
2.20	1.03463	0.91295	1.13852	0.85102	1.03824	0.98001	150.00	0.43787	0.41090	0.50426	0.39174	0.48154	0.44872
2.40	1.00405	0.89219	1.10524	0.83462	1.01370	0.95651	175.00	0.42555	0.39923	0.49040	0.38054	0.46818	0.43620
2.60	0.97813	0.87431	1.07715	0.82034	0.99292	0.93648	200.00	0.41512	0.38935	0.47864	0.37107	0.45684	0.42558
2.80	0.95602	0.85873	1.05311	0.80769	0.97495	0.91919							
3.00	0.93651	0.84498	1.03226	0.79637	0.95924	0.90405							
3.20	0.91920	0.83271	1.01395	0.78614	0.94530	0.89060							
3.40	0.90387	0.82164	0.99773	0.77681	0.93284	0.87856							
3.60	0.89013	0.81157	0.98324	0.76825	0.92158	0.86768							
3.80	0.87762	0.80235	0.97020	0.76035	0.91133	0.85778							
4.00	0.86619	0.79385	0.95838	0.75300	0.90194	0.84869							
4.50	0.84166	0.77517	0.93299	0.73666	0.88145	0.82888							
5.00	0.82143	0.75932	0.91207	0.72260	0.86421	0.81221							
5.50	0.80422	0.74559	0.89438	0.71025	0.84936	0.79787							
6.00	0.78930	0.73348	0.87911	0.69927	0.83633	0.78529							
6.50	0.77617	0.72268	0.86570	0.68938	0.82472	0.77410							
7.00	0.76446	0.71292	0.85377	0.68040	0.81426	0.76403							
7.50	0.75396	0.70404	0.84303	0.67217	0.80474	0.75487							
8.00	0.74443	0.69588	0.83328	0.66458	0.79601	0.74649							
8.50	0.73570	0.68835	0.82435	0.65754	0.78795	0.73875							
9.00	0.72767	0.68136	0.81611	0.65099	0.78047	0.73156							
9.50	0.72023	0.67483	0.80847	0.64485	0.77348	0.72486							
10.00	0.71331	0.66872	0.80135	0.63909	0.76693	0.71859							
11.00	0.70077	0.65754	0.78841	0.62852	0.75494	0.70712							
12.00	0.68965	0.64753	0.77690	0.61902	0.74418	0.69684							
13.00	0.67965	0.63847	0.76652	0.61040	0.73444	0.68753							
14.00	0.67059	0.63021	0.75709	0.60253	0.72553	0.67904							

Collision integrals for the (10, 6, 8) potential function for $\gamma = 1$.

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	4.19852	3.72147	4.26959	3.39296	3.91428	3.92209	15.00	0.67007	0.63092	0.75538	0.60390	0.72480	0.67900
0.15	3.64362	3.20637	3.73580	2.89519	3.43340	3.37521	16.00	0.66255	0.62398	0.74753	0.59726	0.71733	0.67187
0.20	3.27245	2.84628	3.40414	2.53042	3.12736	2.99682	17.00	0.65558	0.61753	0.74025	0.59108	0.71037	0.66524
0.25	2.98807	2.56238	3.15985	2.24298	2.88631	2.70872	18.00	0.64910	0.61151	0.73345	0.58530	0.70386	0.65904
0.30	2.75494	2.32966	2.95687	2.01445	2.67566	2.47847	19.00	0.64303	0.60587	0.72708	0.57987	0.69775	0.65322
0.35	2.55957	2.13948	2.78188	1.83414	2.48947	2.29085	20.00	0.63734	0.60055	0.72108	0.57477	0.69199	0.64773
0.40	2.39265	1.98007	2.62340	1.69143	2.33104	2.13492	22.00	0.62692	0.59079	0.71007	0.56538	0.68138	0.63765
0.45	2.24817	1.84863	2.48337	1.57674	2.18080	2.00424	24.00	0.61756	0.58200	0.70014	0.55692	0.67181	0.62855
0.50	2.12474	1.73824	2.35589	1.48382	2.05651	1.89225	26.00	0.60908	0.57402	0.69112	0.54922	0.66308	0.62027
0.55	2.01684	1.64520	2.24408	1.40802	1.94697	1.79680	28.00	0.60133	0.56671	0.68285	0.54218	0.65508	0.61268
0.60	1.92086	1.56365	2.13863	1.34391	1.85066	1.71279	30.00	0.59421	0.55997	0.67522	0.53568	0.64769	0.60567
0.65	1.83842	1.49548	2.04832	1.28967	1.76725	1.63905	32.00	0.58761	0.55373	0.66814	0.52967	0.64082	0.59917
0.70	1.76203	1.43803	1.96820	1.24435	1.69405	1.57546	34.00	0.58148	0.54792	0.66154	0.52406	0.63443	0.59311
0.75	1.69739	1.38638	1.89303	1.20536	1.62934	1.51932	36.00	0.57575	0.54248	0.65536	0.51882	0.62843	0.58744
0.80	1.63903	1.34085	1.82591	1.17120	1.57225	1.46912	38.00	0.57038	0.53739	0.64955	0.51391	0.62280	0.58211
0.85	1.58468	1.30010	1.76548	1.14139	1.52197	1.42443	40.00	0.56532	0.53258	0.64408	0.50927	0.61749	0.57709
0.90	1.53576	1.26482	1.71113	1.11508	1.47714	1.38440	45.00	0.55386	0.52169	0.63163	0.49877	0.60541	0.56567
0.95	1.49279	1.23374	1.66142	1.09178	1.43683	1.34853	50.00	0.54377	0.51210	0.62065	0.48952	0.59474	0.55560
1.00	1.45504	1.20562	1.61603	1.07098	1.40047	1.31621	55.00	0.53478	0.50355	0.61082	0.48127	0.58520	0.54660
1.10	1.38833	1.15677	1.53716	1.03529	1.33816	1.26020	60.00	0.52668	0.49584	0.60195	0.47384	0.57659	0.53847
1.20	1.32937	1.11621	1.47098	1.00564	1.28680	1.21335	65.00	0.51932	0.48884	0.59387	0.46709	0.56875	0.53108
1.30	1.27854	1.08230	1.41407	0.98069	1.24386	1.17383	70.00	0.51258	0.48243	0.58645	0.46091	0.56155	0.52430
1.40	1.23681	1.05346	1.36513	0.95935	1.20738	1.14011	75.00	0.50637	0.47652	0.57961	0.45522	0.55491	0.51805
1.50	1.20062	1.02843	1.32306	0.94083	1.17597	1.11103	80.00	0.50062	0.47104	0.57326	0.44994	0.54876	0.51225
1.60	1.16813	1.00641	1.28634	0.92453	1.14873	1.08565	85.00	0.49526	0.46595	0.56734	0.44503	0.54302	0.50685
1.70	1.13966	0.98712	1.25420	0.91004	1.12492	1.06329	90.00	0.49026	0.46119	0.56179	0.44045	0.53764	0.50179
1.80	1.11409	0.96994	1.22563	0.89705	1.10393	1.04345	95.00	0.48556	0.45672	0.55659	0.43615	0.53260	0.49705
1.90	1.09133	0.95462	1.20007	0.88531	1.08525	1.02573	100.00	0.48114	0.45251	0.55168	0.43210	0.52785	0.49258
2.00	1.07090	0.94078	1.17705	0.87462	1.06849	1.00979	125.00	0.46229	0.43459	0.53070	0.41485	0.50754	0.47349
2.20	1.03555	0.91662	1.13755	0.85582	1.03962	0.98225	150.00	0.44734	0.42039	0.51401	0.40120	0.49139	0.45832
2.40	1.00539	0.89620	1.10500	0.83971	1.01557	0.95923	175.00	0.43502	0.40869	0.50020	0.38995	0.47805	0.44581
2.60	0.98006	0.87868	1.07760	0.82568	0.99517	0.93959	200.00	0.42458	0.39879	0.48848	0.38043	0.46673	0.43519
2.80	0.95836	0.86337	1.05407	0.81324	0.97759	0.92264							
3.00	0.93943	0.84986	1.03366	0.80211	0.96219	0.90777							
3.20	0.92257	0.83780	1.01574	0.79205	0.94851	0.89459							
3.40	0.90748	0.82692	0.99986	0.78288	0.93629	0.88278							
3.60	0.89397	0.81703	0.98565	0.77446	0.92526	0.87210							
3.80	0.88177	0.80797	0.97288	0.76669	0.91520	0.86238							
4.00	0.87060	0.79962	0.96130	0.75947	0.90599	0.85347							
4.50	0.84649	0.78125	0.93641	0.74339	0.88591	0.83401							
5.00	0.82660	0.76567	0.91590	0.72954	0.86900	0.81765							
5.50	0.80972	0.75216	0.89856	0.71739	0.85443	0.80356							
6.00	0.79508	0.74024	0.88361	0.70657	0.84165	0.79121							
6.50	0.78219	0.72960	0.87046	0.69683	0.83027	0.78022							
7.00	0.77069	0.72000	0.85875	0.68797	0.82001	0.77032							
7.50	0.76035	0.71125	0.84822	0.67986	0.81067	0.76132							
8.00	0.75097	0.70322	0.83865	0.67237	0.80210	0.75307							
8.50	0.74239	0.69580	0.82990	0.66543	0.79419	0.74547							
9.00	0.73448	0.68890	0.82182	0.65896	0.78684	0.73840							
9.50	0.72715	0.68247	0.81432	0.65291	0.77998	0.73181							
10.00	0.72034	0.67644	0.80733	0.64721	0.77355	0.72564							
11.00	0.70799	0.66541	0.79463	0.63677	0.76177	0.71435							
12.00	0.69703	0.65553	0.78333	0.62739	0.75121	0.70423							
13.00	0.68718	0.64659	0.77314	0.61887	0.74163	0.69507							
14.00	0.67824	0.63842	0.76387	0.61108	0.73287	0.68670							

Collision integrals for the (10, 6, 8) potential function for $\gamma = 2$.

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.97989	3.54269	4.07300	3.24303	3.74718	3.74213
0.15	3.47274	3.07348	3.58020	2.79121	3.30080	3.24387
0.20	3.13250	2.74655	3.27362	2.45634	3.01440	2.89450
0.25	2.87597	2.48589	3.04638	2.19237	2.79382	2.62962
0.30	2.66139	2.27169	2.86005	1.97918	2.60049	2.41568
0.35	2.48155	2.09391	2.69762	1.81018	2.42991	2.24150
0.40	2.32725	1.94476	2.55173	1.67372	2.27593	2.09489
0.45	2.19363	1.82138	2.42161	1.56379	2.14178	1.97049
0.50	2.07758	1.71450	2.30188	1.47308	2.02150	1.86329
0.55	1.97558	1.62671	2.19718	1.40000	1.91957	1.77230
0.60	1.88598	1.54986	2.10081	1.33813	1.82751	1.69262
0.65	1.80820	1.48361	2.01292	1.28550	1.74730	1.62225
0.70	1.73717	1.42674	1.93636	1.24084	1.67744	1.56041
0.75	1.67297	1.37831	1.86722	1.20286	1.61533	1.50652
0.80	1.61780	1.33426	1.80241	1.16972	1.56014	1.45847
0.85	1.56779	1.29536	1.74462	1.14048	1.51124	1.41524
0.90	1.52097	1.26015	1.69212	1.11471	1.46785	1.37650
0.95	1.47862	1.22954	1.64478	1.09180	1.42893	1.34160
1.00	1.44092	1.20235	1.60122	1.07136	1.39375	1.31018
1.10	1.37762	1.15494	1.52468	1.03635	1.33291	1.25581
1.20	1.32180	1.11542	1.46079	1.00729	1.28281	1.21027
1.30	1.27286	1.08213	1.40619	0.98272	1.24083	1.17167
1.40	1.23115	1.05383	1.35862	0.96171	1.20518	1.13870
1.50	1.19613	1.02939	1.31746	0.94349	1.17451	1.11024
1.60	1.16514	1.00792	1.28175	0.92747	1.14781	1.08543
1.70	1.13727	0.98887	1.25031	0.91322	1.12443	1.06355
1.80	1.11254	0.97204	1.22256	0.90043	1.10381	1.04412
1.90	1.09024	0.95690	1.19768	0.88888	1.08548	1.02674
2.00	1.07024	0.94331	1.17528	0.87836	1.06905	1.01110
2.20	1.03570	0.91962	1.13657	0.85984	1.04072	0.98406
2.40	1.00660	0.89955	1.10461	0.84397	1.01710	0.96145
2.60	0.98155	0.88230	1.07777	0.83016	0.99700	0.94217
2.80	0.96016	0.86725	1.05477	0.81791	0.97974	0.92550
3.00	0.94164	0.85394	1.03475	0.80694	0.96463	0.91088
3.20	0.92522	0.84206	1.01717	0.79703	0.95122	0.89792
3.40	0.91046	0.83135	1.00159	0.78800	0.93919	0.88631
3.60	0.89715	0.82161	0.98766	0.77970	0.92834	0.87581
3.80	0.88514	0.81269	0.97508	0.77203	0.91847	0.86624
4.00	0.87422	0.80447	0.96371	0.76491	0.90940	0.85748
4.50	0.85051	0.78637	0.93926	0.74906	0.88966	0.83834
5.00	0.83091	0.77101	0.91914	0.73539	0.87305	0.82223
5.50	0.81432	0.75769	0.90208	0.72340	0.85872	0.80836
6.00	0.79992	0.74594	0.88738	0.71272	0.84616	0.79620
6.50	0.78724	0.73544	0.87448	0.70310	0.83496	0.78537
7.00	0.77592	0.72596	0.86297	0.69435	0.82487	0.77562
7.50	0.76572	0.71733	0.85261	0.68633	0.81569	0.76676
8.00	0.75647	0.70939	0.84320	0.67894	0.80726	0.75863
8.50	0.74801	0.70206	0.83458	0.67207	0.79947	0.75113
9.00	0.74022	0.69525	0.82664	0.66567	0.79224	0.74417
9.50	0.73298	0.68890	0.81927	0.65968	0.78549	0.73767
10.00	0.72626	0.68294	0.81239	0.65405	0.77915	0.73158
11.00	0.71406	0.67203	0.79989	0.64372	0.76756	0.72044
12.00	0.70324	0.66226	0.78876	0.63442	0.75715	0.71046
13.00	0.69352	0.65341	0.77874	0.62598	0.74770	0.70141
14.00	0.68469	0.64533	0.76961	0.61826	0.73907	0.69315
15.00	0.67661	0.63790	0.76124	0.61115	0.73111	0.68554
16.00	0.66917	0.63103	0.75351	0.60456	0.72374	0.67849
17.00	0.66228	0.62464	0.74633	0.59842	0.71688	0.67194
18.00	0.65587	0.61867	0.73962	0.59269	0.71045	0.66581
19.00	0.64986	0.61308	0.73334	0.58730	0.70442	0.66005
20.00	0.64423	0.60781	0.72743	0.58223	0.69873	0.65463
22.00	0.63391	0.59812	0.71656	0.57291	0.68825	0.64465
24.00	0.62464	0.58940	0.70676	0.56450	0.67878	0.63564
26.00	0.61623	0.58147	0.69785	0.55685	0.67016	0.62744
28.00	0.60855	0.57421	0.68968	0.54984	0.66224	0.61991
30.00	0.60148	0.56752	0.68214	0.54338	0.65493	0.61297
32.00	0.59494	0.56131	0.67514	0.53739	0.64813	0.60652
34.00	0.58885	0.55553	0.66861	0.53181	0.64180	0.60051
36.00	0.58316	0.55013	0.66250	0.52659	0.63586	0.59488
38.00	0.57783	0.54506	0.65675	0.52169	0.63028	0.58959
40.00	0.57280	0.54028	0.65134	0.51708	0.62501	0.58461
45.00	0.56141	0.52944	0.63901	0.50661	0.61303	0.57327
50.00	0.55138	0.51988	0.62813	0.49738	0.60245	0.56326
55.00	0.54244	0.51136	0.61839	0.48915	0.59298	0.55431
60.00	0.53437	0.50367	0.60959	0.48173	0.58443	0.54623
65.00	0.52704	0.49668	0.60157	0.47498	0.57663	0.53887
70.00	0.52033	0.49028	0.59420	0.46881	0.56948	0.53212
75.00	0.51414	0.48438	0.58741	0.46311	0.56288	0.52589
80.00	0.50840	0.47892	0.58110	0.45784	0.55675	0.52011
85.00	0.50306	0.47383	0.57521	0.45293	0.55104	0.51473
90.00	0.49807	0.46907	0.56970	0.44834	0.54569	0.50969
95.00	0.49338	0.46460	0.56453	0.44403	0.54067	0.50495
100.00	0.48897	0.46040	0.55964	0.43998	0.53593	0.50049
125.00	0.47014	0.44246	0.53876	0.42270	0.51568	0.48144
150.00	0.45520	0.42824	0.52212	0.40900	0.49957	0.46628
175.00	0.44287	0.41651	0.50835	0.39772	0.48624	0.45376
200.00	0.43242	0.40657	0.49664	0.38815	0.47493	0.44313

Collision integrals for the (10, 6, 8) potential function for $\gamma = 3$.

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.75945	3.36838	3.88094	3.09970	3.58237	3.56948	15.00	0.68225	0.64392	0.76631	0.61739	0.73657	0.69118
0.15	3.30502	2.94799	3.43249	2.68950	3.17082	3.11456	16.00	0.67488	0.63711	0.75867	0.61084	0.72929	0.68421
0.20	2.99914	2.64875	3.14564	2.39012	2.91260	2.80121	17.00	0.66806	0.63077	0.75158	0.60475	0.72250	0.67771
0.25	2.76665	2.41436	2.94051	2.14310	2.70547	2.55292	18.00	0.66170	0.62484	0.74496	0.59905	0.71615	0.67164
0.30	2.57094	2.21708	2.76906	1.94756	2.53164	2.35792	19.00	0.65575	0.61928	0.73876	0.59370	0.71018	0.66594
0.35	2.40758	2.05377	2.62184	1.78911	2.37444	2.19628	20.00	0.65017	0.61405	0.73291	0.58866	0.70455	0.66057
0.40	2.26561	1.91300	2.48592	1.65718	2.23026	2.05592	22.00	0.63993	0.60443	0.72217	0.57938	0.69418	0.65068
0.45	2.14176	1.79651	2.36564	1.55040	2.10334	1.93735	24.00	0.63073	0.59577	0.71248	0.57101	0.68481	0.64174
0.50	2.03157	1.69288	2.25209	1.46492	1.99142	1.83770	26.00	0.62239	0.58788	0.70366	0.56340	0.67626	0.63361
0.55	1.93765	1.61236	2.15619	1.39178	1.89224	1.74870	28.00	0.61476	0.58066	0.69558	0.55642	0.66842	0.62614
0.60	1.85414	1.53554	2.06343	1.33241	1.80602	1.67299	30.00	0.60774	0.57400	0.68811	0.54999	0.66117	0.61925
0.65	1.77754	1.47238	1.98085	1.28206	1.72944	1.60687	32.00	0.60124	0.56783	0.68118	0.54402	0.65443	0.61285
0.70	1.71232	1.41708	1.90624	1.23771	1.66140	1.54676	34.00	0.59519	0.56208	0.67471	0.53846	0.64815	0.60688
0.75	1.65076	1.36928	1.84105	1.20035	1.60216	1.49422	36.00	0.58954	0.55670	0.66866	0.53326	0.64226	0.60128
0.80	1.59937	1.32755	1.78056	1.16801	1.54889	1.44802	38.00	0.58423	0.55165	0.66296	0.52837	0.63672	0.59603
0.85	1.54999	1.29026	1.72501	1.13945	1.50133	1.40649	40.00	0.57924	0.54689	0.65759	0.52377	0.63149	0.59107
0.90	1.50569	1.25680	1.67522	1.11437	1.45929	1.36920	45.00	0.56790	0.53608	0.64537	0.51332	0.61959	0.57979
0.95	1.46547	1.22581	1.62875	1.09175	1.42138	1.33518	50.00	0.55792	0.52655	0.63457	0.50411	0.60908	0.56983
1.00	1.43071	1.19907	1.58733	1.07157	1.38731	1.30450	55.00	0.54901	0.51805	0.62490	0.49589	0.59967	0.56092
1.10	1.36614	1.15303	1.51332	1.03715	1.32821	1.25154	60.00	0.54097	0.51038	0.61615	0.48848	0.59116	0.55288
1.20	1.31377	1.11473	1.45143	1.00858	1.27905	1.20727	65.00	0.53367	0.50340	0.60818	0.48173	0.58340	0.54555
1.30	1.26834	1.08179	1.39835	0.98442	1.23796	1.16959	70.00	0.52697	0.49701	0.60087	0.47556	0.57629	0.53882
1.40	1.22645	1.05403	1.35265	0.96378	1.20318	1.13737	75.00	0.52080	0.49112	0.59411	0.46986	0.56971	0.53261
1.50	1.19173	1.03005	1.31244	0.94573	1.17307	1.10940	80.00	0.51508	0.48565	0.58783	0.46459	0.56361	0.52685
1.60	1.16167	1.00900	1.27737	0.92994	1.14691	1.08507	85.00	0.50975	0.48057	0.58198	0.45967	0.55792	0.52147
1.70	1.13470	0.99033	1.24668	0.91591	1.12394	1.06365	90.00	0.50476	0.47581	0.57649	0.45508	0.55259	0.51645
1.80	1.11117	0.97377	1.21958	0.90331	1.10365	1.04460	95.00	0.50008	0.47134	0.57134	0.45077	0.54758	0.51172
1.90	1.08912	0.95900	1.19546	0.89192	1.08561	1.02753	100.00	0.49568	0.46713	0.56648	0.44671	0.54286	0.50727
2.00	1.06936	0.94541	1.17347	0.88155	1.06945	1.01216	125.00	0.47686	0.44918	0.54566	0.42939	0.52266	0.48823
2.20	1.03565	0.92212	1.13567	0.86329	1.04161	0.98557	150.00	0.46191	0.43493	0.52907	0.41565	0.50656	0.47308
2.40	1.00723	0.90239	1.10420	0.84764	1.01838	0.96334	175.00	0.44957	0.42318	0.51532	0.40433	0.49325	0.46055
2.60	0.98275	0.88539	1.07781	0.83401	0.99860	0.94435	200.00	0.43910	0.41320	0.50363	0.39472	0.48193	0.44991
2.80	0.96213	0.87056	1.05525	0.82192	0.98156	0.92796							
3.00	0.94337	0.85744	1.03563	0.81110	0.96668	0.91356							
3.20	0.92731	0.84574	1.01839	0.80132	0.95352	0.90077							
3.40	0.91291	0.83515	1.00305	0.79240	0.94170	0.88933							
3.60	0.89987	0.82554	0.98933	0.78421	0.93099	0.87899							
3.80	0.88803	0.81674	0.97699	0.77664	0.92127	0.86957							
4.00	0.87725	0.80863	0.96576	0.76960	0.91237	0.86092							
4.50	0.85394	0.79078	0.94173	0.75394	0.89290	0.84207							
5.00	0.83466	0.77561	0.92190	0.74045	0.87655	0.82617							
5.50	0.81824	0.76245	0.90513	0.72859	0.86244	0.81250							
6.00	0.80407	0.75085	0.89063	0.71803	0.85005	0.80051							
6.50	0.79157	0.74048	0.87793	0.70851	0.83902	0.78982							
7.00	0.78042	0.73111	0.86662	0.69986	0.82908	0.78020							
7.50	0.77036	0.72257	0.85641	0.69192	0.82003	0.77145							
8.00	0.76122	0.71472	0.84713	0.68460	0.81172	0.76343							
8.50	0.75285	0.70747	0.83864	0.67780	0.80404	0.75602							
9.00	0.74515	0.70073	0.83081	0.67146	0.79691	0.74915							
9.50	0.73801	0.69444	0.82354	0.66553	0.79025	0.74273							
10.00	0.73136	0.68854	0.81677	0.65995	0.78400	0.73671							
11.00	0.71932	0.67775	0.80444	0.64970	0.77256	0.72570							
12.00	0.70860	0.66806	0.79347	0.64048	0.76228	0.71583							
13.00	0.69898	0.65930	0.78357	0.63211	0.75296	0.70688							
14.00	0.69024	0.65129	0.77457	0.62445	0.74443	0.69871							

Collision integrals for the (10, 6, 8) potential function for $\gamma = 4$.

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.54222	3.20008	3.69281	2.95939	3.42184	3.39829	15.00	0.68721	0.64922	0.77080	0.62287	0.74139	0.69615
0.15	3.14442	2.82127	3.28393	2.59179	3.04708	2.99073	16.00	0.67991	0.64245	0.76325	0.61636	0.73418	0.68924
0.20	2.86697	2.55453	3.02353	2.31815	2.80655	2.70359	17.00	0.67314	0.63615	0.75623	0.61030	0.72745	0.68280
0.25	2.65741	2.33966	2.83283	2.09520	2.62115	2.47970	18.00	0.66683	0.63026	0.74968	0.60463	0.72116	0.67678
0.30	2.48265	2.15972	2.67703	1.91166	2.46013	2.29741	19.00	0.66093	0.62474	0.74354	0.59931	0.71524	0.67112
0.35	2.33238	2.00701	2.54039	1.76027	2.31378	2.14400	20.00	0.65539	0.61954	0.73775	0.59429	0.70966	0.66578
0.40	2.20212	1.87749	2.41778	1.63846	2.18392	2.01648	22.00	0.64522	0.60998	0.72711	0.58505	0.69938	0.65596
0.45	2.08793	1.76664	2.30569	1.53754	2.06508	1.90621	24.00	0.63609	0.60135	0.71751	0.57672	0.69008	0.64709
0.50	1.98739	1.67330	2.20423	1.45474	1.96101	1.81075	26.00	0.62780	0.59351	0.70877	0.56914	0.68161	0.63901
0.55	1.89835	1.59086	2.11021	1.38448	1.86619	1.72694	28.00	0.62022	0.58632	0.70075	0.56218	0.67382	0.63159
0.60	1.81955	1.52170	2.02603	1.32667	1.78506	1.65435	30.00	0.61324	0.57968	0.69335	0.55577	0.66662	0.62473
0.65	1.74983	1.46178	1.95082	1.27774	1.71193	1.59096	32.00	0.60677	0.57353	0.68647	0.54982	0.65993	0.61837
0.70	1.68560	1.40721	1.87821	1.23485	1.64646	1.53383	34.00	0.60075	0.56780	0.68005	0.54427	0.65369	0.61243
0.75	1.63054	1.36069	1.81498	1.19794	1.58918	1.48303	36.00	0.59513	0.56244	0.67404	0.53908	0.64784	0.60687
0.80	1.57884	1.32075	1.75912	1.16619	1.53818	1.43800	38.00	0.58985	0.55741	0.66839	0.53421	0.64234	0.60164
0.85	1.53159	1.28518	1.70683	1.13844	1.49231	1.39811	40.00	0.58487	0.55266	0.66306	0.52961	0.63714	0.59671
0.90	1.49084	1.25214	1.65776	1.11370	1.45117	1.36198	45.00	0.57358	0.54188	0.65092	0.51918	0.62532	0.58548
0.95	1.45342	1.22266	1.61365	1.09150	1.41424	1.32905	50.00	0.56363	0.53238	0.64019	0.50999	0.61486	0.57557
1.00	1.41808	1.19592	1.57347	1.07175	1.38118	1.29930	55.00	0.55475	0.52389	0.63058	0.50177	0.60550	0.56670
1.10	1.35581	1.15097	1.50276	1.03776	1.32374	1.24752	60.00	0.54675	0.51624	0.62189	0.49437	0.59704	0.55868
1.20	1.30552	1.11351	1.44235	1.00964	1.27567	1.20433	65.00	0.53946	0.50927	0.61396	0.48763	0.58932	0.55138
1.30	1.26203	1.08142	1.39089	0.98588	1.23536	1.16761	70.00	0.53278	0.50288	0.60669	0.48145	0.58223	0.54467
1.40	1.22217	1.05407	1.34669	0.96544	1.20111	1.13598	75.00	0.52662	0.49700	0.59996	0.47576	0.57569	0.53848
1.50	1.18751	1.03048	1.30777	0.94768	1.17168	1.10858	80.00	0.52091	0.49154	0.59372	0.47048	0.56961	0.53273
1.60	1.15795	1.00982	1.27343	0.93208	1.14603	1.08468	85.00	0.51559	0.48645	0.58789	0.46556	0.56394	0.52738
1.70	1.13225	0.99156	1.24335	0.91824	1.12347	1.06364	90.00	0.51061	0.48169	0.58243	0.46096	0.55863	0.52236
1.80	1.10894	0.97523	1.21677	0.90581	1.10349	1.04493	95.00	0.50594	0.47722	0.57730	0.45665	0.55364	0.51764
1.90	1.08757	0.96049	1.19297	0.89457	1.08571	1.02817	100.00	0.50153	0.47302	0.57246	0.45258	0.54893	0.51320
2.00	1.06864	0.94726	1.17166	0.88433	1.06977	1.01305	125.00	0.48273	0.45505	0.55171	0.43523	0.52877	0.49418
2.20	1.03536	0.92426	1.13475	0.86629	1.04235	0.98687	150.00	0.46778	0.44078	0.53516	0.42146	0.51270	0.47903
2.40	1.00754	0.90484	1.10384	0.85083	1.01947	0.96495	175.00	0.45542	0.42899	0.52143	0.41009	0.49938	0.46649
2.60	0.98382	0.88808	1.07779	0.83737	1.00006	0.94618	200.00	0.44493	0.41899	0.50975	0.40045	0.48806	0.45583
2.80	0.96300	0.87344	1.05559	0.82543	0.98318	0.93009							
3.00	0.94492	0.86050	1.03633	0.81474	0.96849	0.91589							
3.20	0.92902	0.84892	1.01937	0.80507	0.95549	0.90329							
3.40	0.91494	0.83847	1.00428	0.79626	0.94386	0.89197							
3.60	0.90218	0.82898	0.99080	0.78816	0.93333	0.88176							
3.80	0.89053	0.82029	0.97862	0.78068	0.92373	0.87248							
4.00	0.87987	0.81228	0.96757	0.77372	0.91494	0.86395							
4.50	0.85695	0.79464	0.94385	0.75823	0.89575	0.84534							
5.00	0.83785	0.77965	0.92432	0.74488	0.87961	0.82966							
5.50	0.82166	0.76664	0.90780	0.73315	0.86571	0.81615							
6.00	0.80768	0.75516	0.89351	0.72270	0.85350	0.80430							
6.50	0.79535	0.74490	0.88096	0.71328	0.84261	0.79376							
7.00	0.78434	0.73563	0.86982	0.70470	0.83280	0.78425							
7.50	0.77442	0.72717	0.85976	0.69684	0.82387	0.77560							
8.00	0.76538	0.71941	0.85061	0.68958	0.81567	0.76767							
8.50	0.75711	0.71223	0.84223	0.68285	0.80810	0.76035							
9.00	0.74948	0.70556	0.83450	0.67656	0.80105	0.75355							
9.50	0.74242	0.69932	0.82733	0.67068	0.79447	0.74720							
10.00	0.73585	0.69348	0.82064	0.66514	0.78830	0.74125							
11.00	0.72391	0.68278	0.80848	0.65497	0.77699	0.73036							
12.00	0.71331	0.67318	0.79764	0.64582	0.76683	0.72058							
13.00	0.70378	0.66448	0.78786	0.63750	0.75761	0.71172							
14.00	0.69513	0.65653	0.77896	0.62989	0.74917	0.70362							

Collision integrals for the (11, 6, 8) potential function for $\gamma = 0$.

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	4.19320	3.70877	4.26309	3.37642	3.90410	3.90679	15.00	0.67931	0.64108	0.76278	0.61473	0.73298	0.68816
0.15	3.63128	3.18997	3.72397	2.87811	3.41785	3.35786	16.00	0.67197	0.63432	0.75514	0.60826	0.72570	0.68122
0.20	3.25777	2.83034	3.38906	2.51531	3.10962	2.97953	17.00	0.66516	0.62803	0.74804	0.60223	0.71893	0.67475
0.25	2.97290	2.54775	3.14293	2.23075	2.86836	2.69283	18.00	0.65883	0.62216	0.74141	0.59660	0.71259	0.66871
0.30	2.74081	2.31740	2.94029	2.00478	2.65890	2.46466	19.00	0.65292	0.61665	0.73521	0.59131	0.70664	0.66305
0.35	2.54603	2.12837	2.76480	1.82714	2.47483	2.27901	20.00	0.64736	0.61147	0.72937	0.58634	0.70104	0.65771
0.40	2.38055	1.97108	2.60773	1.68569	2.31630	2.12438	22.00	0.63720	0.60196	0.71864	0.57719	0.69072	0.64789
0.45	2.23755	1.84143	2.46870	1.57268	2.16887	1.99466	24.00	0.62807	0.59339	0.70898	0.56894	0.68140	0.63903
0.50	2.11500	1.73244	2.34274	1.48079	2.04583	1.88430	26.00	0.61980	0.58561	0.70020	0.56145	0.67291	0.63097
0.55	2.00861	1.64058	2.23221	1.40629	1.93803	1.78978	28.00	0.61225	0.57848	0.69215	0.55458	0.66513	0.62358
0.60	1.91304	1.55977	2.12746	1.34275	1.84265	1.70695	30.00	0.60530	0.57192	0.68472	0.54825	0.65794	0.61676
0.65	1.83192	1.49238	2.03780	1.28920	1.76019	1.63412	32.00	0.59887	0.56584	0.67784	0.54238	0.65127	0.61043
0.70	1.75636	1.43589	1.95929	1.24454	1.68804	1.57100	34.00	0.59289	0.56017	0.67141	0.53692	0.64504	0.60453
0.75	1.69235	1.38492	1.88482	1.20600	1.62407	1.51573	36.00	0.58731	0.55488	0.66540	0.53182	0.63921	0.59901
0.80	1.63444	1.33971	1.81829	1.17223	1.56766	1.46621	38.00	0.58207	0.54991	0.65976	0.52702	0.63374	0.59382
0.85	1.58117	1.29950	1.75845	1.14282	1.51800	1.42204	40.00	0.57714	0.54523	0.65443	0.52251	0.62857	0.58893
0.90	1.53236	1.26477	1.70499	1.11681	1.47362	1.38241	45.00	0.56596	0.53461	0.64233	0.51226	0.61682	0.57781
0.95	1.49007	1.23405	1.65585	1.09384	1.43385	1.34692	50.00	0.55613	0.52526	0.63164	0.50324	0.60645	0.56801
1.00	1.45241	1.20628	1.61098	1.07330	1.39792	1.31504	55.00	0.54737	0.51692	0.62209	0.49520	0.59717	0.55924
1.10	1.38699	1.15795	1.53295	1.03806	1.33637	1.25978	60.00	0.53947	0.50941	0.61346	0.48795	0.58880	0.55133
1.20	1.32845	1.11793	1.46751	1.00880	1.28563	1.21347	65.00	0.53229	0.50257	0.60560	0.48136	0.58117	0.54413
1.30	1.27824	1.08452	1.41139	0.98420	1.24319	1.17447	70.00	0.52572	0.49632	0.59839	0.47533	0.57417	0.53753
1.40	1.23718	1.05602	1.36303	0.96314	1.20714	1.14113	75.00	0.51966	0.49055	0.59173	0.46977	0.56771	0.53143
1.50	1.20141	1.03132	1.32149	0.94489	1.17615	1.11243	80.00	0.51405	0.48521	0.58555	0.46462	0.56172	0.52578
1.60	1.16925	1.00960	1.28518	0.92883	1.14926	1.08742	85.00	0.50883	0.48024	0.57979	0.45982	0.55613	0.52052
1.70	1.14120	0.99059	1.25340	0.91455	1.12575	1.06533	90.00	0.50395	0.47559	0.57440	0.45534	0.55090	0.51559
1.80	1.11589	0.97363	1.22515	0.90176	1.10501	1.04574	95.00	0.49937	0.47123	0.56933	0.45114	0.54599	0.51097
1.90	1.09352	0.95853	1.19998	0.89021	1.08657	1.02829	100.00	0.49505	0.46712	0.56456	0.44718	0.54136	0.50661
2.00	1.07333	0.94488	1.17726	0.87970	1.07004	1.01258	125.00	0.47665	0.44961	0.54414	0.43032	0.52159	0.48799
2.20	1.03841	0.92108	1.13826	0.86119	1.04157	0.98540	150.00	0.46206	0.43573	0.52788	0.41696	0.50585	0.47319
2.40	1.00869	0.90097	1.10611	0.84538	1.01787	0.96269	175.00	0.45002	0.42429	0.51443	0.40595	0.49285	0.46097
2.60	0.98372	0.88374	1.07906	0.83157	0.99779	0.94338	200.00	0.43981	0.41459	0.50301	0.39662	0.48181	0.45060
2.80	0.96229	0.86867	1.05586	0.81936	0.98045	0.92670							
3.00	0.94365	0.85538	1.03575	0.80844	0.96528	0.91207							
3.20	0.92703	0.84352	1.01810	0.79858	0.95185	0.89912							
3.40	0.91216	0.83284	1.00246	0.78958	0.93983	0.88750							
3.60	0.89886	0.82313	0.98847	0.78133	0.92898	0.87701							
3.80	0.88688	0.81423	0.97588	0.77371	0.91911	0.86746							
4.00	0.87590	0.80604	0.96447	0.76664	0.91007	0.85871							
4.50	0.85216	0.78803	0.94000	0.75090	0.89036	0.83963							
5.00	0.83261	0.77275	0.91986	0.73735	0.87378	0.82359							
5.50	0.81603	0.75951	0.90283	0.72547	0.85952	0.80979							
6.00	0.80167	0.74786	0.88815	0.71490	0.84701	0.79770							
6.50	0.78902	0.73744	0.87526	0.70538	0.83587	0.78695							
7.00	0.77775	0.72805	0.86380	0.69673	0.82584	0.77727							
7.50	0.76760	0.71950	0.85348	0.68881	0.81671	0.76847							
8.00	0.75841	0.71165	0.84412	0.68151	0.80835	0.76042							
8.50	0.75002	0.70440	0.83554	0.67473	0.80062	0.75299							
9.00	0.74227	0.69766	0.82764	0.66842	0.79345	0.74609							
9.50	0.73510	0.69138	0.82032	0.66251	0.78676	0.73966							
10.00	0.72844	0.68549	0.81349	0.65696	0.78048	0.73363							
11.00	0.71636	0.67472	0.80108	0.64678	0.76900	0.72262							
12.00	0.70565	0.66508	0.79005	0.63763	0.75870	0.71275							
13.00	0.69602	0.65636	0.78011	0.62932	0.74937	0.70382							
14.00	0.68729	0.64840	0.77107	0.62173	0.74083	0.69566							

Collision integrals for the (11, 6, 8) potential function for $\gamma = 0.5$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	4.04924	3.58785	4.13171	3.27461	3.79192	3.78671	15.00	0.68411	0.64621	0.76707	0.62005	0.73759	0.69295
0.15	3.51681	3.09947	3.61889	2.80653	3.32804	3.26900	16.00	0.67683	0.63949	0.75951	0.61361	0.73039	0.68607
0.20	3.16228	2.76173	3.30032	2.46469	3.03293	2.91070	17.00	0.67008	0.63324	0.75248	0.60762	0.72369	0.67966
0.25	2.89581	2.49477	3.06520	2.19541	2.80462	2.63865	18.00	0.66380	0.62741	0.74593	0.60202	0.71741	0.67367
0.30	2.67642	2.27704	2.87342	1.98016	2.60690	2.42107	19.00	0.65793	0.62194	0.73979	0.59677	0.71152	0.66805
0.35	2.49241	2.09706	2.70706	1.81044	2.43352	2.24487	20.00	0.65242	0.61680	0.73401	0.59182	0.70597	0.66276
0.40	2.33532	1.94650	2.55820	1.67385	2.27767	2.09704	22.00	0.64233	0.60734	0.72339	0.58271	0.69574	0.65301
0.45	2.19981	1.82274	2.42634	1.56354	2.14157	1.97140	24.00	0.63326	0.59882	0.71383	0.57451	0.68651	0.64422
0.50	2.08227	1.71502	2.30419	1.47318	2.02113	1.86379	26.00	0.62505	0.59108	0.70512	0.56704	0.67809	0.63622
0.55	1.97934	1.62763	2.19948	1.40052	1.91869	1.77280	28.00	0.61754	0.58399	0.69715	0.56020	0.67037	0.62888
0.60	1.88888	1.55012	2.10108	1.33859	1.82612	1.69258	30.00	0.61064	0.57746	0.68979	0.55390	0.66324	0.62210
0.65	1.81075	1.48379	2.01283	1.28624	1.74601	1.62213	32.00	0.60425	0.57140	0.68296	0.54805	0.65661	0.61581
0.70	1.73926	1.42771	1.93664	1.24192	1.67613	1.56045	34.00	0.59830	0.56576	0.67659	0.54261	0.65044	0.60995
0.75	1.67458	1.37928	1.86680	1.20420	1.61404	1.50664	36.00	0.59275	0.56049	0.67063	0.53752	0.64465	0.60446
0.80	1.61969	1.33502	1.80157	1.17120	1.55895	1.45857	38.00	0.58753	0.55554	0.66503	0.53274	0.63921	0.59930
0.85	1.56953	1.29607	1.74363	1.14213	1.51020	1.41540	40.00	0.58263	0.55088	0.65974	0.52823	0.63408	0.59444
0.90	1.52210	1.26133	1.69143	1.11657	1.46695	1.37679	45.00	0.57151	0.54029	0.64773	0.51801	0.62240	0.58338
0.95	1.47980	1.23097	1.64397	1.09384	1.42816	1.34203	50.00	0.56172	0.53097	0.63712	0.50901	0.61209	0.57362
1.00	1.44248	1.20395	1.60043	1.07357	1.39307	1.31074	55.00	0.55298	0.52265	0.62763	0.50098	0.60287	0.56489
1.10	1.37953	1.15667	1.52399	1.03884	1.33253	1.25660	60.00	0.54512	0.51515	0.61905	0.49373	0.59453	0.55701
1.20	1.32316	1.11742	1.46028	1.01002	1.28271	1.21127	65.00	0.53796	0.50833	0.61123	0.48715	0.58694	0.54984
1.30	1.27434	1.08439	1.40576	0.98568	1.24098	1.17289	70.00	0.53141	0.50208	0.60406	0.48112	0.57997	0.54325
1.40	1.23302	1.05630	1.35832	0.96488	1.20556	1.14014	75.00	0.52537	0.49632	0.59744	0.47556	0.57354	0.53718
1.50	1.19826	1.03205	1.31742	0.94684	1.17506	1.11189	80.00	0.51977	0.49099	0.59129	0.47041	0.56757	0.53154
1.60	1.16727	1.01074	1.28188	0.93099	1.14856	1.08724	85.00	0.51456	0.48602	0.58556	0.46562	0.56200	0.52629
1.70	1.13947	0.99184	1.25058	0.91689	1.12537	1.06553	90.00	0.50968	0.48137	0.58019	0.46113	0.55679	0.52138
1.80	1.11490	0.97515	1.22295	0.90425	1.10492	1.04625	95.00	0.50511	0.47701	0.57514	0.45693	0.55190	0.51676
1.90	1.09275	0.96021	1.19825	0.89283	1.08674	1.02902	100.00	0.50080	0.47290	0.57039	0.45296	0.54728	0.51241
2.00	1.07287	0.94675	1.17597	0.88243	1.07045	1.01352	125.00	0.48242	0.45539	0.55004	0.43608	0.52755	0.49381
2.20	1.03859	0.92329	1.13753	0.86414	1.04237	0.98674	150.00	0.46782	0.44149	0.53382	0.42268	0.51184	0.47902
2.40	1.00965	0.90343	1.10582	0.84852	1.01895	0.96432	175.00	0.45578	0.43002	0.52040	0.41164	0.49885	0.46680
2.60	0.98479	0.88639	1.07921	0.83487	0.99910	0.94528	200.00	0.44556	0.42030	0.50899	0.40228	0.48781	0.45641
2.80	0.96364	0.87152	1.05638	0.82279	0.98201	0.92880							
3.00	0.94529	0.85838	1.03654	0.81199	0.96708	0.91435							
3.20	0.92901	0.84665	1.01914	0.80223	0.95382	0.90155							
3.40	0.91437	0.83609	1.00371	0.79334	0.94194	0.89009							
3.60	0.90121	0.82649	0.98992	0.78518	0.93124	0.87972							
3.80	0.88934	0.81770	0.97749	0.77764	0.92150	0.87029							
4.00	0.87855	0.80960	0.96624	0.77064	0.91256	0.86165							
4.50	0.85511	0.79179	0.94209	0.75506	0.89310	0.84280							
5.00	0.83578	0.77667	0.92222	0.74165	0.87675	0.82694							
5.50	0.81941	0.76358	0.90539	0.72989	0.86265	0.81331							
6.00	0.80522	0.75204	0.89092	0.71941	0.85030	0.80136							
6.50	0.79273	0.74173	0.87820	0.70999	0.83930	0.79072							
7.00	0.78159	0.73243	0.86687	0.70142	0.82940	0.78115							
7.50	0.77155	0.72396	0.85668	0.69356	0.82038	0.77246							
8.00	0.76246	0.71618	0.84744	0.68632	0.81212	0.76449							
8.50	0.75414	0.70900	0.83897	0.67961	0.80449	0.75714							
9.00	0.74649	0.70232	0.83117	0.67335	0.79740	0.75031							
9.50	0.73938	0.69610	0.82394	0.66749	0.79078	0.74395							
10.00	0.73278	0.69026	0.81719	0.66198	0.78458	0.73799							
11.00	0.72082	0.67959	0.80493	0.65187	0.77323	0.72708							
12.00	0.71021	0.67002	0.79402	0.64279	0.76304	0.71732							
13.00	0.70067	0.66137	0.78420	0.63454	0.75381	0.70847							
14.00	0.69202	0.65347	0.77526	0.62700	0.74537	0.70039							

Collision integrals for the (11, 6, 8) potential function for $\gamma = 1.0$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.90301	3.46966	4.00342	3.17616	3.68062	3.66912	15.00	0.68839	0.65077	0.77090	0.62479	0.74172	0.69723
0.15	3.39953	3.01313	3.51794	2.73480	3.23761	3.17882	16.00	0.68116	0.64410	0.76341	0.61838	0.73458	0.69040
0.20	3.07066	2.69292	3.21138	2.41512	2.95877	2.84216	17.00	0.67447	0.63789	0.75646	0.61243	0.72794	0.68404
0.25	2.81890	2.44304	2.98995	2.16058	2.74279	2.58460	18.00	0.66823	0.63209	0.74997	0.60685	0.72172	0.67810
0.30	2.61292	2.23712	2.80830	1.95693	2.55697	2.37980	19.00	0.66240	0.62666	0.74388	0.60162	0.71588	0.67252
0.35	2.43981	2.06597	2.65091	1.79337	2.39184	2.21105	20.00	0.65693	0.62154	0.73816	0.59669	0.71037	0.66726
0.40	2.29075	1.92334	2.51065	1.66037	2.24318	2.06776	22.00	0.64690	0.61213	0.72764	0.58763	0.70023	0.65758
0.45	2.16224	1.80327	2.38459	1.55477	2.11541	1.94851	24.00	0.63789	0.60366	0.71815	0.57946	0.69106	0.64885
0.50	2.04953	1.70010	2.26971	1.46617	1.99813	1.84446	26.00	0.62972	0.59595	0.70952	0.57202	0.68271	0.64090
0.55	1.95195	1.61441	2.16674	1.39451	1.89930	1.75558	28.00	0.62226	0.58889	0.70161	0.56520	0.67504	0.63360
0.60	1.86605	1.54091	2.07594	1.33476	1.81087	1.67890	30.00	0.61539	0.58238	0.69431	0.55892	0.66796	0.62686
0.65	1.78818	1.47513	1.98892	1.28337	1.73257	1.61072	32.00	0.60903	0.57635	0.68753	0.55309	0.66138	0.62061
0.70	1.72178	1.41999	1.91436	1.23951	1.66455	1.55031	34.00	0.60312	0.57073	0.68121	0.54766	0.65524	0.61478
0.75	1.65929	1.37300	1.84852	1.20229	1.60439	1.49761	36.00	0.59759	0.56548	0.67529	0.54258	0.64949	0.60931
0.80	1.60494	1.33073	1.78631	1.17002	1.55070	1.45110	38.00	0.59240	0.56054	0.66973	0.53781	0.64408	0.60418
0.85	1.55686	1.29232	1.72920	1.14143	1.50289	1.40910	40.00	0.58752	0.55589	0.66448	0.53332	0.63898	0.59934
0.90	1.51240	1.25832	1.67829	1.11621	1.46053	1.37133	45.00	0.57644	0.54534	0.65254	0.52312	0.62737	0.58833
0.95	1.47034	1.22810	1.63246	1.09377	1.42258	1.33729	50.00	0.56668	0.53604	0.64199	0.51413	0.61711	0.57861
1.00	1.43362	1.20145	1.59027	1.07374	1.38837	1.30653	55.00	0.55798	0.52774	0.63256	0.50610	0.60793	0.56991
1.10	1.37133	1.15548	1.51577	1.03944	1.32896	1.25347	60.00	0.55013	0.52025	0.62402	0.49886	0.59963	0.56206
1.20	1.31826	1.11677	1.45325	1.01103	1.27991	1.20908	65.00	0.54299	0.51344	0.61625	0.49228	0.59207	0.55490
1.30	1.27062	1.08418	1.40017	0.98697	1.23883	1.17135	70.00	0.53646	0.50720	0.60911	0.48625	0.58513	0.54834
1.40	1.22939	1.05646	1.35392	0.96639	1.20398	1.13910	75.00	0.53043	0.50144	0.60251	0.48069	0.57872	0.54228
1.50	1.19490	1.03255	1.31359	0.94854	1.17400	1.11125	80.00	0.52484	0.49611	0.59639	0.47554	0.57277	0.53665
1.60	1.16501	1.01162	1.27866	0.93287	1.14788	1.08699	85.00	0.51964	0.49114	0.59068	0.47074	0.56722	0.53141
1.70	1.13781	0.99300	1.24793	0.91894	1.12498	1.06562	90.00	0.51477	0.48650	0.58533	0.46626	0.56202	0.52651
1.80	1.11370	0.97644	1.22074	0.90644	1.10478	1.04662	95.00	0.51020	0.48213	0.58031	0.46205	0.55714	0.52190
1.90	1.09194	0.96167	1.19648	0.89514	1.08683	1.02962	100.00	0.50590	0.47803	0.57557	0.45808	0.55253	0.51755
2.00	1.07234	0.94835	1.17467	0.88486	1.07074	1.01432	125.00	0.48752	0.46050	0.55527	0.44117	0.53284	0.49897
2.20	1.03854	0.92521	1.13684	0.86676	1.04303	0.98788	150.00	0.47293	0.44658	0.53909	0.42774	0.51715	0.48418
2.40	1.01027	0.90560	1.10550	0.85129	1.01997	0.96570	175.00	0.46087	0.43509	0.52569	0.41667	0.50416	0.47195
2.60	0.98573	0.88874	1.07923	0.83780	1.00027	0.94695	200.00	0.45064	0.42535	0.51428	0.40728	0.49312	0.46156
2.80	0.96481	0.87404	1.05677	0.82584	0.98341	0.93065							
3.00	0.94665	0.86104	1.03721	0.81515	0.96864	0.91637							
3.20	0.93065	0.84944	1.02003	0.80548	0.95557	0.90370							
3.40	0.91628	0.83898	1.00480	0.79668	0.94383	0.89237							
3.60	0.90328	0.82948	0.99119	0.78860	0.93324	0.88214							
3.80	0.89152	0.82078	0.97892	0.78113	0.92362	0.87280							
4.00	0.88085	0.81276	0.96779	0.77420	0.91479	0.86426							
4.50	0.85773	0.79513	0.94394	0.75877	0.89555	0.84562							
5.00	0.83860	0.78017	0.92431	0.74549	0.87939	0.82993							
5.50	0.82240	0.76720	0.90769	0.73383	0.86546	0.81644							
6.00	0.80838	0.75577	0.89337	0.72344	0.85324	0.80462							
6.50	0.79602	0.74555	0.88082	0.71410	0.84237	0.79410							
7.00	0.78501	0.73633	0.86963	0.70559	0.83258	0.78462							
7.50	0.77507	0.72794	0.85955	0.69781	0.82366	0.77601							
8.00	0.76606	0.72023	0.85041	0.69062	0.81549	0.76812							
8.50	0.75782	0.71310	0.84204	0.68395	0.80794	0.76084							
9.00	0.75024	0.70648	0.83432	0.67774	0.80093	0.75409							
9.50	0.74321	0.70031	0.82717	0.67192	0.79438	0.74778							
10.00	0.73665	0.69451	0.82050	0.66645	0.78824	0.74187							
11.00	0.72479	0.68392	0.80837	0.65642	0.77701	0.73107							
12.00	0.71427	0.67443	0.79758	0.64739	0.76692	0.72139							
13.00	0.70482	0.66584	0.78786	0.63919	0.75778	0.71261							
14.00	0.69624	0.65799	0.77901	0.63169	0.74942	0.70460							

Collision integrals for the (11, 6, 8) potential function for $\gamma = 1.5$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.75613	3.35381	3.87622	3.08014	3.57220	3.55354	15.00	0.69225	0.65489	0.77436	0.62905	0.74545	0.70108
0.15	3.28987	2.92393	3.41452	2.66792	3.15274	3.09443	16.00	0.68507	0.64826	0.76694	0.62268	0.73837	0.69430
0.20	2.98247	2.62849	3.12760	2.36675	2.88633	2.77643	17.00	0.67842	0.64208	0.76005	0.61675	0.73178	0.68799
0.25	2.74531	2.39261	2.91639	2.12673	2.68263	2.53312	18.00	0.67222	0.63632	0.75361	0.61120	0.72561	0.68208
0.30	2.55300	2.19824	2.74485	1.93265	2.50758	2.33780	19.00	0.66643	0.63091	0.74758	0.60600	0.71981	0.67654
0.35	2.38866	2.03560	2.59602	1.77572	2.35110	2.17671	20.00	0.66099	0.62581	0.74190	0.60109	0.71434	0.67132
0.40	2.24759	1.89925	2.46358	1.64724	2.21018	2.03945	22.00	0.65102	0.61645	0.73147	0.59206	0.70427	0.66170
0.45	2.12564	1.78262	2.34252	1.54530	2.08818	1.92605	24.00	0.64206	0.60801	0.72206	0.58391	0.69517	0.65302
0.50	2.01882	1.68610	2.23600	1.45918	1.97620	1.82539	26.00	0.63394	0.60034	0.71349	0.57650	0.68688	0.64511
0.55	1.92490	1.60113	2.13552	1.38860	1.87982	1.73941	28.00	0.62651	0.59330	0.70564	0.56970	0.67926	0.63785
0.60	1.84201	1.53084	2.04948	1.33072	1.79587	1.66538	30.00	0.61968	0.58682	0.69838	0.56344	0.67222	0.63115
0.65	1.76832	1.46785	1.96758	1.28038	1.71970	1.59938	32.00	0.61334	0.58081	0.69165	0.55762	0.66568	0.62493
0.70	1.70368	1.41321	1.89382	1.23734	1.65331	1.54094	34.00	0.60745	0.57521	0.68538	0.55221	0.65958	0.61912
0.75	1.64497	1.36640	1.82965	1.20043	1.59495	1.48913	36.00	0.60195	0.56997	0.67949	0.54714	0.65386	0.61368
0.80	1.59061	1.32605	1.77112	1.16868	1.54272	1.44370	38.00	0.59678	0.56505	0.67397	0.54238	0.64848	0.60857
0.85	1.54425	1.28888	1.71597	1.14072	1.49608	1.40299	40.00	0.59192	0.56041	0.66875	0.53789	0.64340	0.60375
0.90	1.50176	1.25550	1.66609	1.11576	1.45438	1.36602	45.00	0.58087	0.54988	0.65688	0.52770	0.63185	0.59278
0.95	1.46228	1.22555	1.62112	1.09368	1.41727	1.33277	50.00	0.57115	0.54060	0.64639	0.51872	0.62163	0.58309
1.00	1.42503	1.19906	1.58028	1.07383	1.38373	1.30261	55.00	0.56247	0.53231	0.63700	0.51070	0.61249	0.57443
1.10	1.36309	1.15405	1.50789	1.03993	1.32560	1.25043	60.00	0.55464	0.52483	0.62850	0.50347	0.60422	0.56659
1.20	1.31272	1.11597	1.44646	1.01185	1.27724	1.20690	65.00	0.54752	0.51803	0.62076	0.49689	0.59669	0.55946
1.30	1.26658	1.08392	1.39459	0.98811	1.23681	1.16986	70.00	0.54100	0.51179	0.61365	0.49086	0.58977	0.55291
1.40	1.22630	1.05655	1.34962	0.96772	1.20245	1.13806	75.00	0.53498	0.50604	0.60709	0.48530	0.58338	0.54687
1.50	1.19173	1.03293	1.31006	0.95005	1.17290	1.11063	80.00	0.52940	0.50071	0.60099	0.48015	0.57745	0.54125
1.60	1.16236	1.01228	1.27557	0.93454	1.14719	1.08669	85.00	0.52420	0.49574	0.59530	0.47535	0.57191	0.53602
1.70	1.13620	0.99400	1.24541	0.92076	1.12459	1.06562	90.00	0.51934	0.49110	0.58996	0.47086	0.56673	0.53112
1.80	1.11225	0.97760	1.21860	0.90839	1.10462	1.04689	95.00	0.51478	0.48674	0.58495	0.46664	0.56186	0.52652
1.90	1.09113	0.96297	1.19476	0.89721	1.08687	1.03011	100.00	0.51048	0.48263	0.58023	0.46268	0.55726	0.52218
2.00	1.07176	0.94977	1.17329	0.88703	1.07097	1.01501	125.00	0.49211	0.46508	0.55999	0.44573	0.53760	0.50362
2.20	1.03844	0.92689	1.13615	0.86912	1.04361	0.98888	150.00	0.47751	0.45115	0.54383	0.43228	0.52192	0.48883
2.40	1.01058	0.90753	1.10520	0.85380	1.02085	0.96692	175.00	0.46545	0.43964	0.53045	0.42118	0.50894	0.47660
2.60	0.98666	0.89084	1.07921	0.84042	1.00138	0.94838	200.00	0.45520	0.42987	0.51905	0.41176	0.49790	0.46619
2.80	0.96578	0.87629	1.05704	0.82859	0.98463	0.93231							
3.00	0.94782	0.86343	1.03777	0.81799	0.97003	0.91818							
3.20	0.93205	0.85193	1.02081	0.80842	0.95711	0.90564							
3.40	0.91793	0.84158	1.00577	0.79970	0.94553	0.89442							
3.60	0.90513	0.83216	0.99231	0.79169	0.93504	0.88430							
3.80	0.89349	0.82355	0.98019	0.78429	0.92552	0.87507							
4.00	0.88290	0.81561	0.96918	0.77742	0.91680	0.86661							
4.50	0.86011	0.79815	0.94561	0.76212	0.89775	0.84817							
5.00	0.84114	0.78332	0.92618	0.74895	0.88177	0.83263							
5.50	0.82508	0.77046	0.90977	0.73738	0.86799	0.81927							
6.00	0.81121	0.75913	0.89558	0.72708	0.85590	0.80756							
6.50	0.79898	0.74900	0.88317	0.71780	0.84514	0.79714							
7.00	0.78808	0.73986	0.87211	0.70937	0.83545	0.78775							
7.50	0.77825	0.73152	0.86214	0.70163	0.82663	0.77922							
8.00	0.76931	0.72387	0.85309	0.69450	0.81853	0.77140							
8.50	0.76113	0.71681	0.84480	0.68788	0.81106	0.76419							
9.00	0.75361	0.71024	0.83717	0.68170	0.80412	0.75749							
9.50	0.74664	0.70410	0.83009	0.67592	0.79763	0.75124							
10.00	0.74015	0.69835	0.82348	0.67049	0.79155	0.74538							
11.00	0.72838	0.68783	0.81148	0.66051	0.78042	0.73466							
12.00	0.71794	0.67840	0.80079	0.65154	0.77043	0.72506							
13.00	0.70856	0.66986	0.79116	0.64339	0.76137	0.71636							
14.00	0.70004	0.66207	0.78240	0.63593	0.75308	0.70840							

Collision integrals for the (11, 6, 8) potential function for $\gamma = 2.0$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.61090	3.24060	3.75059	2.98435	3.46237	3.43771	15.00	0.69577	0.65865	0.77755	0.63295	0.74886	0.70461
0.15	3.18356	2.84024	3.31703	2.60011	3.06731	3.00893	16.00	0.68864	0.65205	0.77019	0.62660	0.74184	0.69787
0.20	2.89129	2.56319	3.04341	2.31961	2.81649	2.71182	17.00	0.68203	0.64591	0.76334	0.62070	0.73529	0.69159
0.25	2.67237	2.34294	2.84460	2.09366	2.62467	2.48258	18.00	0.67587	0.64017	0.75696	0.61517	0.72916	0.68572
0.30	2.49195	2.16017	2.68337	1.90909	2.45982	2.29742	19.00	0.67011	0.63478	0.75097	0.60998	0.72340	0.68021
0.35	2.33820	2.00584	2.54283	1.75756	2.31115	2.14236	20.00	0.66470	0.62971	0.74533	0.60509	0.71796	0.67501
0.40	2.20544	1.87586	2.41799	1.63590	2.17993	2.01388	22.00	0.65478	0.62038	0.73496	0.59608	0.70795	0.66544
0.45	2.08980	1.76463	2.30412	1.53461	2.06276	1.90227	24.00	0.64586	0.61197	0.72561	0.58796	0.69890	0.65680
0.50	1.98826	1.67145	2.20167	1.45321	1.95622	1.80784	26.00	0.63778	0.60432	0.71710	0.58057	0.69065	0.64893
0.55	1.89856	1.58917	2.10685	1.38358	1.86168	1.72423	28.00	0.63038	0.59731	0.70929	0.57379	0.68307	0.64170
0.60	1.81941	1.52037	2.02255	1.32627	1.78072	1.65181	30.00	0.62357	0.59085	0.70209	0.56753	0.67607	0.63503
0.65	1.74934	1.46070	1.94695	1.27772	1.70777	1.58862	32.00	0.61727	0.58485	0.69539	0.56173	0.66956	0.62883
0.70	1.68515	1.40648	1.87436	1.23528	1.64274	1.53178	34.00	0.61140	0.57927	0.68915	0.55632	0.66349	0.62305
0.75	1.63001	1.36028	1.81130	1.19871	1.58575	1.48118	36.00	0.60591	0.57404	0.68330	0.55126	0.65780	0.61763
0.80	1.57826	1.32074	1.75552	1.16731	1.53504	1.43651	38.00	0.60076	0.56913	0.67780	0.54651	0.65245	0.61254
0.85	1.53132	1.28539	1.70327	1.13985	1.48950	1.39690	40.00	0.59591	0.56450	0.67261	0.54203	0.64739	0.60773
0.90	1.49059	1.25259	1.65441	1.11537	1.44869	1.36100	45.00	0.58490	0.55399	0.66080	0.53186	0.63589	0.59681
0.95	1.45328	1.22343	1.61061	1.09344	1.41209	1.32832	50.00	0.57520	0.54473	0.65036	0.52289	0.62572	0.58715
1.00	1.41796	1.19688	1.57057	1.07392	1.37930	1.29884	55.00	0.56654	0.53645	0.64101	0.51487	0.61661	0.57851
1.10	1.35618	1.15242	1.50022	1.04034	1.32236	1.24753	60.00	0.55873	0.52898	0.63255	0.50765	0.60838	0.57070
1.20	1.30625	1.11531	1.44025	1.01257	1.27475	1.20475	65.00	0.55163	0.52218	0.62484	0.50107	0.60087	0.56358
1.30	1.26291	1.08362	1.38924	0.98911	1.23487	1.16838	70.00	0.54511	0.51595	0.61776	0.49504	0.59397	0.55705
1.40	1.22341	1.05655	1.34534	0.96893	1.20097	1.13708	75.00	0.53911	0.51021	0.61122	0.48948	0.58760	0.55102
1.50	1.18893	1.03323	1.30673	0.95142	1.17186	1.11000	80.00	0.53353	0.50488	0.60514	0.48433	0.58169	0.54542
1.60	1.15969	1.01282	1.27271	0.93604	1.14650	1.08636	85.00	0.52834	0.49991	0.59947	0.47952	0.57617	0.54019
1.70	1.13422	0.99479	1.24293	0.92239	1.12420	1.06557	90.00	0.52349	0.49527	0.59416	0.47503	0.57100	0.53530
1.80	1.11107	0.97866	1.21661	0.91015	1.10446	1.04709	95.00	0.51893	0.49091	0.58916	0.47081	0.56614	0.53071
1.90	1.08994	0.96411	1.19305	0.89907	1.08689	1.03053	100.00	0.51463	0.48680	0.58445	0.46684	0.56155	0.52637
2.00	1.07120	0.95107	1.17198	0.88899	1.07116	1.01561	125.00	0.49627	0.46924	0.56426	0.44988	0.54192	0.50782
2.20	1.03828	0.92839	1.13545	0.87124	1.04409	0.98977	150.00	0.48167	0.45529	0.54814	0.43640	0.52626	0.49304
2.40	1.01077	0.90925	1.10489	0.85607	1.02156	0.96805	175.00	0.46960	0.44376	0.53476	0.42527	0.51328	0.48079
2.60	0.98732	0.89273	1.07916	0.84280	1.00237	0.94966	200.00	0.45934	0.43398	0.52338	0.41582	0.50224	0.47038
2.80	0.96674	0.87832	1.05724	0.83107	0.98574	0.93379							
3.00	0.94893	0.86559	1.03823	0.82057	0.97128	0.91981							
3.20	0.93323	0.85420	1.02149	0.81108	0.95848	0.90741							
3.40	0.91934	0.84393	1.00661	0.80243	0.94704	0.89628							
3.60	0.90675	0.83460	0.99332	0.79449	0.93668	0.88625							
3.80	0.89526	0.82606	0.98132	0.78715	0.92724	0.87712							
4.00	0.88477	0.81819	0.97044	0.78033	0.91860	0.86875							
4.50	0.86221	0.80088	0.94709	0.76516	0.89976	0.85047							
5.00	0.84341	0.78618	0.92787	0.75209	0.88393	0.83509							
5.50	0.82750	0.77343	0.91165	0.74062	0.87030	0.82185							
6.00	0.81376	0.76218	0.89761	0.73039	0.85834	0.81025							
6.50	0.80166	0.75214	0.88530	0.72118	0.84768	0.79992							
7.00	0.79086	0.74307	0.87437	0.71281	0.83808	0.79062							
7.50	0.78112	0.73480	0.86451	0.70513	0.82935	0.78216							
8.00	0.77227	0.72720	0.85555	0.69804	0.82134	0.77441							
8.50	0.76415	0.72018	0.84734	0.69146	0.81393	0.76726							
9.00	0.75668	0.71366	0.83978	0.68533	0.80705	0.76061							
9.50	0.74977	0.70757	0.83277	0.67958	0.80063	0.75441							
10.00	0.74334	0.70186	0.82623	0.67418	0.79461	0.74860							
11.00	0.73165	0.69141	0.81434	0.66426	0.78357	0.73797							
12.00	0.72128	0.68204	0.80375	0.65533	0.77366	0.72843							
13.00	0.71197	0.67355	0.79420	0.64722	0.76467	0.71979							
14.00	0.70351	0.66579	0.78552	0.63979	0.75644	0.71188							

Collision integrals for the (11, 6, 8) potential function for $\gamma = 2.5$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.47076	3.13025	3.62685	2.89253	3.35751	3.32560
0.15	3.07381	2.75802	3.22212	2.53556	2.98702	2.92659
0.20	2.80593	2.49987	2.96357	2.27444	2.75102	2.64930
0.25	2.60230	2.29569	2.77764	2.06163	2.56984	2.43346
0.30	2.43255	2.12340	2.62509	1.88599	2.41401	2.25786
0.35	2.28949	1.97735	2.49279	1.74119	2.27498	2.11073
0.40	2.16450	1.85300	2.37423	1.62387	2.15017	1.98797
0.45	2.05483	1.74725	2.26662	1.52711	2.03552	1.88240
0.50	1.95861	1.65718	2.16905	1.44659	1.93624	1.79006
0.55	1.87243	1.57794	2.08019	1.37877	1.84453	1.70953
0.60	1.79707	1.51120	1.99791	1.32179	1.76625	1.63856
0.65	1.72956	1.45237	1.92597	1.27473	1.69579	1.57784
0.70	1.66831	1.40079	1.85661	1.23325	1.63264	1.52289
0.75	1.61535	1.35566	1.79517	1.19732	1.57707	1.47376
0.80	1.56531	1.31536	1.74064	1.16597	1.52774	1.42967
0.85	1.52009	1.28125	1.69021	1.13893	1.48309	1.39098
0.90	1.48065	1.24985	1.64328	1.11487	1.44318	1.35603
0.95	1.44339	1.22110	1.60045	1.09326	1.40732	1.32413
1.00	1.41010	1.19519	1.56146	1.07393	1.37509	1.29519
1.10	1.34980	1.15083	1.49283	1.04065	1.31926	1.24472
1.20	1.29968	1.11447	1.43418	1.01321	1.27239	1.20269
1.30	1.25846	1.08322	1.38416	0.98997	1.23304	1.16692
1.40	1.22040	1.05653	1.34120	0.97002	1.19962	1.13611
1.50	1.18681	1.03344	1.30348	0.95266	1.17084	1.10938
1.60	1.15723	1.01331	1.26998	0.93740	1.14581	1.08604
1.70	1.13213	0.99546	1.24061	0.92388	1.12381	1.06548
1.80	1.10963	0.97954	1.21469	0.91175	1.10430	1.04724
1.90	1.08899	0.96519	1.19150	0.90077	1.08691	1.03089
2.00	1.07048	0.95223	1.17066	0.89078	1.07134	1.01613
2.20	1.03797	0.92973	1.13473	0.87318	1.04453	0.99058
2.40	1.01094	0.91081	1.10459	0.85810	1.02219	0.96918
2.60	0.98776	0.89446	1.07915	0.84500	1.00321	0.95087
2.80	0.96760	0.88017	1.05743	0.83335	0.98682	0.93512
3.00	0.94988	0.86755	1.03862	0.82292	0.97247	0.92130
3.20	0.93433	0.85627	1.02208	0.81352	0.95978	0.90901
3.40	0.92056	0.84609	1.00739	0.80494	0.94842	0.89800
3.60	0.90819	0.83684	0.99424	0.79706	0.93817	0.88806
3.80	0.89686	0.82835	0.98238	0.78978	0.92883	0.87900
4.00	0.88647	0.82055	0.97159	0.78301	0.92027	0.87070
4.50	0.86410	0.80339	0.94845	0.76796	0.90161	0.85258
5.00	0.84553	0.78881	0.92943	0.75498	0.88591	0.83734
5.50	0.82975	0.77615	0.91335	0.74358	0.87241	0.82421
6.00	0.81610	0.76499	0.89947	0.73343	0.86056	0.81270
6.50	0.80411	0.75501	0.88727	0.72428	0.85000	0.80246
7.00	0.79341	0.74601	0.87643	0.71596	0.84048	0.79323
7.50	0.78375	0.73779	0.86666	0.70832	0.83183	0.78484
8.00	0.77497	0.73025	0.85779	0.70128	0.82388	0.77715
8.50	0.76692	0.72328	0.84966	0.69474	0.81654	0.77005
9.00	0.75950	0.71679	0.84216	0.68864	0.80972	0.76346
9.50	0.75263	0.71074	0.83521	0.68292	0.80335	0.75730
10.00	0.74624	0.70507	0.82872	0.67755	0.79737	0.75153
11.00	0.73465	0.69468	0.81693	0.66768	0.78643	0.74097
12.00	0.72435	0.68536	0.80643	0.65880	0.77660	0.73150
13.00	0.71508	0.67691	0.79697	0.65072	0.76768	0.72292
14.00	0.70668	0.66919	0.78835	0.64333	0.75951	0.71506
15.00	0.69899	0.66209	0.78044	0.63651	0.75198	0.70783
16.00	0.69190	0.65552	0.77314	0.63019	0.74501	0.70113
17.00	0.68533	0.64941	0.76635	0.62431	0.73850	0.69489
18.00	0.67920	0.64369	0.76001	0.61880	0.73241	0.68906
19.00	0.67347	0.63833	0.75406	0.61363	0.72669	0.68357
20.00	0.66809	0.63328	0.74847	0.60875	0.72129	0.67841
22.00	0.65822	0.62399	0.73817	0.59978	0.71134	0.66889
24.00	0.64935	0.61561	0.72888	0.59168	0.70235	0.66029
26.00	0.64130	0.60798	0.72043	0.58430	0.69414	0.65245
28.00	0.63393	0.60100	0.71267	0.57754	0.68660	0.64525
30.00	0.62715	0.59455	0.70550	0.57130	0.67963	0.63861
32.00	0.62087	0.58857	0.69884	0.56551	0.67316	0.63243
34.00	0.61502	0.58300	0.69263	0.56011	0.66712	0.62667
36.00	0.60955	0.57778	0.68682	0.55506	0.66145	0.62128
38.00	0.60442	0.57288	0.68134	0.55031	0.65612	0.61620
40.00	0.59958	0.56827	0.67618	0.54584	0.65109	0.61142
45.00	0.58860	0.55778	0.66443	0.53568	0.63963	0.60052
50.00	0.57893	0.54852	0.65403	0.52671	0.62949	0.59089
55.00	0.57029	0.54026	0.64472	0.51870	0.62042	0.58227
60.00	0.56249	0.53279	0.63630	0.51148	0.61221	0.57448
65.00	0.55540	0.52600	0.62861	0.50490	0.60472	0.56737
70.00	0.54889	0.51978	0.62156	0.49887	0.59784	0.56085
75.00	0.54289	0.51403	0.61503	0.49331	0.59148	0.55483
80.00	0.53733	0.50870	0.60897	0.48815	0.58558	0.54924
85.00	0.53214	0.50374	0.60332	0.48335	0.58007	0.54402
90.00	0.52729	0.49909	0.59802	0.47885	0.57491	0.53913
95.00	0.52273	0.49473	0.59303	0.47463	0.57006	0.53454
100.00	0.51844	0.49062	0.58833	0.47065	0.56548	0.53021
125.00	0.50008	0.47305	0.56818	0.45366	0.54587	0.51167
150.00	0.48547	0.45908	0.55207	0.44016	0.53022	0.49688
175.00	0.47339	0.44753	0.53871	0.42900	0.51724	0.48463
200.00	0.46312	0.43772	0.52733	0.41953	0.50619	0.47421

Collision integrals for the (11, 6, 8) potential function for $\gamma = 3.0$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.33137	3.02013	3.50345	2.80304	3.25516	3.21589	15.00	0.70197	0.66527	0.78312	0.63981	0.75487	0.71081
0.15	2.96693	2.67941	3.12450	2.47289	2.90598	2.84701	16.00	0.69491	0.65873	0.77587	0.63351	0.74794	0.70415
0.20	2.72166	2.43925	2.88453	2.22858	2.68342	2.58710	17.00	0.68838	0.65264	0.76913	0.62764	0.74147	0.69794
0.25	2.53190	2.24751	2.70840	2.02898	2.51451	2.38457	18.00	0.68228	0.64695	0.76283	0.62216	0.73542	0.69214
0.30	2.37623	2.08614	2.56641	1.86295	2.36904	2.21912	19.00	0.67658	0.64160	0.75693	0.61700	0.72973	0.68668
0.35	2.24074	1.94844	2.44254	1.72614	2.23793	2.08165	20.00	0.67122	0.63657	0.75137	0.61214	0.72437	0.68154
0.40	2.12357	1.83028	2.33126	1.61272	2.11882	1.96382	22.00	0.66140	0.62732	0.74114	0.60319	0.71447	0.67207
0.45	2.01993	1.72924	2.22945	1.51709	2.01002	1.85994	24.00	0.65256	0.61896	0.73190	0.59511	0.70553	0.66351
0.50	1.92870	1.64108	2.13615	1.43973	1.91627	1.77258	26.00	0.64454	0.61136	0.72350	0.58775	0.69736	0.65570
0.55	1.84743	1.56629	2.05191	1.37398	1.82818	1.69511	28.00	0.63721	0.60440	0.71578	0.58100	0.68986	0.64854
0.60	1.77495	1.50044	1.97292	1.31799	1.75119	1.62664	30.00	0.63045	0.59797	0.70865	0.57478	0.68293	0.64192
0.65	1.71029	1.44430	1.90393	1.27150	1.68427	1.56699	32.00	0.62419	0.59200	0.70203	0.56900	0.67648	0.63577
0.70	1.65268	1.39511	1.83999	1.23134	1.62310	1.51434	34.00	0.61836	0.58644	0.69586	0.56361	0.67046	0.63003
0.75	1.59908	1.34980	1.77844	1.19570	1.56853	1.46629	36.00	0.61291	0.58124	0.69007	0.55856	0.66482	0.62465
0.80	1.55313	1.31078	1.72505	1.16477	1.52060	1.42331	38.00	0.60779	0.57635	0.68462	0.55382	0.65951	0.61959
0.85	1.50943	1.27685	1.67759	1.13794	1.47708	1.38516	40.00	0.60297	0.57174	0.67948	0.54936	0.65450	0.61482
0.90	1.46922	1.24690	1.63261	1.11429	1.43791	1.35111	45.00	0.59202	0.56127	0.66778	0.53920	0.64308	0.60395
0.95	1.43430	1.21885	1.59074	1.09308	1.40277	1.32011	50.00	0.58237	0.55203	0.65742	0.53024	0.63298	0.59434
1.00	1.40190	1.19315	1.55245	1.07387	1.37099	1.29166	55.00	0.57375	0.54377	0.64815	0.52224	0.62393	0.58574
1.10	1.34357	1.14923	1.48592	1.04096	1.31621	1.24211	60.00	0.56596	0.53631	0.63975	0.51501	0.61574	0.57797
1.20	1.29400	1.11350	1.42835	1.01376	1.27020	1.20067	65.00	0.55888	0.52953	0.63209	0.50844	0.60827	0.57088
1.30	1.25350	1.08291	1.37936	0.99076	1.23131	1.16550	70.00	0.55239	0.52330	0.62506	0.50240	0.60141	0.56436
1.40	1.21753	1.05644	1.33706	0.97101	1.19832	1.13518	75.00	0.54639	0.51756	0.61855	0.49684	0.59507	0.55835
1.50	1.18421	1.03359	1.30037	0.95379	1.16989	1.10879	80.00	0.54083	0.51223	0.61251	0.49168	0.58918	0.55276
1.60	1.15504	1.01369	1.26748	0.93866	1.14515	1.08571	85.00	0.53565	0.50727	0.60687	0.48687	0.58368	0.54755
1.70	1.12997	0.99605	1.23842	0.92523	1.12343	1.06539	90.00	0.53080	0.50262	0.60158	0.48237	0.57852	0.54267
1.80	1.10801	0.98032	1.21281	0.91321	1.10414	1.04735	95.00	0.52625	0.49825	0.59661	0.47815	0.57368	0.53808
1.90	1.08807	0.96617	1.19000	0.90233	1.08693	1.03119	100.00	0.52195	0.49414	0.59191	0.47416	0.56911	0.53375
2.00	1.06958	0.95330	1.16943	0.89242	1.07150	1.01661	125.00	0.50360	0.47656	0.57179	0.45715	0.54952	0.51522
2.20	1.03769	0.93098	1.13394	0.87496	1.04494	0.99132	150.00	0.48898	0.46257	0.55570	0.44362	0.53387	0.50043
2.40	1.01099	0.91222	1.10430	0.86001	1.02282	0.97012	175.00	0.47689	0.45101	0.54235	0.43245	0.52089	0.48817
2.60	0.98812	0.89605	1.07911	0.84700	1.00399	0.95198	200.00	0.46661	0.44118	0.53097	0.42295	0.50984	0.47774
2.80	0.96833	0.88188	1.05760	0.83545	0.98777	0.93635							
3.00	0.95078	0.86935	1.03897	0.82511	0.97355	0.92267							
3.20	0.93533	0.85817	1.02262	0.81576	0.96097	0.91051							
3.40	0.92165	0.84808	1.00809	0.80725	0.94971	0.89959							
3.60	0.90944	0.83888	0.99507	0.79943	0.93955	0.88972							
3.80	0.89830	0.83048	0.98332	0.79220	0.93029	0.88074							
4.00	0.88805	0.82273	0.97266	0.78549	0.92181	0.87251							
4.50	0.86583	0.80570	0.94972	0.77053	0.90331	0.85454							
5.00	0.84748	0.79123	0.93087	0.75764	0.88775	0.83942							
5.50	0.83178	0.77866	0.91494	0.74632	0.87436	0.82639							
6.00	0.81824	0.76758	0.90118	0.73623	0.86261	0.81497							
6.50	0.80636	0.75767	0.88909	0.72714	0.85214	0.80481							
7.00	0.79575	0.74872	0.87833	0.71886	0.84270	0.79565							
7.50	0.78617	0.74056	0.86866	0.71128	0.83411	0.78732							
8.00	0.77746	0.73306	0.85986	0.70427	0.82623	0.77968							
8.50	0.76948	0.72613	0.85180	0.69777	0.81895	0.77263							
9.00	0.76211	0.71969	0.84436	0.69170	0.81219	0.76608							
9.50	0.75528	0.71367	0.83746	0.68601	0.80587	0.75997							
10.00	0.74893	0.70803	0.83103	0.68066	0.79993	0.75424							
11.00	0.73741	0.69769	0.81933	0.67084	0.78907	0.74375							
12.00	0.72717	0.68842	0.80892	0.66200	0.77931	0.73434							
13.00	0.71796	0.68002	0.79952	0.65396	0.77045	0.72581							
14.00	0.70961	0.67234	0.79097	0.64660	0.76234	0.71800							

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Collision integrals for the (12, 6, 8) potential function for $\gamma = 0$.

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	4.01115	3.55199	4.09985	3.24013	3.76095	3.75071	15.00	0.69484	0.65799	0.77568	0.63259	0.74708	0.70357
0.15	3.48163	3.06637	3.58728	2.77507	3.29531	3.23378	16.00	0.68776	0.65146	0.76834	0.62634	0.74010	0.69689
0.20	3.13071	2.73180	3.26779	2.44003	3.00151	2.88047	17.00	0.68120	0.64540	0.76153	0.62053	0.73361	0.69068
0.25	2.86555	2.47017	3.03420	2.17636	2.77534	2.61236	18.00	0.67510	0.63974	0.75518	0.61509	0.72753	0.68487
0.30	2.64977	2.25673	2.84418	1.96635	2.58080	2.39949	19.00	0.66940	0.63443	0.74922	0.60999	0.72182	0.67942
0.35	2.46890	2.08023	2.67943	1.79916	2.40943	2.22531	20.00	0.66404	0.62944	0.74362	0.60519	0.71644	0.67429
0.40	2.31460	1.93339	2.53361	1.66558	2.25709	2.08054	22.00	0.65424	0.62025	0.73333	0.59635	0.70654	0.66485
0.45	2.18161	1.81062	2.40224	1.55770	2.12451	1.95739	24.00	0.64544	0.61199	0.72406	0.58838	0.69760	0.65632
0.50	2.06622	1.70732	2.28570	1.46956	2.00652	1.85274	26.00	0.63746	0.60447	0.71564	0.58114	0.68945	0.64857
0.55	1.96539	1.61930	2.17949	1.39698	1.90515	1.76179	28.00	0.63017	0.59759	0.70791	0.57450	0.68198	0.64145
0.60	1.87674	1.54464	2.08528	1.33662	1.81481	1.68372	30.00	0.62346	0.59125	0.70078	0.56837	0.67507	0.63488
0.65	1.79877	1.48016	1.99903	1.28537	1.73619	1.61491	32.00	0.61726	0.58537	0.69417	0.56270	0.66866	0.62879
0.70	1.72919	1.42401	1.92299	1.24180	1.66782	1.55422	34.00	0.61149	0.57989	0.68800	0.55741	0.66268	0.62310
0.75	1.66762	1.37552	1.85378	1.20452	1.60671	1.50116	36.00	0.60609	0.57477	0.68223	0.55247	0.65708	0.61778
0.80	1.61219	1.33283	1.79047	1.17207	1.55248	1.45401	38.00	0.60103	0.56996	0.67681	0.54782	0.65181	0.61278
0.85	1.56227	1.29484	1.73368	1.14355	1.50459	1.41169	40.00	0.59627	0.56544	0.67169	0.54345	0.64684	0.60806
0.90	1.51761	1.26102	1.68278	1.11835	1.46201	1.37368	45.00	0.58547	0.55516	0.66006	0.53351	0.63554	0.59734
0.95	1.47696	1.23107	1.63639	1.09599	1.42392	1.33949	50.00	0.57596	0.54610	0.64978	0.52476	0.62555	0.58787
1.00	1.43969	1.20425	1.59334	1.07607	1.38952	1.30873	55.00	0.56748	0.53801	0.64059	0.51695	0.61662	0.57941
1.10	1.37502	1.15782	1.51806	1.04193	1.32994	1.25556	60.00	0.55984	0.53072	0.63229	0.50991	0.60854	0.57177
1.20	1.32061	1.11910	1.45525	1.01359	1.28089	1.21101	65.00	0.55288	0.52409	0.62472	0.50350	0.60119	0.56480
1.30	1.27370	1.08666	1.40187	0.98968	1.23986	1.17328	70.00	0.54652	0.51802	0.61777	0.49763	0.59444	0.55842
1.40	1.23346	1.05912	1.35536	0.96922	1.20500	1.14106	75.00	0.54065	0.51242	0.61136	0.49222	0.58821	0.55252
1.50	1.19878	1.03525	1.31498	0.95150	1.17503	1.11327	80.00	0.53520	0.50723	0.60540	0.48721	0.58242	0.54705
1.60	1.16815	1.01430	1.27999	0.93593	1.14896	1.08906	85.00	0.53014	0.50239	0.59985	0.48254	0.57703	0.54196
1.70	1.14085	0.99581	1.24930	0.92211	1.12614	1.06774	90.00	0.52540	0.49787	0.59464	0.47817	0.57198	0.53718
1.80	1.11646	0.97937	1.22211	0.90971	1.10603	1.04879	95.00	0.52095	0.49362	0.58976	0.47407	0.56723	0.53270
1.90	1.09473	0.96466	1.19780	0.89850	1.08816	1.03186	100.00	0.51676	0.48962	0.58515	0.47021	0.56276	0.52847
2.00	1.07533	0.95143	1.17592	0.88831	1.07214	1.01663	125.00	0.49887	0.47256	0.56542	0.45374	0.54361	0.51040
2.20	1.04169	0.92843	1.13812	0.87040	1.04456	0.99033	150.00	0.48466	0.45900	0.54969	0.44066	0.52836	0.49601
2.40	1.01325	0.90897	1.10695	0.85509	1.02157	0.96831	175.00	0.47292	0.44781	0.53666	0.42987	0.51573	0.48411
2.60	0.98897	0.89224	1.08077	0.84174	1.00206	0.94966	200.00	0.46296	0.43832	0.52557	0.42071	0.50500	0.47399
2.80	0.96807	0.87766	1.05835	0.82993	0.98531	0.93349							
3.00	0.94999	0.86480	1.03888	0.81937	0.97067	0.91932							
3.20	0.93406	0.85332	1.02179	0.80983	0.95769	0.90678							
3.40	0.91980	0.84298	1.00665	0.80116	0.94605	0.89556							
3.60	0.90692	0.83359	0.99313	0.79319	0.93557	0.88542							
3.80	0.89524	0.82500	0.98093	0.78583	0.92605	0.87619							
4.00	0.88460	0.81708	0.96991	0.77901	0.91730	0.86776							
4.50	0.86168	0.79968	0.94624	0.76382	0.89829	0.84933							
5.00	0.84275	0.78493	0.92681	0.75076	0.88233	0.83385							
5.50	0.82675	0.77216	0.91035	0.73931	0.86858	0.82056							
6.00	0.81288	0.76091	0.89620	0.72912	0.85654	0.80891							
6.50	0.80067	0.75087	0.88380	0.71995	0.84584	0.79856							
7.00	0.78979	0.74181	0.87275	0.71161	0.83620	0.78924							
7.50	0.78001	0.73356	0.86281	0.70398	0.82743	0.78078							
8.00	0.77114	0.72599	0.85380	0.69694	0.81939	0.77303							
8.50	0.76303	0.71901	0.84556	0.69042	0.81198	0.76588							
9.00	0.75555	0.71252	0.83796	0.68434	0.80509	0.75925							
9.50	0.74864	0.70646	0.83092	0.67864	0.79867	0.75307							
10.00	0.74220	0.70079	0.82436	0.67329	0.79265	0.74727							
11.00	0.73055	0.69041	0.81244	0.66348	0.78163	0.73669							
12.00	0.72023	0.68112	0.80184	0.65466	0.77175	0.72720							
13.00	0.71095	0.67271	0.79230	0.64666	0.76280	0.71862							
14.00	0.70254	0.66504	0.78363	0.63933	0.75461	0.71078							

Collision integrals for the (12, 6, 8) potential function for $\gamma = 0.5$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.84119	3.41193	3.94875	3.12192	3.62805	3.61044	15.00	0.69998	0.66347	0.78028	0.63827	0.75203	0.70869
0.15	3.34474	2.96102	3.46511	2.69004	3.18812	3.12838	16.00	0.69297	0.65700	0.77303	0.63206	0.74513	0.70208
0.20	3.02046	2.65024	3.16235	2.38006	2.91202	2.79932	17.00	0.68647	0.65098	0.76630	0.62628	0.73871	0.69593
0.25	2.77350	2.40737	2.94312	2.13338	2.69940	2.54771	18.00	0.68042	0.64536	0.76002	0.62088	0.73270	0.69018
0.30	2.57415	2.20826	2.76528	1.93776	2.52049	2.34943	19.00	0.67476	0.64008	0.75414	0.61581	0.72705	0.68478
0.35	2.40533	2.04246	2.61152	1.77875	2.35968	2.18478	20.00	0.66945	0.63512	0.74860	0.61103	0.72173	0.67969
0.40	2.26084	1.90497	2.47620	1.64878	2.21499	2.04464	22.00	0.65972	0.62600	0.73842	0.60224	0.71192	0.67032
0.45	2.13612	1.78670	2.35174	1.54638	2.09136	1.92948	24.00	0.65099	0.61778	0.72925	0.59431	0.70306	0.66187
0.50	2.02658	1.68814	2.24201	1.46009	1.97775	1.82799	26.00	0.64307	0.61030	0.72091	0.58709	0.69499	0.65417
0.55	1.93176	1.60413	2.14132	1.38972	1.88104	1.74134	28.00	0.63583	0.60346	0.71326	0.58048	0.68758	0.64711
0.60	1.84797	1.53258	2.05315	1.33179	1.79599	1.66688	30.00	0.62916	0.59714	0.70620	0.57438	0.68073	0.64058
0.65	1.77284	1.46896	1.96942	1.28156	1.71955	1.60050	32.00	0.62299	0.59129	0.69965	0.56872	0.67437	0.63453
0.70	1.70854	1.41455	1.89569	1.23863	1.65307	1.54176	34.00	0.61725	0.58584	0.69354	0.56345	0.66844	0.62888
0.75	1.64814	1.36822	1.83141	1.20204	1.59454	1.49006	36.00	0.61189	0.58074	0.68782	0.55852	0.66288	0.62359
0.80	1.59406	1.32759	1.77188	1.17046	1.54222	1.44463	38.00	0.60686	0.57595	0.68244	0.55389	0.65765	0.61862
0.85	1.54720	1.29026	1.71629	1.14258	1.49557	1.40378	40.00	0.60212	0.57144	0.67737	0.54952	0.65271	0.61393
0.90	1.50451	1.25724	1.66670	1.11781	1.45401	1.36686	45.00	0.59137	0.56119	0.66582	0.53961	0.64148	0.60326
0.95	1.46428	1.22724	1.62147	1.09586	1.41695	1.33363	50.00	0.58190	0.55216	0.65562	0.53087	0.63156	0.59384
1.00	1.42754	1.20100	1.58045	1.07619	1.38350	1.30355	55.00	0.57345	0.54409	0.64649	0.52306	0.62267	0.58541
1.10	1.36591	1.15613	1.50788	1.04256	1.32547	1.25158	60.00	0.56583	0.53681	0.63824	0.51602	0.61464	0.57779
1.20	1.31508	1.11823	1.44658	1.01472	1.27736	1.20819	65.00	0.55890	0.53019	0.63071	0.50962	0.60731	0.57085
1.30	1.26876	1.08636	1.39474	0.99118	1.23713	1.17130	70.00	0.55255	0.52412	0.62380	0.50375	0.60059	0.56448
1.40	1.22843	1.05921	1.34973	0.97101	1.20299	1.13971	75.00	0.54669	0.51852	0.61742	0.49834	0.59438	0.55860
1.50	1.19427	1.03576	1.31027	0.95352	1.17360	1.11243	80.00	0.54126	0.51333	0.61149	0.49332	0.58862	0.55314
1.60	1.16503	1.01528	1.27598	0.93817	1.14803	1.08867	85.00	0.53620	0.50850	0.60596	0.48864	0.58324	0.54805
1.70	1.13874	0.99711	1.24593	0.92454	1.12560	1.06775	90.00	0.53147	0.50397	0.60078	0.48427	0.57820	0.54328
1.80	1.11500	0.98087	1.21926	0.91232	1.10579	1.04915	95.00	0.52703	0.49973	0.59591	0.48016	0.57347	0.53880
1.90	1.09386	0.96642	1.19557	0.90127	1.08819	1.03251	100.00	0.52284	0.49573	0.59132	0.47630	0.56900	0.53458
2.00	1.07465	0.95334	1.17418	0.89121	1.07243	1.01754	125.00	0.50496	0.47864	0.57165	0.45979	0.54989	0.51652
2.20	1.04155	0.93070	1.13721	0.87354	1.04530	0.99165	150.00	0.49074	0.46506	0.55595	0.44667	0.53465	0.50213
2.40	1.01388	0.91153	1.10649	0.85843	1.02275	0.96993	175.00	0.47899	0.45384	0.54294	0.43584	0.52203	0.49021
2.60	0.99004	0.89505	1.08073	0.84525	1.00347	0.95159	200.00	0.46900	0.44431	0.53186	0.42665	0.51130	0.48008
2.80	0.96950	0.88069	1.05874	0.83359	0.98694	0.93569							
3.00	0.95164	0.86799	1.03963	0.82317	0.97250	0.92174							
3.20	0.93602	0.85666	1.02282	0.81375	0.95975	0.90936							
3.40	0.92201	0.84645	1.00793	0.80518	0.94830	0.89829							
3.60	0.90932	0.83718	0.99461	0.79731	0.93796	0.88831							
3.80	0.89782	0.82869	0.98263	0.79004	0.92857	0.87921							
4.00	0.88738	0.82088	0.97174	0.78329	0.91998	0.87087							
4.50	0.86484	0.80370	0.94846	0.76829	0.90122	0.85272							
5.00	0.84614	0.78913	0.92929	0.75537	0.88549	0.83744							
5.50	0.83033	0.77651	0.91311	0.74405	0.87195	0.82432							
6.00	0.81666	0.76539	0.89914	0.73396	0.86008	0.81283							
6.50	0.80463	0.75546	0.88693	0.72489	0.84952	0.80260							
7.00	0.79390	0.74650	0.87605	0.71664	0.84001	0.79341							
7.50	0.78424	0.73834	0.86625	0.70908	0.83137	0.78505							
8.00	0.77546	0.73086	0.85736	0.70211	0.82344	0.77739							
8.50	0.76744	0.72394	0.84924	0.69564	0.81613	0.77033							
9.00	0.76006	0.71752	0.84174	0.68962	0.80933	0.76378							
9.50	0.75323	0.71152	0.83480	0.68397	0.80299	0.75767							
10.00	0.74686	0.70590	0.82833	0.67867	0.79705	0.75194							
11.00	0.73533	0.69562	0.81657	0.66894	0.78617	0.74147							
12.00	0.72511	0.68641	0.80611	0.66018	0.77641	0.73209							
13.00	0.71593	0.67808	0.79670	0.65224	0.76757	0.72360							
14.00	0.70760	0.67047	0.78813	0.64497	0.75948	0.71583							

Collision integrals for the (12, 6, 8) potential function for $\gamma = 1.0$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.66797	3.27405	3.79740	3.01108	3.50192	3.47692	15.00	0.70451	0.66831	0.78436	0.64327	0.75642	0.71322
0.15	3.21347	2.85651	3.34476	2.61212	3.09006	3.02954	16.00	0.69756	0.66188	0.77719	0.63710	0.74958	0.70666
0.20	2.91529	2.57502	3.06530	2.32370	2.82793	2.72187	17.00	0.69111	0.65590	0.77053	0.63135	0.74321	0.70056
0.25	2.68664	2.34827	2.85729	2.09552	2.63114	2.48867	18.00	0.68511	0.65031	0.76431	0.62597	0.73725	0.69485
0.30	2.50358	2.16294	2.69128	1.90792	2.46054	2.29855	19 00	0.67949	0.64506	0.75849	0.62092	0.73165	0.68948
0.35	2.34458	2.00538	2.54551	1.75794	2.31161	2.14407	20.00	0.67422	0.64013	0.75300	0.61617	0.72637	0.68443
0.40	2.21059	1.87542	2.41903	1.63327	2.17583	2.01115	22.00	0.66456	0.63105	0.74291	0.60741	0.71664	0.67513
0.45	2.09326	1.76290	2.30260	1.53301	2.05914	1.89974	24.00	0.65587	0.62287	0.73382	0.59951	0.70785	0.66672
0.50	1.99101	1.66949	2.19901	1.45171	1.95161	1.80502	26.00	0.64800	0.61543	0.72555	0.59232	0.69984	0.65907
0.55	1.90178	1.58894	2.10501	1.38320	1.85789	1.72209	28.00	0.64080	0.60861	0.71796	0.58572	0.69248	0.65205
0.60	1.82011	1.51951	2.01968	1.32614	1.77687	1.64970	30.00	0.63417	0.60232	0.71095	0.57964	0.68568	0.64556
0.65	1.74825	1.45913	1.94266	1.27774	1.70388	1.58646	32.00	0.62804	0.59649	0.70445	0.57400	0.67936	0.63954
0.70	1.68719	1.40788	1.87287	1.23681	1.64037	1.53107	34.00	0.62233	0.59106	0.69839	0.56874	0.67346	0.63392
0.75	1.62919	1.36053	1.80848	1.19974	1.58281	1.47978	36.00	0.61699	0.58597	0.69270	0.56382	0.66794	0.62866
0.80	1.57741	1.32093	1.75232	1.16870	1.53239	1.43547	38.00	0.61197	0.58120	0.68736	0.55920	0.66274	0.62371
0.85	1.53443	1.28539	1.69967	1.14142	1.48703	1.39598	40.00	0.60726	0.57670	0.68232	0.55484	0.65783	0.61904
0.90	1.49064	1.25372	1.65193	1.11716	1.44648	1.36027	45.00	0.59655	0.56647	0.67085	0.54494	0.64667	0.60842
0.95	1.45254	1.22496	1.60850	1.09575	1.41048	1.32815	50.00	0.58711	0.55746	0.66072	0.53621	0.63680	0.59904
1.00	1.41764	1.19815	1.56815	1.07622	1.37771	1.29864	55.00	0.57868	0.54941	0.65164	0.52842	0.62796	0.59064
1.10	1.35721	1.15411	1.49809	1.04305	1.32124	1.24779	60.00	0.57109	0.54214	0.64343	0.52138	0.61996	0.58305
1.20	1.30709	1.11717	1.43834	1.01562	1.27406	1.20540	65.00	0.56417	0.53553	0.63595	0.51498	0.61268	0.57614
1.30	1.26347	1.08647	1.38841	0.99243	1.23455	1.16934	70.00	0.55783	0.52946	0.62908	0.50911	0.60598	0.56979
1.40	1.22632	1.05915	1.34424	0.97253	1.20102	1.13837	75.00	0.55199	0.52387	0.62272	0.50369	0.59980	0.56392
1.50	1.19069	1.03614	1.30593	0.95530	1.17223	1.11161	80.00	0.54657	0.51868	0.61682	0.49867	0.59405	0.55848
1.60	1.16181	1.01598	1.27222	0.94009	1.14710	1.08819	85.00	0.54151	0.51385	0.61132	0.49399	0.58870	0.55340
1.70	1.13626	0.99812	1.24269	0.92664	1.12504	1.06764	90.00	0.53679	0.50932	0.60616	0.48962	0.58368	0.54865
1.80	1.11320	0.98215	1.21658	0.91457	1.10552	1.04937	95.00	0.53235	0.50508	0.60131	0.48551	0.57896	0.54418
1.90	1.09310	0.96793	1.19339	0.90366	1.08817	1.03301	100.00	0.52817	0.50107	0.59674	0.48164	0.57451	0.53996
2.00	1.07384	0.95508	1.17253	0.89373	1.07263	1.01827	125.00	0.51029	0.48397	0.57713	0.46510	0.55544	0.52192
2.20	1.04134	0.93261	1.13626	0.87627	1.04590	0.99277	150.00	0.49607	0.47037	0.56147	0.45195	0.54021	0.50753
2.40	1.01418	0.91375	1.10604	0.86136	1.02368	0.97135	175.00	0.48430	0.45912	0.54847	0.44108	0.52759	0.49560
2.60	0.99085	0.89748	1.08063	0.84832	1.00474	0.95323	200.00	0.47431	0.44957	0.53741	0.43185	0.51685	0.48546
2.80	0.97065	0.88329	1.05897	0.83679	0.98834	0.93758							
3.00	0.95327	0.87076	1.04019	0.82649	0.97411	0.92381							
3.20	0.93755	0.85956	1.02366	0.81718	0.96151	0.91161							
3.40	0.92383	0.84950	1.00902	0.80870	0.95025	0.90067							
3.60	0.91141	0.84031	0.99588	0.80092	0.94005	0.89081							
3.80	0.90010	0.83192	0.98406	0.79373	0.93077	0.88184							
4.00	0.88978	0.82420	0.97334	0.78706	0.92229	0.87361							
4.50	0.86754	0.80723	0.95036	0.77221	0.90379	0.85568							
5.00	0.84915	0.79282	0.93146	0.75943	0.88827	0.84060							
5.50	0.83344	0.78033	0.91552	0.74822	0.87492	0.82764							
6.00	0.81996	0.76933	0.90174	0.73823	0.86320	0.81628							
6.50	0.80808	0.75951	0.88967	0.72924	0.85278	0.80618							
7.00	0.79749	0.75064	0.87896	0.72107	0.84340	0.79709							
7.50	0.78794	0.74256	0.86930	0.71358	0.83487	0.78883							
8.00	0.77927	0.73514	0.86052	0.70667	0.82704	0.78126							
8.50	0.77133	0.72829	0.85249	0.70026	0.81981	0.77427							
9.00	0.76402	0.72193	0.84510	0.69428	0.81310	0.76779							
9.50	0.75726	0.71598	0.83824	0.68868	0.80684	0.76174							
10.00	0.75096	0.71041	0.83185	0.68341	0.80096	0.75608							
11.00	0.73955	0.70022	0.82024	0.67375	0.79021	0.74571							
12.00	0.72941	0.69108	0.80991	0.66506	0.78056	0.73642							
13.00	0.72032	0.68281	0.80060	0.65716	0.77180	0.72800							
14.00	0.71207	0.67526	0.79213	0.64994	0.76379	0.72031							

Collision integrals for the (12, 6, 8) potential function for $\gamma = 1.5$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.49906	3.14112	3.64968	2.89358	3.36919	3.33476	15.00	0.70855	0.67261	0.78799	0.64773	0.76032	0.71725
0.15	3.08320	2.75690	3.22970	2.52729	2.98558	2.92319	16.00	0.70164	0.66622	0.78089	0.64159	0.75354	0.71075
0.20	2.80776	2.49339	2.96251	2.26360	2.74273	2.64046	17.00	0.69524	0.66027	0.77429	0.63587	0.74723	0.70468
0.25	2.59821	2.28610	2.77073	2.05158	2.55878	2.42341	18.00	0.68928	0.65472	0.76813	0.63052	0.74132	0.69901
0.30	2.42743	2.11414	2.61582	1.87765	2.40201	2.24803	19.00	0.68370	0.64950	0.76235	0.62549	0.73577	0.69369
0.35	2.28231	1.96895	2.48234	1.73494	2.26371	2.10194	20.00	0.67847	0.64459	0.75692	0.62075	0.73053	0.68867
0.40	2.15712	1.84564	2.36324	1.61899	2.13925	1.97983	22.00	0.66886	0.63556	0.74692	0.61203	0.72088	0.67943
0.45	2.04755	1.74143	2.25594	1.52199	2.02400	1.87332	24.00	0.66023	0.62742	0.73791	0.60416	0.71215	0.67108
0.50	1.95163	1.65064	2.15732	1.44383	1.92708	1.78328	26.00	0.65240	0.62001	0.72970	0.59699	0.70419	0.66347
0.55	1.86639	1.57398	2.07075	1.37630	1.83553	1.70282	28.00	0.64524	0.61321	0.72217	0.59041	0.69688	0.65649
0.60	1.79130	1.50647	1.98728	1.32047	1.75845	1.63305	30.00	0.63865	0.60695	0.71522	0.58435	0.69013	0.65003
0.65	1.72408	1.44968	1.91730	1.27415	1.68903	1.57309	32.00	0.63254	0.60114	0.70876	0.57872	0.68385	0.64404
0.70	1.66407	1.39879	1.84871	1.23320	1.62653	1.51874	34.00	0.62685	0.59572	0.70274	0.57347	0.67799	0.63845
0.75	1.61012	1.35329	1.78672	1.19776	1.57164	1.47020	36.00	0.62153	0.59065	0.69710	0.56856	0.67249	0.63321
0.80	1.56209	1.31420	1.73343	1.16686	1.52293	1.42665	38.00	0.61654	0.58589	0.69179	0.56394	0.66732	0.62828
0.85	1.51707	1.28063	1.68379	1.14017	1.47885	1.38841	40.00	0.61184	0.58140	0.68678	0.55959	0.66245	0.62364
0.90	1.47681	1.24980	1.63751	1.11652	1.43949	1.35398	45.00	0.60117	0.57120	0.67538	0.54971	0.65134	0.61306
0.95	1.44114	1.22115	1.59479	1.09524	1.40410	1.32252	50.00	0.59176	0.56220	0.66530	0.54099	0.64151	0.60370
1.00	1.40848	1.19572	1.55644	1.07610	1.37219	1.29386	55.00	0.58336	0.55416	0.65627	0.53319	0.63270	0.59533
1.10	1.34802	1.15193	1.48860	1.04339	1.31720	1.24415	60.00	0.57578	0.54690	0.64810	0.52616	0.62474	0.58777
1.20	1.29895	1.11618	1.43074	1.01635	1.27096	1.20267	65.00	0.56888	0.54029	0.64065	0.51976	0.61748	0.58087
1.30	1.25850	1.08535	1.38128	0.99348	1.23214	1.16742	70.00	0.56256	0.53423	0.63380	0.51389	0.61080	0.57453
1.40	1.22086	1.05909	1.33887	0.97386	1.19920	1.13706	75.00	0.55672	0.52864	0.62748	0.50847	0.60464	0.56868
1.50	1.18765	1.03633	1.30172	0.95676	1.17081	1.11070	80.00	0.55130	0.52345	0.62160	0.50344	0.59891	0.56324
1.60	1.15842	1.01649	1.26866	0.94177	1.14614	1.08771	85.00	0.54626	0.51862	0.61611	0.49876	0.59356	0.55817
1.70	1.13361	0.99892	1.23967	0.92847	1.12447	1.06746	90.00	0.54154	0.51409	0.61097	0.49438	0.58855	0.55342
1.80	1.11155	0.98328	1.21411	0.91655	1.10525	1.04949	95.00	0.53710	0.50984	0.60614	0.49026	0.58384	0.54896
1.90	1.09125	0.96916	1.19126	0.90577	1.08813	1.03340	100.00	0.53292	0.50584	0.60157	0.48639	0.57940	0.54475
2.00	1.07274	0.95637	1.17066	0.89596	1.07279	1.01888	125.00	0.51504	0.48872	0.58201	0.46981	0.56035	0.52671
2.20	1.04093	0.93427	1.13528	0.87869	1.04640	0.99374	150.00	0.50081	0.47509	0.56637	0.45663	0.54514	0.51231
2.40	1.01425	0.91568	1.10560	0.86394	1.02436	0.97266	175.00	0.48903	0.46382	0.55339	0.44573	0.53252	0.50038
2.60	0.99146	0.89963	1.08054	0.85105	1.00576	0.95469	200.00	0.47902	0.45424	0.54232	0.43647	0.52177	0.49022
2.80	0.97167	0.88560	1.05915	0.83964	0.98965	0.93923							
3.00	0.95413	0.87321	1.04063	0.82944	0.97556	0.92566							
3.20	0.93889	0.86216	1.02437	0.82023	0.96310	0.91360							
3.40	0.92536	0.85217	1.00992	0.81184	0.95196	0.90281							
3.60	0.91320	0.84310	0.99699	0.80414	0.94190	0.89305							
3.80	0.90208	0.83480	0.98535	0.79702	0.93275	0.88418							
4.00	0.89188	0.82716	0.97476	0.79041	0.92436	0.87606							
4.50	0.86992	0.81036	0.95205	0.77571	0.90610	0.85832							
5.00	0.85172	0.79611	0.93340	0.76305	0.89075	0.84341							
5.50	0.83624	0.78374	0.91764	0.75193	0.87755	0.83058							
6.00	0.82288	0.77284	0.90405	0.74204	0.86598	0.81935							
6.50	0.81114	0.76311	0.89212	0.73312	0.85568	0.80936							
7.00	0.80067	0.75432	0.88152	0.72501	0.84640	0.80036							
7.50	0.79124	0.74631	0.87198	0.71758	0.83796	0.79218							
8.00	0.78266	0.73896	0.86332	0.71072	0.83022	0.78468							
8.50	0.77479	0.73216	0.85539	0.70436	0.82308	0.77777							
9.00	0.76755	0.72585	0.84807	0.69842	0.81644	0.77135							
9.50	0.76084	0.71995	0.84129	0.69286	0.81024	0.76536							
10.00	0.75460	0.71443	0.83497	0.68764	0.80443	0.75974							
11.00	0.74329	0.70431	0.82349	0.67804	0.79378	0.74947							
12.00	0.73325	0.69524	0.81327	0.66940	0.78423	0.74026							
13.00	0.72422	0.68702	0.80406	0.66155	0.77556	0.73191							
14.00	0.71604	0.67952	0.79567	0.65436	0.76763	0.72428							

Collision integrals for the (12, 6, 8) potential function for $\gamma = 2.0$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.33185	3.00739	3.50008	2.78450	3.24451	3.20157	15.00	0.71218	0.67650	0.79126	0.65176	0.76384	0.72089
0.15	2.95539	2.65927	3.11039	2.44998	2.88701	2.82522	16.00	0.70533	0.67014	0.78422	0.64565	0.75712	0.71443
0.20	2.70467	2.41862	2.86520	2.20863	2.66146	2.56594	17.00	0.69897	0.66423	0.77768	0.63995	0.75086	0.70841
0.25	2.51430	2.22900	2.68787	2.00943	2.48777	2.36139	18.00	0.69305	0.65870	0.77158	0.63462	0.74500	0.70278
0.30	2.35728	2.06932	2.54410	1.84950	2.34627	2.20090	19.00	0.68751	0.65351	0.76585	0.62961	0.73949	0.69749
0.35	2.22342	1.93378	2.42047	1.71584	2.21796	2.06532	20.00	0.68230	0.64862	0.76046	0.62489	0.73429	0.69250
0.40	2.10760	1.81788	2.31002	1.60391	2.10018	1.94830	22.00	0.67275	0.63963	0.75054	0.61620	0.72470	0.68331
0.45	2.00538	1.71823	2.20950	1.51108	1.99424	1.84731	24.00	0.66416	0.63152	0.74160	0.60835	0.71604	0.67501
0.50	1.91546	1.63256	2.11805	1.43484	1.90035	1.76146	26.00	0.65637	0.62414	0.73345	0.60120	0.70813	0.66744
0.55	1.83557	1.55984	2.03560	1.37085	1.81610	1.68548	28.00	0.64925	0.61737	0.72597	0.59465	0.70086	0.66049
0.60	1.76430	1.49478	1.95831	1.31575	1.73994	1.61818	30.00	0.64268	0.61112	0.71907	0.58859	0.69415	0.65407
0.65	1.70065	1.43957	1.88934	1.26980	1.67398	1.55939	32.00	0.63660	0.60533	0.71266	0.58298	0.68790	0.64811
0.70	1.64443	1.39124	1.82714	1.23066	1.61470	1.50786	34.00	0.63094	0.59993	0.70667	0.57774	0.68207	0.64254
0.75	1.59170	1.34713	1.76753	1.19570	1.56091	1.46083	36.00	0.62564	0.59487	0.70106	0.57284	0.67661	0.63732
0.80	1.54594	1.30861	1.71439	1.16536	1.51350	1.41882	38.00	0.62067	0.59012	0.69579	0.56823	0.67146	0.63241
0.85	1.50373	1.27492	1.66702	1.13887	1.47111	1.38113	40.00	0.61598	0.58564	0.69081	0.56389	0.66661	0.62778
0.90	1.46434	1.24565	1.62385	1.11564	1.43286	1.34760	45.00	0.60534	0.57546	0.67947	0.55401	0.65555	0.61724
0.95	1.42927	1.21847	1.58310	1.09486	1.39831	1.31728	50.00	0.59596	0.56648	0.66944	0.54529	0.64576	0.60792
1.00	1.39778	1.19321	1.54518	1.07605	1.36705	1.28946	55.00	0.58758	0.55845	0.66045	0.53751	0.63699	0.59957
1.10	1.34116	1.14998	1.47944	1.04372	1.31318	1.24083	60.00	0.58002	0.55119	0.65232	0.53047	0.62905	0.59202
1.20	1.29210	1.11478	1.42346	1.01696	1.26813	1.20005	65.00	0.57313	0.54459	0.64489	0.52407	0.62181	0.58513
1.30	1.25187	1.08489	1.37524	0.99438	1.22993	1.16552	70.00	0.56682	0.53853	0.63807	0.51819	0.61515	0.57881
1.40	1.21712	1.05886	1.33355	0.97500	1.19744	1.13579	75.00	0.56099	0.53294	0.63177	0.51277	0.60900	0.57297
1.50	1.18451	1.03646	1.29746	0.95813	1.16952	1.10990	80.00	0.55558	0.52776	0.62591	0.50774	0.60329	0.56754
1.60	1.15591	1.01690	1.26547	0.94327	1.14523	1.08722	85.00	0.55054	0.52292	0.62044	0.50306	0.59795	0.56248
1.70	1.13096	0.99959	1.23695	0.93010	1.12389	1.06727	90.00	0.54582	0.51839	0.61531	0.49867	0.59295	0.55773
1.80	1.10932	0.98415	1.21165	0.91831	1.10499	1.04955	95.00	0.54139	0.51414	0.61049	0.49455	0.58825	0.55327
1.90	1.08986	0.97028	1.18923	0.90766	1.08809	1.03370	100.00	0.53721	0.51013	0.60594	0.49067	0.58381	0.54906
2.00	1.07185	0.95769	1.16905	0.89795	1.07292	1.01941	125.00	0.51933	0.49300	0.58641	0.47407	0.56479	0.53103
2.20	1.04059	0.93578	1.13426	0.88086	1.04684	0.99460	150.00	0.50509	0.47935	0.57079	0.46085	0.54958	0.51663
2.40	1.01428	0.91737	1.10517	0.86625	1.02500	0.97382	175.00	0.49330	0.46805	0.55782	0.44992	0.53697	0.50469
2.60	0.99183	0.90154	1.08044	0.85350	1.00672	0.95601	200.00	0.48327	0.45845	0.54676	0.44063	0.52621	0.49452
2.80	0.97243	0.88767	1.05928	0.84221	0.99085	0.94068							
3.00	0.95529	0.87540	1.04100	0.83211	0.97684	0.92731							
3.20	0.94006	0.86446	1.02498	0.82298	0.96449	0.91542							
3.40	0.92667	0.85459	1.01076	0.81467	0.95350	0.90473							
3.60	0.91469	0.84560	0.99799	0.80704	0.94357	0.89508							
3.80	0.90380	0.83739	0.98647	0.79999	0.93454	0.88629							
4.00	0.89378	0.82981	0.97602	0.79344	0.92624	0.87825							
4.50	0.87202	0.81319	0.95358	0.77886	0.90817	0.86070							
5.00	0.85407	0.79906	0.93514	0.76631	0.89298	0.84595							
5.50	0.83873	0.78681	0.91956	0.75529	0.87993	0.83325							
6.00	0.82550	0.77601	0.90614	0.74547	0.86848	0.82212							
6.50	0.81389	0.76636	0.89433	0.73662	0.85829	0.81222							
7.00	0.80353	0.75764	0.88383	0.72857	0.84911	0.80331							
7.50	0.79419	0.74970	0.87442	0.72120	0.84076	0.79520							
8.00	0.78570	0.74240	0.86585	0.71438	0.83310	0.78778							
8.50	0.77791	0.73566	0.85800	0.70806	0.82602	0.78092							
9.00	0.77074	0.72939	0.85075	0.70217	0.81945	0.77456							
9.50	0.76408	0.72354	0.84404	0.69664	0.81331	0.76862							
10.00	0.75789	0.71805	0.83779	0.69145	0.80755	0.76305							
11.00	0.74667	0.70800	0.82642	0.68190	0.79701	0.75286							
12.00	0.73670	0.69899	0.81630	0.67331	0.78754	0.74373							
13.00	0.72775	0.69083	0.80718	0.66551	0.77895	0.73544							
14.00	0.71962	0.68337	0.79888	0.65835	0.77109	0.72787							

Collision integrals for the (12, 6, 8) potential function for $\gamma = 2.5$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.16693	2.87810	3.35318	2.67855	3.12232	3.07161	15.00	0.71549	0.68004	0.79424	0.65543	0.76706	0.72421
0.15	2.83084	2.56367	2.99693	2.37568	2.79351	2.73062	16.00	0.70868	0.67372	0.78726	0.64934	0.76039	0.71779
0.20	2.60455	2.34667	2.77280	2.15449	2.58362	2.49285	17.00	0.70237	0.66783	0.78078	0.64367	0.75417	0.71181
0.25	2.43132	2.17193	2.60761	1.97397	2.42682	2.30773	18.00	0.69648	0.66233	0.77472	0.63836	0.74835	0.70621
0.30	2.28924	2.02586	2.47600	1.82232	2.29333	2.15572	19.00	0.69097	0.65716	0.76904	0.63337	0.74288	0.70095
0.35	2.16642	1.89964	2.36161	1.69460	2.17282	2.02677	20.00	0.68579	0.65230	0.76369	0.62866	0.73771	0.69599
0.40	2.05907	1.79105	2.25931	1.58844	2.06350	1.91693	22.00	0.67629	0.64334	0.75385	0.62000	0.72819	0.68685
0.45	1.96449	1.69697	2.16593	1.50080	1.96561	1.82322	24.00	0.66775	0.63526	0.74496	0.61217	0.71958	0.67859
0.50	1.88032	1.61587	2.08061	1.42670	1.87558	1.74043	26.00	0.65999	0.62790	0.73687	0.60505	0.71172	0.67106
0.55	1.80525	1.54523	2.00192	1.36483	1.79644	1.66828	28.00	0.65290	0.62116	0.72944	0.59850	0.70449	0.66415
0.60	1.73811	1.48385	1.93060	1.31118	1.72316	1.60351	30.00	0.64636	0.61493	0.72258	0.59247	0.69781	0.65775
0.65	1.67786	1.42940	1.86345	1.26572	1.65915	1.54664	32.00	0.64030	0.60915	0.71621	0.58686	0.69160	0.65181
0.70	1.62333	1.38270	1.80431	1.22761	1.60270	1.49682	34.00	0.63466	0.60376	0.71026	0.58163	0.68580	0.64627
0.75	1.57462	1.34138	1.74953	1.19395	1.55117	1.45205	36.00	0.62938	0.59872	0.70468	0.57674	0.68036	0.64107
0.80	1.52949	1.30329	1.69741	1.16405	1.50488	1.41129	38.00	0.62443	0.59398	0.69943	0.57213	0.67524	0.63618
0.85	1.49044	1.27019	1.65133	1.13772	1.46356	1.37452	40.00	0.61976	0.58951	0.69448	0.56780	0.67040	0.63156
0.90	1.45270	1.24096	1.60969	1.11473	1.42645	1.34159	45.00	0.60915	0.57935	0.68320	0.55793	0.65939	0.62105
0.95	1.41824	1.21516	1.57128	1.09432	1.39280	1.31206	50.00	0.59979	0.57038	0.67321	0.54922	0.64964	0.61176
1.00	1.38784	1.19103	1.53504	1.07591	1.36228	1.28514	55.00	0.59143	0.56235	0.66426	0.54143	0.64089	0.60343
1.10	1.33367	1.14863	1.47100	1.04395	1.30938	1.23761	60.00	0.58388	0.55511	0.65616	0.53440	0.63298	0.59590
1.20	1.28574	1.11340	1.41642	1.01748	1.26533	1.19762	65.00	0.57701	0.54851	0.64876	0.52800	0.62576	0.58902
1.30	1.24556	1.08418	1.36948	0.99519	1.22790	1.16370	70.00	0.57070	0.54245	0.64197	0.52212	0.61912	0.58271
1.40	1.21222	1.05872	1.32874	0.97602	1.19584	1.13454	75.00	0.56488	0.53686	0.63568	0.51670	0.61298	0.57688
1.50	1.18171	1.03663	1.29344	0.95934	1.16833	1.10912	80.00	0.55947	0.53168	0.62984	0.51166	0.60728	0.57145
1.60	1.15372	1.01720	1.26221	0.94464	1.14437	1.08679	85.00	0.55444	0.52684	0.62438	0.50697	0.60195	0.56640
1.70	1.12875	1.00016	1.23440	0.93159	1.12335	1.06709	90.00	0.54972	0.52231	0.61927	0.50258	0.59696	0.56166
1.80	1.10718	0.98492	1.20952	0.91990	1.10469	1.04960	95.00	0.54529	0.51806	0.61446	0.49846	0.59227	0.55720
1.90	1.08814	0.97122	1.18733	0.90935	1.08804	1.03395	100.00	0.54111	0.51405	0.60991	0.49457	0.58784	0.55299
2.00	1.07081	0.95882	1.16750	0.89975	1.07305	1.01985	125.00	0.52324	0.49689	0.59042	0.47794	0.56883	0.53496
2.20	1.04000	0.93712	1.13324	0.88282	1.04724	0.99537	150.00	0.50899	0.48322	0.57482	0.46469	0.55363	0.52056
2.40	1.01415	0.91887	1.10466	0.86835	1.02560	0.97487	175.00	0.49718	0.47191	0.56186	0.45373	0.54101	0.50861
2.60	0.99215	0.90324	1.08035	0.85571	1.00748	0.95728	200.00	0.48714	0.46228	0.55080	0.44442	0.53025	0.49843
2.80	0.97301	0.88954	1.05943	0.84454	0.99188	0.94204							
3.00	0.95622	0.87740	1.04133	0.83453	0.97807	0.92878							
3.20	0.94121	0.86655	1.02550	0.82547	0.96581	0.91704							
3.40	0.92792	0.85678	1.01147	0.81723	0.95490	0.90648							
3.60	0.91598	0.84788	0.99889	0.80967	0.94507	0.89692							
3.80	0.90526	0.83973	0.98751	0.80268	0.93614	0.88822							
4.00	0.89544	0.83223	0.97717	0.79619	0.92795	0.88024							
4.50	0.87395	0.81575	0.95497	0.78173	0.91005	0.86287							
5.00	0.85615	0.80175	0.93671	0.76928	0.89502	0.84825							
5.50	0.84102	0.78961	0.92132	0.75834	0.88208	0.83567							
6.00	0.82791	0.77889	0.90802	0.74859	0.87076	0.82464							
6.50	0.81637	0.76932	0.89636	0.73981	0.86067	0.81482							
7.00	0.80613	0.76066	0.88596	0.73181	0.85157	0.80599							
7.50	0.79687	0.75278	0.87661	0.72449	0.84330	0.79796							
8.00	0.78846	0.74554	0.86815	0.71772	0.83572	0.79060							
8.50	0.78075	0.73884	0.86037	0.71144	0.82871	0.78380							
9.00	0.77363	0.73261	0.85321	0.70558	0.82219	0.77748							
9.50	0.76703	0.72680	0.84655	0.70008	0.81611	0.77159							
10.00	0.76088	0.72135	0.84035	0.69492	0.81041	0.76607							
11.00	0.74974	0.71137	0.82909	0.68543	0.79995	0.75596							
12.00	0.73985	0.70241	0.81907	0.67688	0.79057	0.74689							
13.00	0.73096	0.69429	0.81002	0.66911	0.78205	0.73866							
14.00	0.72288	0.68687	0.80179	0.66200	0.77425	0.73114							

Collision integrals for the (13, 6, 8) potential function for $\gamma = 0$.

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.86993	3.42786	3.97242	3.13022	3.64395	3.62532	15.00	0.70906	0.67350	0.78733	0.64900	0.75985	0.71763
0.15	3.35953	2.96626	3.47722	2.69022	3.19420	3.13313	16.00	0.70223	0.66720	0.78028	0.64297	0.75315	0.71121
0.20	3.02819	2.65068	3.16809	2.37699	2.91256	2.79910	17.00	0.69590	0.66136	0.77373	0.63736	0.74691	0.70523
0.25	2.77698	2.40542	2.94472	2.12959	2.69684	2.54537	18.00	0.69001	0.65589	0.76763	0.63211	0.74107	0.69964
0.30	2.57512	2.20534	2.76414	1.93394	2.51588	2.34585	19.00	0.68451	0.65077	0.76191	0.62719	0.73559	0.69440
0.35	2.40474	2.03932	2.60868	1.77544	2.35416	2.18080	20.00	0.67934	0.64595	0.75653	0.62255	0.73043	0.68946
0.40	2.25942	1.90186	2.47207	1.64623	2.20938	2.04072	22.00	0.66988	0.63709	0.74665	0.61401	0.72092	0.68037
0.45	2.13429	1.78397	2.34714	1.54467	2.08604	1.92592	24.00	0.66139	0.62911	0.73775	0.60632	0.71233	0.67217
0.50	2.02463	1.68595	2.23731	1.45884	1.97249	1.82452	26.00	0.65369	0.62185	0.72965	0.59931	0.70450	0.66470
0.55	1.92977	1.60220	2.13633	1.38917	1.87633	1.73835	28.00	0.64665	0.61520	0.72223	0.59289	0.69731	0.65785
0.60	1.84710	1.53130	2.04848	1.33174	1.79157	1.66426	30.00	0.64018	0.60907	0.71538	0.58697	0.69068	0.65152
0.65	1.77111	1.46794	1.96469	1.28189	1.71552	1.59815	32.00	0.63419	0.60339	0.70903	0.58148	0.68452	0.64565
0.70	1.70686	1.41398	1.89127	1.23940	1.64952	1.53981	34.00	0.62861	0.59810	0.70310	0.57637	0.67876	0.64017
0.75	1.64686	1.36811	1.82735	1.20319	1.59134	1.48848	36.00	0.62340	0.59315	0.69755	0.57158	0.67338	0.63504
0.80	1.59287	1.32778	1.76798	1.17194	1.53940	1.44338	38.00	0.61851	0.58850	0.69234	0.56708	0.66831	0.63022
0.85	1.54638	1.29068	1.71263	1.14433	1.49311	1.40282	40.00	0.61391	0.58412	0.68742	0.56284	0.66353	0.62567
0.90	1.50396	1.25790	1.66327	1.11982	1.45188	1.36617	45.00	0.60347	0.57417	0.67624	0.55322	0.65265	0.61532
0.95	1.46386	1.22826	1.61843	1.09811	1.41511	1.33323	50.00	0.59428	0.56540	0.66635	0.54473	0.64303	0.60618
1.00	1.42725	1.20229	1.57761	1.07867	1.38195	1.30341	55.00	0.58608	0.55757	0.65750	0.53715	0.63442	0.59801
1.10	1.36624	1.15786	1.50555	1.04543	1.32442	1.25191	60.00	0.57868	0.55050	0.64951	0.53032	0.62664	0.59062
1.20	1.31576	1.12033	1.44470	1.01793	1.27677	1.20892	65.00	0.57195	0.54407	0.64222	0.52409	0.61955	0.58389
1.30	1.26965	1.08882	1.39328	0.99468	1.23692	1.17239	70.00	0.56578	0.53817	0.63552	0.51839	0.61304	0.57771
1.40	1.22972	1.06197	1.34860	0.97478	1.20311	1.14112	75.00	0.56009	0.53274	0.62934	0.51313	0.60702	0.57200
1.50	1.19590	1.03880	1.30949	0.95752	1.17404	1.11414	80.00	0.55482	0.52770	0.62360	0.50825	0.60143	0.56671
1.60	1.16694	1.01856	1.27553	0.94240	1.14874	1.09064	85.00	0.54991	0.52300	0.61824	0.50370	0.59622	0.56177
1.70	1.14089	1.00061	1.24576	0.92896	1.12655	1.06996	90.00	0.54531	0.51860	0.61322	0.49945	0.59134	0.55714
1.80	1.11734	0.98458	1.21934	0.91692	1.10697	1.05158	95.00	0.54099	0.51447	0.60850	0.49546	0.58675	0.55280
1.90	1.09644	0.97031	1.19586	0.90604	1.08958	1.03514	100.00	0.53693	0.51058	0.60405	0.49170	0.58243	0.54870
2.00	1.07744	0.95742	1.17471	0.89615	1.07401	1.02035	125.00	0.51955	0.49397	0.58499	0.47563	0.56390	0.53116
2.20	1.04470	0.93510	1.13812	0.87876	1.04722	0.99481	150.00	0.50572	0.48075	0.56977	0.46285	0.54912	0.51718
2.40	1.01736	0.91621	1.10775	0.86392	1.02495	0.97339	175.00	0.49429	0.46983	0.55715	0.45230	0.53688	0.50560
2.60	0.99379	0.89998	1.08229	0.85097	1.00596	0.95532	200.00	0.48458	0.46055	0.54640	0.44333	0.52645	0.49575
2.80	0.97349	0.88585	1.06057	0.83953	0.98967	0.93965							
3.00	0.95590	0.87337	1.04169	0.82931	0.97545	0.92591							
3.20	0.94049	0.86223	1.02511	0.82008	0.96289	0.91374							
3.40	0.92668	0.85220	1.01042	0.81168	0.95163	0.90286							
3.60	0.91417	0.84310	0.99730	0.80398	0.94146	0.89305							
3.80	0.90284	0.83478	0.98549	0.79687	0.93224	0.88412							
4.00	0.89256	0.82712	0.97476	0.79027	0.92380	0.87593							
4.50	0.87040	0.81029	0.95185	0.77560	0.90539	0.85813							
5.00	0.85202	0.79602	0.93302	0.76299	0.88998	0.84316							
5.50	0.83649	0.78367	0.91712	0.75193	0.87672	0.83032							
6.00	0.82308	0.77281	0.90342	0.74210	0.86511	0.81908							
6.50	0.81129	0.76311	0.89145	0.73325	0.85479	0.80909							
7.00	0.80078	0.75436	0.88079	0.72521	0.84551	0.80011							
7.50	0.79132	0.74640	0.87120	0.71785	0.83707	0.79196							
8.00	0.78273	0.73910	0.86251	0.71106	0.82934	0.78449							
8.50	0.77488	0.73235	0.85456	0.70477	0.82220	0.77760							
9.00	0.76767	0.72609	0.84724	0.69891	0.81558	0.77122							
9.50	0.76100	0.72025	0.84046	0.69342	0.80941	0.76526							
10.00	0.75478	0.71478	0.83414	0.68826	0.80362	0.75969							
11.00	0.74352	0.70477	0.82268	0.67880	0.79303	0.74950							
12.00	0.73355	0.69581	0.81248	0.67029	0.78354	0.74037							
13.00	0.72460	0.68770	0.80331	0.66257	0.77494	0.73211							
14.00	0.71648	0.68030	0.79497	0.65550	0.76708	0.72457							

Collision integrals for the (13, 6, 8) potential function for $\gamma = 0.4$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.71289	3.30250	3.83618	3.02499	3.52566	3.49982	15.00	0.71333	0.67805	0.79118	0.65370	0.76398	0.72189
0.15	3.24195	2.87009	3.36751	2.61488	3.10097	3.03860	16.00	0.70655	0.67180	0.78420	0.64771	0.75733	0.71551
0.20	2.93053	2.57815	3.07606	2.32287	2.83316	2.72573	17.00	0.70027	0.66598	0.77772	0.64212	0.75115	0.70958
0.25	2.69597	2.34887	2.86383	2.09154	2.63056	2.48757	18.00	0.69443	0.66055	0.77167	0.63690	0.74536	0.70403
0.30	2.50738	2.16148	2.69389	1.90453	2.45884	2.29688	19.00	0.68896	0.65545	0.76600	0.63199	0.73992	0.69882
0.35	2.34730	2.00419	2.54684	1.75405	2.30742	2.14074	20.00	0.68383	0.65066	0.76067	0.62737	0.73479	0.69391
0.40	2.21134	1.87327	2.41787	1.63188	2.17298	2.00962	22.00	0.67443	0.64184	0.75087	0.61887	0.72535	0.68488
0.45	2.09307	1.76160	2.30129	1.53186	2.05595	1.89780	24.00	0.66598	0.63389	0.74204	0.61120	0.71682	0.67672
0.50	1.98987	1.66868	2.19740	1.45104	1.94797	1.80310	26.00	0.65833	0.62666	0.73401	0.60421	0.70905	0.66929
0.55	1.89936	1.58701	2.10134	1.38254	1.85397	1.71982	28.00	0.65133	0.62004	0.72664	0.59781	0.70191	0.66248
0.60	1.81925	1.51881	2.01698	1.32636	1.77351	1.64803	30.00	0.64489	0.61393	0.71984	0.59191	0.69532	0.65618
0.65	1.74857	1.45921	1.94011	1.27834	1.70073	1.58499	32.00	0.63892	0.60827	0.71353	0.58643	0.68919	0.65034
0.70	1.68532	1.40624	1.86829	1.23695	1.63671	1.52893	34.00	0.63337	0.60299	0.70765	0.58132	0.68348	0.64489
0.75	1.62941	1.36046	1.80543	1.20088	1.58012	1.47859	36.00	0.62819	0.59805	0.70214	0.57654	0.67812	0.63978
0.80	1.57755	1.32153	1.74961	1.17014	1.52991	1.43456	38.00	0.62332	0.59342	0.69696	0.57205	0.67308	0.63498
0.85	1.53210	1.28637	1.69720	1.14319	1.48492	1.39539	40.00	0.61873	0.58905	0.69207	0.56782	0.66833	0.63045
0.90	1.49084	1.25419	1.64891	1.11917	1.44466	1.35989	45.00	0.60833	0.57912	0.68095	0.55821	0.65751	0.62015
0.95	1.45347	1.22545	1.60541	1.09779	1.40872	1.32776	50.00	0.59916	0.57037	0.67113	0.54973	0.64794	0.61105
1.00	1.41816	1.19944	1.56587	1.07862	1.37634	1.29865	55.00	0.59098	0.56254	0.66233	0.54216	0.63937	0.60290
1.10	1.35741	1.15587	1.49614	1.04584	1.32030	1.24822	60.00	0.58360	0.55549	0.65437	0.53532	0.63163	0.59554
1.20	1.30837	1.11934	1.43687	1.01872	1.27352	1.20619	65.00	0.57689	0.54906	0.64712	0.52910	0.62457	0.58883
1.30	1.26502	1.08850	1.38681	0.99583	1.23440	1.17046	70.00	0.57073	0.54317	0.64046	0.52340	0.61808	0.58267
1.40	1.22657	1.06188	1.34335	0.97617	1.20116	1.13977	75.00	0.56505	0.53774	0.63430	0.51814	0.61209	0.57698
1.50	1.19233	1.03909	1.30526	0.95914	1.17262	1.11326	80.00	0.55979	0.53270	0.62859	0.51325	0.60652	0.57170
1.60	1.16370	1.01915	1.27184	0.94418	1.14778	1.09013	85.00	0.55488	0.52800	0.62325	0.50871	0.60133	0.56677
1.70	1.13859	1.00154	1.24262	0.93092	1.12596	1.06980	90.00	0.55029	0.52360	0.61825	0.50445	0.59646	0.56216
1.80	1.11573	0.98579	1.21675	0.91903	1.10666	1.05174	95.00	0.54597	0.51947	0.61355	0.50045	0.59189	0.55782
1.90	1.09524	0.97165	1.19368	0.90829	1.08950	1.03557	100.00	0.54191	0.51558	0.60912	0.49668	0.58757	0.55373
2.00	1.07663	0.95896	1.17298	0.89851	1.07414	1.02100	125.00	0.52454	0.49895	0.59011	0.48059	0.56908	0.53620
2.20	1.04445	0.93689	1.13716	0.88133	1.04774	0.99582	150.00	0.51070	0.48571	0.57492	0.46778	0.55431	0.52222
2.40	1.01756	0.91829	1.10726	0.86666	1.02580	0.97469	175.00	0.49926	0.47476	0.56232	0.45719	0.54207	0.51063
2.60	0.99460	0.90226	1.08215	0.85386	1.00711	0.95683	200.00	0.48953	0.46545	0.55158	0.44818	0.53164	0.50076
2.80	0.97451	0.88830	1.06074	0.84255	0.99096	0.94142							
3.00	0.95721	0.87598	1.04219	0.83244	0.97694	0.92786							
3.20	0.94192	0.86497	1.02587	0.82331	0.96453	0.91584							
3.40	0.92840	0.85506	1.01140	0.81500	0.95345	0.90509							
3.60	0.91614	0.84605	0.99847	0.80738	0.94342	0.89540							
3.80	0.90497	0.83782	0.98681	0.80035	0.93430	0.88659							
4.00	0.89480	0.83025	0.97625	0.79382	0.92597	0.87851							
4.50	0.87295	0.81361	0.95363	0.77930	0.90781	0.86092							
5.00	0.85480	0.79950	0.93505	0.76681	0.89260	0.84614							
5.50	0.83943	0.78728	0.91939	0.75586	0.87952	0.83344							
6.00	0.82619	0.77652	0.90586	0.74612	0.86806	0.82234							
6.50	0.81454	0.76692	0.89403	0.73736	0.85787	0.81247							
7.00	0.80416	0.75826	0.88353	0.72939	0.84870	0.80358							
7.50	0.79481	0.75037	0.87407	0.72209	0.84037	0.79552							
8.00	0.78632	0.74314	0.86548	0.71536	0.83273	0.78813							
8.50	0.77855	0.73645	0.85763	0.70912	0.82568	0.78132							
9.00	0.77140	0.73025	0.85041	0.70330	0.81914	0.77500							
9.50	0.76479	0.72446	0.84371	0.69785	0.81303	0.76911							
10.00	0.75865	0.71903	0.83747	0.69273	0.80731	0.76359							
11.00	0.74749	0.70910	0.82614	0.68333	0.79684	0.75349							
12.00	0.73760	0.70021	0.81606	0.67488	0.78744	0.74445							
13.00	0.72874	0.69216	0.80699	0.66720	0.77893	0.73626							
14.00	0.72069	0.68481	0.79874	0.66018	0.77114	0.72877							

Collision integrals for the (13, 6, 8) potential function for $\gamma = 0.8$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.55838	3.18092	3.70224	2.92010	3.40770	3.37341	15.00	0.71713	0.68211	0.79459	0.65791	0.76765	0.72569
0.15	3.12171	2.77827	3.26268	2.53943	3.00786	2.94388	16.00	0.71040	0.67589	0.78768	0.65194	0.76107	0.71936
0.20	2.83279	2.50508	2.98453	2.26884	2.75596	2.65234	17.00	0.70417	0.67011	0.78126	0.64638	0.75493	0.71347
0.25	2.61579	2.29300	2.78549	2.05313	2.56602	2.42978	18.00	0.69836	0.66470	0.77527	0.64117	0.74919	0.70796
0.30	2.43915	2.11764	2.62551	1.87741	2.40546	2.25105	19.00	0.69293	0.65963	0.76965	0.63629	0.74380	0.70278
0.35	2.29087	1.97052	2.48843	1.73396	2.26410	2.10292	20.00	0.68783	0.65486	0.76437	0.63169	0.73871	0.69791
0.40	2.16315	1.84616	2.36686	1.61801	2.13839	1.97976	22.00	0.67849	0.64608	0.75465	0.62321	0.72934	0.68893
0.45	2.05186	1.74115	2.25797	1.52160	2.02258	1.87320	24.00	0.67009	0.63817	0.74589	0.61557	0.72087	0.68082
0.50	1.95480	1.65092	2.15808	1.44339	1.92457	1.78240	26.00	0.66247	0.63097	0.73792	0.60861	0.71315	0.67343
0.55	1.86851	1.57362	2.06981	1.37621	1.83302	1.70183	28.00	0.65551	0.62437	0.73061	0.60222	0.70606	0.66665
0.60	1.79298	1.50670	1.98654	1.32078	1.75589	1.63205	30.00	0.64910	0.61828	0.72386	0.59633	0.69951	0.66039
0.65	1.72553	1.44977	1.91571	1.27473	1.68642	1.57215	32.00	0.64316	0.61264	0.71759	0.59086	0.69342	0.65457
0.70	1.66501	1.39879	1.84660	1.23402	1.62405	1.51780	34.00	0.63763	0.60738	0.71175	0.58577	0.68773	0.64915
0.75	1.61148	1.35386	1.78505	1.19885	1.56934	1.46938	36.00	0.63247	0.60245	0.70627	0.58100	0.68240	0.64406
0.80	1.56286	1.31493	1.73155	1.16833	1.52082	1.42611	38.00	0.62762	0.59783	0.70112	0.57651	0.67739	0.63928
0.85	1.51775	1.28154	1.68179	1.14190	1.47698	1.38807	40.00	0.62305	0.59347	0.69627	0.57229	0.67266	0.63477
0.90	1.47802	1.25075	1.63548	1.11845	1.43784	1.35378	45.00	0.61268	0.58356	0.68521	0.56269	0.66189	0.62451
0.95	1.44209	1.22235	1.59295	1.09736	1.40266	1.32247	50.00	0.60354	0.57482	0.67543	0.55421	0.65236	0.61543
1.00	1.40937	1.19702	1.55461	1.07846	1.37100	1.29403	55.00	0.59538	0.56701	0.66668	0.54664	0.64383	0.60731
1.10	1.34918	1.15375	1.48703	1.04611	1.31635	1.24466	60.00	0.58801	0.55996	0.65876	0.53981	0.63611	0.59997
1.20	1.30044	1.11827	1.42948	1.01937	1.27047	1.20351	65.00	0.58131	0.55354	0.65154	0.53358	0.62907	0.59327
1.30	1.26005	1.08773	1.38030	0.99678	1.23200	1.16855	70.00	0.57517	0.54765	0.64490	0.52788	0.62260	0.58712
1.40	1.22245	1.06172	1.33820	0.97740	1.19935	1.13845	75.00	0.56949	0.54221	0.63877	0.52261	0.61663	0.58144
1.50	1.18939	1.03924	1.30118	0.96053	1.17123	1.11235	80.00	0.56423	0.53717	0.63307	0.51773	0.61107	0.57617
1.60	1.16056	1.01961	1.26838	0.94574	1.14681	1.08960	85.00	0.55933	0.53247	0.62775	0.51317	0.60589	0.57124
1.70	1.13597	1.00225	1.23964	0.93263	1.12535	1.06957	90.00	0.55474	0.52807	0.62277	0.50891	0.60103	0.56663
1.80	1.11403	0.98679	1.21430	0.92089	1.10633	1.05180	95.00	0.55043	0.52394	0.61808	0.50491	0.59647	0.56230
1.90	1.09384	0.97284	1.19163	0.91027	1.08940	1.03588	100.00	0.54637	0.52005	0.61365	0.50113	0.59216	0.55821
2.00	1.07560	0.96023	1.17123	0.90060	1.07424	1.02153	125.00	0.52899	0.50340	0.59468	0.48500	0.57369	0.54069
2.20	1.04405	0.93843	1.13617	0.88361	1.04817	0.99670	150.00	0.51515	0.49013	0.57952	0.47216	0.55893	0.52670
2.40	1.01763	0.92010	1.10678	0.86910	1.02642	0.97589	175.00	0.50369	0.47916	0.56692	0.46154	0.54668	0.51510
2.60	0.99508	0.90428	1.08200	0.85644	1.00806	0.95819	200.00	0.49395	0.46983	0.55619	0.45251	0.53624	0.50522
2.80	0.97549	0.89046	1.06086	0.84524	0.99217	0.94294							
3.00	0.95820	0.87828	1.04257	0.83523	0.97829	0.92958							
3.20	0.94315	0.86741	1.02651	0.82620	0.96602	0.91771							
3.40	0.92981	0.85759	1.01224	0.81797	0.95505	0.90709							
3.60	0.91781	0.84869	0.99949	0.81043	0.94516	0.89750							
3.80	0.90684	0.84053	0.98801	0.80346	0.93616	0.88879							
4.00	0.89679	0.83304	0.97757	0.79699	0.92792	0.88080							
4.50	0.87517	0.81657	0.95521	0.78260	0.90998	0.86340							
5.00	0.85727	0.80260	0.93687	0.77023	0.89493	0.84879							
5.50	0.84206	0.79050	0.92138	0.75938	0.88200	0.83622							
6.00	0.82895	0.77984	0.90804	0.74972	0.87068	0.82523							
6.50	0.81743	0.77032	0.89634	0.74102	0.86060	0.81546							
7.00	0.80717	0.76174	0.88595	0.73311	0.85153	0.80667							
7.50	0.79792	0.75392	0.87660	0.72587	0.84329	0.79868							
8.00	0.78952	0.74674	0.86812	0.71919	0.83574	0.79136							
8.50	0.78182	0.74011	0.86036	0.71299	0.82876	0.78462							
9.00	0.77473	0.73395	0.85321	0.70721	0.82229	0.77836							
9.50	0.76818	0.72821	0.84658	0.70180	0.81624	0.77251							
10.00	0.76208	0.72282	0.84041	0.69671	0.81058	0.76704							
11.00	0.75103	0.71296	0.82920	0.68737	0.80021	0.75704							
12.00	0.74122	0.70413	0.81923	0.67897	0.79091	0.74807							
13.00	0.73242	0.69613	0.81025	0.67133	0.78247	0.73994							
14.00	0.72444	0.68883	0.80208	0.66435	0.77476	0.73252							

Collision integrals for the (13, 6, 8) potential function for $\gamma = 1.0$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.48468	3.11960	3.63461	2.87009	3.35159	3.31262	15.00	0.71889	0.68399	0.79618	0.65985	0.76936	0.72745
0.15	3.06246	2.73264	3.20592	2.50420	2.96199	2.89980	16.00	0.71219	0.67779	0.78929	0.65390	0.76280	0.72114
0.20	2.78593	2.47147	2.93905	2.24233	2.71649	2.61700	17.00	0.70597	0.67202	0.78290	0.64835	0.75669	0.71527
0.25	2.57597	2.26531	2.74523	2.03442	2.53341	2.40211	18.00	0.70018	0.66663	0.77694	0.64316	0.75097	0.70978
0.30	2.40739	2.09641	2.59119	1.86424	2.37881	2.22907	19.00	0.69477	0.66157	0.77134	0.63828	0.74559	0.70462
0.35	2.26330	1.95390	2.45883	1.72485	2.24177	2.08597	20.00	0.68969	0.65681	0.76608	0.63369	0.74053	0.69976
0.40	2.13977	1.83316	2.34146	1.61104	2.11919	1.96546	22.00	0.68037	0.64805	0.75640	0.62523	0.73119	0.69080
0.45	2.03194	1.73110	2.23635	1.51569	2.00768	1.85994	24.00	0.67199	0.64015	0.74767	0.61759	0.72275	0.68272
0.50	1.93769	1.64155	2.13873	1.43918	1.91199	1.77209	26.00	0.66439	0.63296	0.73973	0.61064	0.71505	0.67535
0.55	1.85431	1.56705	2.05316	1.37332	1.82341	1.69321	28.00	0.65745	0.62638	0.73245	0.60426	0.70798	0.66859
0.60	1.78034	1.50041	1.97199	1.31826	1.74643	1.62485	30.00	0.65105	0.62030	0.72572	0.59838	0.70145	0.66234
0.65	1.71424	1.44477	1.90188	1.27269	1.67938	1.56554	32.00	0.64512	0.61466	0.71947	0.59292	0.69537	0.65653
0.70	1.65571	1.39541	1.83673	1.23280	1.61832	1.51259	34.00	0.63961	0.60941	0.71365	0.58782	0.68970	0.65112
0.75	1.60206	1.35042	1.77523	1.19789	1.56412	1.46492	36.00	0.63445	0.60449	0.70819	0.58306	0.68439	0.64604
0.80	1.55544	1.31195	1.72174	1.16751	1.51615	1.42224	38.00	0.62961	0.59987	0.70305	0.57858	0.67939	0.64127
0.85	1.51154	1.27882	1.67394	1.14122	1.47326	1.38445	40.00	0.62505	0.59551	0.69821	0.57436	0.67467	0.63677
0.90	1.47138	1.24892	1.62916	1.11801	1.43460	1.35069	45.00	0.61469	0.58561	0.68718	0.56476	0.66392	0.62652
0.95	1.43657	1.22097	1.58715	1.09718	1.39978	1.31995	50.00	0.60557	0.57688	0.67743	0.55629	0.65441	0.61746
1.00	1.40448	1.19588	1.54918	1.07837	1.36837	1.29182	55.00	0.59741	0.56907	0.66869	0.54872	0.64589	0.60935
1.10	1.34554	1.15272	1.48264	1.04622	1.31432	1.24300	60.00	0.59006	0.56202	0.66079	0.54188	0.63819	0.60201
1.20	1.29683	1.11761	1.42595	1.01965	1.26908	1.20218	65.00	0.58336	0.55561	0.65358	0.53566	0.63116	0.59532
1.30	1.25706	1.08748	1.37727	0.99720	1.23084	1.16760	70.00	0.57722	0.54972	0.64696	0.52995	0.62470	0.58918
1.40	1.22076	1.06167	1.33560	0.97794	1.19845	1.13781	75.00	0.57155	0.54428	0.64083	0.52468	0.61873	0.58350
1.50	1.18800	1.03928	1.29913	0.96117	1.17055	1.11193	80.00	0.56629	0.53924	0.63514	0.51979	0.61318	0.57823
1.60	1.15919	1.01979	1.26683	0.94647	1.14634	1.08933	85.00	0.56139	0.53454	0.62983	0.51524	0.60800	0.57331
1.70	1.13462	1.00255	1.23824	0.93341	1.12505	1.06944	90.00	0.55680	0.53014	0.62485	0.51097	0.60315	0.56870
1.80	1.11299	0.98720	1.21304	0.92173	1.10617	1.05180	95.00	0.55249	0.52601	0.62017	0.50697	0.59859	0.56437
1.90	1.09324	0.97339	1.19061	0.91118	1.08935	1.03600	100.00	0.54843	0.52212	0.61575	0.50319	0.59428	0.56028
2.00	1.07505	0.96083	1.17039	0.90156	1.07427	1.02176	125.00	0.53106	0.50545	0.59680	0.48705	0.57582	0.54277
2.20	1.04383	0.93914	1.13562	0.88465	1.04836	0.99710	150.00	0.51721	0.49218	0.58164	0.47419	0.56106	0.52877
2.40	1.01763	0.92091	1.10655	0.87022	1.02672	0.97644	175.00	0.50575	0.48119	0.56905	0.46355	0.54881	0.51717
2.60	0.99525	0.90520	1.08191	0.85762	1.00857	0.95878	200.00	0.49599	0.47185	0.55832	0.45450	0.53837	0.50728
2.80	0.97589	0.89146	1.06089	0.84648	0.99273	0.94364							
3.00	0.95871	0.87934	1.04273	0.83652	0.97887	0.93039							
3.20	0.94376	0.86852	1.02680	0.82753	0.96668	0.91858							
3.40	0.93043	0.85876	1.01264	0.81934	0.95578	0.90802							
3.60	0.91854	0.84989	0.99995	0.81183	0.94597	0.89847							
3.80	0.90768	0.84179	0.98853	0.80489	0.93702	0.88980							
4.00	0.89770	0.83432	0.97816	0.79845	0.92882	0.88186							
4.50	0.87618	0.81794	0.95593	0.78413	0.91099	0.86454							
5.00	0.85841	0.80403	0.93771	0.77181	0.89600	0.85001							
5.50	0.84327	0.79199	0.92231	0.76100	0.88316	0.83751							
6.00	0.83021	0.78137	0.90905	0.75138	0.87189	0.82657							
6.50	0.81876	0.77190	0.89740	0.74271	0.86186	0.81684							
7.00	0.80855	0.76335	0.88706	0.73484	0.85284	0.80809							
7.50	0.79935	0.75556	0.87779	0.72762	0.84464	0.80014							
8.00	0.79099	0.74841	0.86935	0.72096	0.83713	0.79286							
8.50	0.78333	0.74180	0.86162	0.71478	0.83019	0.78614							
9.00	0.77628	0.73567	0.85450	0.70902	0.82375	0.77991							
9.50	0.76974	0.72994	0.84791	0.70363	0.81773	0.77409							
10.00	0.76367	0.72457	0.84177	0.69855	0.81209	0.76864							
11.00	0.75267	0.71475	0.83062	0.68924	0.80177	0.75868							
12.00	0.74289	0.70594	0.82070	0.68086	0.79251	0.74974							
13.00	0.73412	0.69797	0.81176	0.67325	0.78412	0.74165							
14.00	0.72617	0.69069	0.80363	0.66628	0.77643	0.73426							

Collision integrals for the (13, 6, 8) potential function for $\gamma = 1.5$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.29617	2.96797	3.46500	2.74618	3.21013	3.16172	15.00	0.72294	0.68832	0.79982	0.66434	0.77329	0.73150
0.15	2.91811	2.62039	3.07285	2.41444	2.85019	2.78637	16.00	0.71629	0.68216	0.79301	0.65841	0.76679	0.72524
0.20	2.66796	2.38466	2.82867	2.17827	2.62450	2.53043	17.00	0.71013	0.67642	0.78668	0.65289	0.76073	0.71942
0.25	2.47960	2.19892	2.65151	1.98849	2.45641	2.33390	18.00	0.70438	0.67106	0.78078	0.64772	0.75506	0.71397
0.30	2.32531	2.04418	2.50954	1.83068	2.31430	2.17385	19.00	0.69901	0.66603	0.77524	0.64287	0.74974	0.70885
0.35	2.19579	1.91294	2.38827	1.70079	2.18896	2.04106	20.00	0.69396	0.66130	0.77002	0.63829	0.74471	0.70402
0.40	2.08243	1.80018	2.27985	1.59227	2.07472	1.92726	22.00	0.68469	0.65258	0.76044	0.62987	0.73545	0.69513
0.45	1.98309	1.70435	2.18282	1.50339	1.97349	1.83071	24.00	0.67637	0.64472	0.75178	0.62226	0.72707	0.68709
0.50	1.89572	1.62119	2.09383	1.42828	1.88333	1.74573	26.00	0.66882	0.63756	0.74391	0.61533	0.71943	0.67977
0.55	1.81802	1.55012	2.01313	1.36668	1.80043	1.67299	28.00	0.66191	0.63100	0.73668	0.60897	0.71241	0.67304
0.60	1.74842	1.48732	1.93886	1.31246	1.72564	1.60690	30.00	0.65554	0.62494	0.73001	0.60310	0.70592	0.66683
0.65	1.68684	1.43252	1.87037	1.26745	1.66138	1.54965	32.00	0.64964	0.61932	0.72381	0.59765	0.69988	0.66105
0.70	1.63125	1.38580	1.81041	1.22945	1.60412	1.49956	34.00	0.64415	0.61409	0.71802	0.59257	0.69425	0.65566
0.75	1.58134	1.34354	1.75343	1.19547	1.55180	1.45398	36.00	0.63902	0.60918	0.71260	0.58781	0.68896	0.65061
0.80	1.53567	1.30519	1.70059	1.16575	1.50542	1.41300	38.00	0.63420	0.60457	0.70750	0.58334	0.68399	0.64586
0.85	1.49550	1.27221	1.65428	1.13962	1.46396	1.37604	40.00	0.62965	0.60023	0.70269	0.57912	0.67930	0.64138
0.90	1.45747	1.24357	1.61250	1.11683	1.42667	1.34318	45.00	0.61934	0.59035	0.69173	0.56953	0.66860	0.63117
0.95	1.42240	1.21749	1.57328	1.09653	1.39292	1.31360	50.00	0.61023	0.58163	0.68203	0.56107	0.65914	0.62214
1.00	1.39212	1.19295	1.53635	1.07819	1.36238	1.28655	55.00	0.60210	0.57383	0.67334	0.55350	0.65065	0.61405
1.10	1.33737	1.15049	1.47187	1.04646	1.30959	1.23896	60.00	0.59476	0.56679	0.66547	0.54667	0.64297	0.60673
1.20	1.28872	1.11584	1.41727	1.02024	1.26558	1.19907	65.00	0.58808	0.56038	0.65830	0.54044	0.63597	0.60006
1.30	1.24915	1.08673	1.37019	0.99813	1.22821	1.16526	70.00	0.58195	0.55449	0.65170	0.53473	0.62952	0.59393
1.40	1.21575	1.06127	1.32936	0.97915	1.19633	1.13620	75.00	0.57629	0.54906	0.64560	0.52946	0.62357	0.58826
1.50	1.18437	1.03938	1.29411	0.96264	1.16899	1.11088	80.00	0.57104	0.54402	0.63993	0.52456	0.61804	0.58300
1.60	1.15641	1.02014	1.26287	0.94809	1.14517	1.08867	85.00	0.56614	0.53931	0.63463	0.52000	0.61287	0.57808
1.70	1.13159	1.00321	1.23501	0.93520	1.12429	1.06912	90.00	0.56156	0.53491	0.62967	0.51573	0.60803	0.57348
1.80	1.11027	0.98810	1.21020	0.92365	1.10576	1.05176	95.00	0.55725	0.53078	0.62500	0.51172	0.60347	0.56915
1.90	1.09132	0.97453	1.18817	0.91324	1.08921	1.03624	100.00	0.55319	0.52688	0.62059	0.50794	0.59917	0.56506
2.00	1.07392	0.96223	1.16845	0.90375	1.07435	1.02225	125.00	0.53581	0.51019	0.60168	0.49175	0.58073	0.54755
2.20	1.04322	0.94075	1.13433	0.88705	1.04878	0.99799	150.00	0.52195	0.49689	0.58654	0.47886	0.56598	0.53355
2.40	1.01752	0.92274	1.10591	0.87278	1.02738	0.97768	175.00	0.51047	0.48588	0.57396	0.46819	0.55373	0.52193
2.60	0.99559	0.90729	1.08173	0.86033	1.00947	0.96027	200.00	0.50070	0.47651	0.56323	0.45911	0.54328	0.51203
2.80	0.97660	0.89374	1.06099	0.84933	0.99401	0.94523							
3.00	0.95993	0.88176	1.04307	0.83948	0.98033	0.93216							
3.20	0.94499	0.87107	1.02739	0.83058	0.96823	0.92056							
3.40	0.93190	0.86144	1.01349	0.82248	0.95749	0.91013							
3.60	0.92012	0.85268	1.00102	0.81505	0.94778	0.90072							
3.80	0.90951	0.84466	0.98976	0.80819	0.93898	0.89213							
4.00	0.89976	0.83728	0.97954	0.80182	0.93090	0.88429							
4.50	0.87851	0.82107	0.95762	0.78765	0.91328	0.86719							
5.00	0.86098	0.80733	0.93962	0.77545	0.89849	0.85282							
5.50	0.84604	0.79541	0.92443	0.76474	0.88579	0.84048							
6.00	0.83313	0.78490	0.91134	0.75521	0.87468	0.82965							
6.50	0.82181	0.77552	0.89986	0.74662	0.86478	0.82003							
7.00	0.81173	0.76705	0.88964	0.73881	0.85586	0.81138							
7.50	0.80264	0.75933	0.88047	0.73165	0.84776	0.80351							
8.00	0.79437	0.75225	0.87216	0.72504	0.84033	0.79631							
8.50	0.78680	0.74570	0.86453	0.71891	0.83347	0.78966							
9.00	0.77982	0.73962	0.85750	0.71320	0.82710	0.78348							
9.50	0.77335	0.73394	0.85098	0.70784	0.82116	0.77773							
10.00	0.76733	0.72861	0.84491	0.70280	0.81558	0.77233							
11.00	0.75643	0.71887	0.83389	0.69355	0.80537	0.76246							
12.00	0.74675	0.71013	0.82408	0.68523	0.79621	0.75361							
13.00	0.73805	0.70221	0.81524	0.67766	0.78790	0.74559							
14.00	0.73016	0.69498	0.80720	0.67073	0.78029	0.73825							

Collision integrals for the (13, 6, 8) potential function for $\gamma = 2.0$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.11009	2.82122	3.29799	2.62472	3.06897	3.01282	15.00	0.72658	0.69221	0.80310	0.66837	0.77682	0.73515
0.15	2.77688	2.51426	2.94744	2.32911	2.74335	2.67844	16.00	0.71998	0.68608	0.79636	0.66247	0.77038	0.72894
0.20	2.55523	2.30167	2.72268	2.11694	2.53692	2.44749	17.00	0.71386	0.68038	0.79009	0.65697	0.76437	0.72315
0.25	2.38690	2.13503	2.56140	1.94392	2.38284	2.26827	18.00	0.70815	0.67505	0.78423	0.65183	0.75875	0.71774
0.30	2.24770	1.99363	2.43132	1.79898	2.25362	2.12172	19.00	0.70281	0.67005	0.77874	0.64699	0.75346	0.71265
0.35	2.13004	1.87318	2.32065	1.67734	2.13843	1.99844	20.00	0.69779	0.66533	0.77357	0.64243	0.74848	0.70786
0.40	2.02668	1.76907	2.22181	1.57539	2.03375	1.89283	22.00	0.68859	0.65665	0.76407	0.63404	0.73928	0.69902
0.45	1.93580	1.67908	2.13217	1.49091	1.93949	1.80250	24.00	0.68031	0.64882	0.75548	0.62645	0.73096	0.69103
0.50	1.85482	1.60137	2.05040	1.41837	1.85231	1.72130	26.00	0.67279	0.64169	0.74767	0.61954	0.72337	0.68375
0.55	1.78290	1.53239	1.97389	1.35886	1.77658	1.65250	28.00	0.66592	0.63516	0.74049	0.61320	0.71640	0.67705
0.60	1.71830	1.47412	1.90598	1.30758	1.70699	1.59050	30.00	0.65958	0.62912	0.73387	0.60734	0.70994	0.67087
0.65	1.66028	1.42133	1.84156	1.26306	1.64451	1.53518	32.00	0.65371	0.62352	0.72771	0.60191	0.70394	0.66512
0.70	1.60790	1.37602	1.78402	1.22544	1.58967	1.48647	34.00	0.64824	0.61829	0.72196	0.59683	0.69834	0.65976
0.75	1.56120	1.33605	1.73170	1.19317	1.54038	1.44352	36.00	0.64313	0.61340	0.71657	0.59208	0.69308	0.65473
0.80	1.51766	1.29964	1.68197	1.16400	1.49531	1.40403	38.00	0.63832	0.60881	0.71151	0.58762	0.68813	0.64999
0.85	1.47850	1.26668	1.63629	1.13840	1.45524	1.36849	40.00	0.63379	0.60447	0.70672	0.58341	0.68346	0.64553
0.90	1.44355	1.23799	1.59572	1.11567	1.41905	1.33623	45.00	0.62351	0.59461	0.69582	0.57383	0.67281	0.63535
0.95	1.41047	1.21298	1.55893	1.09573	1.38640	1.30740	50.00	0.61443	0.58590	0.68617	0.56537	0.66338	0.62635
1.00	1.37972	1.19011	1.52445	1.07781	1.35674	1.28129	55.00	0.60632	0.57811	0.67752	0.55780	0.65493	0.61828
1.10	1.32777	1.14858	1.46186	1.04664	1.30515	1.23517	60.00	0.59900	0.57108	0.66969	0.55097	0.64728	0.61098
1.20	1.28216	1.11415	1.40894	1.02075	1.26222	1.19619	65.00	0.59233	0.56467	0.66254	0.54474	0.64029	0.60432
1.30	1.24244	1.08564	1.36339	0.99892	1.22574	1.16307	70.00	0.58620	0.55878	0.65596	0.53902	0.63387	0.59820
1.40	1.20936	1.06102	1.32382	0.98020	1.19446	1.13461	75.00	0.58055	0.55335	0.64988	0.53375	0.62793	0.59254
1.50	1.18072	1.03928	1.28918	0.96390	1.16751	1.10985	80.00	0.57531	0.54831	0.64423	0.52885	0.62240	0.58728
1.60	1.15354	1.02042	1.25894	0.94955	1.14412	1.08807	85.00	0.57041	0.54360	0.63895	0.52428	0.61725	0.58237
1.70	1.12941	1.00372	1.23192	0.93678	1.12354	1.06881	90.00	0.56583	0.53920	0.63400	0.52001	0.61241	0.57777
1.80	1.10779	0.98886	1.20768	0.92537	1.10534	1.05172	95.00	0.56153	0.53506	0.62934	0.51599	0.60787	0.57345
1.90	1.08910	0.97548	1.18596	0.91506	1.08906	1.03643	100.00	0.55747	0.53116	0.62495	0.51220	0.60357	0.56936
2.00	1.07235	0.96338	1.16654	0.90569	1.07442	1.02266	125.00	0.54008	0.51445	0.60607	0.49599	0.58515	0.55185
2.20	1.04249	0.94222	1.13311	0.88918	1.04918	0.99877	150.00	0.52621	0.50113	0.59094	0.48306	0.57040	0.53785
2.40	1.01732	0.92439	1.10524	0.87504	1.02819	0.97871	175.00	0.51472	0.49009	0.57837	0.47236	0.55815	0.52622
2.60	0.99582	0.90910	1.08153	0.86275	1.01028	0.96160	200.00	0.50493	0.48069	0.56764	0.46325	0.54769	0.51630
2.80	0.97714	0.89576	1.06110	0.85187	0.99503	0.94673							
3.00	0.96079	0.88393	1.04339	0.84213	0.98164	0.93374							
3.20	0.94625	0.87334	1.02790	0.83332	0.96968	0.92229							
3.40	0.93314	0.86382	1.01420	0.82529	0.95900	0.91203							
3.60	0.92155	0.85516	1.00194	0.81794	0.94943	0.90271							
3.80	0.91103	0.84723	0.99085	0.81114	0.94071	0.89424							
4.00	0.90150	0.83992	0.98077	0.80484	0.93275	0.88647							
4.50	0.88061	0.82387	0.95912	0.79080	0.91534	0.86956							
5.00	0.86323	0.81027	0.94133	0.77871	0.90073	0.85534							
5.50	0.84854	0.79847	0.92634	0.76809	0.88816	0.84313							
6.00	0.83573	0.78806	0.91340	0.75864	0.87717	0.83242							
6.50	0.82452	0.77877	0.90206	0.75012	0.86739	0.82289							
7.00	0.81456	0.77037	0.89197	0.74237	0.85857	0.81432							
7.50	0.80557	0.76271	0.88289	0.73527	0.85055	0.80654							
8.00	0.79740	0.75569	0.87466	0.72871	0.84321	0.79940							
8.50	0.78991	0.74920	0.86714	0.72262	0.83642	0.79281							
9.00	0.78300	0.74316	0.86019	0.71694	0.83012	0.78670							
9.50	0.77659	0.73752	0.85374	0.71162	0.82424	0.78099							
10.00	0.77062	0.73224	0.84773	0.70662	0.81872	0.77564							
11.00	0.75980	0.72256	0.83682	0.69743	0.80861	0.76586							
12.00	0.75021	0.71388	0.82711	0.68915	0.79953	0.75708							
13.00	0.74158	0.70602	0.81837	0.68162	0.79130	0.74913							
14.00	0.73375	0.69883	0.81041	0.67473	0.78377	0.74185							

Collision integrals for the (14, 6, 8) potential function for $\gamma = 0$.

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.74955	3.32566	3.86705	3.03915	3.54853	3.52094	15.00	0.72211	0.68775	0.79790	0.66410	0.77145	0.73050
0.15	3.26393	2.88125	3.38573	2.61902	3.11145	3.04821	16.00	0.71551	0.68168	0.79111	0.65829	0.76500	0.72431
0.20	2.94285	2.58265	3.08662	2.32299	2.83822	2.72967	17.00	0.70940	0.67603	0.78481	0.65287	0.75900	0.71855
0.25	2.70426	2.35031	2.87010	2.09002	2.63203	2.48865	18.00	0.70371	0.67076	0.77894	0.64780	0.75339	0.71317
0.30	2.51194	2.16109	2.69680	1.90244	2.45773	2.29615	19.00	0.69840	0.66581	0.77344	0.64304	0.74812	0.70812
0.35	2.35046	2.00327	2.54790	1.75184	2.30468	2.13898	20.00	0.69341	0.66116	0.76827	0.63856	0.74315	0.70336
0.40	2.21255	1.87150	2.41698	1.63041	2.16993	2.00788	22.00	0.68427	0.65260	0.75876	0.63032	0.73401	0.69460
0.45	2.09367	1.76039	2.29971	1.53098	2.05302	1.89598	24.00	0.67607	0.64489	0.75020	0.62288	0.72575	0.68670
0.50	1.98999	1.66781	2.19565	1.45037	1.94441	1.80116	26.00	0.66863	0.63788	0.74241	0.61611	0.71822	0.67950
0.55	1.89917	1.58583	2.09835	1.38228	1.85065	1.71797	28.00	0.66184	0.63146	0.73527	0.60990	0.71131	0.67290
0.60	1.81897	1.51840	2.01453	1.32673	1.77041	1.64656	30.00	0.65558	0.62553	0.72868	0.60417	0.70492	0.66680
0.65	1.74851	1.45899	1.93729	1.27895	1.69774	1.58361	32.00	0.64979	0.62004	0.72257	0.59886	0.69899	0.66114
0.70	1.68475	1.40578	1.86496	1.23773	1.63382	1.52754	34.00	0.64441	0.61492	0.71687	0.59391	0.69346	0.65585
0.75	1.62945	1.36078	1.80279	1.20216	1.57768	1.47764	36.00	0.63937	0.61013	0.71153	0.58927	0.68827	0.65091
0.80	1.57747	1.32222	1.74708	1.17171	1.52771	1.43389	38.00	0.63465	0.60564	0.70652	0.58492	0.68339	0.64625
0.85	1.53162	1.28720	1.69471	1.14503	1.48301	1.39496	40.00	0.63020	0.60140	0.70179	0.58082	0.67879	0.64187
0.90	1.49120	1.25503	1.64633	1.12122	1.44300	1.35963	45.00	0.62011	0.59177	0.69102	0.57149	0.66831	0.63188
0.95	1.45402	1.22651	1.60310	1.10001	1.40726	1.32767	50.00	0.61122	0.58328	0.68150	0.56326	0.65905	0.62306
1.00	1.41851	1.20089	1.56382	1.08109	1.37516	1.29882	55.00	0.60328	0.57569	0.67298	0.55591	0.65075	0.61516
1.10	1.35808	1.15773	1.49444	1.04867	1.31951	1.24877	60.00	0.59612	0.56884	0.66528	0.54928	0.64325	0.60802
1.20	1.30966	1.12152	1.43551	1.02187	1.27311	1.20709	65.00	0.58960	0.56261	0.65825	0.54324	0.63641	0.60151
1.30	1.26634	1.09088	1.38568	0.99926	1.23435	1.17168	70.00	0.58363	0.55689	0.65180	0.53770	0.63012	0.59553
1.40	1.22778	1.06465	1.34259	0.97983	1.20140	1.14126	75.00	0.57812	0.55162	0.64584	0.53258	0.62432	0.59001
1.50	1.19414	1.04209	1.30474	0.96302	1.17312	1.11501	80.00	0.57301	0.54672	0.64030	0.52784	0.61892	0.58489
1.60	1.16578	1.02238	1.27159	0.94828	1.14853	1.09212	85.00	0.56825	0.54216	0.63513	0.52342	0.61389	0.58011
1.70	1.14093	1.00499	1.24265	0.93521	1.12693	1.07201	90.00	0.56379	0.53789	0.63029	0.51929	0.60917	0.57563
1.80	1.11821	0.98942	1.21699	0.92349	1.10784	1.05415	95.00	0.55960	0.53388	0.62573	0.51540	0.60474	0.57142
1.90	1.09778	0.97543	1.19409	0.91291	1.09087	1.03816	100.00	0.55566	0.53010	0.62144	0.51174	0.60056	0.56745
2.00	1.07945	0.96291	1.17359	0.90328	1.07569	1.02377	125.00	0.53879	0.51393	0.60302	0.49608	0.58264	0.55044
2.20	1.04761	0.94117	1.13812	0.88638	1.04961	0.99891	150.00	0.52535	0.50106	0.58830	0.48362	0.56832	0.53686
2.40	1.02100	0.92283	1.10854	0.87196	1.02795	0.97804	175.00	0.51423	0.49041	0.57609	0.47330	0.55645	0.52561
2.60	0.99832	0.90705	1.08370	0.85939	1.00949	0.96045	200.00	0.50477	0.48135	0.56568	0.46453	0.54634	0.51602
2.80	0.97842	0.89330	1.06255	0.84830	0.99358	0.94526							
3.00	0.96132	0.88119	1.04422	0.83838	0.97977	0.93190							
3.20	0.94631	0.87036	1.02810	0.82943	0.96755	0.92008							
3.40	0.93295	0.86063	1.01381	0.82129	0.95664	0.90950							
3.60	0.92086	0.85179	1.00106	0.81383	0.94678	0.89998							
3.80	0.90985	0.84371	0.98957	0.80695	0.93781	0.89132							
4.00	0.89984	0.83628	0.97916	0.80056	0.92963	0.88339							
4.50	0.87835	0.81997	0.95689	0.78637	0.91180	0.86613							
5.00	0.86048	0.80616	0.93862	0.77417	0.89688	0.85164							
5.50	0.84541	0.79420	0.92322	0.76348	0.88407	0.83921							
6.00	0.83241	0.78369	0.90994	0.75398	0.87285	0.82835							
6.50	0.82099	0.77431	0.89834	0.74544	0.86288	0.81870							
7.00	0.81081	0.76585	0.88805	0.73768	0.85392	0.81002							
7.50	0.80166	0.75816	0.87878	0.73057	0.84579	0.80215							
8.00	0.79335	0.75110	0.87038	0.72402	0.83833	0.79494							
8.50	0.78575	0.74459	0.86270	0.71794	0.83146	0.78830							
9.00	0.77876	0.73854	0.85564	0.71228	0.82508	0.78214							
9.50	0.77231	0.73290	0.84909	0.70698	0.81913	0.77640							
10.00	0.76630	0.72761	0.84300	0.70200	0.81356	0.77102							
11.00	0.75541	0.71795	0.83194	0.69287	0.80337	0.76120							
12.00	0.74577	0.70930	0.82212	0.68466	0.79424	0.75241							
13.00	0.73712	0.70147	0.81328	0.67721	0.78596	0.74445							
14.00	0.72928	0.69432	0.80525	0.67039	0.77840	0.73718							

Collision integrals for the (14, 6, 8) potential function for $\gamma = 0.2$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.66488	3.25784	3.79321	2.98018	3.48158	3.45088	15.00	0.72430	0.69009	0.79989	0.66652	0.77358	0.73269
0.15	3.19973	2.83020	3.32862	2.57746	3.06058	2.99609	16.00	0.71773	0.68404	0.79314	0.66071	0.76716	0.72652
0.20	2.88776	2.54240	3.03605	2.29253	2.79515	2.68842	17.00	0.71165	0.67841	0.78687	0.65531	0.76118	0.72079
0.25	2.65971	2.31897	2.82606	2.06841	2.59611	2.45607	18.00	0.70598	0.67315	0.78103	0.65025	0.75559	0.71542
0.30	2.47457	2.13651	2.65882	1.88682	2.42827	2.26978	19.00	0.70068	0.66822	0.77555	0.64550	0.75034	0.71039
0.35	2.31866	1.98452	2.51541	1.74028	2.27987	2.11733	20.00	0.69571	0.66357	0.77040	0.64103	0.74539	0.70564
0.40	2.18577	1.85684	2.38900	1.62262	2.15066	1.99090	22.00	0.68660	0.65503	0.76093	0.63280	0.73628	0.69691
0.45	2.07071	1.74864	2.27611	1.52482	2.03478	1.88154	24.00	0.67843	0.64734	0.75240	0.62537	0.72804	0.68902
0.50	1.97030	1.65813	2.17336	1.44613	1.93101	1.78958	26.00	0.67101	0.64034	0.74464	0.61861	0.72054	0.68184
0.55	1.88209	1.57822	2.08023	1.37877	1.83870	1.70781	28.00	0.66423	0.63393	0.73753	0.61241	0.71365	0.67525
0.60	1.80432	1.51148	1.99697	1.32349	1.76032	1.63733	30.00	0.65799	0.62801	0.73096	0.60668	0.70728	0.66917
0.65	1.73617	1.45380	1.92354	1.27693	1.68948	1.57637	32.00	0.65222	0.62253	0.72487	0.60138	0.70137	0.66352
0.70	1.67313	1.40141	1.85228	1.23600	1.62651	1.52111	34.00	0.64684	0.61742	0.71919	0.59643	0.69585	0.65825
0.75	1.61967	1.35675	1.79113	1.20085	1.57168	1.47208	36.00	0.64182	0.61264	0.71387	0.59180	0.69068	0.65331
0.80	1.56926	1.31844	1.73677	1.17063	1.52236	1.42900	38.00	0.63710	0.60814	0.70887	0.58745	0.68582	0.64867
0.85	1.52330	1.28457	1.68585	1.14427	1.47834	1.39075	40.00	0.63266	0.60391	0.70415	0.58335	0.68123	0.64429
0.90	1.48391	1.25304	1.63859	1.12079	1.43904	1.35610	45.00	0.62259	0.59429	0.69342	0.57403	0.67078	0.63433
0.95	1.44764	1.22483	1.59605	1.09973	1.40371	1.32455	50.00	0.61371	0.58580	0.68393	0.56580	0.66154	0.62552
1.00	1.41370	1.19932	1.55765	1.08101	1.37207	1.29614	55.00	0.60578	0.57822	0.67543	0.55846	0.65326	0.61764
1.10	1.35354	1.15650	1.48905	1.04880	1.31716	1.24670	60.00	0.59863	0.57138	0.66775	0.55182	0.64578	0.61052
1.20	1.30516	1.12091	1.43126	1.02222	1.27129	1.20551	65.00	0.59212	0.56515	0.66074	0.54578	0.63896	0.60402
1.30	1.26368	1.09043	1.38191	0.99979	1.23292	1.17053	70.00	0.58615	0.55943	0.65431	0.54024	0.63269	0.59806
1.40	1.22543	1.06451	1.33970	0.98052	1.20032	1.14046	75.00	0.58064	0.55416	0.64836	0.53513	0.62689	0.59254
1.50	1.19222	1.04216	1.30230	0.96382	1.17228	1.11445	80.00	0.57554	0.54926	0.64284	0.53038	0.62151	0.58743
1.60	1.16394	1.02262	1.26953	0.94916	1.14794	1.09178	85.00	0.57078	0.54470	0.63768	0.52596	0.61649	0.58265
1.70	1.13944	1.00538	1.24090	0.93618	1.12654	1.07185	90.00	0.56632	0.54043	0.63285	0.52182	0.61178	0.57818
1.80	1.11728	0.98999	1.21557	0.92455	1.10762	1.05415	95.00	0.56214	0.53642	0.62830	0.51794	0.60736	0.57397
1.90	1.09695	0.97610	1.19287	0.91404	1.09079	1.03831	100.00	0.55819	0.53264	0.62402	0.51427	0.60318	0.57001
2.00	1.07898	0.96364	1.17256	0.90448	1.07572	1.02404	125.00	0.54132	0.51647	0.60563	0.49860	0.58528	0.55301
2.20	1.04738	0.94205	1.13752	0.88769	1.04982	0.99938	150.00	0.52788	0.50358	0.59093	0.48612	0.57097	0.53943
2.40	1.02102	0.92386	1.10822	0.87336	1.02825	0.97873	175.00	0.51675	0.49291	0.57872	0.47579	0.55910	0.52817
2.60	0.99860	0.90819	1.08359	0.86086	1.01001	0.96121	200.00	0.50728	0.48384	0.56831	0.46700	0.54898	0.51857
2.80	0.97898	0.89454	1.06258	0.84983	0.99426	0.94611							
3.00	0.96193	0.88250	1.04440	0.83997	0.98053	0.93287							
3.20	0.94698	0.87176	1.02843	0.83108	0.96838	0.92114							
3.40	0.93377	0.86207	1.01427	0.82299	0.95754	0.91064							
3.60	0.92182	0.85329	1.00163	0.81557	0.94775	0.90118							
3.80	0.91091	0.84526	0.99024	0.80873	0.93886	0.89257							
4.00	0.90096	0.83788	0.97990	0.80237	0.93073	0.88470							
4.50	0.87962	0.82167	0.95778	0.78826	0.91304	0.86755							
5.00	0.86188	0.80794	0.93964	0.77613	0.89822	0.85316							
5.50	0.84690	0.79605	0.92436	0.76550	0.88550	0.84082							
6.00	0.83399	0.78559	0.91120	0.75605	0.87437	0.83002							
6.50	0.82264	0.77627	0.89967	0.74755	0.86447	0.82043							
7.00	0.81254	0.76786	0.88944	0.73982	0.85558	0.81181							
7.50	0.80344	0.76020	0.88025	0.73275	0.84749	0.80399							
8.00	0.79518	0.75318	0.87191	0.72623	0.84009	0.79682							
8.50	0.78763	0.74669	0.86429	0.72018	0.83326	0.79022							
9.00	0.78068	0.74067	0.85727	0.71454	0.82693	0.78409							
9.50	0.77425	0.73506	0.85077	0.70926	0.82101	0.77838							
10.00	0.76828	0.72980	0.84472	0.70430	0.81547	0.77304							
11.00	0.75745	0.72018	0.83373	0.69520	0.80534	0.76326							
12.00	0.74785	0.71156	0.82397	0.68702	0.79626	0.75451							
13.00	0.73924	0.70376	0.81519	0.67959	0.78803	0.74659							
14.00	0.73144	0.69664	0.80720	0.67279	0.78050	0.73935							

Collision integrals for the (14, 6, 8) potential function for $\gamma = 0.4$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.58113	3.19181	3.72070	2.92393	3.41883	3.38319	15.00	0.72635	0.69228	0.80173	0.66878	0.77556	0.73474
0.15	3.13176	2.77977	3.27041	2.53606	3.00968	2.94437	16.00	0.71981	0.68625	0.79502	0.66299	0.76918	0.72860
0.20	2.83640	2.50228	2.98615	2.26309	2.75273	2.64873	17.00	0.71375	0.68063	0.78879	0.65760	0.76323	0.72288
0.25	2.61555	2.28821	2.78321	2.04719	2.56004	2.42449	18.00	0.70810	0.67539	0.78297	0.65255	0.75766	0.71754
0.30	2.43707	2.11244	2.62090	1.87213	2.39814	2.24520	19.00	0.70282	0.67047	0.77752	0.64781	0.75243	0.71252
0.35	2.28755	1.96550	2.48243	1.72966	2.25643	2.09714	20.00	0.69787	0.66584	0.77239	0.64335	0.74751	0.70779
0.40	2.15935	1.84162	2.36015	1.61462	2.13074	1.97424	22.00	0.68879	0.65732	0.76297	0.63513	0.73843	0.69909
0.45	2.04792	1.73728	2.25099	1.51885	2.01519	1.86781	24.00	0.68064	0.64964	0.75448	0.62772	0.73023	0.69123
0.50	1.95093	1.64739	2.15096	1.44159	1.91783	1.77772	26.00	0.67324	0.64266	0.74675	0.62097	0.72275	0.68407
0.55	1.86491	1.57095	2.06306	1.37503	1.82680	1.69755	28.00	0.66648	0.63626	0.73967	0.61477	0.71588	0.67750
0.60	1.78961	1.50437	1.97987	1.32026	1.75024	1.62836	30.00	0.66026	0.63035	0.73313	0.60906	0.70954	0.67143
0.65	1.72243	1.44815	1.90948	1.27472	1.68139	1.56893	32.00	0.65450	0.62488	0.72706	0.60376	0.70364	0.66580
0.70	1.66236	1.39766	1.84083	1.23448	1.61955	1.51505	34.00	0.64913	0.61977	0.72140	0.59882	0.69814	0.66054
0.75	1.60892	1.35305	1.77951	1.19974	1.56534	1.46708	36.00	0.64412	0.61500	0.71610	0.59419	0.69298	0.65561
0.80	1.56087	1.31462	1.72643	1.16957	1.51726	1.42421	38.00	0.63941	0.61051	0.71111	0.58984	0.68813	0.65098
0.85	1.51604	1.28159	1.67710	1.14345	1.47386	1.38652	40.00	0.63498	0.60628	0.70641	0.58574	0.68356	0.64661
0.90	1.47643	1.25115	1.63119	1.12030	1.43512	1.35259	45.00	0.62492	0.59667	0.69571	0.57643	0.67313	0.63667
0.95	1.44099	1.22303	1.58895	1.09949	1.40030	1.32161	50.00	0.61606	0.58819	0.68624	0.56821	0.66391	0.62787
1.00	1.40856	1.19804	1.55098	1.08082	1.36895	1.29345	55.00	0.60814	0.58062	0.67777	0.56086	0.65566	0.62000
1.10	1.34879	1.15524	1.48399	1.04890	1.31491	1.24464	60.00	0.60100	0.57377	0.67011	0.55422	0.64819	0.61289
1.20	1.30058	1.12020	1.42700	1.02253	1.26954	1.20395	65.00	0.59449	0.56754	0.66311	0.54818	0.64137	0.60640
1.30	1.26062	1.09004	1.37830	1.00026	1.23151	1.16940	70.00	0.58853	0.56183	0.65669	0.54264	0.63511	0.60044
1.40	1.22341	1.06438	1.33663	0.98116	1.19925	1.13968	75.00	0.58303	0.55655	0.65076	0.53752	0.62933	0.59493
1.50	1.19073	1.04219	1.30002	0.96454	1.17146	1.11390	80.00	0.57792	0.55166	0.64524	0.53278	0.62395	0.58982
1.60	1.16218	1.02283	1.26757	0.94999	1.14734	1.09143	85.00	0.57316	0.54710	0.64009	0.52835	0.61893	0.58505
1.70	1.13785	1.00571	1.23915	0.93709	1.12616	1.07166	90.00	0.56871	0.54282	0.63527	0.52421	0.61423	0.58058
1.80	1.11619	0.99048	1.21411	0.92553	1.10739	1.05413	95.00	0.56452	0.53881	0.63073	0.52032	0.60981	0.57637
1.90	1.09626	0.97673	1.19170	0.91509	1.09069	1.03844	100.00	0.56058	0.53503	0.62645	0.51665	0.60564	0.57241
2.00	1.07821	0.96431	1.17154	0.90559	1.07573	1.02429	125.00	0.54371	0.51884	0.60808	0.50096	0.58774	0.55541
2.20	1.04710	0.94285	1.13692	0.88890	1.05003	0.99982	150.00	0.53026	0.50594	0.59339	0.48846	0.57344	0.54183
2.40	1.02102	0.92482	1.10791	0.87467	1.02859	0.97934	175.00	0.51912	0.49526	0.58118	0.47811	0.56156	0.53056
2.60	0.99879	0.90927	1.08346	0.86225	1.01051	0.96191	200.00	0.50964	0.48618	0.57078	0.46931	0.55144	0.52096
2.80	0.97949	0.89570	1.06261	0.85128	0.99488	0.94692							
3.00	0.96243	0.88373	1.04457	0.84148	0.98123	0.93379							
3.20	0.94762	0.87306	1.02875	0.83264	0.96917	0.92213							
3.40	0.93450	0.86344	1.01470	0.82459	0.95840	0.91171							
3.60	0.92269	0.85471	1.00215	0.81721	0.94869	0.90230							
3.80	0.91190	0.84672	0.99086	0.81040	0.93986	0.89375							
4.00	0.90202	0.83938	0.98059	0.80408	0.93178	0.88593							
4.50	0.88079	0.82326	0.95862	0.79005	0.91421	0.86888							
5.00	0.86323	0.80961	0.94062	0.77798	0.89948	0.85459							
5.50	0.84832	0.79779	0.92544	0.76740	0.88684	0.84231							
6.00	0.83547	0.78738	0.91236	0.75799	0.87578	0.83158							
6.50	0.82420	0.77810	0.90091	0.74953	0.86595	0.82205							
7.00	0.81416	0.76973	0.89075	0.74183	0.85711	0.81347							
7.50	0.80512	0.76211	0.88162	0.73479	0.84907	0.80569							
8.00	0.79691	0.75512	0.87334	0.72829	0.84172	0.79857							
8.50	0.78939	0.74867	0.86576	0.72227	0.83493	0.79200							
9.00	0.78247	0.74267	0.85878	0.71665	0.82863	0.78590							
9.50	0.77607	0.73708	0.85232	0.71139	0.82275	0.78022							
10.00	0.77013	0.73184	0.84631	0.70645	0.81724	0.77490							
11.00	0.75936	0.72226	0.83539	0.69738	0.80716	0.76518							
12.00	0.74980	0.71367	0.82568	0.68922	0.79813	0.75646							
13.00	0.74123	0.70590	0.81695	0.68181	0.78994	0.74857							
14.00	0.73346	0.69881	0.80901	0.67503	0.78246	0.74137							

Collision integrals for the (14, 6, 8) potential function for $\gamma = 0.6$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.50063	3.12436	3.64674	2.86873	3.35717	3.31643	15.00	0.72829	0.69435	0.80347	0.67092	0.77744	0.73667
0.15	3.06682	2.72924	3.20832	2.49699	2.95928	2.89574	16.00	0.72177	0.68833	0.79679	0.66514	0.77108	0.73055
0.20	2.78443	2.46480	2.93613	2.23359	2.70907	2.60952	17.00	0.71573	0.68273	0.79059	0.65976	0.76516	0.72486
0.25	2.57158	2.25746	2.73874	2.02618	2.52376	2.39355	18.00	0.71010	0.67750	0.78480	0.65473	0.75961	0.71953
0.30	2.40172	2.08866	2.58279	1.85717	2.36833	2.22043	19.00	0.70484	0.67259	0.77938	0.65000	0.75441	0.71453
0.35	2.25641	1.94680	2.44944	1.71929	2.23140	2.07799	20.00	0.69991	0.66797	0.77427	0.64554	0.74950	0.70982
0.40	2.13324	1.82689	2.33175	1.60663	2.10918	1.95802	22.00	0.69085	0.65948	0.76489	0.63734	0.74046	0.70115
0.45	2.02564	1.72558	2.22656	1.51229	1.99852	1.85305	24.00	0.68272	0.65181	0.75644	0.62994	0.73229	0.69331
0.50	1.93178	1.63700	2.12940	1.43673	1.90357	1.76598	26.00	0.67535	0.64484	0.74874	0.62319	0.72483	0.68617
0.55	1.84885	1.56342	2.04430	1.37177	1.81595	1.68788	28.00	0.66861	0.63846	0.74168	0.61701	0.71799	0.67962
0.60	1.77535	1.49739	1.96362	1.31735	1.73959	1.62015	30.00	0.66240	0.63256	0.73517	0.61130	0.71167	0.67357
0.65	1.70981	1.44241	1.89393	1.27233	1.67330	1.56141	32.00	0.65665	0.62709	0.72912	0.60601	0.70579	0.66794
0.70	1.65184	1.39375	1.82955	1.23303	1.61300	1.50910	34.00	0.65130	0.62200	0.72348	0.60107	0.70030	0.66270
0.75	1.59849	1.34920	1.76852	1.19853	1.55933	1.46191	36.00	0.64629	0.61723	0.71820	0.59645	0.69516	0.65778
0.80	1.55243	1.31121	1.71543	1.16858	1.51194	1.41975	38.00	0.64160	0.61275	0.71323	0.59210	0.69032	0.65316
0.85	1.50901	1.27844	1.66814	1.14263	1.46956	1.38238	40.00	0.63717	0.60852	0.70854	0.58800	0.68576	0.64880
0.90	1.46910	1.24899	1.62392	1.11975	1.43137	1.34903	45.00	0.62713	0.59892	0.69787	0.57869	0.67536	0.63887
0.95	1.43477	1.22145	1.58239	1.09922	1.39698	1.31868	50.00	0.61828	0.59045	0.68843	0.57047	0.66616	0.63009
1.00	1.40295	1.19661	1.54473	1.08067	1.36594	1.29090	55.00	0.61037	0.58288	0.67998	0.56313	0.65792	0.62223
1.10	1.34475	1.15404	1.47896	1.04898	1.31256	1.24270	60.00	0.60323	0.57604	0.67233	0.55649	0.65046	0.61513
1.20	1.29650	1.11940	1.42293	1.02279	1.26790	1.20240	65.00	0.59673	0.56981	0.66535	0.55045	0.64365	0.60864
1.30	1.25716	1.08972	1.37484	1.00068	1.23016	1.16827	70.00	0.59078	0.56409	0.65894	0.54490	0.63740	0.60269
1.40	1.22145	1.06425	1.33362	0.98173	1.19818	1.13889	75.00	0.58528	0.55882	0.65302	0.53979	0.63162	0.59719
1.50	1.18902	1.04219	1.29763	0.96523	1.17065	1.11337	80.00	0.58017	0.55392	0.64751	0.53504	0.62625	0.59208
1.60	1.16061	1.02299	1.26576	0.95076	1.14677	1.09108	85.00	0.57542	0.54936	0.64237	0.53061	0.62124	0.58731
1.70	1.13630	1.00601	1.23753	0.93793	1.12577	1.07147	90.00	0.57096	0.54508	0.63755	0.52646	0.61654	0.58284
1.80	1.11496	0.99090	1.21264	0.92645	1.10717	1.05409	95.00	0.56678	0.54107	0.63302	0.52257	0.61212	0.57864
1.90	1.09553	0.97731	1.19051	0.91608	1.09059	1.03853	100.00	0.56284	0.53728	0.62874	0.51890	0.60795	0.57467
2.00	1.07758	0.96496	1.17056	0.90664	1.07573	1.02451	125.00	0.54596	0.52109	0.61039	0.50319	0.59007	0.55767
2.20	1.04680	0.94361	1.13625	0.89005	1.05020	1.00023	150.00	0.53251	0.50818	0.59571	0.49067	0.57577	0.54409
2.40	1.02098	0.92570	1.10761	0.87590	1.02889	0.97991	175.00	0.52136	0.49748	0.58351	0.48030	0.56389	0.53281
2.60	0.99893	0.91027	1.08332	0.86355	1.01104	0.96255	200.00	0.51187	0.48838	0.57310	0.47148	0.55376	0.52320
2.80	0.97989	0.89678	1.06261	0.85264	0.99548	0.94767							
3.00	0.96299	0.88489	1.04472	0.84289	0.98186	0.93466							
3.20	0.94826	0.87429	1.02904	0.83410	0.96989	0.92308							
3.40	0.93516	0.86472	1.01511	0.82610	0.95919	0.91272							
3.60	0.92347	0.85603	1.00264	0.81876	0.94957	0.90335							
3.80	0.91281	0.84809	0.99142	0.81198	0.94080	0.89486							
4.00	0.90302	0.84079	0.98123	0.80570	0.93277	0.88708							
4.50	0.88189	0.82477	0.95941	0.79173	0.91532	0.87014							
5.00	0.86448	0.81119	0.94154	0.77972	0.90066	0.85594							
5.50	0.84964	0.79943	0.92645	0.76919	0.88811	0.84373							
6.00	0.83686	0.78907	0.91347	0.75982	0.87712	0.83305							
6.50	0.82566	0.77983	0.90207	0.75139	0.86734	0.82357							
7.00	0.81568	0.77150	0.89198	0.74373	0.85855	0.81504							
7.50	0.80669	0.76392	0.88292	0.73671	0.85056	0.80730							
8.00	0.79853	0.75696	0.87468	0.73024	0.84325	0.80021							
8.50	0.79105	0.75053	0.86715	0.72424	0.83650	0.79367							
9.00	0.78417	0.74456	0.86021	0.71864	0.83023	0.78761							
9.50	0.77780	0.73899	0.85379	0.71340	0.82439	0.78196							
10.00	0.77188	0.73377	0.84780	0.70848	0.81891	0.77666							
11.00	0.76116	0.72422	0.83695	0.69944	0.80888	0.76698							
12.00	0.75164	0.71567	0.82730	0.69130	0.79990	0.75831							
13.00	0.74310	0.70792	0.81861	0.68391	0.79175	0.75045							
14.00	0.73537	0.70085	0.81071	0.67715	0.78430	0.74327							

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Collision integrals for the (14, 6, 8) potential function for $\gamma = 0.8$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.41812	3.05718	3.57239	2.81293	3.29372	3.24904	15.00	0.73012	0.69630	0.80512	0.67294	0.77921	0.73850
0.15	3.00299	2.68043	3.15056	2.45610	2.90905	2.84426	16.00	0.72362	0.69030	0.79847	0.66718	0.77288	0.73240
0.20	2.73194	2.42529	2.88656	2.20558	2.66873	2.57149	17.00	0.71760	0.68472	0.79230	0.66181	0.76698	0.72673
0.25	2.52929	2.22852	2.69762	2.00569	2.48929	2.36311	18.00	0.71200	0.67950	0.78654	0.65678	0.76146	0.72142
0.30	2.36527	2.06539	2.54630	1.84218	2.33929	2.19570	19.00	0.70676	0.67461	0.78114	0.65206	0.75628	0.71644
0.35	2.22647	1.92848	2.41779	1.70929	2.20844	2.05865	20.00	0.70183	0.67000	0.77606	0.64762	0.75139	0.71174
0.40	2.10791	1.81217	2.30404	1.59863	2.08968	1.94117	22.00	0.69281	0.66152	0.76671	0.63943	0.74238	0.70309
0.45	2.00382	1.71302	2.20189	1.50663	1.98292	1.83967	24.00	0.68470	0.65387	0.75829	0.63204	0.73424	0.69528
0.50	1.91298	1.62766	2.10896	1.43172	1.88935	1.75421	26.00	0.67735	0.64692	0.75063	0.62530	0.72681	0.68816
0.55	1.83258	1.55567	2.02591	1.36876	1.80551	1.67869	28.00	0.67062	0.64054	0.74360	0.61913	0.71999	0.68163
0.60	1.76111	1.49139	1.94850	1.31493	1.73031	1.61223	30.00	0.66442	0.63465	0.73710	0.61343	0.71368	0.67559
0.65	1.69762	1.43709	1.87973	1.26985	1.66502	1.55402	32.00	0.65869	0.62919	0.73108	0.60814	0.70782	0.66998
0.70	1.64164	1.38942	1.81770	1.23149	1.60649	1.50315	34.00	0.65335	0.62411	0.72546	0.60320	0.70235	0.66474
0.75	1.58902	1.34602	1.75849	1.19735	1.55357	1.45684	36.00	0.64835	0.61934	0.72019	0.59858	0.69722	0.65984
0.80	1.54395	1.30841	1.70604	1.16768	1.50687	1.41546	38.00	0.64366	0.61487	0.71523	0.59424	0.69240	0.65523
0.85	1.50172	1.27528	1.65905	1.14183	1.46523	1.37843	40.00	0.63925	0.61065	0.71056	0.59015	0.68784	0.65087
0.90	1.46275	1.24655	1.61633	1.11916	1.42767	1.34552	45.00	0.62922	0.60105	0.69992	0.58084	0.67746	0.64096
0.95	1.42843	1.21988	1.57605	1.09889	1.39377	1.31574	50.00	0.62038	0.59259	0.69050	0.57262	0.66828	0.63220
1.00	1.39709	1.19521	1.53874	1.08054	1.36312	1.28844	55.00	0.61248	0.58502	0.68207	0.56527	0.66005	0.62435
1.10	1.34111	1.15292	1.47394	1.04906	1.31034	1.24081	60.00	0.60535	0.57818	0.67444	0.55864	0.65261	0.61725
1.20	1.29312	1.11854	1.41890	1.02303	1.26625	1.20091	65.00	0.59886	0.57195	0.66747	0.55259	0.64581	0.61077
1.30	1.25349	1.08935	1.37154	1.00108	1.22889	1.16715	70.00	0.59290	0.56624	0.66107	0.54705	0.63957	0.60482
1.40	1.21925	1.06401	1.33068	0.98225	1.19715	1.13811	75.00	0.58741	0.56096	0.65516	0.54193	0.63380	0.59932
1.50	1.18732	1.04216	1.29525	0.96587	1.16989	1.11284	80.00	0.58231	0.55606	0.64966	0.53718	0.62843	0.59422
1.60	1.15924	1.02312	1.26391	0.95148	1.14619	1.09073	85.00	0.57755	0.55150	0.64453	0.53274	0.62343	0.58945
1.70	1.13485	1.00628	1.23600	0.93872	1.12537	1.07129	90.00	0.57310	0.54722	0.63972	0.52860	0.61873	0.58498
1.80	1.11368	0.99127	1.21126	0.92731	1.10695	1.05403	95.00	0.56892	0.54321	0.63519	0.52470	0.61432	0.58078
1.90	1.09464	0.97780	1.18934	0.91700	1.09049	1.03861	100.00	0.56497	0.53942	0.63092	0.52102	0.61015	0.57682
2.00	1.07704	0.96557	1.16962	0.90762	1.07573	1.02471	125.00	0.54809	0.52321	0.61258	0.50530	0.59227	0.55982
2.20	1.04655	0.94436	1.13566	0.89113	1.05037	1.00061	150.00	0.53463	0.51029	0.59790	0.49276	0.57797	0.54623
2.40	1.02091	0.92651	1.10729	0.87705	1.02917	0.98045	175.00	0.52348	0.49958	0.58571	0.48238	0.56609	0.53495
2.60	0.99906	0.91120	1.08320	0.86478	1.01144	0.96320	200.00	0.51398	0.49047	0.57530	0.47355	0.55596	0.52533
2.80	0.98019	0.89781	1.06261	0.85393	0.99605	0.94837							
3.00	0.96353	0.88598	1.04484	0.84423	0.98250	0.93545							
3.20	0.94878	0.87543	1.02929	0.83548	0.97057	0.92396							
3.40	0.93578	0.86593	1.01548	0.82752	0.95996	0.91366							
3.60	0.92418	0.85729	1.00311	0.82022	0.95039	0.90436							
3.80	0.91363	0.84939	0.99196	0.81348	0.94169	0.89590							
4.00	0.90394	0.84212	0.98184	0.80722	0.93370	0.88817							
4.50	0.88293	0.82619	0.96016	0.79332	0.91635	0.87133							
5.00	0.86564	0.81267	0.94239	0.78136	0.90178	0.85720							
5.50	0.85088	0.80097	0.92740	0.77088	0.88930	0.84507							
6.00	0.83817	0.79067	0.91451	0.76155	0.87837	0.83444							
6.50	0.82704	0.78147	0.90318	0.75316	0.86865	0.82501							
7.00	0.81711	0.77317	0.89314	0.74553	0.85991	0.81653							
7.50	0.80817	0.76562	0.88413	0.73854	0.85197	0.80882							
8.00	0.80005	0.75869	0.87595	0.73209	0.84470	0.80177							
8.50	0.79262	0.75229	0.86846	0.72611	0.83798	0.79526							
9.00	0.78577	0.74634	0.86156	0.72053	0.83175	0.78923							
9.50	0.77943	0.74080	0.85517	0.71530	0.82593	0.78360							
10.00	0.77353	0.73560	0.84922	0.71039	0.82048	0.77833							
11.00	0.76286	0.72608	0.83843	0.70138	0.81051	0.76869							
12.00	0.75338	0.71756	0.82883	0.69327	0.80157	0.76005							
13.00	0.74488	0.70984	0.82018	0.68590	0.79346	0.75223							
14.00	0.73717	0.70279	0.81233	0.67916	0.78604	0.74508							

Collision integrals for the (14, 6, 8) potential function for $\gamma = 1.0$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.33587	2.99065	3.49806	2.75882	3.23235	3.18320	15.00	0.73185	0.69816	0.80669	0.67486	0.78089	0.74023
0.15	2.93980	2.62963	3.09089	2.41671	2.85982	2.79463	16.00	0.72538	0.69217	0.80007	0.66911	0.77459	0.73416
0.20	2.68008	2.38721	2.83797	2.17628	2.62712	2.53238	17.00	0.71938	0.68661	0.79392	0.66375	0.76872	0.72851
0.25	2.48601	2.19824	2.65544	1.98499	2.45495	2.33263	18.00	0.71380	0.68140	0.78819	0.65874	0.76322	0.72322
0.30	2.32841	2.04191	2.50992	1.82690	2.31039	2.17090	19.00	0.70857	0.67652	0.78281	0.65403	0.75805	0.71825
0.35	2.19738	1.91006	2.38636	1.69743	2.18391	2.03745	20.00	0.70366	0.67192	0.77775	0.64959	0.75318	0.71357
0.40	2.08210	1.79717	2.27643	1.58949	2.06913	1.92339	22.00	0.69466	0.66346	0.76844	0.64142	0.74421	0.70495
0.45	1.98199	1.70155	2.17857	1.50113	1.96766	1.82676	24.00	0.68658	0.65583	0.76005	0.63403	0.73609	0.69716
0.50	1.89420	1.61863	2.08896	1.42680	1.87781	1.74216	26.00	0.67924	0.64888	0.75242	0.62731	0.72869	0.69006
0.55	1.81630	1.54807	2.00824	1.36562	1.79507	1.66952	28.00	0.67253	0.64252	0.74541	0.62114	0.72189	0.68354
0.60	1.74664	1.48557	1.93377	1.31202	1.72077	1.60385	30.00	0.66635	0.63664	0.73895	0.61545	0.71560	0.67752
0.65	1.68512	1.43129	1.86553	1.26740	1.65677	1.54687	32.00	0.66062	0.63119	0.73294	0.61016	0.70976	0.67192
0.70	1.62966	1.38481	1.80549	1.22983	1.59996	1.49714	34.00	0.65529	0.62611	0.72733	0.60523	0.70430	0.66670
0.75	1.57986	1.34298	1.74885	1.19627	1.54810	1.45194	36.00	0.65031	0.62135	0.72208	0.60061	0.69919	0.66181
0.80	1.53448	1.30505	1.69634	1.16691	1.50212	1.41131	38.00	0.64563	0.61688	0.71714	0.59628	0.69437	0.65720
0.85	1.49440	1.27230	1.65014	1.14106	1.46096	1.37465	40.00	0.64122	0.61266	0.71248	0.59218	0.68983	0.65286
0.90	1.45661	1.24395	1.60862	1.11856	1.42404	1.34209	45.00	0.63121	0.60308	0.70187	0.58288	0.67948	0.64297
0.95	1.42184	1.21816	1.56971	1.09851	1.39063	1.31279	50.00	0.62238	0.59462	0.69248	0.57467	0.67031	0.63421
1.00	1.39173	1.19392	1.53309	1.08040	1.36040	1.28601	55.00	0.61449	0.58705	0.68407	0.56732	0.66210	0.62638
1.10	1.33732	1.15192	1.46907	1.04911	1.30816	1.23894	60.00	0.60736	0.58022	0.67645	0.56068	0.65467	0.61928
1.20	1.28917	1.11768	1.41494	1.02323	1.26461	1.19947	65.00	0.60088	0.57399	0.66950	0.55464	0.64788	0.61281
1.30	1.24983	1.08892	1.36831	1.00145	1.22767	1.16605	70.00	0.59493	0.56828	0.66311	0.54909	0.64165	0.60687
1.40	1.21676	1.06380	1.32788	0.98274	1.19616	1.13733	75.00	0.58943	0.56300	0.65721	0.54397	0.63588	0.60138
1.50	1.18575	1.04220	1.29299	0.96648	1.16914	1.11232	80.00	0.58434	0.55810	0.65172	0.53921	0.63052	0.59627
1.60	1.15810	1.02322	1.26205	0.95215	1.14562	1.09040	85.00	0.57958	0.55354	0.64659	0.53478	0.62552	0.59151
1.70	1.13348	1.00653	1.23451	0.93947	1.12500	1.07110	90.00	0.57513	0.54926	0.64179	0.53063	0.62083	0.58704
1.80	1.11240	0.99162	1.20998	0.92811	1.10671	1.05397	95.00	0.57095	0.54524	0.63727	0.52673	0.61642	0.58284
1.90	1.09366	0.97825	1.18820	0.91787	1.09038	1.03867	100.00	0.56701	0.54146	0.63300	0.52305	0.61225	0.57888
2.00	1.07647	0.96614	1.16870	0.90855	1.07573	1.02487	125.00	0.55012	0.52524	0.61468	0.50731	0.59438	0.56188
2.20	1.04619	0.94500	1.13501	0.89214	1.05052	1.00096	150.00	0.53666	0.51230	0.60001	0.49476	0.58008	0.54828
2.40	1.02080	0.92727	1.10694	0.87814	1.02942	0.98096	175.00	0.52550	0.50158	0.58781	0.48436	0.56819	0.53699
2.60	0.99916	0.91208	1.08308	0.86593	1.01179	0.96383	200.00	0.51599	0.49245	0.57740	0.47551	0.55806	0.52737
2.80	0.98044	0.89877	1.06263	0.85515	0.99658	0.94904							
3.00	0.96401	0.88700	1.04496	0.84550	0.98312	0.93619							
3.20	0.94930	0.87651	1.02951	0.83679	0.97123	0.92480							
3.40	0.93642	0.86707	1.01582	0.82886	0.96068	0.91455							
3.60	0.92482	0.85848	1.00354	0.82160	0.95115	0.90532							
3.80	0.91439	0.85061	0.99246	0.81489	0.94251	0.89690							
4.00	0.90480	0.84339	0.98242	0.80867	0.93459	0.88921							
4.50	0.88392	0.82753	0.96088	0.79483	0.91732	0.87246							
5.00	0.86672	0.81408	0.94320	0.78292	0.90285	0.85840							
5.50	0.85207	0.80244	0.92831	0.77248	0.89043	0.84633							
6.00	0.83942	0.79218	0.91548	0.76319	0.87957	0.83576							
6.50	0.82833	0.78302	0.90424	0.75483	0.86990	0.82637							
7.00	0.81847	0.77476	0.89424	0.74723	0.86120	0.81793							
7.50	0.80958	0.76724	0.88528	0.74026	0.85331	0.81026							
8.00	0.80150	0.76034	0.87715	0.73384	0.84607	0.80324							
8.50	0.79411	0.75396	0.86971	0.72788	0.83939	0.79677							
9.00	0.78729	0.74804	0.86284	0.72232	0.83319	0.79076							
9.50	0.78098	0.74251	0.85648	0.71711	0.82740	0.78515							
10.00	0.77510	0.73733	0.85057	0.71222	0.82198	0.77990							
11.00	0.76447	0.72785	0.83983	0.70323	0.81205	0.77031							
12.00	0.75503	0.71935	0.83028	0.69514	0.80315	0.76170							
13.00	0.74656	0.71165	0.82167	0.68779	0.79508	0.75391							
14.00	0.73888	0.70463	0.81386	0.68107	0.78770	0.74679							

Collision integrals for the (14, 6, 8) potential function for $\gamma = 1.5$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.13203	2.82909	3.31507	2.62476	3.07703	3.01919	15.00	0.73584	0.70243	0.81028	0.67928	0.78477	0.74423
0.15	2.78430	2.51125	2.95137	2.32151	2.74077	2.67444	16.00	0.72943	0.69648	0.80373	0.67356	0.77852	0.73820
0.20	2.55529	2.29493	2.72035	2.10812	2.52998	2.44036	17.00	0.72348	0.69095	0.79765	0.66823	0.77271	0.73259
0.25	2.38421	2.12757	2.55590	1.93528	2.37299	2.25956	18.00	0.71793	0.68577	0.79197	0.66324	0.76726	0.72735
0.30	2.24209	1.98552	2.42278	1.79154	2.24275	2.11281	19.00	0.71274	0.68091	0.78665	0.65855	0.76214	0.72242
0.35	2.12277	1.86571	2.31099	1.67103	2.12719	1.98964	20.00	0.70787	0.67634	0.78164	0.65412	0.75731	0.71777
0.40	2.02007	1.76245	2.21169	1.57002	2.02261	1.88429	22.00	0.69893	0.66792	0.77242	0.64598	0.74840	0.70920
0.45	1.92933	1.67329	2.12192	1.48686	1.92911	1.79474	24.00	0.69089	0.66033	0.76411	0.63862	0.74035	0.70146
0.50	1.84867	1.59666	2.04059	1.41559	1.84319	1.71460	26.00	0.68360	0.65341	0.75653	0.63192	0.73300	0.69441
0.55	1.77713	1.52810	1.96415	1.35655	1.76784	1.64617	28.00	0.67692	0.64707	0.74959	0.62577	0.72625	0.68792
0.60	1.71303	1.47052	1.89651	1.30615	1.69935	1.58499	30.00	0.67077	0.64121	0.74317	0.62009	0.72000	0.68193
0.65	1.65513	1.41845	1.83288	1.26267	1.63794	1.53076	32.00	0.66507	0.63578	0.73721	0.61481	0.71420	0.67636
0.70	1.60349	1.37427	1.77630	1.22515	1.58342	1.48220	34.00	0.65977	0.63071	0.73164	0.60989	0.70877	0.67117
0.75	1.55674	1.33410	1.72386	1.19338	1.53485	1.43980	36.00	0.65480	0.62597	0.72643	0.60528	0.70369	0.66629
0.80	1.51392	1.29843	1.67497	1.16478	1.49050	1.40100	38.00	0.65014	0.62151	0.72152	0.60095	0.69890	0.66171
0.85	1.47566	1.26633	1.63013	1.13969	1.45108	1.36608	40.00	0.64575	0.61730	0.71689	0.59687	0.69438	0.65738
0.90	1.44078	1.23769	1.58965	1.11712	1.41524	1.33410	45.00	0.63577	0.60773	0.70634	0.58757	0.68408	0.64753
0.95	1.40796	1.21288	1.55327	1.09748	1.38308	1.30564	50.00	0.62697	0.59928	0.69700	0.57936	0.67495	0.63880
1.00	1.37799	1.19038	1.51929	1.07984	1.35384	1.27989	55.00	0.61910	0.59173	0.68863	0.57201	0.66677	0.63099
1.10	1.32627	1.14978	1.45775	1.04919	1.30298	1.23449	60.00	0.61199	0.58490	0.68105	0.56537	0.65936	0.62391
1.20	1.28144	1.11566	1.40537	1.02374	1.26070	1.19612	65.00	0.60552	0.57867	0.67413	0.55933	0.65260	0.61746
1.30	1.24273	1.08757	1.36047	1.00223	1.22474	1.16343	70.00	0.59957	0.57296	0.66777	0.55377	0.64638	0.61152
1.40	1.20947	1.06334	1.32142	0.98382	1.19392	1.13540	75.00	0.59409	0.56768	0.66188	0.54865	0.64063	0.60604
1.50	1.18125	1.04202	1.28731	0.96780	1.16735	1.11103	80.00	0.58899	0.56279	0.65641	0.54389	0.63529	0.60094
1.60	1.15471	1.02349	1.25755	0.95370	1.14431	1.08959	85.00	0.58424	0.55822	0.65130	0.53945	0.63029	0.59618
1.70	1.13118	1.00698	1.23086	0.94116	1.12405	1.07064	90.00	0.57980	0.55394	0.64651	0.53529	0.62561	0.59172
1.80	1.10953	0.99238	1.20700	0.92997	1.10614	1.05383	95.00	0.57562	0.54992	0.64200	0.53138	0.62121	0.58752
1.90	1.09110	0.97923	1.18560	0.91983	1.09011	1.03877	100.00	0.57167	0.54612	0.63774	0.52770	0.61705	0.58356
2.00	1.07457	0.96733	1.16644	0.91064	1.07571	1.02522	125.00	0.55479	0.52988	0.61946	0.51192	0.59919	0.56656
2.20	1.04524	0.94655	1.13351	0.89446	1.05087	1.00175	150.00	0.54131	0.51692	0.60480	0.49933	0.58489	0.55296
2.40	1.02059	0.92907	1.10611	0.88060	1.03023	0.98203	175.00	0.53013	0.50617	0.59262	0.48890	0.57301	0.54166
2.60	0.99930	0.91403	1.08275	0.86856	1.01262	0.96523	200.00	0.52060	0.49701	0.58221	0.48001	0.56286	0.53202
2.80	0.98096	0.90095	1.06266	0.85792	0.99765	0.95065							
3.00	0.96488	0.88935	1.04523	0.84840	0.98453	0.93789							
3.20	0.95059	0.87899	1.03000	0.83978	0.97279	0.92666							
3.40	0.93775	0.86966	1.01654	0.83194	0.96231	0.91660							
3.60	0.92641	0.86119	1.00450	0.82476	0.95293	0.90748							
3.80	0.91600	0.85342	0.99361	0.81813	0.94439	0.89919							
4.00	0.90666	0.84628	0.98372	0.81197	0.93660	0.89159							
4.50	0.88620	0.83059	0.96249	0.79828	0.91957	0.87505							
5.00	0.86917	0.81731	0.94505	0.78650	0.90531	0.86117							
5.50	0.85478	0.80580	0.93038	0.77616	0.89303	0.84924							
6.00	0.84228	0.79565	0.91772	0.76696	0.88230	0.83879							
6.50	0.83130	0.78659	0.90665	0.75868	0.87277	0.82951							
7.00	0.82157	0.77841	0.89679	0.75114	0.86418	0.82116							
7.50	0.81279	0.77095	0.88792	0.74424	0.85637	0.81358							
8.00	0.80481	0.76412	0.87990	0.73786	0.84923	0.80664							
8.50	0.79751	0.75780	0.87256	0.73195	0.84263	0.80023							
9.00	0.79077	0.75193	0.86579	0.72643	0.83650	0.79428							
9.50	0.78453	0.74645	0.85951	0.72127	0.83078	0.78873							
10.00	0.77871	0.74131	0.85366	0.71641	0.82542	0.78354							
11.00	0.76817	0.73191	0.84305	0.70748	0.81561	0.77403							
12.00	0.75883	0.72347	0.83361	0.69945	0.80680	0.76551							
13.00	0.75043	0.71583	0.82511	0.69214	0.79881	0.75779							
14.00	0.74281	0.70885	0.81737	0.68545	0.79150	0.75073							

Collision integrals for the (15, 6, 8) potential function for $\gamma = 0$.

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.65094	3.24120	3.77968	2.96298	3.46751	3.43404	15.00	0.73412	0.70091	0.80755	0.67805	0.78204	0.74232
0.15	3.18197	2.81076	3.31136	2.56116	3.04511	2.97911	16.00	0.72775	0.69504	0.80101	0.67243	0.77583	0.73635
0.20	2.87236	2.52459	3.01922	2.27820	2.77729	2.67206	17.00	0.72184	0.68958	0.79494	0.66719	0.77005	0.73079
0.25	2.64705	2.30545	2.80968	2.05677	2.57867	2.44107	18.00	0.71634	0.68448	0.78928	0.66229	0.76464	0.72560
0.30	2.45829	2.12445	2.64187	1.87672	2.41065	2.25528	19.00	0.71120	0.67970	0.78397	0.65769	0.75957	0.72073
0.35	2.30538	1.97507	2.49955	1.73275	2.26449	2.10477	20.00	0.70638	0.67520	0.77898	0.65336	0.75478	0.71614
0.40	2.17373	1.84833	2.37349	1.61607	2.13583	1.97895	22.00	0.69754	0.66693	0.76982	0.64538	0.74597	0.70769
0.45	2.05995	1.74040	2.26007	1.52264	2.02141	1.87453	24.00	0.68961	0.65947	0.76157	0.63819	0.73801	0.70006
0.50	1.96065	1.65172	2.15983	1.44259	1.91958	1.78055	26.00	0.68243	0.65269	0.75407	0.63164	0.73076	0.69311
0.55	1.87298	1.57300	2.06746	1.37782	1.83006	1.70174	28.00	0.67586	0.64648	0.74719	0.62563	0.72410	0.68674
0.60	1.79683	1.50889	1.98655	1.32200	1.75157	1.63074	30.00	0.66981	0.64075	0.74084	0.62009	0.71795	0.68085
0.65	1.72880	1.44992	1.91224	1.27613	1.68172	1.57062	32.00	0.66421	0.63544	0.73495	0.61495	0.71223	0.67539
0.70	1.66699	1.39945	1.84306	1.23638	1.62023	1.51685	34.00	0.65900	0.63049	0.72946	0.61015	0.70690	0.67029
0.75	1.61568	1.35578	1.78249	1.20143	1.56579	1.46822	36.00	0.65413	0.62585	0.72432	0.60567	0.70191	0.66552
0.80	1.56382	1.31693	1.72842	1.17161	1.51733	1.42565	38.00	0.64956	0.62150	0.71948	0.60145	0.69721	0.66103
0.85	1.51997	1.28349	1.67811	1.14562	1.47389	1.38794	40.00	0.64526	0.61740	0.71493	0.59747	0.69277	0.65679
0.90	1.48181	1.25283	1.63185	1.12248	1.43511	1.35380	45.00	0.63550	0.60808	0.70455	0.58844	0.68268	0.64715
0.95	1.44395	1.22572	1.59061	1.10184	1.40039	1.32285	50.00	0.62689	0.59985	0.69538	0.58047	0.67375	0.63863
1.00	1.41071	1.19996	1.55199	1.08352	1.36933	1.29499	55.00	0.61921	0.59250	0.68717	0.57334	0.66575	0.63100
1.10	1.35342	1.15769	1.48452	1.05164	1.31509	1.24607	60.00	0.61228	0.58587	0.67975	0.56690	0.65852	0.62411
1.20	1.30381	1.12257	1.42738	1.02550	1.26989	1.20552	65.00	0.60597	0.57982	0.67298	0.56104	0.65192	0.61782
1.30	1.26291	1.09287	1.37907	1.00342	1.23205	1.17107	70.00	0.60018	0.57428	0.66676	0.55566	0.64586	0.61204
1.40	1.22633	1.06712	1.33723	0.98448	1.19992	1.14146	75.00	0.59484	0.56916	0.66101	0.55070	0.64026	0.60671
1.50	1.19310	1.04515	1.30048	0.96810	1.17235	1.11590	80.00	0.58989	0.56441	0.65567	0.54609	0.63505	0.60175
1.60	1.16512	1.02594	1.26818	0.95367	1.14833	1.09353	85.00	0.58527	0.55998	0.65068	0.54180	0.63019	0.59712
1.70	1.14087	1.00896	1.23991	0.94092	1.12726	1.07391	90.00	0.58095	0.55584	0.64601	0.53777	0.62564	0.59279
1.80	1.11897	0.99381	1.21492	0.92950	1.10863	1.05650	95.00	0.57689	0.55194	0.64162	0.53400	0.62136	0.58871
1.90	1.09923	0.98020	1.19261	0.91919	1.09206	1.04092	100.00	0.57307	0.54827	0.63747	0.53043	0.61732	0.58487
2.00	1.08190	0.96804	1.17269	0.90981	1.07723	1.02690	125.00	0.55669	0.53256	0.61968	0.51519	0.59999	0.56838
2.20	1.05032	0.94672	1.13810	0.89335	1.05175	1.00265	150.00	0.54364	0.52003	0.60545	0.50304	0.58613	0.55520
2.40	1.02445	0.92888	1.10927	0.87933	1.03053	0.98237	175.00	0.53282	0.50965	0.59363	0.49297	0.57462	0.54426
2.60	1.00234	0.91351	1.08501	0.86711	1.01262	0.96516	200.00	0.52361	0.50081	0.58354	0.48440	0.56480	0.53493
2.80	0.98309	0.90012	1.06435	0.85630	0.99716	0.95033							
3.00	0.96656	0.88833	1.04647	0.84667	0.98367	0.93735							
3.20	0.95165	0.87781	1.03078	0.83799	0.97177	0.92585							
3.40	0.93867	0.86834	1.01688	0.83009	0.96114	0.91557							
3.60	0.92696	0.85974	1.00445	0.82285	0.95156	0.90631							
3.80	0.91628	0.85189	0.99327	0.81617	0.94286	0.89789							
4.00	0.90653	0.84467	0.98313	0.80998	0.93490	0.89019							
4.50	0.88559	0.82884	0.96144	0.79623	0.91761	0.87343							
5.00	0.86826	0.81544	0.94368	0.78443	0.90313	0.85939							
5.50	0.85358	0.80386	0.92873	0.77409	0.89073	0.84735							
6.00	0.84096	0.79367	0.91586	0.76490	0.87988	0.83683							
6.50	0.82988	0.78459	0.90460	0.75664	0.87024	0.82749							
7.00	0.82001	0.77641	0.89462	0.74914	0.86159	0.81910							
7.50	0.81114	0.76896	0.88566	0.74227	0.85373	0.81149							
8.00	0.80309	0.76213	0.87753	0.73594	0.84653	0.80453							
8.50	0.79572	0.75583	0.87011	0.73007	0.83990	0.79811							
9.00	0.78895	0.74998	0.86328	0.72460	0.83375	0.79216							
9.50	0.78269	0.74453	0.85695	0.71948	0.82801	0.78662							
10.00	0.77687	0.73942	0.85107	0.71467	0.82264	0.78143							
11.00	0.76634	0.73008	0.84039	0.70585	0.81281	0.77195							
12.00	0.75701	0.72172	0.83091	0.69791	0.80401	0.76346							
13.00	0.74864	0.71416	0.82239	0.69071	0.79603	0.75578							
14.00	0.74106	0.70725	0.81464	0.68412	0.78875	0.74877							

Collision integrals for the (15, 6, 8) potential function for $\gamma = 0.2$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.56392	3.16963	3.70164	2.90138	3.39942	3.36016	15.00	0.73626	0.70319	0.80948	0.68041	0.78412	0.74445
0.15	3.10988	2.75684	3.24589	2.51460	2.98651	2.92211	16.00	0.72991	0.69734	0.80297	0.67480	0.77794	0.73851
0.20	2.81525	2.48200	2.96273	2.24414	2.72882	2.62724	17.00	0.72403	0.69189	0.79694	0.66957	0.77218	0.73298
0.25	2.59464	2.26952	2.75975	2.03202	2.53717	2.40533	18.00	0.71855	0.68681	0.79130	0.66469	0.76680	0.72780
0.30	2.41849	2.09664	2.59838	1.86048	2.37736	2.22849	19.00	0.71343	0.68205	0.78603	0.66010	0.76175	0.72295
0.35	2.27012	1.95232	2.46132	1.72090	2.23717	2.08305	20.00	0.70863	0.67756	0.78107	0.65577	0.75698	0.71837
0.40	2.14376	1.83074	2.34056	1.60781	2.11310	1.96177	22.00	0.69982	0.66931	0.77195	0.64781	0.74821	0.70995
0.45	2.03395	1.72856	2.23320	1.51331	2.00066	1.85594	24.00	0.69192	0.66187	0.76373	0.64063	0.74028	0.70234
0.50	1.93847	1.63935	2.13439	1.43777	1.90485	1.76802	26.00	0.68475	0.65510	0.75626	0.63409	0.73305	0.69542
0.55	1.85417	1.56505	2.04779	1.37246	1.81598	1.68908	28.00	0.67820	0.64890	0.74941	0.62809	0.72641	0.68906
0.60	1.77999	1.49901	1.96619	1.31850	1.73976	1.62124	30.00	0.67217	0.64318	0.74309	0.62255	0.72028	0.68319
0.65	1.71373	1.44408	1.89616	1.27371	1.67302	1.56248	32.00	0.66658	0.63788	0.73722	0.61742	0.71459	0.67774
0.70	1.65505	1.39485	1.83029	1.23432	1.61231	1.50975	34.00	0.66138	0.63293	0.73175	0.61263	0.70927	0.67265
0.75	1.60176	1.35058	1.76924	1.20014	1.55881	1.46264	36.00	0.65653	0.62831	0.72663	0.60814	0.70429	0.66789
0.80	1.55516	1.31284	1.71624	1.17037	1.51141	1.42043	38.00	0.65197	0.62396	0.72181	0.60393	0.69960	0.66340
0.85	1.51124	1.28029	1.66862	1.14463	1.46900	1.38320	40.00	0.64767	0.61986	0.71726	0.59996	0.69518	0.65918
0.90	1.47162	1.25063	1.62389	1.12190	1.43087	1.34988	45.00	0.63792	0.61055	0.70692	0.59092	0.68511	0.64955
0.95	1.43710	1.22303	1.58216	1.10147	1.39655	1.31952	50.00	0.62933	0.60233	0.69777	0.58295	0.67620	0.64105
1.00	1.40532	1.19848	1.54469	1.08308	1.36564	1.29181	55.00	0.62166	0.59498	0.68959	0.57582	0.66822	0.63343
1.10	1.34660	1.15619	1.47885	1.05169	1.31246	1.24381	60.00	0.61473	0.58834	0.68218	0.56938	0.66099	0.62654
1.20	1.29893	1.12177	1.42284	1.02575	1.26796	1.20372	65.00	0.60843	0.58230	0.67542	0.56352	0.65441	0.62026
1.30	1.25968	1.09219	1.37481	1.00387	1.23045	1.16977	70.00	0.60265	0.57676	0.66921	0.55814	0.64835	0.61448
1.40	1.22350	1.06698	1.33377	0.98511	1.19869	1.14055	75.00	0.59731	0.57164	0.66348	0.55317	0.64276	0.60915
1.50	1.19136	1.04510	1.29785	0.96879	1.17135	1.11520	80.00	0.59236	0.56689	0.65814	0.54856	0.63756	0.60420
1.60	1.16308	1.02606	1.26605	0.95450	1.14763	1.09310	85.00	0.58774	0.56246	0.65317	0.54426	0.63271	0.59957
1.70	1.13902	1.00925	1.23797	0.94183	1.12680	1.07365	90.00	0.58342	0.55831	0.64850	0.54024	0.62816	0.59524
1.80	1.11779	0.99430	1.21327	0.93050	1.10834	1.05642	95.00	0.57936	0.55441	0.64411	0.53645	0.62388	0.59117
1.90	1.09833	0.98082	1.19124	0.92027	1.09190	1.04100	100.00	0.57554	0.55074	0.63997	0.53289	0.61984	0.58732
2.00	1.08051	0.96860	1.17142	0.91096	1.07719	1.02711	125.00	0.55916	0.53501	0.62220	0.51763	0.60252	0.57084
2.20	1.04997	0.94754	1.13735	0.89461	1.05192	1.00308	150.00	0.54609	0.52247	0.60798	0.50545	0.58866	0.55765
2.40	1.02433	0.92984	1.10889	0.88068	1.03086	0.98297	175.00	0.53527	0.51207	0.59616	0.49537	0.57715	0.54671
2.60	1.00250	0.91461	1.08482	0.86853	1.01319	0.96583	200.00	0.52605	0.50322	0.58607	0.48678	0.56733	0.53738
2.80	0.98360	0.90132	1.06431	0.85781	0.99780	0.95116							
3.00	0.96684	0.88960	1.04660	0.84824	0.98436	0.93831							
3.20	0.95231	0.87916	1.03108	0.83961	0.97256	0.92688							
3.40	0.93940	0.86974	1.01730	0.83176	0.96202	0.91667							
3.60	0.92783	0.86120	1.00497	0.82456	0.95253	0.90746							
3.80	0.91728	0.85340	0.99388	0.81792	0.94389	0.89910							
4.00	0.90761	0.84623	0.98382	0.81177	0.93598	0.89146							
4.50	0.88680	0.83050	0.96230	0.79810	0.91883	0.87481							
5.00	0.86963	0.81719	0.94469	0.78636	0.90444	0.86088							
5.50	0.85505	0.80567	0.92984	0.77607	0.89213	0.84891							
6.00	0.84249	0.79554	0.91708	0.76693	0.88136	0.83845							
6.50	0.83149	0.78651	0.90589	0.75871	0.87178	0.82918							
7.00	0.82169	0.77836	0.89598	0.75124	0.86319	0.82084							
7.50	0.81288	0.77096	0.88709	0.74440	0.85538	0.81327							
8.00	0.80488	0.76416	0.87903	0.73809	0.84823	0.80635							
8.50	0.79756	0.75789	0.87164	0.73225	0.84164	0.79997							
9.00	0.79082	0.75207	0.86486	0.72680	0.83553	0.79406							
9.50	0.78459	0.74664	0.85858	0.72170	0.82983	0.78854							
10.00	0.77881	0.74155	0.85273	0.71691	0.82448	0.78338							
11.00	0.76833	0.73226	0.84212	0.70812	0.81472	0.77395							
12.00	0.75904	0.72393	0.83270	0.70021	0.80597	0.76550							
13.00	0.75071	0.71639	0.82423	0.69303	0.79804	0.75786							
14.00	0.74316	0.70951	0.81653	0.68646	0.79079	0.75088							

Collision integrals for the (15, 6, 8) potential function for $\gamma = 0.4$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.47590	3.09733	3.62244	2.84137	3.33200	3.28811	15.00	0.73827	0.70533	0.81129	0.68262	0.78606	0.74646
0.15	3.04085	2.70412	3.18391	2.47082	2.93296	2.86707	16.00	0.73194	0.69949	0.80482	0.67702	0.77991	0.74054
0.20	2.75853	2.43975	2.90991	2.21281	2.68378	2.58512	17.00	0.72608	0.69407	0.79881	0.67181	0.77419	0.73503
0.25	2.54783	2.23680	2.71349	2.00492	2.49399	2.36666	18.00	0.72063	0.68900	0.79321	0.66694	0.76883	0.72987
0.30	2.37945	2.07073	2.55809	1.84374	2.34529	2.20107	19.00	0.71553	0.68425	0.78796	0.66236	0.76379	0.72503
0.35	2.23652	1.93186	2.42625	1.70949	2.21114	2.06156	20.00	0.71074	0.67977	0.78302	0.65804	0.75905	0.72047
0.40	2.11561	1.81432	2.30999	1.59901	2.09129	1.94343	22.00	0.70196	0.67154	0.77394	0.65009	0.75031	0.71208
0.45	2.00977	1.71465	2.20611	1.50654	1.98281	1.84054	24.00	0.69408	0.66412	0.76576	0.64292	0.74241	0.70450
0.50	1.91766	1.62852	2.11133	1.43224	1.88926	1.75499	26.00	0.68693	0.65737	0.75832	0.63639	0.73521	0.69759
0.55	1.83627	1.55656	2.02766	1.36899	1.80421	1.67874	28.00	0.68040	0.65118	0.75150	0.63040	0.72860	0.69125
0.60	1.76418	1.49185	1.94886	1.31542	1.72889	1.61210	30.00	0.67438	0.64547	0.74521	0.62487	0.72249	0.68540
0.65	1.70019	1.43777	1.87993	1.27096	1.66388	1.55423	32.00	0.66881	0.64017	0.73936	0.61974	0.71681	0.67996
0.70	1.64355	1.39031	1.81751	1.23264	1.60506	1.50318	34.00	0.66362	0.63523	0.73391	0.61495	0.71151	0.67489
0.75	1.59087	1.34664	1.75759	1.19865	1.55219	1.45680	36.00	0.65877	0.63061	0.72880	0.61047	0.70654	0.67013
0.80	1.54589	1.30927	1.70516	1.16926	1.50567	1.41551	38.00	0.65422	0.62627	0.72400	0.60626	0.70186	0.66566
0.85	1.50341	1.27675	1.65861	1.14368	1.46413	1.37869	40.00	0.64994	0.62217	0.71947	0.60229	0.69745	0.66144
0.90	1.46409	1.24806	1.61561	1.12120	1.42667	1.34592	45.00	0.64020	0.61287	0.70916	0.59326	0.68741	0.65183
0.95	1.43015	1.22127	1.57504	1.10109	1.39290	1.31622	50.00	0.63162	0.60465	0.70004	0.58529	0.67851	0.64334
1.00	1.39895	1.19671	1.53779	1.08288	1.36239	1.28899	55.00	0.62396	0.59731	0.69187	0.57816	0.67055	0.63573
1.10	1.34241	1.15485	1.47324	1.05172	1.30990	1.24162	60.00	0.61704	0.59068	0.68448	0.57172	0.66334	0.62885
1.20	1.29468	1.12079	1.41829	1.02598	1.26607	1.20200	65.00	0.61074	0.58463	0.67773	0.56585	0.65676	0.62257
1.30	1.25572	1.09177	1.37107	1.00427	1.22896	1.16847	70.00	0.60496	0.57909	0.67154	0.56047	0.65072	0.61681
1.40	1.22122	1.06665	1.33044	0.98567	1.19749	1.13963	75.00	0.59963	0.57397	0.66581	0.55550	0.64513	0.61148
1.50	1.18925	1.04504	1.29517	0.96948	1.17043	1.11457	80.00	0.59468	0.56922	0.66049	0.55089	0.63993	0.60652
1.60	1.16139	1.02618	1.26394	0.95527	1.14694	1.09265	85.00	0.59007	0.56479	0.65552	0.54658	0.63509	0.60190
1.70	1.13732	1.00951	1.23619	0.94269	1.12631	1.07340	90.00	0.58575	0.56064	0.65086	0.54256	0.63054	0.59757
1.80	1.11635	0.99468	1.21167	0.93143	1.10805	1.05632	95.00	0.58169	0.55674	0.64647	0.53877	0.62626	0.59350
1.90	1.09740	0.98136	1.18991	0.92127	1.09175	1.04105	100.00	0.57786	0.55306	0.64234	0.53520	0.62223	0.58965
2.00	1.07984	0.96926	1.17032	0.91203	1.07715	1.02729	125.00	0.56148	0.53732	0.62458	0.51992	0.60491	0.57317
2.20	1.04960	0.94831	1.13662	0.89579	1.05207	1.00346	150.00	0.54841	0.52476	0.61036	0.50773	0.59106	0.55998
2.40	1.02423	0.93073	1.10850	0.88194	1.03113	0.98354	175.00	0.53757	0.51435	0.59855	0.49762	0.57954	0.54903
2.60	1.00259	0.91563	1.08464	0.86988	1.01363	0.96652	200.00	0.52834	0.50548	0.58846	0.48902	0.56972	0.53969
2.80	0.98394	0.90243	1.06428	0.85922	0.99840	0.95191							
3.00	0.96741	0.89079	1.04671	0.84970	0.98504	0.93917							
3.20	0.95287	0.88041	1.03133	0.84112	0.97330	0.92785							
3.40	0.94005	0.87107	1.01769	0.83332	0.96284	0.91771							
3.60	0.92860	0.86257	1.00546	0.82616	0.95342	0.90855							
3.80	0.91818	0.85482	0.99446	0.81956	0.94486	0.90024							
4.00	0.90861	0.84769	0.98448	0.81344	0.93701	0.89265							
4.50	0.88793	0.83206	0.96311	0.79984	0.91997	0.87611							
5.00	0.87091	0.81882	0.94563	0.78816	0.90567	0.86226							
5.50	0.85640	0.80737	0.93088	0.77793	0.89344	0.85037							
6.00	0.84392	0.79729	0.91822	0.76883	0.88274	0.83997							
6.50	0.83300	0.78830	0.90710	0.76064	0.87323	0.83075							
7.00	0.82326	0.78020	0.89725	0.75321	0.86468	0.82247							
7.50	0.81451	0.77283	0.88843	0.74640	0.85693	0.81494							
8.00	0.80656	0.76607	0.88042	0.74012	0.84983	0.80806							
8.50	0.79928	0.75982	0.87309	0.73429	0.84328	0.80171							
9.00	0.79258	0.75403	0.86634	0.72887	0.83720	0.79583							
9.50	0.78638	0.74862	0.86010	0.72379	0.83153	0.79034							
10.00	0.78062	0.74356	0.85429	0.71901	0.82622	0.78521							
11.00	0.77020	0.73429	0.84375	0.71025	0.81650	0.77582							
12.00	0.76094	0.72600	0.83438	0.70237	0.80780	0.76741							
13.00	0.75265	0.71849	0.82596	0.69521	0.79991	0.75980							
14.00	0.74514	0.71163	0.81830	0.68866	0.79270	0.75285							

Collision integrals for the (15, 6, 8) potential function for $\gamma = 0.6$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.38705	3.02488	3.54229	2.78125	3.26431	3.21527	15.00	0.74016	0.70734	0.81299	0.68471	0.78790	0.74835
0.15	2.97184	2.64977	3.12030	2.42782	2.87972	2.81289	16.00	0.73386	0.70153	0.80655	0.67912	0.78177	0.74245
0.20	2.70219	2.39800	2.85697	2.18121	2.63902	2.54291	17.00	0.72802	0.69612	0.80058	0.67392	0.77607	0.73696
0.25	2.50105	2.20432	2.66826	1.98654	2.46149	2.33841	18.00	0.72258	0.69106	0.79500	0.66906	0.77074	0.73182
0.30	2.33961	2.04525	2.51860	1.82735	2.31403	2.17426	19.00	0.71750	0.68632	0.78977	0.66449	0.76573	0.72700
0.35	2.20402	1.91165	2.39182	1.69695	2.18476	2.03895	20.00	0.71272	0.68186	0.78486	0.66018	0.76100	0.72246
0.40	2.08738	1.79824	2.28014	1.58949	2.06925	1.92456	22.00	0.70397	0.67364	0.77582	0.65225	0.75229	0.71409
0.45	1.98606	1.70160	2.18010	1.50058	1.96617	1.82636	24.00	0.69612	0.66624	0.76768	0.64509	0.74443	0.70653
0.50	1.89707	1.61859	2.08945	1.42570	1.87502	1.74065	26.00	0.68899	0.65950	0.76027	0.63856	0.73725	0.69965
0.55	1.81844	1.54747	2.00716	1.36511	1.79223	1.66813	28.00	0.68247	0.65332	0.75348	0.63258	0.73066	0.69333
0.60	1.74864	1.48558	1.93283	1.31291	1.71911	1.60376	30.00	0.67647	0.64762	0.74720	0.62706	0.72457	0.68749
0.65	1.68641	1.43184	1.86466	1.26827	1.65484	1.54628	32.00	0.67091	0.64233	0.74138	0.62193	0.71891	0.68206
0.70	1.63093	1.38449	1.80329	1.23036	1.59734	1.49605	34.00	0.66573	0.63740	0.73595	0.61715	0.71362	0.67700
0.75	1.58062	1.34335	1.74702	1.19728	1.54587	1.45121	36.00	0.66089	0.63278	0.73086	0.61267	0.70867	0.67225
0.80	1.53570	1.30657	1.69556	1.16831	1.50022	1.41087	38.00	0.65635	0.62845	0.72607	0.60846	0.70400	0.66779
0.85	1.49447	1.27367	1.64906	1.14290	1.45951	1.37454	40.00	0.65207	0.62436	0.72155	0.60449	0.69960	0.66358
0.90	1.45752	1.24476	1.60663	1.12057	1.42269	1.34216	45.00	0.64236	0.61506	0.71127	0.59547	0.68958	0.65399
0.95	1.42375	1.21869	1.56723	1.10060	1.38931	1.31288	50.00	0.63379	0.60685	0.70217	0.58750	0.68071	0.64551
1.00	1.39252	1.19500	1.53113	1.08263	1.35922	1.28618	55.00	0.62613	0.59951	0.69403	0.58037	0.67275	0.63791
1.10	1.33815	1.15384	1.46797	1.05171	1.30740	1.23946	60.00	0.61922	0.59288	0.68665	0.57393	0.66556	0.63104
1.20	1.29167	1.11999	1.41410	1.02616	1.26419	1.20032	65.00	0.61293	0.58684	0.67992	0.56806	0.65899	0.62477
1.30	1.25155	1.09118	1.36734	1.00465	1.22756	1.16721	70.00	0.60715	0.58129	0.67374	0.56267	0.65295	0.61901
1.40	1.21728	1.06638	1.32724	0.98616	1.19633	1.13872	75.00	0.60182	0.57617	0.66802	0.55770	0.64737	0.61368
1.50	1.18693	1.04490	1.29244	0.97010	1.16955	1.11392	80.00	0.59687	0.57142	0.66270	0.55308	0.64218	0.60873
1.60	1.16007	1.02622	1.26181	0.95599	1.14628	1.09224	85.00	0.59226	0.56699	0.65774	0.54878	0.63734	0.60411
1.70	1.13632	1.00977	1.23452	0.94348	1.12585	1.07315	90.00	0.58794	0.56284	0.65309	0.54474	0.63280	0.59978
1.80	1.11538	0.99505	1.21019	0.93229	1.10775	1.05620	95.00	0.58388	0.55893	0.64871	0.54096	0.62852	0.59571
1.90	1.09640	0.98181	1.18857	0.92220	1.09159	1.04107	100.00	0.58006	0.55526	0.64458	0.53738	0.62449	0.59187
2.00	1.07912	0.96983	1.16923	0.91302	1.07710	1.02744	125.00	0.56367	0.53950	0.62684	0.52208	0.60718	0.57538
2.20	1.04904	0.94903	1.13591	0.89689	1.05221	1.00382	150.00	0.55059	0.52693	0.61263	0.50987	0.59332	0.56219
2.40	1.02398	0.93154	1.10808	0.88312	1.03138	0.98407	175.00	0.53974	0.51650	0.60081	0.49975	0.58180	0.55123
2.60	1.00272	0.91656	1.08446	0.87113	1.01400	0.96717	200.00	0.53051	0.50762	0.59072	0.49113	0.57197	0.54188
2.80	0.98416	0.90347	1.06425	0.86054	0.99897	0.95262							
3.00	0.96787	0.89191	1.04682	0.85108	0.98570	0.93997							
3.20	0.95350	0.88159	1.03155	0.84254	0.97400	0.92874							
3.40	0.94071	0.87230	1.01802	0.83478	0.96362	0.91867							
3.60	0.92926	0.86386	1.00591	0.82767	0.95425	0.90958							
3.80	0.91895	0.85615	0.99499	0.82110	0.94576	0.90132							
4.00	0.90952	0.84906	0.98509	0.81501	0.93797	0.89377							
4.50	0.88904	0.83352	0.96388	0.80148	0.92102	0.87734							
5.00	0.87206	0.82035	0.94650	0.78986	0.90683	0.86357							
5.50	0.85768	0.80896	0.93186	0.77967	0.89467	0.85175							
6.00	0.84527	0.79894	0.91928	0.77061	0.88404	0.84141							
6.50	0.83442	0.78999	0.90825	0.76246	0.87459	0.83224							
7.00	0.82475	0.78193	0.89845	0.75506	0.86609	0.82400							
7.50	0.81604	0.77459	0.88968	0.74828	0.85838	0.81651							
8.00	0.80813	0.76786	0.88173	0.74202	0.85132	0.80966							
8.50	0.80089	0.76164	0.87445	0.73622	0.84481	0.80335							
9.00	0.79423	0.75587	0.86774	0.73081	0.83877	0.79749							
9.50	0.78807	0.75049	0.86153	0.72575	0.83313	0.79204							
10.00	0.78233	0.74544	0.85575	0.72099	0.82785	0.78692							
11.00	0.77195	0.73621	0.84527	0.71226	0.81819	0.77758							
12.00	0.76274	0.72795	0.83596	0.70440	0.80953	0.76921							
13.00	0.75448	0.72046	0.82758	0.69726	0.80168	0.76164							
14.00	0.74700	0.71363	0.81997	0.69073	0.79450	0.75471							

Collision integrals for the (15, 6, 8) potential function for $\gamma = 0.8$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.29960	2.95467	3.46383	2.72242	3.19694	3.14411	15.00	0.74194	0.70925	0.81460	0.68668	0.78963	0.75013
0.15	2.90411	2.59732	3.05899	2.38544	2.82684	2.75980	16.00	0.73567	0.70345	0.80820	0.68111	0.78354	0.74426
0.20	2.64700	2.35718	2.80515	2.15040	2.59516	2.50173	17.00	0.72985	0.69806	0.80225	0.67592	0.77786	0.73879
0.25	2.45481	2.17204	2.62317	1.96415	2.42460	2.30558	18.00	0.72443	0.69302	0.79670	0.67106	0.77255	0.73367
0.30	2.30126	2.02008	2.47971	1.81126	2.28336	2.14801	19.00	0.71936	0.68829	0.79150	0.66650	0.76756	0.72886
0.35	2.17147	1.89170	2.35796	1.68492	2.15921	2.01716	20.00	0.71460	0.68383	0.78660	0.66220	0.76285	0.72434
0.40	2.05983	1.78247	2.25084	1.58057	2.04821	1.90657	22.00	0.70588	0.67564	0.77761	0.65429	0.75418	0.71600
0.45	1.96243	1.68869	2.15435	1.49375	1.94849	1.81156	24.00	0.69804	0.66825	0.76950	0.64713	0.74633	0.70846
0.50	1.87672	1.60824	2.06711	1.42181	1.85935	1.72968	26.00	0.69093	0.66152	0.76212	0.64062	0.73918	0.70160
0.55	1.80087	1.53901	1.98798	1.36108	1.78010	1.65757	28.00	0.68443	0.65535	0.75535	0.63464	0.73261	0.69529
0.60	1.73343	1.47839	1.91571	1.30995	1.70908	1.59485	30.00	0.67844	0.64966	0.74910	0.62913	0.72654	0.68946
0.65	1.67316	1.42609	1.85000	1.26584	1.64602	1.53886	32.00	0.67290	0.64438	0.74329	0.62400	0.72090	0.68405
0.70	1.61903	1.37952	1.78992	1.22846	1.59013	1.48945	34.00	0.66773	0.63945	0.73788	0.61923	0.71563	0.67900
0.75	1.57022	1.33922	1.73562	1.19589	1.53975	1.44560	36.00	0.66290	0.63484	0.73280	0.61475	0.71068	0.67427
0.80	1.52639	1.30321	1.68547	1.16723	1.49483	1.40608	38.00	0.65837	0.63051	0.72803	0.61055	0.70603	0.66981
0.85	1.48647	1.27087	1.63988	1.14200	1.45471	1.37042	40.00	0.65410	0.62643	0.72353	0.60658	0.70164	0.66561
0.90	1.44999	1.24215	1.59838	1.11990	1.41868	1.33844	45.00	0.64439	0.61714	0.71327	0.59756	0.69164	0.65604
0.95	1.41716	1.21659	1.56012	1.10016	1.38591	1.30963	50.00	0.63583	0.60893	0.70420	0.58959	0.68278	0.64757
1.00	1.38675	1.19329	1.52473	1.08237	1.35620	1.28340	55.00	0.62819	0.60159	0.69607	0.58246	0.67485	0.63998
1.10	1.33320	1.15266	1.46257	1.05170	1.30497	1.23738	60.00	0.62128	0.59496	0.68871	0.57602	0.66766	0.63311
1.20	1.28780	1.11906	1.40977	1.02630	1.26231	1.19869	65.00	0.61499	0.58892	0.68199	0.57015	0.66110	0.62685
1.30	1.24820	1.09066	1.36385	1.00497	1.22618	1.16595	70.00	0.60922	0.58338	0.67582	0.56476	0.65507	0.62109
1.40	1.21452	1.06611	1.32419	0.98663	1.19524	1.13781	75.00	0.60390	0.57826	0.67011	0.55978	0.64950	0.61577
1.50	1.18478	1.04481	1.28987	0.97068	1.16868	1.11329	80.00	0.59895	0.57350	0.66480	0.55516	0.64431	0.61082
1.60	1.15828	1.02622	1.25964	0.95666	1.14561	1.09182	85.00	0.59434	0.56907	0.65985	0.55085	0.63947	0.60620
1.70	1.13470	1.00994	1.23281	0.94423	1.12538	1.07288	90.00	0.59002	0.56492	0.65520	0.54682	0.63493	0.60188
1.80	1.11406	0.99537	1.20879	0.93310	1.10743	1.05609	95.00	0.58596	0.56101	0.65083	0.54303	0.63066	0.59780
1.90	1.09542	0.98224	1.18733	0.92307	1.09144	1.04107	100.00	0.58213	0.55733	0.64670	0.53945	0.62663	0.59396
2.00	1.07839	0.97036	1.16816	0.91395	1.07706	1.02756	125.00	0.56574	0.54157	0.62897	0.52413	0.60933	0.57747
2.20	1.04862	0.94970	1.13517	0.89792	1.05233	1.00414	150.00	0.55266	0.52898	0.61477	0.51190	0.59547	0.56427
2.40	1.02371	0.93230	1.10764	0.88423	1.03162	0.98456	175.00	0.54180	0.51854	0.60295	0.50177	0.58394	0.55330
2.60	1.00274	0.91743	1.08427	0.87231	1.01433	0.96779	200.00	0.53256	0.50965	0.59286	0.49313	0.57411	0.54395
2.80	0.98441	0.90444	1.06422	0.86179	0.99946	0.95330							
3.00	0.96827	0.89295	1.04689	0.85238	0.98632	0.94071							
3.20	0.95400	0.88269	1.03175	0.84388	0.97467	0.92958							
3.40	0.94131	0.87346	1.01833	0.83616	0.96433	0.91958							
3.60	0.92991	0.86507	1.00632	0.82908	0.95504	0.91055							
3.80	0.91969	0.85741	0.99549	0.82255	0.94659	0.90234							
4.00	0.91035	0.85035	0.98566	0.81650	0.93887	0.89482							
4.50	0.89003	0.83489	0.96459	0.80303	0.92202	0.87850							
5.00	0.87317	0.82180	0.94731	0.79146	0.90793	0.86480							
5.50	0.85888	0.81047	0.93279	0.78132	0.89583	0.85305							
6.00	0.84654	0.80049	0.92027	0.77230	0.88527	0.84276							
6.50	0.83574	0.79159	0.90933	0.76419	0.87588	0.83364							
7.00	0.82614	0.78356	0.89959	0.75681	0.86743	0.82544							
7.50	0.81748	0.77625	0.89086	0.75005	0.85976	0.81800							
8.00	0.80961	0.76955	0.88296	0.74382	0.85274	0.81118							
8.50	0.80241	0.76336	0.87572	0.73804	0.84626	0.80490							
9.00	0.79579	0.75761	0.86906	0.73266	0.84025	0.79907							
9.50	0.78965	0.75225	0.86288	0.72761	0.83464	0.79364							
10.00	0.78394	0.74722	0.85713	0.72287	0.82939	0.78855							
11.00	0.77360	0.73803	0.84671	0.71416	0.81978	0.77925							
12.00	0.76444	0.72979	0.83745	0.70632	0.81116	0.77092							
13.00	0.75621	0.72233	0.82912	0.69921	0.80335	0.76337							
14.00	0.74876	0.71552	0.82154	0.69269	0.79621	0.75648							

Collision integrals for the (15, 6, 8) potential function for $\gamma = 1.0$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.21308	2.88610	3.38641	2.66532	3.13108	3.07438	15.00	0.74363	0.71106	0.81613	0.68855	0.79128	0.75183
0.15	2.83813	2.54542	2.99805	2.34401	2.77530	2.70792	16.00	0.73738	0.70528	0.80975	0.68299	0.78521	0.74597
0.20	2.59368	2.31688	2.75399	2.12053	2.55288	2.46149	17.00	0.73158	0.69990	0.80383	0.67782	0.77955	0.74052
0.25	2.41110	2.14094	2.57951	1.94214	2.38864	2.27346	18.00	0.72618	0.69487	0.79831	0.67297	0.77426	0.73542
0.30	2.26335	1.99511	2.44144	1.79511	2.25311	2.12199	19.00	0.72113	0.69015	0.79313	0.66842	0.76929	0.73063
0.35	2.13996	1.87207	2.32487	1.67315	2.13422	1.99609	20.00	0.71639	0.68571	0.78825	0.66412	0.76460	0.72611
0.40	2.03271	1.76669	2.22195	1.57145	2.02718	1.88885	22.00	0.70769	0.67753	0.77929	0.65622	0.75596	0.71780
0.45	1.93923	1.67629	2.12957	1.48780	1.93199	1.79800	24.00	0.69987	0.67015	0.77122	0.64908	0.74814	0.71028
0.50	1.85653	1.59880	2.04626	1.41603	1.84427	1.71650	26.00	0.69278	0.66344	0.76386	0.64257	0.74101	0.70344
0.55	1.78353	1.52988	1.96829	1.35761	1.76875	1.64800	28.00	0.68629	0.65728	0.75712	0.63660	0.73446	0.69715
0.60	1.71826	1.47214	1.89982	1.30691	1.69914	1.58602	30.00	0.68032	0.65159	0.75089	0.63109	0.72841	0.69133
0.65	1.65983	1.41969	1.83482	1.26333	1.63727	1.53124	32.00	0.67478	0.64632	0.74510	0.62597	0.72278	0.68593
0.70	1.60740	1.37514	1.77744	1.22655	1.58301	1.48308	34.00	0.66963	0.64140	0.73970	0.62120	0.71752	0.68089
0.75	1.56081	1.33576	1.72516	1.19486	1.53420	1.44054	36.00	0.66481	0.63680	0.73464	0.61672	0.71259	0.67616
0.80	1.51712	1.29962	1.67532	1.16623	1.48966	1.40146	38.00	0.66028	0.63247	0.72989	0.61252	0.70795	0.67172
0.85	1.47828	1.26735	1.63011	1.14124	1.45018	1.36644	40.00	0.65601	0.62839	0.72540	0.60856	0.70357	0.66752
0.90	1.44343	1.23926	1.58990	1.11907	1.41456	1.33471	45.00	0.64632	0.61910	0.71517	0.59954	0.69359	0.65796
0.95	1.41046	1.21477	1.55347	1.09959	1.38245	1.30635	50.00	0.63778	0.61090	0.70611	0.59157	0.68475	0.64951
1.00	1.37999	1.19223	1.51924	1.08211	1.35330	1.28069	55.00	0.63014	0.60357	0.69800	0.58444	0.67682	0.64193
1.10	1.32880	1.15148	1.45734	1.05169	1.30264	1.23537	60.00	0.62324	0.59694	0.69066	0.57800	0.66965	0.63507
1.20	1.28341	1.11783	1.40515	1.02648	1.26054	1.19716	65.00	0.61695	0.59090	0.68395	0.57212	0.66309	0.62881
1.30	1.24447	1.08997	1.36030	1.00526	1.22481	1.16473	70.00	0.61119	0.58536	0.67779	0.56673	0.65707	0.62306
1.40	1.21209	1.06591	1.32137	0.98705	1.19419	1.13688	75.00	0.60586	0.58024	0.67209	0.56176	0.65150	0.61774
1.50	1.18377	1.04471	1.28735	0.97122	1.16785	1.11268	80.00	0.60092	0.57548	0.66679	0.55713	0.64632	0.61279
1.60	1.15690	1.02633	1.25765	0.95730	1.14500	1.09142	85.00	0.59631	0.57105	0.66184	0.55282	0.64149	0.60818
1.70	1.13327	1.01008	1.23114	0.94492	1.12490	1.07262	90.00	0.59199	0.56689	0.65720	0.54878	0.63695	0.60385
1.80	1.11213	0.99562	1.20738	0.93387	1.10714	1.05597	95.00	0.58793	0.56299	0.65283	0.54499	0.63268	0.59978
1.90	1.09387	0.98260	1.18613	0.92389	1.09127	1.04107	100.00	0.58411	0.55930	0.64870	0.54141	0.62865	0.59594
2.00	1.07748	0.97085	1.16714	0.91483	1.07701	1.02767	125.00	0.56771	0.54353	0.63099	0.52607	0.61136	0.57945
2.20	1.04823	0.95031	1.13444	0.89889	1.05245	1.00444	150.00	0.55462	0.53093	0.61679	0.51383	0.59750	0.56624
2.40	1.02369	0.93304	1.10723	0.88528	1.03187	0.98501	175.00	0.54376	0.52048	0.60498	0.50368	0.58597	0.55527
2.60	1.00273	0.91825	1.08410	0.87342	1.01466	0.96836	200.00	0.53450	0.51157	0.59489	0.49503	0.57613	0.54590
2.80	0.98454	0.90535	1.06420	0.86296	0.99989	0.95396							
3.00	0.96865	0.89393	1.04697	0.85360	0.98690	0.94141							
3.20	0.95451	0.88372	1.03191	0.84515	0.97533	0.93035							
3.40	0.94178	0.87455	1.01861	0.83746	0.96502	0.92044							
3.60	0.93055	0.86622	1.00671	0.83042	0.95578	0.91146							
3.80	0.92038	0.85859	0.99595	0.82392	0.94738	0.90330							
4.00	0.91115	0.85157	0.98619	0.81790	0.93971	0.89583							
4.50	0.89095	0.83619	0.96526	0.80450	0.92297	0.87959							
5.00	0.87420	0.82316	0.94809	0.79298	0.90897	0.86597							
5.50	0.86005	0.81189	0.93366	0.78288	0.89693	0.85428							
6.00	0.84774	0.80196	0.92122	0.77390	0.88642	0.84405							
6.50	0.83698	0.79310	0.91034	0.76582	0.87709	0.83497							
7.00	0.82744	0.78510	0.90066	0.75847	0.86869	0.82681							
7.50	0.81883	0.77783	0.89198	0.75174	0.86106	0.81940							
8.00	0.81101	0.77115	0.88412	0.74553	0.85408	0.81262							
8.50	0.80386	0.76499	0.87693	0.73977	0.84763	0.80637							
9.00	0.79726	0.75926	0.87031	0.73440	0.84166	0.80056							
9.50	0.79116	0.75392	0.86416	0.72937	0.83608	0.79516							
10.00	0.78547	0.74891	0.85844	0.72464	0.83085	0.79009							
11.00	0.77517	0.73975	0.84808	0.71596	0.82129	0.78083							
12.00	0.76605	0.73154	0.83887	0.70815	0.81271	0.77253							
13.00	0.75785	0.72410	0.83058	0.70105	0.80494	0.76502							
14.00	0.75042	0.71731	0.82304	0.69455	0.79783	0.75815							

Collision integrals for the (15, 6, 8) potential function for $\gamma = 1.5$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	2.99698	2.71491	3.19075	2.52552	2.96753	2.90252	15.00	0.74751	0.71522	0.81963	0.69286	0.79506	0.75572
0.15	2.67285	2.41692	2.84645	2.24843	2.65466	2.58548	16.00	0.74131	0.70947	0.81333	0.68733	0.78905	0.74992
0.20	2.46100	2.22480	2.63553	2.04603	2.44846	2.36184	17.00	0.73556	0.70412	0.80747	0.68217	0.78344	0.74451
0.25	2.30320	2.07198	2.48146	1.89504	2.30887	2.20270	18.00	0.73020	0.69912	0.80200	0.67735	0.77820	0.73945
0.30	2.17679	1.94190	2.35699	1.76168	2.18668	2.06554	19.00	0.72519	0.69443	0.79687	0.67281	0.77327	0.73469
0.35	2.06943	1.83000	2.25111	1.64872	2.07851	1.94972	20.00	0.72048	0.69001	0.79205	0.66854	0.76862	0.73021
0.40	1.96985	1.73334	2.15772	1.55551	1.98290	1.85268	22.00	0.71184	0.68187	0.78317	0.66066	0.76005	0.72195
0.45	1.88830	1.64710	2.07095	1.47386	1.89276	1.76509	24.00	0.70407	0.67453	0.77517	0.65354	0.75229	0.71448
0.50	1.81233	1.57361	1.99355	1.40289	1.80935	1.68627	26.00	0.69702	0.66784	0.76788	0.64706	0.74522	0.70767
0.55	1.74601	1.50825	1.92150	1.35101	1.74276	1.62629	28.00	0.69057	0.66170	0.76118	0.64110	0.73871	0.70141
0.60	1.68537	1.45722	1.86176	1.29878	1.67465	1.56422	30.00	0.68462	0.65604	0.75500	0.63560	0.73269	0.69563
0.65	1.63188	1.40455	1.79894	1.25869	1.61796	1.51442	32.00	0.67911	0.65078	0.74926	0.63050	0.72710	0.69026
0.70	1.58217	1.36521	1.74827	1.22358	1.56720	1.46960	34.00	0.67398	0.64588	0.74390	0.62573	0.72187	0.68524
0.75	1.53551	1.32651	1.69828	1.19087	1.51925	1.42682	36.00	0.66918	0.64129	0.73888	0.62126	0.71697	0.68053
0.80	1.49892	1.29045	1.65073	1.16320	1.47683	1.38962	38.00	0.66467	0.63697	0.73415	0.61707	0.71235	0.67610
0.85	1.45753	1.26057	1.60895	1.13970	1.43971	1.35718	40.00	0.66042	0.63289	0.72969	0.61311	0.70799	0.67192
0.90	1.42736	1.23596	1.57336	1.11867	1.40618	1.32750	45.00	0.65077	0.62363	0.71952	0.60409	0.69806	0.66239
0.95	1.39388	1.20937	1.53595	1.09845	1.37437	1.29897	50.00	0.64224	0.61544	0.71051	0.59613	0.68925	0.65396
1.00	1.36495	1.18720	1.50340	1.08134	1.34634	1.27409	55.00	0.63462	0.60811	0.70244	0.58900	0.68135	0.64640
1.10	1.32000	1.14825	1.44463	1.05147	1.29705	1.23033	60.00	0.62774	0.60149	0.69513	0.58255	0.67420	0.63955
1.20	1.27301	1.11736	1.39644	1.02715	1.25657	1.19384	65.00	0.62146	0.59545	0.68845	0.57668	0.66767	0.63331
1.30	1.23802	1.08856	1.35213	1.00586	1.22153	1.16185	70.00	0.61570	0.58991	0.68231	0.57128	0.66166	0.62756
1.40	1.20723	1.06498	1.31437	0.98800	1.19177	1.13473	75.00	0.61039	0.58478	0.67663	0.56630	0.65611	0.62225
1.50	1.17726	1.04416	1.28115	0.97244	1.16598	1.11116	80.00	0.60545	0.58003	0.67134	0.56167	0.65094	0.61731
1.60	1.15168	1.02695	1.25321	0.95870	1.14350	1.09040	85.00	0.60084	0.57559	0.66641	0.55735	0.64611	0.61270
1.70	1.13060	1.01034	1.22700	0.94648	1.12380	1.07200	90.00	0.59652	0.57143	0.66178	0.55330	0.64158	0.60838
1.80	1.11141	0.99615	1.20407	0.93564	1.10645	1.05574	95.00	0.59247	0.56752	0.65742	0.54950	0.63732	0.60431
1.90	1.09156	0.98348	1.18345	0.92589	1.09101	1.04121	100.00	0.58864	0.56383	0.65330	0.54591	0.63330	0.60047
2.00	1.07552	0.97195	1.16483	0.91680	1.07687	1.02789	125.00	0.57224	0.54803	0.63562	0.53054	0.61601	0.58397
2.20	1.04668	0.95167	1.13270	0.90109	1.05272	1.00509	150.00	0.55913	0.53540	0.62143	0.51827	0.60215	0.57076
2.40	1.02406	0.93479	1.10626	0.88764	1.03262	0.98596	175.00	0.54825	0.52492	0.60963	0.50808	0.59062	0.55978
2.60	1.00246	0.92008	1.08357	0.87595	1.01544	0.96966	200.00	0.53897	0.51599	0.59954	0.49940	0.58078	0.55040
2.80	0.98493	0.90738	1.06411	0.86561	1.00085	0.95549							
3.00	0.96945	0.89615	1.04717	0.85639	0.98813	0.94308							
3.20	0.95547	0.88610	1.03234	0.84805	0.97682	0.93212							
3.40	0.94291	0.87705	1.01924	0.84045	0.96664	0.92236							
3.60	0.93222	0.86882	1.00754	0.83348	0.95747	0.91355							
3.80	0.92272	0.86128	0.99698	0.82706	0.94920	0.90550							
4.00	0.91277	0.85434	0.98739	0.82110	0.94162	0.89813							
4.50	0.89306	0.83915	0.96681	0.80785	0.92515	0.88208							
5.00	0.87660	0.82629	0.94988	0.79645	0.91132	0.86865							
5.50	0.86260	0.81514	0.93563	0.78646	0.89946	0.85709							
6.00	0.85044	0.80532	0.92339	0.77756	0.88907	0.84699							
6.50	0.84012	0.79655	0.91265	0.76956	0.87987	0.83802							
7.00	0.83041	0.78865	0.90313	0.76228	0.87158	0.82995							
7.50	0.82193	0.78144	0.89456	0.75561	0.86405	0.82263							
8.00	0.81421	0.77483	0.88679	0.74945	0.85715	0.81592							
8.50	0.80714	0.76872	0.87969	0.74373	0.85079	0.80974							
9.00	0.80063	0.76305	0.87316	0.73841	0.84488	0.80400							
9.50	0.79459	0.75775	0.86711	0.73341	0.83937	0.79864							
10.00	0.78896	0.75278	0.86146	0.72872	0.83420	0.79363							
11.00	0.77877	0.74370	0.85121	0.72010	0.82475	0.78446							
12.00	0.76973	0.73555	0.84211	0.71234	0.81627	0.77624							
13.00	0.76160	0.72817	0.83392	0.70528	0.80858	0.76880							
14.00	0.75427	0.72143	0.82647	0.69882	0.80154	0.76199							

Collision integrals for the (16, 6, 8) potential function for $\gamma = 0$.

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.57008	3.16949	3.70544	2.89757	3.39962	3.35904	15.00	0.74520	0.71304	0.81635	0.69094	0.79173	0.75319
0.15	3.10938	2.75180	3.24422	2.50731	2.98194	2.91637	16.00	0.73903	0.70737	0.81004	0.68550	0.78574	0.74743
0.20	2.81146	2.47512	2.95795	2.23618	2.72116	2.61963	17.00	0.73331	0.70209	0.80418	0.68044	0.78016	0.74206
0.25	2.58911	2.26216	2.75262	2.02480	2.52816	2.39735	18.00	0.72799	0.69716	0.79871	0.67570	0.77495	0.73705
0.30	2.41236	2.08968	2.59017	1.85444	2.36795	2.22074	19.00	0.72302	0.69254	0.79360	0.67125	0.77006	0.73234
0.35	2.26377	1.94608	2.45257	1.71611	2.22794	2.07585	20.00	0.71835	0.68818	0.78879	0.66706	0.76544	0.72791
0.40	2.13758	1.82533	2.33174	1.60410	2.10437	1.95518	22.00	0.70980	0.68018	0.77995	0.65935	0.75695	0.71975
0.45	2.02813	1.72398	2.22464	1.51050	1.99258	1.84995	24.00	0.70213	0.67297	0.77199	0.65238	0.74928	0.71239
0.50	1.93309	1.63548	2.12599	1.43583	1.89750	1.76274	26.00	0.69518	0.66641	0.76476	0.64604	0.74229	0.70569
0.55	1.84935	1.56199	2.03990	1.37125	1.80943	1.68446	28.00	0.68882	0.66040	0.75813	0.64023	0.73587	0.69953
0.60	1.77560	1.49653	1.95875	1.31792	1.73383	1.61722	30.00	0.68297	0.65486	0.75201	0.63486	0.72994	0.69385
0.65	1.70981	1.44222	1.88920	1.27362	1.66777	1.55899	32.00	0.67756	0.64972	0.74633	0.62989	0.72443	0.68857
0.70	1.65165	1.39353	1.82397	1.23473	1.60769	1.50681	34.00	0.67252	0.64493	0.74104	0.62524	0.71929	0.68365
0.75	1.59870	1.34971	1.76332	1.20096	1.55470	1.46016	36.00	0.66780	0.64044	0.73608	0.62090	0.71447	0.67904
0.80	1.55260	1.31241	1.71076	1.17155	1.50778	1.41840	38.00	0.66338	0.63623	0.73142	0.61681	0.70994	0.67470
0.85	1.50907	1.28020	1.66361	1.14612	1.46584	1.38154	40.00	0.65922	0.63225	0.72702	0.61296	0.70566	0.67061
0.90	1.46974	1.25092	1.61934	1.12367	1.42812	1.34859	45.00	0.64977	0.62323	0.71702	0.60420	0.69592	0.66129
0.95	1.43562	1.22365	1.57799	1.10352	1.39417	1.31857	50.00	0.64144	0.61526	0.70817	0.59647	0.68731	0.65306
1.00	1.40414	1.19939	1.54087	1.08537	1.36359	1.29117	55.00	0.63400	0.60813	0.70025	0.58955	0.67959	0.64568
1.10	1.34603	1.15759	1.47569	1.05440	1.31100	1.24372	60.00	0.62728	0.60170	0.69309	0.58331	0.67261	0.63901
1.20	1.29885	1.12360	1.42028	1.02881	1.26703	1.20410	65.00	0.62117	0.59584	0.68656	0.57762	0.66623	0.63293
1.30	1.26001	1.09442	1.37275	1.00724	1.22995	1.17057	70.00	0.61556	0.59046	0.68055	0.57239	0.66038	0.62734
1.40	1.22429	1.06954	1.33216	0.98876	1.19856	1.14171	75.00	0.61039	0.58549	0.67500	0.56757	0.65497	0.62217
1.50	1.19252	1.04796	1.29663	0.97269	1.17155	1.11668	80.00	0.60559	0.58088	0.66985	0.56309	0.64994	0.61737
1.60	1.16457	1.02917	1.26521	0.95862	1.14813	1.09487	85.00	0.60111	0.57658	0.66503	0.55892	0.64524	0.61289
1.70	1.14076	1.01260	1.23745	0.94616	1.12757	1.07568	90.00	0.59692	0.57256	0.66052	0.55501	0.64084	0.60869
1.80	1.11981	0.99787	1.21303	0.93502	1.10935	1.05868	95.00	0.59298	0.56877	0.65627	0.55133	0.63670	0.60474
1.90	1.10061	0.98460	1.19127	0.92496	1.09313	1.04348	100.00	0.58927	0.56520	0.65226	0.54787	0.63279	0.60101
2.00	1.08301	0.97257	1.17168	0.91581	1.07861	1.02978	125.00	0.57337	0.54992	0.63506	0.53303	0.61601	0.58502
2.20	1.05288	0.95183	1.13804	0.89976	1.05370	1.00610	150.00	0.56068	0.53773	0.62129	0.52118	0.60258	0.57222
2.40	1.02758	0.93442	1.10996	0.88609	1.03295	0.98631	175.00	0.55016	0.52761	0.60984	0.51136	0.59142	0.56159
2.60	1.00607	0.91945	1.08620	0.87418	1.01556	0.96944	200.00	0.54120	0.51900	0.60007	0.50299	0.58190	0.55252
2.80	0.98746	0.90640	1.06598	0.86368	1.00041	0.95501							
3.00	0.97095	0.89489	1.04853	0.85431	0.98719	0.94238							
3.20	0.95665	0.88465	1.03324	0.84586	0.97560	0.93116							
3.40	0.94393	0.87542	1.01967	0.83819	0.96525	0.92114							
3.60	0.93256	0.86705	1.00753	0.83115	0.95594	0.91211							
3.80	0.92219	0.85941	0.99663	0.82467	0.94746	0.90391							
4.00	0.91269	0.85239	0.98673	0.81866	0.93971	0.89643							
4.50	0.89225	0.83701	0.96558	0.80532	0.92290	0.88012							
5.00	0.87542	0.82399	0.94831	0.79388	0.90882	0.86649							
5.50	0.86112	0.81275	0.93375	0.78386	0.89680	0.85480							
6.00	0.84882	0.80286	0.92125	0.77496	0.88628	0.84459							
6.50	0.83806	0.79406	0.91029	0.76696	0.87694	0.83555							
7.00	0.82848	0.78612	0.90061	0.75970	0.86855	0.82742							
7.50	0.81987	0.77891	0.89193	0.75305	0.86095	0.82005							
8.00	0.81205	0.77229	0.88405	0.74692	0.85399	0.81331							
8.50	0.80491	0.76619	0.87685	0.74124	0.84758	0.80710							
9.00	0.79833	0.76053	0.87022	0.73595	0.84163	0.80135							
9.50	0.79226	0.75525	0.86410	0.73100	0.83609	0.79599							
10.00	0.78662	0.75030	0.85840	0.72635	0.83090	0.79097							
11.00	0.77641	0.74127	0.84808	0.71782	0.82141	0.78181							
12.00	0.76736	0.73318	0.83892	0.71015	0.81292	0.77361							
13.00	0.75925	0.72586	0.83068	0.70318	0.80522	0.76619							
14.00	0.75191	0.71918	0.82320	0.69681	0.79819	0.75942							

Collision integrals for the (16, 6, 8) potential function for $\gamma = 0.2$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.47716	3.09286	3.62186	2.83247	3.32727	3.28108	15.00	0.74727	0.71526	0.81822	0.69322	0.79374	0.75526
0.15	3.03686	2.69930	3.18304	2.46593	2.93045	2.86397	16.00	0.74113	0.70960	0.81194	0.68780	0.78778	0.74952
0.20	2.74908	2.43524	2.90709	2.20766	2.67851	2.58057	17.00	0.73543	0.70433	0.80612	0.68275	0.78223	0.74418
0.25	2.54130	2.23068	2.70720	2.00444	2.49171	2.36611	18.00	0.73013	0.69942	0.80068	0.67802	0.77705	0.73918
0.30	2.37476	2.06517	2.55050	1.83915	2.33640	2.19453	19.00	0.72518	0.69481	0.79559	0.67358	0.77217	0.73449
0.35	2.23224	1.92764	2.41875	1.70486	2.20118	2.05407	20.00	0.72053	0.69047	0.79081	0.66940	0.76758	0.73008
0.40	2.11156	1.81009	2.30147	1.59632	2.08298	1.93739	22.00	0.71201	0.68249	0.78201	0.66170	0.75912	0.72195
0.45	2.00534	1.71122	2.19779	1.50451	1.97483	1.83495	24.00	0.70436	0.67529	0.77409	0.65474	0.75147	0.71460
0.50	1.91371	1.62512	2.10266	1.42941	1.88023	1.74826	26.00	0.69743	0.66875	0.76689	0.64841	0.74451	0.70792
0.55	1.83230	1.55174	2.01710	1.36723	1.79651	1.67308	28.00	0.69109	0.66275	0.76028	0.64261	0.73811	0.70178
0.60	1.76061	1.49024	1.94171	1.31558	1.72343	1.60845	30.00	0.68525	0.65721	0.75419	0.63725	0.73220	0.69611
0.65	1.69775	1.43564	1.87197	1.27048	1.65774	1.54996	32.00	0.67985	0.65208	0.74853	0.63227	0.72670	0.69084
0.70	1.63967	1.38729	1.80882	1.23237	1.59933	1.49915	34.00	0.67482	0.64729	0.74325	0.62763	0.72158	0.68593
0.75	1.58818	1.34664	1.75210	1.20027	1.54854	1.45496	36.00	0.67012	0.64281	0.73831	0.62329	0.71677	0.68132
0.80	1.54382	1.30988	1.70051	1.17034	1.50158	1.41312	38.00	0.66571	0.63860	0.73367	0.61920	0.71225	0.67699
0.85	1.49916	1.27640	1.65282	1.14512	1.46062	1.37675	40.00	0.66155	0.63463	0.72928	0.61535	0.70799	0.67291
0.90	1.46312	1.24745	1.60972	1.12287	1.42355	1.34429	45.00	0.65211	0.62561	0.71931	0.60660	0.69827	0.66361
0.95	1.43033	1.22123	1.56983	1.10290	1.39005	1.31481	50.00	0.64379	0.61765	0.71049	0.59887	0.68967	0.65538
1.00	1.39668	1.19805	1.53428	1.08507	1.36001	1.28805	55.00	0.63636	0.61052	0.70258	0.59195	0.68196	0.64801
1.10	1.34131	1.15624	1.46973	1.05436	1.30818	1.24131	60.00	0.62965	0.60409	0.69544	0.58570	0.67499	0.64135
1.20	1.29662	1.12252	1.41536	1.02900	1.26493	1.20220	65.00	0.62355	0.59823	0.68891	0.58001	0.66863	0.63527
1.30	1.25544	1.09367	1.36844	1.00763	1.22832	1.16913	70.00	0.61794	0.59285	0.68292	0.57478	0.66278	0.62968
1.40	1.22076	1.06982	1.32923	0.98928	1.19720	1.14065	75.00	0.61277	0.58788	0.67738	0.56996	0.65737	0.62452
1.50	1.19192	1.04778	1.29364	0.97335	1.17050	1.11592	80.00	0.60797	0.58327	0.67223	0.56547	0.65235	0.61972
1.60	1.16290	1.02925	1.26289	0.95949	1.14745	1.09445	85.00	0.60349	0.57897	0.66742	0.56130	0.64766	0.61524
1.70	1.13922	1.01287	1.23554	0.94701	1.12699	1.07535	90.00	0.59930	0.57494	0.66291	0.55738	0.64326	0.61105
1.80	1.11828	0.99823	1.21127	0.93595	1.10899	1.05851	95.00	0.59536	0.57115	0.65867	0.55370	0.63912	0.60710
1.90	1.09918	0.98505	1.18972	0.92597	1.09293	1.04347	100.00	0.59165	0.56758	0.65467	0.55023	0.63521	0.60337
2.00	1.08217	0.97317	1.17041	0.91690	1.07853	1.02992	125.00	0.57574	0.55229	0.63748	0.53537	0.61845	0.58738
2.20	1.05237	0.95271	1.13733	0.90096	1.05382	1.00647	150.00	0.56305	0.54008	0.62372	0.52351	0.60502	0.57458
2.40	1.02743	0.93531	1.10949	0.88738	1.03319	0.98686	175.00	0.55252	0.52995	0.61227	0.51367	0.59386	0.56395
2.60	1.00621	0.92048	1.08597	0.87557	1.01598	0.97014	200.00	0.54355	0.52132	0.60250	0.50528	0.58433	0.55487
2.80	0.98765	0.90753	1.06590	0.86513	1.00102	0.95577							
3.00	0.97142	0.89611	1.04861	0.85581	0.98788	0.94325							
3.20	0.95776	0.88593	1.03346	0.84742	0.97635	0.93214							
3.40	0.94458	0.87677	1.02002	0.83979	0.96608	0.92219							
3.60	0.93330	0.86848	1.00803	0.83281	0.95685	0.91323							
3.80	0.92307	0.86091	0.99723	0.82637	0.94845	0.90508							
4.00	0.91369	0.85389	0.98739	0.82039	0.94076	0.89765							
4.50	0.89343	0.83861	0.96642	0.80713	0.92407	0.88146							
5.00	0.87667	0.82568	0.94926	0.79574	0.91010	0.86793							
5.50	0.86264	0.81450	0.93482	0.78578	0.89815	0.85631							
6.00	0.85029	0.80467	0.92242	0.77692	0.88771	0.84617							
6.50	0.83961	0.79591	0.91155	0.76896	0.87844	0.83718							
7.00	0.83010	0.78802	0.90192	0.76173	0.87011	0.82910							
7.50	0.82155	0.78084	0.89331	0.75511	0.86256	0.82178							
8.00	0.81378	0.77426	0.88549	0.74902	0.85564	0.81508							
8.50	0.80668	0.76819	0.87834	0.74336	0.84927	0.80891							
9.00	0.80015	0.76255	0.87176	0.73809	0.84336	0.80318							
9.50	0.79411	0.75730	0.86568	0.73316	0.83785	0.79785							
10.00	0.78849	0.75237	0.86002	0.72852	0.83269	0.79286							
11.00	0.77833	0.74338	0.84976	0.72002	0.82327	0.78375							
12.00	0.76934	0.73532	0.84066	0.71237	0.81482	0.77559							
13.00	0.76126	0.72803	0.83247	0.70543	0.80717	0.76820							
14.00	0.75395	0.72137	0.82503	0.69908	0.80018	0.76146							

Collision integrals for the (16, 6, 8) potential function for $\gamma = 0.4$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.38537	3.01735	3.53852	2.77140	3.25818	3.20748	15.00	0.74922	0.71733	0.81998	0.69537	0.79563	0.75720
0.15	2.96470	2.63838	3.11181	2.41513	2.86838	2.80103	16.00	0.74309	0.71169	0.81373	0.68995	0.78970	0.75148
0.20	2.69204	2.38612	2.84592	2.16941	2.62612	2.53052	17.00	0.73742	0.70644	0.80794	0.68491	0.78418	0.74616
0.25	2.48980	2.19345	2.65644	1.97494	2.44604	2.32462	18.00	0.73214	0.70154	0.80253	0.68020	0.77901	0.74119
0.30	2.32855	2.03517	2.50559	1.81860	2.29982	2.16260	19.00	0.72721	0.69694	0.79747	0.67577	0.77416	0.73652
0.35	2.19522	1.90297	2.37884	1.69090	2.17260	2.02920	20.00	0.72257	0.69261	0.79270	0.67159	0.76958	0.73211
0.40	2.07777	1.79021	2.26676	1.58420	2.05727	1.91502	22.00	0.71408	0.68465	0.78395	0.66390	0.76116	0.72401
0.45	1.97714	1.69553	2.16813	1.49647	1.95521	1.81799	24.00	0.70646	0.67747	0.77606	0.65696	0.75354	0.71669
0.50	1.88922	1.61298	2.07755	1.42434	1.86660	1.73502	26.00	0.69954	0.67093	0.76889	0.65064	0.74660	0.71002
0.55	1.81134	1.54426	1.99781	1.36347	1.78408	1.66218	28.00	0.69322	0.66495	0.76231	0.64484	0.74022	0.70390
0.60	1.74179	1.48177	1.92264	1.31147	1.71124	1.59789	30.00	0.68740	0.65942	0.75624	0.63949	0.73433	0.69824
0.65	1.68071	1.42925	1.85575	1.26745	1.64776	1.54132	32.00	0.68201	0.65429	0.75060	0.63452	0.72886	0.69299
0.70	1.62577	1.38276	1.79532	1.23063	1.59178	1.49227	34.00	0.67699	0.64951	0.74534	0.62988	0.72374	0.68809
0.75	1.57606	1.34170	1.73927	1.19788	1.54083	1.44787	36.00	0.67230	0.64504	0.74042	0.62554	0.71895	0.68349
0.80	1.53186	1.30506	1.68795	1.16938	1.49582	1.40814	38.00	0.66789	0.64083	0.73579	0.62146	0.71444	0.67917
0.85	1.49168	1.27259	1.64190	1.14397	1.45524	1.37196	40.00	0.66374	0.63687	0.73142	0.61761	0.71019	0.67510
0.90	1.45430	1.24473	1.60091	1.12201	1.41903	1.34001	45.00	0.65432	0.62785	0.72147	0.60886	0.70049	0.66581
0.95	1.42061	1.21943	1.56252	1.10245	1.38626	1.31127	50.00	0.64601	0.61989	0.71267	0.60112	0.69191	0.65760
1.00	1.39092	1.19581	1.52656	1.08478	1.35661	1.28501	55.00	0.63859	0.61277	0.70479	0.59421	0.68422	0.65024
1.10	1.33682	1.15478	1.46359	1.05437	1.30552	1.23901	60.00	0.63189	0.60634	0.69766	0.58796	0.67726	0.64358
1.20	1.29019	1.12133	1.41045	1.02912	1.26283	1.20033	65.00	0.62578	0.60048	0.69115	0.58226	0.67090	0.63751
1.30	1.25114	1.09323	1.36465	1.00794	1.22672	1.16766	70.00	0.62018	0.59510	0.68517	0.57703	0.66506	0.63192
1.40	1.21857	1.06879	1.32504	0.98977	1.19592	1.13961	75.00	0.61501	0.59013	0.67964	0.57220	0.65966	0.62676
1.50	1.18828	1.04779	1.29087	0.97398	1.16952	1.11520	80.00	0.61021	0.58552	0.67449	0.56772	0.65464	0.62197
1.60	1.16155	1.02924	1.26053	0.96010	1.14656	1.09382	85.00	0.60574	0.58122	0.66969	0.56353	0.64995	0.61749
1.70	1.13717	1.01301	1.23359	0.94782	1.12646	1.07503	90.00	0.60155	0.57718	0.66519	0.55962	0.64556	0.61329
1.80	1.11656	0.99852	1.20960	0.93682	1.10862	1.05833	95.00	0.59761	0.57340	0.66095	0.55593	0.64142	0.60935
1.90	1.09822	0.98553	1.18830	0.92691	1.09271	1.04344	100.00	0.59389	0.56982	0.65695	0.55246	0.63752	0.60562
2.00	1.08140	0.97377	1.16924	0.91791	1.07844	1.03002	125.00	0.57798	0.55451	0.63978	0.53758	0.62075	0.58963
2.20	1.05210	0.95332	1.13639	0.90208	1.05392	1.00679	150.00	0.56528	0.54229	0.62602	0.52570	0.60733	0.57682
2.40	1.02717	0.93612	1.10898	0.88858	1.03342	0.98738	175.00	0.55474	0.53214	0.61458	0.51584	0.59616	0.56618
2.60	1.00614	0.92143	1.08574	0.87684	1.01631	0.97078	200.00	0.54576	0.52350	0.60480	0.50744	0.58663	0.55710
2.80	0.98793	0.90858	1.06583	0.86649	1.00157	0.95647							
3.00	0.97195	0.89723	1.04865	0.85723	0.98855	0.94405							
3.20	0.95773	0.88713	1.03364	0.84888	0.97705	0.93305							
3.40	0.94529	0.87804	1.02035	0.84130	0.96687	0.92317							
3.60	0.93399	0.86978	1.00845	0.83435	0.95768	0.91427							
3.80	0.92389	0.86224	0.99772	0.82795	0.94936	0.90618							
4.00	0.91462	0.85530	0.98800	0.82201	0.94174	0.89878							
4.50	0.89448	0.84011	0.96719	0.80882	0.92515	0.88272							
5.00	0.87791	0.82725	0.95014	0.79749	0.91129	0.86927							
5.50	0.86383	0.81614	0.93582	0.78757	0.89941	0.85773							
6.00	0.85168	0.80636	0.92350	0.77876	0.88905	0.84764							
6.50	0.84105	0.79765	0.91272	0.77084	0.87984	0.83870							
7.00	0.83161	0.78980	0.90315	0.76364	0.87156	0.83068							
7.50	0.82311	0.78265	0.89459	0.75705	0.86405	0.82339							
8.00	0.81540	0.77611	0.88683	0.75098	0.85719	0.81673							
8.50	0.80834	0.77006	0.87974	0.74534	0.85085	0.81059							
9.00	0.80185	0.76445	0.87320	0.74009	0.84498	0.80490							
9.50	0.79583	0.75921	0.86715	0.73518	0.83950	0.79960							
10.00	0.79024	0.75431	0.86153	0.73056	0.83437	0.79463							
11.00	0.78013	0.74535	0.85133	0.72209	0.82500	0.78556							
12.00	0.77118	0.73732	0.84228	0.71446	0.81660	0.77744							
13.00	0.76315	0.73006	0.83414	0.70754	0.80899	0.77009							
14.00	0.75586	0.72343	0.82675	0.70121	0.80203	0.76338							

Collision integrals for the (16, 6, 8) potential function for $\gamma = 0.6$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.29341	2.94385	3.45654	2.70898	3.18685	3.13200	15.00	0.75104	0.71928	0.82163	0.69739	0.79741	0.75903
0.15	2.89369	2.58170	3.04585	2.36982	2.81256	2.74422	16.00	0.74494	0.71366	0.81542	0.69199	0.79151	0.75334
0.20	2.63397	2.34225	2.79081	2.13632	2.57938	2.48631	17.00	0.73930	0.70843	0.80965	0.68696	0.78601	0.74804
0.25	2.44186	2.15794	2.60731	1.95185	2.40795	2.29077	18.00	0.73404	0.70354	0.80427	0.68225	0.78087	0.74308
0.30	2.28766	2.00772	2.46378	1.80161	2.26762	2.13484	19.00	0.72912	0.69895	0.79923	0.67783	0.77603	0.73842
0.35	2.15882	1.88095	2.34217	1.67645	2.14356	2.00441	20.00	0.72450	0.69463	0.79449	0.67366	0.77148	0.73404
0.40	2.04801	1.77329	2.23567	1.57382	2.03387	1.89510	22.00	0.71603	0.68669	0.78578	0.66599	0.76308	0.72596
0.45	1.95160	1.68104	2.14007	1.48973	1.93694	1.80290	24.00	0.70843	0.67952	0.77792	0.65906	0.75550	0.71866
0.50	1.86673	1.60263	2.05458	1.41777	1.84778	1.72059	26.00	0.70153	0.67300	0.77078	0.65274	0.74858	0.71201
0.55	1.79207	1.53308	1.97497	1.35928	1.77123	1.65113	28.00	0.69522	0.66702	0.76422	0.64695	0.74222	0.70590
0.60	1.72554	1.47470	1.90505	1.30798	1.70016	1.58806	30.00	0.68942	0.66150	0.75817	0.64160	0.73635	0.70026
0.65	1.66607	1.42171	1.83855	1.26466	1.63807	1.53308	32.00	0.68404	0.65638	0.75256	0.63663	0.73089	0.69502
0.70	1.61287	1.37719	1.78069	1.22833	1.58375	1.48495	34.00	0.67903	0.65161	0.74732	0.63200	0.72579	0.69013
0.75	1.56558	1.33776	1.72765	1.19647	1.53438	1.44198	36.00	0.67435	0.64714	0.74241	0.62766	0.72101	0.68554
0.80	1.52116	1.30111	1.67679	1.16792	1.48970	1.40267	38.00	0.66995	0.64294	0.73779	0.62358	0.71651	0.68123
0.85	1.48273	1.26941	1.63193	1.14303	1.45013	1.36754	40.00	0.66581	0.63898	0.73344	0.61974	0.71226	0.67716
0.90	1.44692	1.24146	1.59152	1.12116	1.41459	1.33592	45.00	0.65640	0.62997	0.72352	0.61098	0.70259	0.66789
0.95	1.41338	1.21699	1.55470	1.10183	1.38245	1.30763	50.00	0.64810	0.62201	0.71474	0.60325	0.69402	0.65969
1.00	1.38329	1.19417	1.51994	1.08444	1.35331	1.28195	55.00	0.64069	0.61490	0.70687	0.59634	0.68634	0.65234
1.10	1.33186	1.15362	1.45799	1.05421	1.30275	1.23660	60.00	0.63399	0.60847	0.69976	0.59008	0.67939	0.64569
1.20	1.28564	1.12017	1.40564	1.02924	1.26078	1.19854	65.00	0.62789	0.60261	0.69326	0.58438	0.67305	0.63962
1.30	1.24706	1.09250	1.36074	1.00822	1.22517	1.16625	70.00	0.62229	0.59722	0.68729	0.57915	0.66721	0.63404
1.40	1.21516	1.06848	1.32178	0.99020	1.19469	1.13855	75.00	0.61713	0.59226	0.68176	0.57432	0.66182	0.62888
1.50	1.18631	1.04748	1.28790	0.97454	1.16854	1.11447	80.00	0.61233	0.58764	0.67663	0.56983	0.65680	0.62409
1.60	1.15931	1.02922	1.25819	0.96076	1.14582	1.09333	85.00	0.60785	0.58334	0.67183	0.56565	0.65212	0.61961
1.70	1.13567	1.01314	1.23172	0.94854	1.12588	1.07467	90.00	0.60366	0.57930	0.66734	0.56173	0.64773	0.61541
1.80	1.11496	0.99879	1.20803	0.93762	1.10823	1.05815	95.00	0.59973	0.57551	0.66310	0.55804	0.64359	0.61147
1.90	1.09685	0.98591	1.18690	0.92778	1.09249	1.04338	100.00	0.59601	0.57194	0.65911	0.55456	0.63969	0.60774
2.00	1.08049	0.97428	1.16805	0.91884	1.07834	1.03010	125.00	0.58010	0.55661	0.64195	0.53966	0.62293	0.59175
2.20	1.05126	0.95393	1.13551	0.90312	1.05401	1.00708	150.00	0.56738	0.54437	0.62820	0.52776	0.60950	0.57894
2.40	1.02691	0.93688	1.10846	0.88971	1.03364	0.98784	175.00	0.55683	0.53422	0.61675	0.51789	0.59833	0.56829
2.60	1.00611	0.92230	1.08549	0.87804	1.01664	0.97138	200.00	0.54784	0.52556	0.60697	0.50947	0.58879	0.55920
2.80	0.98807	0.90956	1.06575	0.86775	1.00204	0.95715							
3.00	0.97233	0.89829	1.04869	0.85855	0.98916	0.94479							
3.20	0.95826	0.88824	1.03380	0.85025	0.97774	0.93388							
3.40	0.94572	0.87921	1.02063	0.84271	0.96758	0.92409							
3.60	0.93461	0.87101	1.00885	0.83580	0.95848	0.91524							
3.80	0.92460	0.86351	0.99820	0.82943	0.95021	0.90721							
4.00	0.91546	0.85661	0.98855	0.82352	0.94265	0.89985							
4.50	0.89549	0.84151	0.96790	0.81040	0.92617	0.88390							
5.00	0.87901	0.82873	0.95097	0.79913	0.91241	0.87052							
5.50	0.86506	0.81768	0.93676	0.78926	0.90060	0.85906							
6.00	0.85297	0.80795	0.92451	0.78049	0.89030	0.84903							
6.50	0.84240	0.79928	0.91382	0.77260	0.88115	0.84014							
7.00	0.83302	0.79147	0.90431	0.76543	0.87293	0.83216							
7.50	0.82457	0.78436	0.89579	0.75887	0.86546	0.82491							
8.00	0.81691	0.77784	0.88809	0.75282	0.85864	0.81829							
8.50	0.80990	0.77182	0.88104	0.74721	0.85234	0.81218							
9.00	0.80344	0.76623	0.87455	0.74198	0.84650	0.80652							
9.50	0.79746	0.76102	0.86854	0.73708	0.84106	0.80124							
10.00	0.79189	0.75614	0.86295	0.73248	0.83596	0.79630							
11.00	0.78183	0.74721	0.85281	0.72403	0.82663	0.78727							
12.00	0.77292	0.73921	0.84382	0.71643	0.81827	0.77919							
13.00	0.76491	0.73197	0.83572	0.70953	0.81070	0.77187							
14.00	0.75766	0.72536	0.82837	0.70321	0.80378	0.76518							

Collision integrals for the (16, 6, 8) potential function for $\gamma = 0.8$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.20167	2.86911	3.37263	2.64713	3.11569	3.05665	15.00	0.75277	0.72113	0.82319	0.69930	0.79909	0.76076
0.15	2.82244	2.52783	2.98287	2.32606	2.75802	2.68941	16.00	0.74669	0.71552	0.81701	0.69391	0.79321	0.75509
0.20	2.57664	2.29988	2.73698	2.10358	2.53359	2.44263	17.00	0.74106	0.71030	0.81127	0.68889	0.78774	0.74980
0.25	2.39467	2.12537	2.56189	1.92820	2.36959	2.25639	18.00	0.73582	0.70542	0.80591	0.68419	0.78261	0.74486
0.30	2.24731	1.98092	2.42289	1.78402	2.23510	2.10675	19.00	0.73092	0.70085	0.80090	0.67978	0.77780	0.74022
0.35	2.12480	1.85984	2.30685	1.66426	2.11737	1.98238	20.00	0.72631	0.69654	0.79618	0.67562	0.77326	0.73585
0.40	2.01889	1.75642	2.20493	1.56487	2.01230	1.87718	22.00	0.71787	0.68861	0.78750	0.66795	0.76490	0.72779
0.45	1.92672	1.66758	2.11353	1.48269	1.91850	1.78749	24.00	0.71029	0.68146	0.77968	0.66103	0.75734	0.72052
0.50	1.84530	1.59114	2.03092	1.41222	1.83243	1.70731	26.00	0.70341	0.67495	0.77256	0.65473	0.75044	0.71389
0.55	1.77347	1.52399	1.95472	1.35470	1.75797	1.63987	28.00	0.69712	0.66898	0.76603	0.64894	0.74411	0.70779
0.60	1.70931	1.46732	1.88724	1.30523	1.69016	1.57924	30.00	0.69133	0.66347	0.76000	0.64360	0.73825	0.70217
0.65	1.65191	1.41596	1.82364	1.26214	1.62897	1.52510	32.00	0.68596	0.65836	0.75440	0.63863	0.73280	0.69694
0.70	1.60021	1.37177	1.76663	1.22592	1.57566	1.47775	34.00	0.68096	0.65359	0.74918	0.63401	0.72772	0.69205
0.75	1.55413	1.33322	1.71544	1.19489	1.52791	1.43602	36.00	0.67629	0.64913	0.74429	0.62967	0.72295	0.68748
0.80	1.51174	1.29807	1.66692	1.16686	1.48420	1.39775	38.00	0.67190	0.64493	0.73968	0.62559	0.71846	0.68317
0.85	1.47313	1.26605	1.62200	1.14221	1.44528	1.36326	40.00	0.66776	0.64097	0.73534	0.62175	0.71423	0.67911
0.90	1.43923	1.23842	1.58241	1.12038	1.41026	1.33206	45.00	0.65837	0.63197	0.72545	0.61300	0.70457	0.66985
0.95	1.40695	1.21423	1.54663	1.10119	1.37872	1.30411	50.00	0.65008	0.62402	0.71669	0.60527	0.69602	0.66166
1.00	1.37684	1.19225	1.51321	1.08401	1.35006	1.27888	55.00	0.64267	0.61691	0.70884	0.59835	0.68836	0.65432
1.10	1.32635	1.15228	1.45230	1.05416	1.30023	1.23441	60.00	0.63598	0.61048	0.70174	0.59210	0.68141	0.64768
1.20	1.28216	1.11913	1.40097	1.02937	1.25881	1.19683	65.00	0.62989	0.60462	0.69525	0.58640	0.67508	0.64161
1.30	1.24347	1.09169	1.35689	1.00847	1.22367	1.16490	70.00	0.62429	0.59924	0.68929	0.58116	0.66925	0.63604
1.40	1.21149	1.06812	1.31862	0.99059	1.19354	1.13751	75.00	0.61913	0.59426	0.68378	0.57633	0.66386	0.63088
1.50	1.18392	1.04729	1.28511	0.97505	1.16760	1.11373	80.00	0.61433	0.58965	0.67865	0.57184	0.65885	0.62609
1.60	1.15776	1.02924	1.25595	0.96138	1.14511	1.09283	85.00	0.60986	0.58534	0.67386	0.56765	0.65417	0.62162
1.70	1.13440	1.01323	1.22987	0.94923	1.12534	1.07436	90.00	0.60567	0.58131	0.66937	0.56372	0.64978	0.61742
1.80	1.11355	0.99903	1.20652	0.93838	1.10787	1.05797	95.00	0.60173	0.57751	0.66514	0.56003	0.64565	0.61347
1.90	1.09549	0.98625	1.18559	0.92859	1.09226	1.04333	100.00	0.59801	0.57394	0.66115	0.55655	0.64175	0.60975
2.00	1.07940	0.97471	1.16688	0.91971	1.07824	1.03015	125.00	0.58209	0.55860	0.64400	0.54164	0.62499	0.59375
2.20	1.05081	0.95457	1.13473	0.90409	1.05409	1.00734	150.00	0.56937	0.54635	0.63025	0.52972	0.61156	0.58094
2.40	1.02670	0.93761	1.10797	0.89077	1.03386	0.98827	175.00	0.55882	0.53618	0.61881	0.51983	0.60039	0.57028
2.60	1.00605	0.92310	1.08524	0.87916	1.01695	0.97194	200.00	0.54981	0.52751	0.60903	0.51140	0.59085	0.56118
2.80	0.98820	0.91047	1.06568	0.86893	1.00244	0.95781							
3.00	0.97260	0.89928	1.04874	0.85979	0.98974	0.94548							
3.20	0.95876	0.88929	1.03394	0.85154	0.97839	0.93465							
3.40	0.94626	0.88031	1.02088	0.84403	0.96827	0.92495							
3.60	0.93523	0.87217	1.00920	0.83716	0.95922	0.91616							
3.80	0.92524	0.86471	0.99866	0.83082	0.95100	0.90818							
4.00	0.91620	0.85785	0.98908	0.82495	0.94350	0.90087							
4.50	0.89645	0.84282	0.96856	0.81189	0.92714	0.88500							
5.00	0.88004	0.83012	0.95175	0.80068	0.91347	0.87170							
5.50	0.86621	0.81913	0.93763	0.79086	0.90172	0.86030							
6.00	0.85418	0.80945	0.92547	0.78212	0.89148	0.85034							
6.50	0.84367	0.80082	0.91485	0.77427	0.88239	0.84149							
7.00	0.83435	0.79304	0.90541	0.76713	0.87422	0.83355							
7.50	0.82595	0.78596	0.89694	0.76059	0.86679	0.82635							
8.00	0.81833	0.77947	0.88928	0.75456	0.86001	0.81975							
8.50	0.81136	0.77348	0.88228	0.74897	0.85375	0.81368							
9.00	0.80494	0.76792	0.87583	0.74376	0.84794	0.80804							
9.50	0.79899	0.76272	0.86985	0.73888	0.84252	0.80279							
10.00	0.79345	0.75786	0.86429	0.73429	0.83745	0.79787							
11.00	0.78342	0.74896	0.85421	0.72587	0.82817	0.78888							
12.00	0.77455	0.74099	0.84526	0.71829	0.81986	0.78083							
13.00	0.76659	0.73378	0.83721	0.71141	0.81232	0.77355							
14.00	0.75937	0.72719	0.82989	0.70511	0.80543	0.76689							

Collision integrals for the (16, 6, 8) potential function for $\gamma = 1.0$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.11044	2.79685	3.29055	2.58704	3.04575	2.98311	15.00	0.75440	0.72288	0.82467	0.70111	0.80068	0.76240
0.15	2.75176	2.47322	2.91817	2.28301	2.70423	2.63446	16.00	0.74835	0.71728	0.81851	0.69573	0.79483	0.75674
0.20	2.51717	2.25814	2.68386	2.07135	2.48850	2.39992	17.00	0.74274	0.71208	0.81280	0.69072	0.78938	0.75148
0.25	2.34565	2.09134	2.51509	1.90491	2.33210	2.22268	18.00	0.73751	0.70721	0.80747	0.68603	0.78427	0.74655
0.30	2.20791	1.95500	2.38347	1.76696	2.20365	2.07954	19.00	0.73263	0.70265	0.80247	0.68163	0.77948	0.74193
0.35	2.09196	1.83907	2.27229	1.65185	2.09136	1.96029	20.00	0.72804	0.69835	0.79777	0.67747	0.77496	0.73757
0.40	1.99031	1.73976	2.17481	1.55625	1.99130	1.85953	22.00	0.71962	0.69044	0.78913	0.66982	0.76662	0.72954
0.45	1.90227	1.65414	2.08728	1.47521	1.89992	1.77147	24.00	0.71206	0.68330	0.78134	0.66291	0.75909	0.72228
0.50	1.82416	1.58003	2.00785	1.40741	1.81819	1.69519	26.00	0.70520	0.67680	0.77425	0.65661	0.75221	0.71567
0.55	1.75511	1.51551	1.93542	1.35043	1.74516	1.62884	28.00	0.69892	0.67084	0.76774	0.65083	0.74589	0.70959
0.60	1.69330	1.45951	1.86927	1.30230	1.68012	1.57042	30.00	0.69314	0.66534	0.76173	0.64549	0.74005	0.70397
0.65	1.63775	1.41034	1.80910	1.25960	1.61996	1.51718	32.00	0.68778	0.66024	0.75615	0.64053	0.73462	0.69876
0.70	1.58796	1.36600	1.75233	1.22359	1.56771	1.47082	34.00	0.68279	0.65547	0.75095	0.63591	0.72955	0.69388
0.75	1.54286	1.32841	1.70297	1.19307	1.52127	1.42992	36.00	0.67812	0.65101	0.74607	0.63158	0.72479	0.68932
0.80	1.50264	1.29483	1.65700	1.16587	1.47892	1.39293	38.00	0.67374	0.64682	0.74148	0.62750	0.72032	0.68502
0.85	1.46450	1.26337	1.61303	1.14128	1.44042	1.35893	40.00	0.66961	0.64287	0.73715	0.62366	0.71609	0.68096
0.90	1.43112	1.23581	1.57394	1.11971	1.40611	1.32840	45.00	0.66023	0.63387	0.72728	0.61491	0.70645	0.67172
0.95	1.40026	1.21138	1.53850	1.10056	1.37504	1.30074	50.00	0.65195	0.62593	0.71854	0.60718	0.69792	0.66354
1.00	1.37122	1.18998	1.50619	1.08355	1.34686	1.27583	55.00	0.64455	0.61881	0.71071	0.60026	0.69026	0.65620
1.10	1.32109	1.15124	1.44714	1.05410	1.29782	1.23225	60.00	0.63787	0.61239	0.70362	0.59401	0.68333	0.64956
1.20	1.27851	1.11828	1.39654	1.02942	1.25683	1.19511	65.00	0.63178	0.60652	0.69715	0.58830	0.67700	0.64350
1.30	1.23991	1.09087	1.35309	1.00869	1.22218	1.16359	70.00	0.62619	0.60114	0.69119	0.58307	0.67118	0.63793
1.40	1.20791	1.06765	1.31547	0.99096	1.19241	1.13651	75.00	0.62102	0.59617	0.68569	0.57823	0.66580	0.63278
1.50	1.18104	1.04718	1.28254	0.97551	1.16671	1.11299	80.00	0.61623	0.59156	0.68056	0.57374	0.66079	0.62799
1.60	1.15627	1.02914	1.25362	0.96195	1.14441	1.09234	85.00	0.61176	0.58725	0.67578	0.56954	0.65611	0.62352
1.70	1.13295	1.01330	1.22802	0.94989	1.12483	1.07406	90.00	0.60757	0.58321	0.67129	0.56562	0.65172	0.61933
1.80	1.11243	0.99923	1.20503	0.93908	1.10749	1.05779	95.00	0.60363	0.57942	0.66707	0.56192	0.64760	0.61538
1.90	1.09421	0.98657	1.18435	0.92936	1.09203	1.04327	100.00	0.59991	0.57584	0.66308	0.55844	0.64370	0.61165
2.00	1.07823	0.97511	1.16578	0.92053	1.07814	1.03020	125.00	0.58399	0.56049	0.64595	0.54351	0.62695	0.59566
2.20	1.05033	0.95516	1.13397	0.90501	1.05417	1.00758	150.00	0.57126	0.54822	0.63220	0.53158	0.61352	0.58284
2.40	1.02629	0.93825	1.10742	0.89174	1.03425	0.98861	175.00	0.56070	0.53804	0.62076	0.52167	0.60234	0.57218
2.60	1.00594	0.92384	1.08496	0.88022	1.01726	0.97246	200.00	0.55169	0.52936	0.61098	0.51323	0.59279	0.56307
2.80	0.98832	0.91131	1.06560	0.87004	1.00282	0.95845							
3.00	0.97282	0.90021	1.04879	0.86097	0.99023	0.94617							
3.20	0.95915	0.89028	1.03409	0.85276	0.97901	0.93538							
3.40	0.94684	0.88135	1.02111	0.84529	0.96895	0.92575							
3.60	0.93574	0.87325	1.00952	0.83845	0.95993	0.91704							
3.80	0.92585	0.86584	0.99907	0.83214	0.95176	0.90910							
4.00	0.91686	0.85902	0.98957	0.82630	0.94429	0.90184							
4.50	0.89734	0.84407	0.96921	0.81331	0.92806	0.88605							
5.00	0.88102	0.83143	0.95250	0.80214	0.91445	0.87283							
5.50	0.86727	0.82049	0.93845	0.79236	0.90279	0.86149							
6.00	0.85535	0.81087	0.92638	0.78367	0.89259	0.85158							
6.50	0.84488	0.80228	0.91582	0.77584	0.88356	0.84277							
7.00	0.83559	0.79454	0.90645	0.76873	0.87544	0.83487							
7.50	0.82726	0.78748	0.89802	0.76222	0.86805	0.82770							
8.00	0.81967	0.78102	0.89040	0.75621	0.86130	0.82114							
8.50	0.81274	0.77505	0.88344	0.75064	0.85507	0.81509							
9.00	0.80635	0.76951	0.87703	0.74545	0.84930	0.80948							
9.50	0.80043	0.76434	0.87109	0.74058	0.84391	0.80425							
10.00	0.79492	0.75949	0.86556	0.73601	0.83886	0.79936							
11.00	0.78494	0.75063	0.85553	0.72761	0.82963	0.79041							
12.00	0.77610	0.74268	0.84662	0.72006	0.82136	0.78239							
13.00	0.76817	0.73549	0.83862	0.71319	0.81385	0.77513							
14.00	0.76097	0.72892	0.83134	0.70690	0.80700	0.76850							

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Collision integrals for the (17, 6, 8) potential function for $\gamma = 0$.

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.49989	3.10674	3.64027	2.84247	3.34206	3.29595	15.00	0.75545	0.72429	0.82444	0.70289	0.80063	0.76324
0.15	3.04947	2.70299	3.19052	2.46463	2.93322	2.86549	16.00	0.74947	0.71879	0.81833	0.69763	0.79485	0.75767
0.20	2.75945	2.43405	2.90960	2.20253	2.67606	2.57726	17.00	0.74393	0.71368	0.81267	0.69272	0.78947	0.75248
0.25	2.54372	2.22729	2.70616	1.99878	2.48717	2.36133	18.00	0.73878	0.70891	0.80739	0.68814	0.78444	0.74763
0.30	2.37266	2.06110	2.54785	1.83444	2.33139	2.18996	19.00	0.73396	0.70443	0.80245	0.68383	0.77971	0.74309
0.35	2.22954	1.92288	2.41431	1.70182	2.19671	2.05062	20.00	0.72944	0.70022	0.79780	0.67977	0.77526	0.73880
0.40	2.10800	1.80618	2.29699	1.59352	2.07779	1.93366	22.00	0.72116	0.69248	0.78927	0.67230	0.76706	0.73092
0.45	2.00208	1.70807	2.19340	1.50219	1.96969	1.83117	24.00	0.71373	0.68550	0.78158	0.66556	0.75965	0.72380
0.50	1.91034	1.62261	2.09825	1.42886	1.87653	1.74612	26.00	0.70700	0.67915	0.77460	0.65942	0.75290	0.71731
0.55	1.82939	1.55136	2.01443	1.36707	1.79294	1.67107	28.00	0.70084	0.67333	0.76819	0.65379	0.74670	0.71136
0.60	1.75789	1.48822	1.93698	1.31489	1.71894	1.60573	30.00	0.69518	0.66796	0.76229	0.64859	0.74098	0.70587
0.65	1.69466	1.43485	1.86825	1.27096	1.65455	1.54830	32.00	0.68993	0.66298	0.75680	0.64377	0.73566	0.70076
0.70	1.63855	1.38802	1.80644	1.23351	1.59679	1.49812	34.00	0.68505	0.65833	0.75169	0.63927	0.73069	0.69600
0.75	1.58653	1.34570	1.74787	1.20052	1.54507	1.45282	36.00	0.68049	0.65399	0.74691	0.63506	0.72604	0.69154
0.80	1.54262	1.30918	1.69620	1.17164	1.49919	1.41213	38.00	0.67621	0.64991	0.74240	0.63109	0.72166	0.68734
0.85	1.49990	1.27685	1.64983	1.14664	1.45846	1.37596	40.00	0.67218	0.64606	0.73816	0.62736	0.71753	0.68338
0.90	1.46173	1.24872	1.60751	1.12469	1.42173	1.34381	45.00	0.66302	0.63731	0.72850	0.61887	0.70812	0.67437
0.95	1.42877	1.22262	1.56773	1.10505	1.38861	1.31469	50.00	0.65495	0.62958	0.71996	0.61136	0.69980	0.66640
1.00	1.39717	1.19887	1.53138	1.08732	1.35872	1.28805	55.00	0.64774	0.62267	0.71231	0.60465	0.69234	0.65926
1.10	1.34192	1.15771	1.46767	1.05695	1.30729	1.24168	60.00	0.64123	0.61643	0.70539	0.59859	0.68559	0.65280
1.20	1.29542	1.12442	1.41376	1.03188	1.26440	1.20290	65.00	0.63531	0.61074	0.69907	0.59306	0.67943	0.64691
1.30	1.25664	1.09609	1.36742	1.01076	1.22811	1.17013	70.00	0.62987	0.60552	0.69327	0.58799	0.67377	0.64149
1.40	1.22288	1.07174	1.32772	0.99268	1.19733	1.14196	75.00	0.62485	0.60070	0.68791	0.58330	0.66854	0.63649
1.50	1.19203	1.05055	1.29303	0.97697	1.17089	1.11749	80.00	0.62019	0.59622	0.68292	0.57895	0.66367	0.63183
1.60	1.16451	1.03220	1.26249	0.96320	1.14797	1.09613	85.00	0.61585	0.59205	0.67826	0.57489	0.65913	0.62749
1.70	1.14093	1.01599	1.23535	0.95099	1.12781	1.07734	90.00	0.61178	0.58814	0.67390	0.57109	0.65487	0.62342
1.80	1.12039	1.00156	1.21134	0.94010	1.11001	1.06069	95.00	0.60796	0.58446	0.66979	0.56751	0.65086	0.61959
1.90	1.10184	0.98861	1.19005	0.93027	1.09413	1.04583	100.00	0.60435	0.58099	0.66592	0.56414	0.64708	0.61598
2.00	1.08478	0.97687	1.17091	0.92134	1.07989	1.03244	125.00	0.58891	0.56613	0.64928	0.54969	0.63084	0.60046
2.20	1.05529	0.95658	1.13803	0.90566	1.05549	1.00929	150.00	0.57658	0.55426	0.63594	0.53815	0.61782	0.58804
2.40	1.03057	0.93953	1.11058	0.89232	1.03513	0.98995	175.00	0.56635	0.54441	0.62485	0.52857	0.60700	0.57772
2.60	1.00952	0.92493	1.08733	0.88071	1.01814	0.97345	200.00	0.55762	0.53601	0.61538	0.52040	0.59776	0.56890
2.80	0.99135	0.91218	1.06750	0.87048	1.00339	0.95930							
3.00	0.97533	0.90095	1.05041	0.86134	0.99045	0.94698							
3.20	0.96131	0.89096	1.03546	0.85312	0.97910	0.93605							
3.40	0.94879	0.88196	1.02221	0.84565	0.96900	0.92627							
3.60	0.93770	0.87380	1.01036	0.83881	0.95991	0.91745							
3.80	0.92762	0.86636	0.99970	0.83251	0.95166	0.90946							
4.00	0.91837	0.85951	0.99004	0.82667	0.94411	0.90216							
4.50	0.89841	0.84454	0.96939	0.81371	0.92773	0.88629							
5.00	0.88201	0.83188	0.95252	0.80260	0.91404	0.87303							
5.50	0.86808	0.82095	0.93834	0.79288	0.90234	0.86166							
6.00	0.85608	0.81135	0.92617	0.78425	0.89213	0.85175							
6.50	0.84561	0.80280	0.91551	0.77650	0.88307	0.84297							
7.00	0.83629	0.79510	0.90609	0.76946	0.87494	0.83509							
7.50	0.82792	0.78810	0.89766	0.76302	0.86757	0.82794							
8.00	0.82033	0.78168	0.89001	0.75708	0.86083	0.82141							
8.50	0.81339	0.77577	0.88302	0.75158	0.85462	0.81540							
9.00	0.80700	0.77028	0.87660	0.74646	0.84887	0.80983							
9.50	0.80110	0.76516	0.87066	0.74167	0.84350	0.80464							
10.00	0.79562	0.76037	0.86514	0.73716	0.83848	0.79978							
11.00	0.78571	0.75162	0.85514	0.72890	0.82931	0.79091							
12.00	0.77694	0.74378	0.84626	0.72148	0.82110	0.78298							
13.00	0.76907	0.73670	0.83829	0.71474	0.81367	0.77581							
14.00	0.76195	0.73023	0.83106	0.70857	0.80688	0.76926							

Collision integrals for the (17, 6, 8) potential function for $\nu = 0.2$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.40407	3.02751	3.55335	2.77654	3.26808	3.21701	15.00	0.75745	0.72642	0.82624	0.70509	0.80258	0.76523
0.15	2.97432	2.64033	3.11815	2.41398	2.87124	2.80288	16.00	0.75149	0.72094	0.82017	0.69984	0.79682	0.75968
0.20	2.69634	2.38513	2.84848	2.16569	2.62457	2.52868	17.00	0.74597	0.71584	0.81454	0.69495	0.79147	0.75452
0.25	2.49152	2.19031	2.65534	1.97074	2.44230	2.32123	18.00	0.74084	0.71109	0.80929	0.69037	0.78646	0.74969
0.30	2.32770	2.03160	2.50282	1.81481	2.29495	2.15872	19.00	0.73604	0.70662	0.80438	0.68607	0.78175	0.74516
0.35	2.19302	1.89933	2.37485	1.68708	2.16650	2.02445	20.00	0.73154	0.70242	0.79975	0.68202	0.77732	0.74089
0.40	2.07571	1.78702	2.26225	1.58118	2.05120	1.91051	22.00	0.72329	0.69469	0.79126	0.67457	0.76915	0.73303
0.45	1.97463	1.69250	2.16306	1.49476	1.94997	1.81448	24.00	0.71588	0.68773	0.78361	0.66783	0.76177	0.72594
0.50	1.88656	1.61081	2.07277	1.42257	1.86110	1.73109	26.00	0.70917	0.68139	0.77665	0.66170	0.75505	0.71947
0.55	1.80879	1.54168	1.99222	1.36285	1.77947	1.65925	28.00	0.70303	0.67558	0.77028	0.65608	0.74887	0.71354
0.60	1.73953	1.48044	1.91797	1.31091	1.70660	1.59483	30.00	0.69738	0.67022	0.76439	0.65089	0.74317	0.70806
0.65	1.67858	1.42754	1.85049	1.26760	1.64377	1.53897	32.00	0.69214	0.66525	0.75893	0.64607	0.73786	0.70297
0.70	1.62379	1.38212	1.79096	1.23120	1.58826	1.49028	34.00	0.68727	0.66061	0.75384	0.64157	0.73291	0.69822
0.75	1.57468	1.34143	1.73525	1.19877	1.53767	1.44618	36.00	0.68272	0.65627	0.74907	0.63736	0.72827	0.69376
0.80	1.53012	1.30465	1.68370	1.17043	1.49286	1.40662	38.00	0.67845	0.65219	0.74458	0.63340	0.72391	0.68958
0.85	1.49066	1.27279	1.63821	1.14543	1.45273	1.37089	40.00	0.67442	0.64835	0.74035	0.62967	0.71979	0.68562
0.90	1.45362	1.24526	1.59754	1.12371	1.41683	1.33918	45.00	0.66528	0.63960	0.73072	0.62117	0.71040	0.67663
0.95	1.41966	1.22027	1.55951	1.10438	1.38437	1.31071	50.00	0.65722	0.63188	0.72220	0.61367	0.70210	0.66866
1.00	1.39020	1.19683	1.52374	1.08694	1.35500	1.28471	55.00	0.65002	0.62497	0.71457	0.60696	0.69465	0.66153
1.10	1.33699	1.15621	1.46120	1.05684	1.30432	1.23909	60.00	0.64352	0.61873	0.70766	0.60089	0.68791	0.65508
1.20	1.29018	1.12311	1.40847	1.03196	1.26210	1.20085	65.00	0.63759	0.61304	0.70136	0.59536	0.68176	0.64919
1.30	1.25182	1.09536	1.36311	1.01105	1.22636	1.16851	70.00	0.63216	0.60782	0.69557	0.59029	0.67611	0.64378
1.40	1.21966	1.07119	1.32382	0.99313	1.19588	1.14077	75.00	0.62714	0.60300	0.69021	0.58560	0.67088	0.63878
1.50	1.18963	1.05042	1.28995	0.97757	1.16977	1.11664	80.00	0.62249	0.59852	0.68524	0.58124	0.66602	0.63413
1.60	1.16288	1.03215	1.25993	0.96388	1.14706	1.09551	85.00	0.61814	0.59434	0.68059	0.57718	0.66148	0.62979
1.70	1.13898	1.01612	1.23325	0.95179	1.12718	1.07693	90.00	0.61408	0.59043	0.67623	0.57337	0.65722	0.62572
1.80	1.11856	1.00182	1.20951	0.94096	1.10956	1.06044	95.00	0.61025	0.58675	0.67213	0.56979	0.65321	0.62189
1.90	1.10045	0.98902	1.18843	0.93121	1.09384	1.04574	100.00	0.60665	0.58328	0.66825	0.56642	0.64943	0.61827
2.00	1.08386	0.97743	1.16958	0.92235	1.07975	1.03249	125.00	0.59120	0.56840	0.65162	0.55195	0.63319	0.60276
2.20	1.05473	0.95724	1.13705	0.90679	1.05554	1.00958	150.00	0.57886	0.55652	0.63829	0.54038	0.62018	0.59033
2.40	1.03026	0.94034	1.10999	0.89354	1.03533	0.99044	175.00	0.56861	0.54665	0.62720	0.53079	0.60935	0.57999
2.60	1.00947	0.92588	1.08703	0.88202	1.01846	0.97409	200.00	0.55988	0.53824	0.61773	0.52260	0.60010	0.57117
2.80	0.99151	0.91324	1.06737	0.87186	1.00394	0.96000							
3.00	0.97578	0.90209	1.05041	0.86279	0.99112	0.94777							
3.20	0.96173	0.89217	1.03561	0.85462	0.97980	0.93696							
3.40	0.94943	0.88325	1.02251	0.84719	0.96979	0.92726							
3.60	0.93835	0.87515	1.01078	0.84040	0.96076	0.91852							
3.80	0.92842	0.86774	1.00021	0.83413	0.95259	0.91057							
4.00	0.91930	0.86095	0.99064	0.82833	0.94511	0.90332							
4.50	0.89949	0.84607	0.97016	0.81545	0.92884	0.88757							
5.00	0.88322	0.83350	0.95342	0.80439	0.91526	0.87441							
5.50	0.86940	0.82263	0.93936	0.79473	0.90364	0.86312							
6.00	0.85749	0.81309	0.92728	0.78614	0.89351	0.85326							
6.50	0.84708	0.80458	0.91672	0.77842	0.88451	0.84453							
7.00	0.83784	0.79692	0.90735	0.77142	0.87643	0.83670							
7.50	0.82952	0.78996	0.89897	0.76501	0.86911	0.82960							
8.00	0.82198	0.78358	0.89139	0.75910	0.86242	0.82311							
8.50	0.81509	0.77769	0.88446	0.75362	0.85625	0.81713							
9.00	0.80875	0.77223	0.87808	0.74852	0.85053	0.81159							
9.50	0.80287	0.76713	0.87217	0.74374	0.84520	0.80643							
10.00	0.79742	0.76236	0.86669	0.73925	0.84021	0.80160							
11.00	0.78756	0.75365	0.85675	0.73102	0.83110	0.79278							
12.00	0.77883	0.74584	0.84794	0.72362	0.82293	0.78489							
13.00	0.77101	0.73878	0.84002	0.71690	0.81554	0.77775							
14.00	0.76392	0.73234	0.83283	0.71075	0.80879	0.77123							

Collision integrals for the (17, 6, 8) potential function for $\gamma = 0.4$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.30852	2.95080	3.46811	2.71085	3.19329	3.13781	15.00	0.75931	0.72841	0.82794	0.70715	0.80440	0.76710
0.15	2.90006	2.58203	3.05038	2.36649	2.81273	2.74356	16.00	0.75338	0.72295	0.82190	0.70191	0.79867	0.76158
0.20	2.63568	2.33918	2.79072	2.13147	2.57625	2.48293	17.00	0.74789	0.71787	0.81630	0.69703	0.79334	0.75643
0.25	2.44070	2.15365	2.60456	1.94663	2.40240	2.28588	18.00	0.74277	0.71313	0.81108	0.69247	0.78835	0.75162
0.30	2.28509	2.00303	2.45918	1.79657	2.26061	2.12918	19.00	0.73799	0.70867	0.80618	0.68818	0.78367	0.74711
0.35	2.15561	1.87647	2.33658	1.67324	2.13738	1.99994	20.00	0.73350	0.70448	0.80158	0.68414	0.77925	0.74286
0.40	2.04443	1.76920	2.22948	1.57073	2.02703	1.89012	22.00	0.72528	0.69677	0.79313	0.67669	0.77112	0.73502
0.45	1.94791	1.67747	2.13368	1.48728	1.93030	1.79820	24.00	0.71790	0.68982	0.78551	0.66997	0.76377	0.72795
0.50	1.86315	1.59974	2.04844	1.41608	1.84164	1.71626	26.00	0.71120	0.68350	0.77859	0.66385	0.75707	0.72150
0.55	1.78871	1.53057	1.96874	1.35810	1.76550	1.64725	28.00	0.70508	0.67770	0.77224	0.65823	0.75091	0.71558
0.60	1.72241	1.47264	1.89903	1.30753	1.69516	1.58476	30.00	0.69944	0.67235	0.76637	0.65304	0.74523	0.71012
0.65	1.66322	1.42026	1.83298	1.26459	1.63346	1.53014	32.00	0.69422	0.66738	0.76093	0.64822	0.73994	0.70504
0.70	1.61036	1.37602	1.77529	1.22859	1.57953	1.48236	34.00	0.68936	0.66275	0.75586	0.64373	0.73500	0.70030
0.75	1.56348	1.33701	1.72264	1.19719	1.53071	1.43983	36.00	0.68481	0.65841	0.75110	0.63952	0.73037	0.69585
0.80	1.51928	1.30088	1.67229	1.16898	1.48646	1.40092	38.00	0.68055	0.65434	0.74663	0.63557	0.72602	0.69167
0.85	1.48101	1.26941	1.62765	1.14438	1.44725	1.36613	40.00	0.67653	0.65050	0.74241	0.63183	0.72191	0.68773
0.90	1.44552	1.24165	1.58742	1.12275	1.41203	1.33479	45.00	0.66740	0.64176	0.73281	0.62334	0.71254	0.67875
0.95	1.41240	1.21747	1.55095	1.10365	1.38022	1.30676	50.00	0.65935	0.63404	0.72431	0.61584	0.70425	0.67079
1.00	1.38245	1.19500	1.51660	1.08649	1.35140	1.28136	55.00	0.65216	0.62714	0.71669	0.60913	0.69682	0.66367
1.10	1.33141	1.15493	1.45520	1.05666	1.30138	1.23653	60.00	0.64566	0.62090	0.70980	0.60306	0.69009	0.65723
1.20	1.28585	1.12184	1.40329	1.03202	1.25986	1.19889	65.00	0.63974	0.61521	0.70351	0.59752	0.68395	0.65134
1.30	1.24750	1.09450	1.35884	1.01130	1.22465	1.16696	70.00	0.63431	0.60999	0.69773	0.59244	0.67830	0.64593
1.40	1.21582	1.07081	1.32031	0.99353	1.19453	1.13958	75.00	0.62930	0.60516	0.69238	0.58775	0.67307	0.64093
1.50	1.18743	1.05008	1.28676	0.97810	1.16868	1.11579	80.00	0.62464	0.60068	0.68741	0.58339	0.66822	0.63629
1.60	1.16078	1.03206	1.25737	0.96454	1.14623	1.09492	85.00	0.62030	0.59650	0.68277	0.57933	0.66368	0.63195
1.70	1.13739	1.01620	1.23120	0.95250	1.12653	1.07651	90.00	0.61623	0.59259	0.67841	0.57551	0.65943	0.62788
1.80	1.11684	1.00206	1.20778	0.94176	1.10910	1.06020	95.00	0.61241	0.58890	0.67432	0.57193	0.65542	0.62405
1.90	1.09892	0.98936	1.18689	0.93208	1.09357	1.04563	100.00	0.60880	0.58543	0.67045	0.56855	0.65164	0.62043
2.00	1.08277	0.97790	1.16825	0.92329	1.07960	1.03252	125.00	0.59335	0.57054	0.65383	0.55406	0.63541	0.60491
2.20	1.05396	0.95787	1.13610	0.90785	1.05560	1.00983	150.00	0.58100	0.55864	0.64050	0.54248	0.62239	0.59248
2.40	1.02991	0.94109	1.10939	0.89468	1.03553	0.99089	175.00	0.57074	0.54876	0.62941	0.53287	0.61156	0.58214
2.60	1.00940	0.92675	1.08672	0.88323	1.01876	0.97468	200.00	0.56200	0.54033	0.61993	0.52467	0.60231	0.57330
2.80	0.99161	0.91423	1.06725	0.87315	1.00438	0.96068							
3.00	0.97609	0.90316	1.05042	0.86414	0.99173	0.94851							
3.20	0.96226	0.89329	1.03573	0.85601	0.98049	0.93779							
3.40	0.94990	0.88443	1.02276	0.84863	0.97051	0.92819							
3.60	0.93896	0.87640	1.01115	0.84188	0.96157	0.91950							
3.80	0.92911	0.86904	1.00068	0.83565	0.95344	0.91162							
4.00	0.92013	0.86229	0.99119	0.82988	0.94603	0.90441							
4.50	0.90051	0.84750	0.97088	0.81707	0.92988	0.88877							
5.00	0.88433	0.83500	0.95425	0.80607	0.91641	0.87568							
5.50	0.87066	0.82421	0.94031	0.79645	0.90485	0.86447							
6.00	0.85881	0.81471	0.92831	0.78791	0.89479	0.85468							
6.50	0.84845	0.80625	0.91784	0.78023	0.88586	0.84600							
7.00	0.83928	0.79863	0.90854	0.77325	0.87783	0.83821							
7.50	0.83102	0.79170	0.90020	0.76687	0.87056	0.83116							
8.00	0.82353	0.78535	0.89268	0.76098	0.86391	0.82470							
8.50	0.81668	0.77949	0.88580	0.75553	0.85778	0.81875							
9.00	0.81037	0.77405	0.87946	0.75045	0.85209	0.81324							
9.50	0.80453	0.76898	0.87360	0.74569	0.84680	0.80811							
10.00	0.79910	0.76423	0.86814	0.74122	0.84183	0.80330							
11.00	0.78929	0.75555	0.85827	0.73301	0.83277	0.79453							
12.00	0.78061	0.74777	0.84951	0.72564	0.82465	0.78667							
13.00	0.77281	0.74074	0.84163	0.71894	0.81730	0.77956							
14.00	0.76576	0.73432	0.83448	0.71280	0.81058	0.77307							

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.21330	2.87413	3.38225	2.64841	3.12146	3.06178	15.00	0.76107	0.73029	0.82952	0.70909	0.80610	0.76885
0.15	2.82685	2.52429	2.98324	2.32055	2.75581	2.68586	16.00	0.75516	0.72484	0.82351	0.70386	0.80040	0.76335
0.20	2.58012	2.29473	2.73460	2.09962	2.53099	2.44073	17.00	0.74969	0.71978	0.81794	0.69899	0.79509	0.75822
0.25	2.39282	2.12100	2.55844	1.92339	2.36391	2.25191	18.00	0.74459	0.71505	0.81274	0.69444	0.79013	0.75343
0.30	2.24332	1.97582	2.41756	1.77971	2.22810	2.10163	19.00	0.73983	0.71060	0.80787	0.69016	0.78546	0.74893
0.35	2.11932	1.85590	2.30108	1.66056	2.10999	1.97707	20.00	0.73535	0.70642	0.80329	0.68612	0.78107	0.74469
0.40	2.01495	1.75252	2.19823	1.56048	2.00318	1.87040	22.00	0.72715	0.69873	0.79488	0.67869	0.77296	0.73688
0.45	1.92308	1.66602	2.10866	1.47993	1.91052	1.78190	24.00	0.71979	0.69179	0.78729	0.67198	0.76564	0.72983
0.50	1.84193	1.58823	2.02394	1.41095	1.82606	1.70295	26.00	0.71311	0.68548	0.78039	0.66586	0.75896	0.72340
0.55	1.77026	1.52112	1.94781	1.35306	1.75121	1.63510	28.00	0.70700	0.67969	0.77407	0.66025	0.75282	0.71750
0.60	1.70652	1.46489	1.87991	1.30412	1.68395	1.57483	30.00	0.70138	0.67435	0.76823	0.65507	0.74715	0.71204
0.65	1.64882	1.41388	1.81713	1.26332	1.62512	1.52331	32.00	0.69617	0.66939	0.76280	0.65025	0.74188	0.70698
0.70	1.59769	1.37141	1.76173	1.22602	1.57111	1.47472	34.00	0.69132	0.66476	0.75774	0.64576	0.73696	0.70225
0.75	1.55175	1.33166	1.70929	1.19518	1.52338	1.43315	36.00	0.68678	0.66043	0.75301	0.64156	0.73234	0.69781
0.80	1.50869	1.29711	1.66116	1.16776	1.48038	1.39562	38.00	0.68252	0.65636	0.74855	0.63760	0.72800	0.69364
0.85	1.47251	1.26718	1.61832	1.14406	1.44272	1.36218	40.00	0.67851	0.65252	0.74434	0.63387	0.72390	0.68970
0.90	1.43740	1.23869	1.57816	1.12189	1.40748	1.33064	45.00	0.66940	0.64379	0.73476	0.62539	0.71455	0.68073
0.95	1.40476	1.21444	1.54255	1.10296	1.37622	1.30298	50.00	0.66136	0.63608	0.72628	0.61788	0.70628	0.67280
1.00	1.37646	1.19253	1.50886	1.08596	1.34775	1.27807	55.00	0.65417	0.62917	0.71869	0.61117	0.69886	0.66568
1.10	1.32533	1.15396	1.44962	1.05652	1.29863	1.23407	60.00	0.64768	0.62294	0.71181	0.60510	0.69214	0.65924
1.20	1.28160	1.12075	1.39844	1.03225	1.25787	1.19713	65.00	0.64177	0.61725	0.70553	0.59956	0.68600	0.65336
1.30	1.24565	1.09364	1.35461	1.01150	1.22300	1.16548	70.00	0.63634	0.61202	0.69976	0.59448	0.68036	0.64796
1.40	1.21198	1.07023	1.31671	0.99389	1.19319	1.13846	75.00	0.63133	0.60720	0.69442	0.58978	0.67514	0.64296
1.50	1.18432	1.04992	1.28390	0.97858	1.16763	1.11494	80.00	0.62667	0.60272	0.68946	0.58542	0.67029	0.63832
1.60	1.15894	1.03228	1.25521	0.96512	1.14543	1.09431	85.00	0.62233	0.59854	0.68482	0.58135	0.66576	0.63398
1.70	1.13711	1.01622	1.22918	0.95319	1.12593	1.07612	90.00	0.61826	0.59462	0.68047	0.57754	0.66151	0.62991
1.80	1.11542	1.00225	1.20606	0.94256	1.10870	1.06001	95.00	0.61444	0.59093	0.67638	0.57395	0.65750	0.62608
1.90	1.09760	0.98968	1.18541	0.93289	1.09326	1.04552	100.00	0.61083	0.58746	0.67251	0.57057	0.65373	0.62247
2.00	1.08156	0.97831	1.16698	0.92416	1.07945	1.03255	125.00	0.59537	0.57256	0.65591	0.55606	0.63750	0.60695
2.20	1.05333	0.95847	1.13524	0.90883	1.05564	1.01006	150.00	0.58302	0.56064	0.64259	0.54446	0.62448	0.59451
2.40	1.03004	0.94192	1.10891	0.89573	1.03589	0.99122	175.00	0.57275	0.55075	0.63150	0.53483	0.61364	0.58416
2.60	1.00925	0.92753	1.08639	0.88437	1.01911	0.97519	200.00	0.56400	0.54231	0.62202	0.52662	0.60438	0.57532
2.80	0.99172	0.91513	1.06711	0.87434	1.00475	0.96135							
3.00	0.97633	0.90415	1.05043	0.86539	0.99221	0.94926							
3.20	0.96264	0.89436	1.03587	0.85732	0.98113	0.93857							
3.40	0.95048	0.88555	1.02299	0.84998	0.97124	0.92902							
3.60	0.93984	0.87756	1.01147	0.84326	0.96234	0.92041							
3.80	0.92972	0.87025	1.00109	0.83707	0.95426	0.91259							
4.00	0.92084	0.86355	0.99171	0.83133	0.94688	0.90544							
4.50	0.90147	0.84884	0.97156	0.81859	0.93086	0.88989							
5.00	0.88538	0.83642	0.95505	0.80765	0.91747	0.87689							
5.50	0.87179	0.82568	0.94118	0.79808	0.90600	0.86574							
6.00	0.86007	0.81624	0.92928	0.78957	0.89599	0.85601							
6.50	0.84974	0.80782	0.91888	0.78192	0.88711	0.84738							
7.00	0.84062	0.80024	0.90965	0.77498	0.87915	0.83964							
7.50	0.83242	0.79334	0.90138	0.76862	0.87192	0.83261							
8.00	0.82497	0.78702	0.89389	0.76276	0.86530	0.82619							
8.50	0.81816	0.78118	0.88704	0.75732	0.85921	0.82027							
9.00	0.81189	0.77577	0.88075	0.75226	0.85355	0.81479							
9.50	0.80609	0.77071	0.87493	0.74752	0.84829	0.80968							
10.00	0.80069	0.76598	0.86951	0.74306	0.84335	0.80490							
11.00	0.79092	0.75733	0.85969	0.73488	0.83434	0.79616							
12.00	0.78227	0.74959	0.85098	0.72753	0.82626	0.78834							
13.00	0.77451	0.74258	0.84314	0.72085	0.81894	0.78126							
14.00	0.76750	0.73618	0.83603	0.71473	0.81226	0.77480							

Collision integrals for the (17, 6, 8) potential function for $\gamma = 0.8$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.11813	2.79726	3.29541	2.58296	3.04586	2.98210	15.00	0.76272	0.73207	0.83102	0.71093	0.80772	0.77052
0.15	2.75173	2.46791	2.91647	2.27579	2.69967	2.62893	16.00	0.75684	0.72664	0.82505	0.70571	0.80205	0.76503
0.20	2.51404	2.25142	2.67922	2.06277	2.48038	2.39176	17.00	0.75139	0.72158	0.81950	0.70085	0.79676	0.75993
0.25	2.34066	2.08361	2.50783	1.89721	2.32269	2.21429	18.00	0.74631	0.71686	0.81433	0.69630	0.79182	0.75515
0.30	2.20148	1.94765	2.37495	1.76043	2.19371	2.07133	19.00	0.74156	0.71243	0.80948	0.69203	0.78717	0.75067
0.35	2.08479	1.83237	2.26310	1.64649	2.08148	1.95252	20.00	0.73710	0.70826	0.80492	0.68800	0.78279	0.74644
0.40	1.98371	1.73386	2.16542	1.55228	1.98216	1.85262	22.00	0.72893	0.70058	0.79654	0.68058	0.77471	0.73866
0.45	1.89605	1.64911	2.07807	1.47223	1.89141	1.76521	24.00	0.72158	0.69366	0.78899	0.67388	0.76742	0.73162
0.50	1.81827	1.57580	1.99897	1.40480	1.81005	1.68913	26.00	0.71492	0.68736	0.78211	0.66777	0.76076	0.72521
0.55	1.74977	1.51164	1.92659	1.34914	1.74020	1.62400	28.00	0.70883	0.68158	0.77581	0.66217	0.75464	0.71932
0.60	1.68844	1.45686	1.86145	1.30100	1.67339	1.56556	30.00	0.70322	0.67624	0.76999	0.65699	0.74899	0.71388
0.65	1.63349	1.40770	1.80129	1.25926	1.61426	1.51330	32.00	0.69802	0.67129	0.76458	0.65218	0.74373	0.70882
0.70	1.58404	1.36442	1.74552	1.22356	1.56242	1.46730	34.00	0.69318	0.66667	0.75954	0.64769	0.73882	0.70410
0.75	1.53945	1.32697	1.69624	1.19331	1.51651	1.42676	36.00	0.68865	0.66234	0.75482	0.64349	0.73421	0.69968
0.80	1.49980	1.29369	1.65077	1.16656	1.47474	1.39029	38.00	0.68440	0.65828	0.75037	0.63954	0.72988	0.69551
0.85	1.46170	1.26296	1.60758	1.14245	1.43684	1.35688	40.00	0.68039	0.65444	0.74618	0.63581	0.72579	0.69158
0.90	1.42909	1.23600	1.56908	1.12120	1.40298	1.32676	45.00	0.67129	0.64572	0.73662	0.62732	0.71646	0.68262
0.95	1.39806	1.21145	1.53366	1.10218	1.37221	1.29933	50.00	0.66326	0.63801	0.72816	0.61982	0.70820	0.67470
1.00	1.36946	1.19027	1.50171	1.08541	1.34440	1.27472	55.00	0.65608	0.63110	0.72058	0.61310	0.70079	0.66759
1.10	1.32038	1.15225	1.44352	1.05640	1.29598	1.23172	60.00	0.64959	0.62487	0.71372	0.60703	0.69408	0.66115
1.20	1.27775	1.11988	1.39365	1.03213	1.25556	1.19514	65.00	0.64368	0.61918	0.70745	0.60149	0.68795	0.65528
1.30	1.24010	1.09266	1.35061	1.01167	1.22134	1.16400	70.00	0.63826	0.61396	0.70169	0.59641	0.68232	0.64988
1.40	1.20823	1.06976	1.31344	0.99421	1.19199	1.13729	75.00	0.63325	0.60913	0.69636	0.59171	0.67710	0.64489
1.50	1.18152	1.04961	1.28093	0.97902	1.16662	1.11410	80.00	0.62859	0.60465	0.69140	0.58734	0.67225	0.64024
1.60	1.15720	1.03192	1.25245	0.96567	1.14462	1.09375	85.00	0.62425	0.60046	0.68677	0.58327	0.66772	0.63590
1.70	1.13446	1.01626	1.22714	0.95381	1.12531	1.07573	90.00	0.62019	0.59654	0.68242	0.57945	0.66348	0.63184
1.80	1.11428	1.00239	1.20447	0.94320	1.10822	1.05971	95.00	0.61636	0.59286	0.67833	0.57586	0.65948	0.62801
1.90	1.09606	0.98995	1.18408	0.93365	1.09299	1.04541	100.00	0.61276	0.58938	0.67447	0.57248	0.65570	0.62440
2.00	1.08028	0.97867	1.16575	0.92497	1.07929	1.03253	125.00	0.59729	0.57446	0.65788	0.55795	0.63947	0.60887
2.20	1.05277	0.95904	1.13435	0.90974	1.05568	1.01026	150.00	0.58493	0.56254	0.64456	0.54634	0.62645	0.59643
2.40	1.02924	0.94245	1.10820	0.89672	1.03606	0.99160	175.00	0.57466	0.55263	0.63347	0.53670	0.61561	0.58607
2.60	1.00907	0.92827	1.08605	0.88543	1.01934	0.97572	200.00	0.56590	0.54418	0.62399	0.52847	0.60635	0.57722
2.80	0.99175	0.91597	1.06699	0.87546	1.00514	0.96195							
3.00	0.97651	0.90508	1.05043	0.86658	0.99276	0.94989							
3.20	0.96305	0.89534	1.03595	0.85856	0.98175	0.93928							
3.40	0.95095	0.88658	1.02318	0.85125	0.97188	0.92983							
3.60	0.94009	0.87865	1.01178	0.84456	0.96301	0.92130							
3.80	0.93037	0.87140	1.00151	0.83840	0.95501	0.91351							
4.00	0.92149	0.86472	0.99218	0.83269	0.94768	0.90640							
4.50	0.90235	0.85009	0.97218	0.82002	0.93179	0.89094							
5.00	0.88635	0.83774	0.95579	0.80913	0.91847	0.87802							
5.50	0.87287	0.82706	0.94201	0.79961	0.90707	0.86694							
6.00	0.86120	0.81767	0.93020	0.79114	0.89712	0.85726							
6.50	0.85098	0.80930	0.91986	0.78353	0.88831	0.84868							
7.00	0.84188	0.80175	0.91070	0.77661	0.88039	0.84097							
7.50	0.83373	0.79488	0.90247	0.77027	0.87319	0.83399							
8.00	0.82633	0.78858	0.89502	0.76443	0.86662	0.82760							
8.50	0.81956	0.78278	0.88823	0.75902	0.86056	0.82171							
9.00	0.81333	0.77739	0.88198	0.75397	0.85494	0.81626							
9.50	0.80756	0.77235	0.87619	0.74925	0.84970	0.81117							
10.00	0.80218	0.76764	0.87080	0.74481	0.84479	0.80641							
11.00	0.79245	0.75902	0.86103	0.73665	0.83582	0.79772							
12.00	0.78384	0.75130	0.85237	0.72932	0.82778	0.78993							
13.00	0.77612	0.74432	0.84458	0.72265	0.82050	0.78288							
14.00	0.76912	0.73793	0.83750	0.71655	0.81385	0.77644							

Collision integrals for the (17, 6, 8) potential function for $\gamma = 1.0$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.02401	2.72287	3.21038	2.52046	2.97303	2.90555	15.00	0.76429	0.73375	0.83245	0.71267	0.80926	0.77210
0.15	2.67918	2.41219	2.85102	2.22869	2.64127	2.56942	16.00	0.75843	0.72833	0.82650	0.70747	0.80361	0.76663
0.20	2.45609	2.20547	2.62140	2.03031	2.43499	2.34801	17.00	0.75299	0.72329	0.82098	0.70262	0.79834	0.76154
0.25	2.29088	2.04844	2.45982	1.87239	2.28354	2.17861	18.00	0.74794	0.71858	0.81583	0.69808	0.79342	0.75678
0.30	2.15950	1.91945	2.33290	1.74189	2.16059	2.04228	19.00	0.74320	0.71417	0.81100	0.69381	0.78879	0.75231
0.35	2.04893	1.81006	2.22679	1.63276	2.05387	1.92878	20.00	0.73876	0.71000	0.80646	0.68979	0.78442	0.74810
0.40	1.95367	1.71586	2.13373	1.54099	1.95808	1.83188	22.00	0.73061	0.70234	0.79811	0.68238	0.77638	0.74034
0.45	1.86982	1.63446	2.05033	1.46346	1.87131	1.74783	24.00	0.72328	0.69543	0.79059	0.67569	0.76910	0.73332
0.50	1.79579	1.56370	1.97470	1.39942	1.79501	1.67636	26.00	0.71664	0.68914	0.78374	0.66959	0.76247	0.72693
0.55	1.72997	1.50293	1.90661	1.34266	1.72422	1.61050	28.00	0.71056	0.68337	0.77746	0.66399	0.75637	0.72105
0.60	1.67125	1.44779	1.84200	1.29736	1.66235	1.55593	30.00	0.70496	0.67804	0.77166	0.65881	0.75073	0.71562
0.65	1.61835	1.40143	1.78564	1.25683	1.60534	1.50540	32.00	0.69977	0.67309	0.76627	0.65401	0.74548	0.71058
0.70	1.57073	1.35897	1.73164	1.22137	1.55432	1.46016	34.00	0.69494	0.66848	0.76125	0.64952	0.74058	0.70586
0.75	1.52748	1.32200	1.68325	1.19121	1.50941	1.42034	36.00	0.69042	0.66416	0.75653	0.64532	0.73599	0.70145
0.80	1.48850	1.28965	1.63977	1.16520	1.46897	1.38497	38.00	0.68617	0.66009	0.75210	0.64137	0.73167	0.69729
0.85	1.45297	1.26018	1.59849	1.14151	1.43188	1.35240	40.00	0.68217	0.65626	0.74792	0.63764	0.72758	0.69336
0.90	1.41981	1.23267	1.55966	1.12029	1.39842	1.32268	45.00	0.67308	0.64754	0.73839	0.62916	0.71827	0.68442
0.95	1.39095	1.20892	1.52553	1.10151	1.36834	1.29585	50.00	0.66506	0.63984	0.72995	0.62166	0.71003	0.67650
1.00	1.36330	1.18766	1.49417	1.08482	1.34098	1.27152	55.00	0.65789	0.63294	0.72238	0.61494	0.70263	0.66940
1.10	1.31372	1.15099	1.43806	1.05619	1.29336	1.22929	60.00	0.65141	0.62670	0.71553	0.60887	0.69593	0.66297
1.20	1.27322	1.11872	1.38874	1.03211	1.25341	1.19328	65.00	0.64550	0.62101	0.70927	0.60333	0.68980	0.65710
1.30	1.23682	1.09175	1.34662	1.01183	1.21972	1.16258	70.00	0.64008	0.61579	0.70352	0.59824	0.68417	0.65171
1.40	1.20492	1.06910	1.31007	0.99448	1.19073	1.13617	75.00	0.63507	0.61096	0.69819	0.59354	0.67896	0.64671
1.50	1.17821	1.04936	1.27817	0.97941	1.16564	1.11325	80.00	0.63042	0.60648	0.69324	0.58917	0.67412	0.64207
1.60	1.15508	1.03173	1.24995	0.96616	1.14382	1.09314	85.00	0.62608	0.60229	0.68862	0.58509	0.66959	0.63773
1.70	1.13302	1.01630	1.22515	0.95440	1.12472	1.07533	90.00	0.62201	0.59837	0.68428	0.58127	0.66535	0.63367
1.80	1.11278	1.00249	1.20282	0.94384	1.10777	1.05946	95.00	0.61819	0.59468	0.68019	0.57768	0.66135	0.62984
1.90	1.09482	0.99016	1.18270	0.93434	1.09267	1.04526	100.00	0.61458	0.59120	0.67633	0.57429	0.65757	0.62623
2.00	1.07901	0.97898	1.16457	0.92571	1.07911	1.03251	125.00	0.59911	0.57628	0.65974	0.55975	0.64135	0.61070
2.20	1.05204	0.95953	1.13347	0.91059	1.05570	1.01043	150.00	0.58674	0.56434	0.64643	0.54812	0.62833	0.59825
2.40	1.02872	0.94305	1.10759	0.89766	1.03622	0.99192	175.00	0.57646	0.55442	0.63534	0.53846	0.61749	0.58789
2.60	1.00892	0.92897	1.08570	0.88643	1.01961	0.97617	200.00	0.56769	0.54595	0.62586	0.53022	0.60822	0.57903
2.80	0.99174	0.91673	1.06684	0.87652	1.00549	0.96251							
3.00	0.97666	0.90594	1.05042	0.86768	0.99319	0.95055							
3.20	0.96332	0.89627	1.03605	0.85972	0.98231	0.93997							
3.40	0.95142	0.88756	1.02335	0.85245	0.97251	0.93057							
3.60	0.94059	0.87967	1.01204	0.84579	0.96368	0.92210							
3.80	0.93086	0.87246	1.00186	0.83966	0.95571	0.91438							
4.00	0.92208	0.86583	0.99262	0.83398	0.94844	0.90730							
4.50	0.90316	0.85128	0.97276	0.82138	0.93265	0.89194							
5.00	0.88727	0.83899	0.95648	0.81054	0.91942	0.87909							
5.50	0.87386	0.82837	0.94279	0.80106	0.90809	0.86806							
6.00	0.86230	0.81903	0.93106	0.79262	0.89819	0.85845							
6.50	0.85209	0.81069	0.92078	0.78504	0.88943	0.84991							
7.00	0.84306	0.80318	0.91168	0.77815	0.88155	0.84224							
7.50	0.83497	0.79634	0.90350	0.77184	0.87441	0.83529							
8.00	0.82761	0.79007	0.89609	0.76602	0.86786	0.82894							
8.50	0.82088	0.78429	0.88934	0.76063	0.86183	0.82308							
9.00	0.81468	0.77892	0.88313	0.75560	0.85624	0.81765							
9.50	0.80894	0.77390	0.87737	0.75089	0.85103	0.81258							
10.00	0.80359	0.76921	0.87202	0.74646	0.84615	0.80784							
11.00	0.79391	0.76062	0.86230	0.73833	0.83723	0.79919							
12.00	0.78532	0.75293	0.85368	0.73102	0.82923	0.79143							
13.00	0.77764	0.74596	0.84593	0.72437	0.82198	0.78441							
14.00	0.77067	0.73960	0.83890	0.71828	0.81536	0.77800							

Collision integrals for the (18, 6, 8) potential function for $\gamma = 0$.

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.43931	3.05240	3.58325	2.79453	3.29145	3.24121	15.00	0.76495	0.73472	0.83187	0.71398	0.80883	0.77252
0.15	2.99774	2.65496	3.13823	2.42295	2.88570	2.81686	16.00	0.75915	0.72939	0.82596	0.70888	0.80324	0.76713
0.20	2.71271	2.39388	2.86248	2.17014	2.63391	2.53709	17.00	0.75378	0.72444	0.82048	0.70414	0.79803	0.76211
0.25	2.50321	2.19567	2.66536	1.97219	2.44739	2.32571	18.00	0.74878	0.71982	0.81538	0.69969	0.79317	0.75743
0.30	2.33626	2.03476	2.50980	1.81541	2.29796	2.16154	19.00	0.74411	0.71548	0.81060	0.69552	0.78860	0.75302
0.35	2.19915	1.90115	2.37952	1.68732	2.16794	2.02620	20.00	0.73973	0.71140	0.80610	0.69159	0.78430	0.74888
0.40	2.08008	1.78806	2.26523	1.58119	2.05136	1.91134	22.00	0.73171	0.70390	0.79785	0.68435	0.77637	0.74125
0.45	1.97808	1.69308	2.16470	1.49469	1.94918	1.81459	24.00	0.72450	0.69713	0.79042	0.67782	0.76922	0.73436
0.50	1.88922	1.61121	2.07354	1.42227	1.85953	1.73052	26.00	0.71798	0.69098	0.78367	0.67187	0.76270	0.72809
0.55	1.81091	1.54216	1.99249	1.36321	1.77804	1.65903	28.00	0.71201	0.68534	0.77748	0.66641	0.75671	0.72233
0.60	1.74126	1.48079	1.91753	1.31148	1.70509	1.59454	30.00	0.70652	0.68014	0.77177	0.66137	0.75118	0.71702
0.65	1.68003	1.42813	1.84997	1.26854	1.64240	1.53879	32.00	0.70144	0.67531	0.76647	0.65670	0.74604	0.71208
0.70	1.62511	1.38289	1.79027	1.23233	1.58685	1.49017	34.00	0.69671	0.67081	0.76153	0.65233	0.74124	0.70747
0.75	1.57581	1.34208	1.73409	1.20001	1.53627	1.44603	36.00	0.69229	0.66660	0.75691	0.64825	0.73674	0.70315
0.80	1.53130	1.30551	1.68262	1.17189	1.49161	1.40658	38.00	0.68814	0.66264	0.75256	0.64440	0.73251	0.69909
0.85	1.49176	1.27392	1.63727	1.14714	1.45165	1.37101	40.00	0.68423	0.65891	0.74845	0.64078	0.72852	0.69526
0.90	1.45463	1.24661	1.59660	1.12561	1.41587	1.33947	45.00	0.67535	0.65042	0.73912	0.63254	0.71943	0.68653
0.95	1.42074	1.22165	1.55847	1.10645	1.38355	1.31112	50.00	0.66753	0.64293	0.73086	0.62526	0.71138	0.67882
1.00	1.39119	1.19825	1.52268	1.08914	1.35432	1.28522	55.00	0.66054	0.63623	0.72347	0.61874	0.70417	0.67190
1.10	1.33822	1.15795	1.46036	1.05933	1.30394	1.23984	60.00	0.65422	0.63017	0.71678	0.61285	0.69764	0.66564
1.20	1.29156	1.12517	1.40781	1.03471	1.26196	1.20185	65.00	0.64848	0.62465	0.71067	0.60748	0.69168	0.65993
1.30	1.25358	1.09763	1.36263	1.01402	1.22644	1.16973	70.00	0.64320	0.61958	0.70506	0.60255	0.68621	0.65469
1.40	1.22150	1.07363	1.32352	0.99630	1.19620	1.14219	75.00	0.63833	0.61490	0.69987	0.59800	0.68114	0.64984
1.50	1.19140	1.05303	1.28978	0.98092	1.17029	1.11825	80.00	0.63381	0.61055	0.69505	0.59377	0.67643	0.64533
1.60	1.16481	1.03499	1.25996	0.96740	1.14777	1.09729	85.00	0.62960	0.60649	0.69055	0.58982	0.67203	0.64111
1.70	1.14116	1.01912	1.23343	0.95546	1.12805	1.07889	90.00	0.62565	0.60269	0.68632	0.58612	0.66791	0.63717
1.80	1.12094	1.00498	1.20985	0.94479	1.11059	1.06256	95.00	0.62193	0.59912	0.68235	0.58264	0.66403	0.63345
1.90	1.10296	0.99232	1.18895	0.93518	1.09502	1.04800	100.00	0.61843	0.59574	0.67860	0.57936	0.66036	0.62995
2.00	1.08646	0.98086	1.17023	0.92644	1.08107	1.03490	125.00	0.60343	0.58129	0.66249	0.56529	0.64463	0.61489
2.20	1.05757	0.96092	1.13796	0.91112	1.05712	1.01222	150.00	0.59144	0.56973	0.64957	0.55404	0.63201	0.60282
2.40	1.03333	0.94425	1.11112	0.89808	1.03713	0.99331	175.00	0.58149	0.56013	0.63882	0.54470	0.62151	0.59278
2.60	1.01272	0.92998	1.08837	0.88674	1.02047	0.97716	200.00	0.57299	0.55195	0.62963	0.53673	0.61254	0.58421
2.80	0.99496	0.91753	1.06890	0.87676	1.00611	0.96326							
3.00	0.97939	0.90655	1.05213	0.86785	0.99345	0.95121							
3.20	0.96549	0.89678	1.03749	0.85984	0.98231	0.94055							
3.40	0.95335	0.88801	1.02454	0.85256	0.97244	0.93099							
3.60	0.94245	0.88004	1.01294	0.84590	0.96355	0.92239							
3.80	0.93264	0.87277	1.00251	0.83976	0.95551	0.91457							
4.00	0.92363	0.86610	0.99306	0.83408	0.94814	0.90745							
4.50	0.90411	0.85150	0.97288	0.82148	0.93216	0.89198							
5.00	0.88811	0.83918	0.95638	0.81067	0.91882	0.87906							
5.50	0.87451	0.82854	0.94255	0.80123	0.90743	0.86800							
6.00	0.86281	0.81921	0.93068	0.79286	0.89750	0.85835							
6.50	0.85260	0.81089	0.92031	0.78533	0.88870	0.84981							
7.00	0.84353	0.80341	0.91112	0.77850	0.88080	0.84216							
7.50	0.83538	0.79661	0.90291	0.77225	0.87365	0.83522							
8.00	0.82799	0.79038	0.89548	0.76650	0.86711	0.82889							
8.50	0.82124	0.78464	0.88869	0.76117	0.86109	0.82305							
9.00	0.81503	0.77931	0.88245	0.75620	0.85551	0.81765							
9.50	0.80929	0.77435	0.87668	0.75155	0.85031	0.81262							
10.00	0.80396	0.76970	0.87132	0.74719	0.84545	0.80791							
11.00	0.79433	0.76121	0.86162	0.73919	0.83657	0.79932							
12.00	0.78581	0.75361	0.85302	0.73199	0.82862	0.79164							
13.00	0.77817	0.74674	0.84529	0.72546	0.82143	0.78469							
14.00	0.77126	0.74048	0.83828	0.71949	0.81487	0.77835							

Collision integrals for the (18, 6, 8) potential function for $\gamma = 0.2$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.34066	2.97246	3.49537	2.72588	3.21409	3.15892	15.00	0.76686	0.73676	0.83361	0.71609	0.81070	0.77444
0.15	2.92056	2.59379	3.06763	2.37330	2.82486	2.75500	16.00	0.76109	0.73145	0.82773	0.71101	0.80513	0.76907
0.20	2.64932	2.34587	2.80245	2.13382	2.58281	2.48882	17.00	0.75574	0.72652	0.82228	0.70627	0.79995	0.76407
0.25	2.45013	2.15707	2.61216	1.94712	2.40585	2.28899	18.00	0.75076	0.72191	0.81720	0.70183	0.79511	0.75940
0.30	2.29160	2.00471	2.46401	1.79647	2.26214	2.13079	19.00	0.74611	0.71758	0.81245	0.69767	0.79057	0.75502
0.35	2.15996	1.87704	2.33926	1.67178	2.13621	1.99930	20.00	0.74174	0.71351	0.80798	0.69375	0.78628	0.75089
0.40	2.04744	1.76948	2.23098	1.56997	2.02565	1.88960	22.00	0.73374	0.70602	0.79976	0.68652	0.77839	0.74328
0.45	1.95003	1.67724	2.13382	1.48678	1.92847	1.79741	24.00	0.72656	0.69927	0.79237	0.68000	0.77126	0.73642
0.50	1.86462	1.59927	2.04756	1.41586	1.83956	1.71540	26.00	0.72005	0.69313	0.78564	0.67406	0.76476	0.73016
0.55	1.78973	1.53039	1.96767	1.35820	1.76331	1.64633	28.00	0.71410	0.68750	0.77948	0.66860	0.75879	0.72442
0.60	1.72319	1.47255	1.89760	1.30776	1.69281	1.58374	30.00	0.70863	0.68231	0.77379	0.66357	0.75328	0.71912
0.65	1.66384	1.42025	1.83125	1.26518	1.63132	1.52930	32.00	0.70356	0.67749	0.76852	0.65890	0.74816	0.71419
0.70	1.61084	1.37629	1.77360	1.22953	1.57757	1.48172	34.00	0.69884	0.67299	0.76359	0.65454	0.74337	0.70959
0.75	1.56379	1.33743	1.72081	1.19829	1.52882	1.43926	36.00	0.69442	0.66879	0.75898	0.65045	0.73889	0.70529
0.80	1.51972	1.30137	1.67036	1.17031	1.48476	1.40049	38.00	0.69028	0.66483	0.75465	0.64661	0.73467	0.70123
0.85	1.48164	1.27020	1.62592	1.14593	1.44573	1.36586	40.00	0.68638	0.66110	0.75056	0.64299	0.73069	0.69741
0.90	1.44611	1.24272	1.58585	1.12453	1.41072	1.33472	45.00	0.67752	0.65262	0.74125	0.63475	0.72161	0.68870
0.95	1.41294	1.21868	1.54941	1.10561	1.37908	1.30686	50.00	0.66970	0.64513	0.73301	0.62747	0.71358	0.68099
1.00	1.38323	1.19628	1.51506	1.08861	1.35042	1.28160	55.00	0.66272	0.63843	0.72564	0.62095	0.70638	0.67408
1.10	1.33238	1.15653	1.45393	1.05908	1.30074	1.23705	60.00	0.65641	0.63237	0.71896	0.61506	0.69986	0.66783
1.20	1.28683	1.12375	1.40226	1.03471	1.25951	1.19969	65.00	0.65067	0.62685	0.71287	0.60968	0.69391	0.66212
1.30	1.24882	1.09666	1.35804	1.01423	1.22457	1.16802	70.00	0.64540	0.62178	0.70726	0.60475	0.68844	0.65688
1.40	1.21744	1.07317	1.31971	0.99667	1.19470	1.14087	75.00	0.64053	0.61710	0.70208	0.60019	0.68338	0.65203
1.50	1.18907	1.05267	1.28640	0.98143	1.16908	1.11729	80.00	0.63601	0.61275	0.69727	0.59596	0.67867	0.64752
1.60	1.16257	1.03484	1.25720	0.96804	1.14682	1.09662	85.00	0.63179	0.60869	0.69277	0.59201	0.67428	0.64331
1.70	1.13935	1.01916	1.23120	0.95617	1.12732	1.07838	90.00	0.62784	0.60488	0.68855	0.58830	0.67016	0.63936
1.80	1.11904	1.00517	1.20796	0.94558	1.11006	1.06225	95.00	0.62413	0.60131	0.68458	0.58482	0.66628	0.63565
1.90	1.10129	0.99262	1.18724	0.93605	1.09468	1.04783	100.00	0.62063	0.59793	0.68083	0.58154	0.66262	0.63214
2.00	1.08527	0.98131	1.16877	0.92738	1.08086	1.03487	125.00	0.60562	0.58346	0.66473	0.56745	0.64688	0.61708
2.20	1.05669	0.96153	1.13690	0.91218	1.05713	1.01244	150.00	0.59362	0.57189	0.65182	0.55618	0.63426	0.60501
2.40	1.03290	0.94498	1.11043	0.89923	1.03730	0.99373	175.00	0.58365	0.56228	0.64106	0.54682	0.62375	0.59496
2.60	1.01260	0.93085	1.08799	0.88798	1.02075	0.97774	200.00	0.57515	0.55408	0.63187	0.53883	0.61478	0.58638
2.80	0.99500	0.91852	1.06873	0.87807	1.00655	0.96393							
3.00	0.97968	0.90762	1.05209	0.86923	0.99406	0.95194							
3.20	0.96600	0.89792	1.03758	0.86126	0.98299	0.94139							
3.40	0.95381	0.88921	1.02476	0.85403	0.97317	0.93193							
3.60	0.94303	0.88132	1.01330	0.84741	0.96436	0.92339							
3.80	0.93332	0.87409	1.00297	0.84131	0.95637	0.91563							
4.00	0.92446	0.86746	0.99360	0.83566	0.94908	0.90855							
4.50	0.90513	0.85296	0.97359	0.82313	0.93321	0.89320							
5.00	0.88922	0.84072	0.95723	0.81239	0.92000	0.88036							
5.50	0.87578	0.83015	0.94352	0.80300	0.90867	0.86939							
6.00	0.86415	0.82087	0.93173	0.79467	0.89882	0.85980							
6.50	0.85399	0.81260	0.92145	0.78718	0.89008	0.85131							
7.00	0.84499	0.80516	0.91233	0.78038	0.88224	0.84371							
7.50	0.83690	0.79839	0.90417	0.77416	0.87513	0.83682							
8.00	0.82957	0.79220	0.89680	0.76843	0.86864	0.83051							
8.50	0.82286	0.78648	0.89006	0.76312	0.86265	0.82471							
9.00	0.81669	0.78118	0.88387	0.75817	0.85711	0.81934							
9.50	0.81099	0.77624	0.87813	0.75355	0.85195	0.81434							
10.00	0.80568	0.77161	0.87281	0.74920	0.84711	0.80965							
11.00	0.79610	0.76316	0.86317	0.74122	0.83829	0.80111							
12.00	0.78763	0.75559	0.85462	0.73405	0.83039	0.79347							
13.00	0.78002	0.74875	0.84695	0.72754	0.82323	0.78655							
14.00	0.77314	0.74250	0.83998	0.72158	0.81670	0.78024							

Collision integrals for the (18, 6, 8) potential function for $\gamma = 0.4$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.24226	2.89179	3.40568	2.65869	3.13741	3.07753	15.00	0.76865	0.73867	0.83523	0.71807	0.81244	0.77622
0.15	2.84354	2.53490	2.99933	2.32466	2.76496	2.69441	16.00	0.76290	0.73338	0.82938	0.71299	0.80690	0.77087
0.20	2.58643	2.29880	2.74336	2.09805	2.53282	2.44134	17.00	0.75757	0.72846	0.82396	0.70826	0.80175	0.76590
0.25	2.39919	2.12152	2.56273	1.92102	2.36363	2.25121	18.00	0.75261	0.72386	0.81891	0.70384	0.79692	0.76124
0.30	2.24723	1.97507	2.41903	1.77711	2.22633	2.09994	19.00	0.74797	0.71955	0.81417	0.69969	0.79240	0.75687
0.35	2.12269	1.85380	2.30042	1.65812	2.10704	1.97477	20.00	0.74362	0.71549	0.80972	0.69577	0.78813	0.75276
0.40	2.01541	1.75062	2.19679	1.55958	2.00125	1.86928	22.00	0.73565	0.70802	0.80155	0.68856	0.78027	0.74518
0.45	1.92264	1.66233	2.10440	1.47864	1.90769	1.77981	24.00	0.72849	0.70128	0.79419	0.68204	0.77316	0.73833
0.50	1.84101	1.58684	2.02155	1.40967	1.82237	1.70062	26.00	0.72200	0.69515	0.78749	0.67611	0.76669	0.73210
0.55	1.76919	1.52013	1.94498	1.35282	1.74823	1.63349	28.00	0.71607	0.68953	0.78135	0.67066	0.76074	0.72637
0.60	1.70528	1.46405	1.87756	1.30440	1.68130	1.57358	30.00	0.71060	0.68434	0.77568	0.66563	0.75524	0.72108
0.65	1.64779	1.41361	1.81436	1.26251	1.62121	1.52051	32.00	0.70554	0.67953	0.77042	0.66096	0.75013	0.71617
0.70	1.59677	1.37056	1.75816	1.22666	1.56828	1.47348	34.00	0.70083	0.67504	0.76552	0.65660	0.74536	0.71158
0.75	1.55074	1.33204	1.70682	1.19627	1.52128	1.43231	36.00	0.69643	0.67084	0.76092	0.65252	0.74089	0.70728
0.80	1.50893	1.29769	1.65901	1.16897	1.47839	1.39478	38.00	0.69229	0.66689	0.75660	0.64868	0.73668	0.70323
0.85	1.47120	1.26663	1.61495	1.14498	1.44024	1.36102	40.00	0.68839	0.66316	0.75252	0.64506	0.73271	0.69941
0.90	1.43729	1.23921	1.57556	1.12350	1.40569	1.33024	45.00	0.67955	0.65469	0.74324	0.63682	0.72366	0.69072
0.95	1.40543	1.21540	1.54013	1.10476	1.37472	1.30276	50.00	0.67174	0.64720	0.73503	0.62954	0.71564	0.68302
1.00	1.37611	1.19387	1.50722	1.08799	1.34660	1.27798	55.00	0.66476	0.64050	0.72767	0.62302	0.70845	0.67612
1.10	1.32599	1.15501	1.44753	1.05889	1.29775	1.23443	60.00	0.65846	0.63444	0.72100	0.61713	0.70194	0.66988
1.20	1.28268	1.12246	1.39688	1.03476	1.25720	1.19766	65.00	0.65272	0.62892	0.71492	0.61175	0.69600	0.66418
1.30	1.24509	1.09563	1.35356	1.01438	1.22274	1.16636	70.00	0.64745	0.62385	0.70933	0.60682	0.69053	0.65894
1.40	1.21319	1.07260	1.31599	0.99699	1.19327	1.13958	75.00	0.64259	0.61916	0.70416	0.60225	0.68548	0.65409
1.50	1.18611	1.05235	1.28316	0.98188	1.16790	1.11634	80.00	0.63807	0.61481	0.69935	0.59802	0.68078	0.64958
1.60	1.16069	1.03479	1.25461	0.96862	1.14591	1.09593	85.00	0.63385	0.61075	0.69486	0.59406	0.67639	0.64537
1.70	1.13804	1.01914	1.22898	0.95683	1.12660	1.07792	90.00	0.62991	0.60695	0.69064	0.59035	0.67227	0.64143
1.80	1.11737	1.00532	1.20613	0.94633	1.10956	1.06194	95.00	0.62619	0.60337	0.68668	0.58687	0.66839	0.63771
1.90	1.09968	0.99289	1.18566	0.93684	1.09432	1.04766	100.00	0.62269	0.59999	0.68293	0.58358	0.66473	0.63421
2.00	1.08391	0.98167	1.16734	0.92825	1.08066	1.03483	125.00	0.60767	0.58551	0.66684	0.56947	0.64900	0.61914
2.20	1.05604	0.96213	1.13591	0.91316	1.05713	1.01264	150.00	0.59567	0.57392	0.65393	0.55819	0.63637	0.60706
2.40	1.03262	0.94571	1.10980	0.90031	1.03746	0.99410	175.00	0.58569	0.56429	0.64318	0.54881	0.62586	0.59701
2.60	1.01241	0.93163	1.08760	0.88913	1.02101	0.97826	200.00	0.57718	0.55608	0.63398	0.54081	0.61688	0.58842
2.80	0.99504	0.91942	1.06855	0.87928	1.00693	0.96457							
3.00	0.97986	0.90862	1.05205	0.87051	0.99462	0.95263							
3.20	0.96641	0.89898	1.03765	0.86259	0.98364	0.94215							
3.40	0.95432	0.89033	1.02495	0.85539	0.97386	0.93279							
3.60	0.94366	0.88249	1.01361	0.84882	0.96511	0.92432							
3.80	0.93392	0.87532	1.00339	0.84276	0.95718	0.91662							
4.00	0.92517	0.86873	0.99411	0.83714	0.94994	0.90959							
4.50	0.90609	0.85432	0.97425	0.82468	0.93421	0.89433							
5.00	0.89026	0.84216	0.95802	0.81400	0.92108	0.88158							
5.50	0.87694	0.83165	0.94441	0.80466	0.90983	0.87067							
6.00	0.86539	0.82242	0.93271	0.79636	0.90004	0.86115							
6.50	0.85529	0.81420	0.92251	0.78891	0.89137	0.85271							
7.00	0.84636	0.80679	0.91346	0.78214	0.88358	0.84515							
7.50	0.83832	0.80006	0.90535	0.77595	0.87651	0.83830							
8.00	0.83103	0.79389	0.89802	0.77024	0.87006	0.83203							
8.50	0.82437	0.78821	0.89134	0.76495	0.86411	0.82626							
9.00	0.81824	0.78293	0.88519	0.76002	0.85860	0.82092							
9.50	0.81257	0.77801	0.87949	0.75541	0.85347	0.81594							
10.00	0.80730	0.77340	0.87420	0.75108	0.84867	0.81128							
11.00	0.79775	0.76498	0.86462	0.74313	0.83989	0.80278							
12.00	0.78932	0.75744	0.85612	0.73598	0.83203	0.79517							
13.00	0.78176	0.75062	0.84849	0.72949	0.82491	0.78829							
14.00	0.77491	0.74440	0.84156	0.72354	0.81842	0.78200							

Collision integrals for the (18, 6, 8) potential function for $\gamma = 0.6$

T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$	T^*	$\Omega^{(1,1)*}$	$\Omega^{(1,2)*}$	$\Omega^{(2,2)*}$	$\Omega^{(1,3)*}$	$\Omega^{(2,3)*}$	$\Omega^{(3,3)*}$
0.10	3.14415	2.81304	3.31712	2.59239	3.06102	2.99693	15.00	0.77033	0.74047	0.83675	0.71993	0.81408	0.77791
0.15	2.76659	2.47465	2.92852	2.27713	2.70566	2.63403	16.00	0.76460	0.73520	0.83094	0.71487	0.80857	0.77258
0.20	2.52225	2.25275	2.68482	2.06174	2.48257	2.39339	17.00	0.75929	0.73029	0.82554	0.71015	0.80344	0.76762
0.25	2.34466	2.08306	2.51037	1.89458	2.32160	2.21323	18.00	0.75435	0.72570	0.82051	0.70573	0.79863	0.76298
0.30	2.20355	1.94585	2.37501	1.75754	2.19087	2.06907	19.00	0.74973	0.72140	0.81580	0.70158	0.79413	0.75863
0.35	2.08618	1.83017	2.26162	1.64380	2.07766	1.94968	20.00	0.74540	0.71735	0.81137	0.69768	0.78987	0.75453
0.40	1.98341	1.73157	2.16289	1.54998	1.97787	1.84957	22.00	0.73745	0.70989	0.80323	0.69047	0.78204	0.74697
0.45	1.89508	1.64694	2.07487	1.47012	1.88665	1.76183	24.00	0.73031	0.70317	0.79590	0.68397	0.77496	0.74015
0.50	1.81717	1.57387	1.99539	1.40381	1.80603	1.68661	26.00	0.72383	0.69705	0.78923	0.67804	0.76851	0.73393
0.55	1.74844	1.51033	1.92317	1.34781	1.73554	1.62081	28.00	0.71791	0.69144	0.78311	0.67260	0.76258	0.72822
0.60	1.68708	1.45518	1.85723	1.30084	1.66977	1.56344	30.00	0.71246	0.68626	0.77747	0.66757	0.75710	0.72294
0.65	1.63226	1.40700	1.79783	1.25927	1.61071	1.51120	32.00	0.70741	0.68145	0.77223	0.66291	0.75200	0.71803
0.70	1.58280	1.36362	1.74171	1.22398	1.55926	1.46555	34.00	0.70271	0.67697	0.76734	0.65855	0.74725	0.71345
0.75	1.53835	1.32666	1.69282	1.19408	1.51366	1.42532	36.00	0.69832	0.67277	0.76276	0.65447	0.74279	0.70916
0.80	1.49881	1.29380	1.64764	1.16764	1.47222	1.38913	38.00	0.69419	0.66883	0.75845	0.65064	0.73859	0.70512
0.85	1.46111	1.26321	1.60450	1.14370	1.43452	1.35587	40.00	0.69030	0.66510	0.75438	0.64702	0.73462	0.70131
0.90	1.42815	1.23615	1.56587	1.12269	1.40095	1.32600	45.00	0.68146	0.65663	0.74512	0.63878	0.72559	0.69263
0.95	1.39785	1.21214	1.53096	1.10392	1.37044	1.29883	50.00	0.67366	0.64915	0.73693	0.63150	0.71758	0.68494
1.00	1.36942	1.19120	1.49922	1.08734	1.34286	1.27442	55.00	0.66670	0.64245	0.72958	0.62498	0.71041	0.67805
1.10	1.32015	1.15357	1.44144	1.05868	1.29489	1.23182	60.00	0.66040	0.63640	0.72293	0.61908	0.70391	0.67181
1.20	1.27834	1.12147	1.39186	1.03468	1.25480	1.19556	65.00	0.65466	0.63087	0.71686	0.61370	0.69797	0.66612
1.30	1.24070	1.09458	1.34916	1.01451	1.22095	1.16476	70.00	0.64940	0.62580	0.71128	0.60876	0.69251	0.66088
1.40	1.20919	1.07195	1.31232	0.99728	1.19189	1.13833	75.00	0.64453	0.62112	0.70611	0.60420	0.68746	0.65603
1.50	1.18279	1.05206	1.28011	0.98229	1.16679	1.11538	80.00	0.64001	0.61676	0.70131	0.59996	0.68276	0.65153
1.60	1.15877	1.03451	1.25181	0.96914	1.14502	1.09526	85.00	0.63580	0.61270	0.69682	0.59600	0.67838	0.64732
1.70	1.13608	1.01910	1.22680	0.95745	1.12593	1.07745	90.00	0.63185	0.60889	0.69261	0.59229	0.67426	0.64338
1.80	1.11611	1.00542	1.20434	0.94700	1.10903	1.06162	95.00	0.62814	0.60531	0.68865	0.58880	0.67038	0.63966
1.90	1.09812	0.99313	1.18414	0.93759	1.09398	1.04749	100.00	0.62463	0.60193	0.68491	0.58551	0.66672	0.63616
2.00	1.08249	0.98200	1.16600	0.92905	1.08044	1.03477	125.00	0.60961	0.58743	0.66883	0.57138	0.65099	0.62109
2.20	1.05535	0.96267	1.13495	0.91408	1.05713	1.01279	150.00	0.59760	0.57583	0.65592	0.56008	0.63837	0.60900
2.40	1.03197	0.94630	1.10906	0.90128	1.03776	0.99438	175.00	0.58761	0.56620	0.64517	0.55069	0.62786	0.59894
2.60	1.01216	0.93235	1.08719	0.89019	1.02128	0.97873	200.00	0.57909	0.55797	0.63597	0.54267	0.61887	0.59034
2.80	0.99504	0.92025	1.06836	0.88041	1.00727	0.96517							
3.00	0.97999	0.90954	1.05201	0.87170	0.99508	0.95330							
3.20	0.96673	0.89997	1.03772	0.86384	0.98424	0.94286							
3.40	0.95482	0.89137	1.02512	0.85668	0.97453	0.93357							
3.60	0.94407	0.88358	1.01388	0.85013	0.96581	0.92518							
3.80	0.93452	0.87647	1.00376	0.84411	0.95794	0.91754							
4.00	0.92579	0.86992	0.99457	0.83852	0.95074	0.91056							
4.50	0.90697	0.85559	0.97488	0.82614	0.93514	0.89540							
5.00	0.89124	0.84350	0.95876	0.81551	0.92209	0.88273							
5.50	0.87801	0.83305	0.94523	0.80621	0.91093	0.87188							
6.00	0.86657	0.82387	0.93364	0.79795	0.90119	0.86242							
6.50	0.85653	0.81569	0.92350	0.79053	0.89257	0.85403							
7.00	0.84762	0.80833	0.91452	0.78379	0.88483	0.84651							
7.50	0.83965	0.80163	0.90646	0.77763	0.87781	0.83969							
8.00	0.83241	0.79549	0.89917	0.77194	0.87139	0.83346							
8.50	0.82579	0.78983	0.89254	0.76667	0.86549	0.82772							
9.00	0.81970	0.78457	0.88643	0.76176	0.86001	0.82240							
9.50	0.81406	0.77967	0.88077	0.75717	0.85490	0.81745							
10.00	0.80881	0.77508	0.87551	0.75285	0.85013	0.81282							
11.00	0.79931	0.76669	0.86598	0.74492	0.84139	0.80435							
12.00	0.79091	0.75918	0.85753	0.73779	0.83358	0.79678							
13.00	0.78339	0.75238	0.84995	0.73132	0.82650	0.78992							
14.00	0.77656	0.74618	0.84306	0.72539	0.82003	0.78366							

TABLE 3. *Thermal diffusion factor for the* (m, 6, 8) *potential function for various values of* m *and* γ

Thermal diffusion factor for the (9, 6, 8) *potential function*

T*	γ					
	0.	1.	2.	3.	4.	5.
.100	.2625	.2658	.2777	.2935	.3065	.3198
.150	.2107	.2251	.2386	.2536	.2703	.2873
.200	.1368	.1564	.1723	.1902	.2098	.2301
.250	.0532	.0744	.0945	.1144	.1395	.1616
.300	−.0218	.0016	.0233	.0474	.0686	.0942
.350	−.0796	−.0606	−.0349	−.0083	.0159	.0368
.400	−.1232	−.1002	−.0754	−.0513	−.0307	−.0098
.450	−.1524	−.1299	−.1082	−.0885	−.0628	−.0380
.500	−.1690	−.1487	−.1257	−.1038	−.0840	−.0627
.550	−.1800	−.1635	−.1393	−.1168	−.0962	−.0731
.600	−.1823	−.1643	−.1483	−.1294	−.1056	−.0834
.650	−.1791	−.1542	−.1361	−.1212	−.1065	−.0897
.700	−.1709	−.1547	−.1338	−.1127	−.0943	−.0787
.750	−.1644	−.1467	−.1282	−.1106	−.0914	−.0710
.800	−.1514	−.1297	−.1162	−.1020	−.0843	−.0677
.850	−.1350	−.1158	−.1016	−.0848	−.0717	−.0585
.900	−.1213	−.1044	−.0863	−.0707	−.0581	−.0421
.950	−.1076	−.0971	−.0777	−.0586	−.0430	−.0289
1.000	−.0924	−.0812	−.0674	−.0516	−.0332	−.0161
1.100	−.0577	−.0449	−.0343	−.0208	−.0086	.0026
1.200	−.0264	−.0096	.0035	.0140	.0226	.0343
1.300	.0036	.0176	.0312	.0441	.0560	.0665
1.400	.0336	.0460	.0575	.0691	.0814	.0932
1.500	.0626	.0726	.0843	.0954	.1056	.1159
1.600	.0893	.0999	.1099	.1195	.1297	.1398
1.700	.1131	.1244	.1346	.1443	.1530	.1616
1.800	.1360	.1471	.1570	.1664	.1753	.1837
1.900	.1579	.1678	.1777	.1871	.1959	.2041
2.000	.1785	.1875	.1969	.2059	.2146	.2229
2.200	.2155	.2254	.2336	.2411	.2484	.2559
2.400	.2476	.2566	.2649	.2726	.2799	.2865
2.600	.2739	.2825	.2911	.2991	.3062	.3127
2.800	.2975	.3059	.3136	.3210	.3282	.3349
3.000	.3189	.3272	.3344	.3411	.3476	.3539
3.200	.3377	.3458	.3530	.3595	.3654	.3711
3.400	.3543	.3617	.3689	.3755	.3814	.3870
3.600	.3690	.3761	.3829	.3893	.3954	.4009
3.800	.3819	.3893	.3958	.4018	.4075	.4130
4.000	.3934	.4006	.4072	.4133	.4187	.4238
4.500	.4164	.4237	.4302	.4362	.4415	.4464
5.000	.4341	.4411	.4474	.4532	.4586	.4635
5.500	.4483	.4550	.4611	.4667	.4718	.4766
6.000	.4596	.4661	.4721	.4775	.4824	.4870
6.500	.4687	.4753	.4810	.4863	.4911	.4956
7.000	.4760	.4826	.4884	.4936	.4983	.5026
7.500	.4820	.4884	.4942	.4994	.5041	.5084
8.000	.4869	.4933	.4990	.5041	.5088	.5131
8.500	.4909	.4974	.5030	.5081	.5127	.5169
9.000	.4943	.5007	.5063	.5114	.5160	.5202
9.500	.4970	.5034	.5091	.5141	.5187	.5229

Thermal diffusion factor for the (9, 6, 8) potential function – Continued

T*	γ					
	0.	1.	2.	3.	4.	5.
10.000	.4993	.5057	.5113	.5164	.5209	.5251
11.000	.5029	.5093	.5149	.5199	.5244	.5285
12.000	.5056	.5119	.5174	.5224	.5268	.5309
13.000	.5075	.5138	.5193	.5242	.5286	.5327
14.000	.5089	.5152	.5207	.5256	.5299	.5339
15.000	.5099	.5162	.5216	.5265	.5309	.5348
16.000	.5106	.5168	.5223	.5271	.5315	.5354
17.000	.5110	.5173	.5227	.5276	.5319	.5358
18.000	.5113	.5176	.5230	.5278	.5321	.5360
19.000	.5114	.5177	.5231	.5279	.5322	.5361
20.000	.5114	.5177	.5232	.5280	.5322	.5361
22.000	.5112	.5175	.5230	.5277	.5320	.5359
24.000	.5108	.5171	.5225	.5273	.5316	.5354
26.000	.5103	.5166	.5220	.5268	.5310	.5348
28.000	.5097	.5160	.5214	.5261	.5304	.5341
30.000	.5090	.5153	.5207	.5255	.5297	.5335
32.000	.5083	.5146	.5201	.5248	.5290	.5327
34.000	.5076	.5140	.5194	.5241	.5283	.5320
36.000	.5069	.5133	.5187	.5234	.5276	.5313
38.000	.5063	.5126	.5180	.5227	.5269	.5306
40.000	.5056	.5119	.5173	.5220	.5262	.5299
45.000	.5040	.5103	.5157	.5204	.5245	.5282
50.000	.5025	.5088	.5142	.5189	.5230	.5267
55.000	.5011	.5074	.5128	.5175	5216	.5252
60.000	.4998	.5062	.5115	.5162	.5202	.5239
65.000	.4986	.5050	.5103	.5150	.5190	.5226
70.000	.4975	.5039	.5092	.5138	.5179	.5215
75.000	.4965	.5028	.5082	.5128	.5168	.5204
80.000	.4955	.5019	.5072	.5118	.5158	.5194
85.000	.4946	.5010	.5063	.5109	.5149	.5185
90.000	.4938	.5001	.5055	.5100	.5140	.5176
95.000	.4930	.4993	.5047	.5092	.5132	.5167
100.000	.4922	.4986	.5039	.5085	.5124	.5160
125.000	.4890	.4954	.5007	.5052	.5091	.5126
150.000	.4865	.4929	.4982	.5026	.5065	.5099
175.000	.4845	.4908	.4961	.5005	.5044	.5077
200.000	.4828	.4891	.4944	.4988	.5026	.5059

Thermal diffusion factor for the (10, 6, 8) potential function

T*	γ						
	0.	1.	2.	3.	4.		
.100	.2745	.2952	.3139	.3428	.3801		
.150	.2329	.2601	.2858	.3219	.3477		
.200	.1718	.2033	.2407	.2736	.3148		
.250	.0965	.1348	.1714	.2159	.2567		
.300	.0297	.0686	.1113	.1582	.1984		
.350	−.0256	.0152	.0574	.1065	.1461		
.400	−.0662	−.0291	.0133	.0593	.1025		
.450	−.1014	−.0568	−.0150	.0293	.0674		
.500	−.1159	−.0781	−.0413	.0002	.0450		
.550	−.1281	−.0897	−.0505	−.0061	.0243		
.600	−.1382	−.0977	−.0586	−.0262	.0152		
.650	−.1268	−.1001	−.0649	−.0253	.0104		
.700	−.1230	−.0863	−.0605	−.0290	.0076		
.750	−.1169	−.0827	−.0473	−.0192	.0059		
.800	−.1065	−.0759	−.0428	−.0163	.0161		
.850	−.0896	−.0639	−.0352	−.0043	.0290		
.900	−.0752	−.0480	−.0237	.0071	.0329		
.950	−.0647	−.0336	−.0086	.0158	.0396		
1.000	−.0562	−.0231	.0058	.0239	.0500		
1.100	−.0228	−.0002	.0253	.0533	.0777		
1.200	.0138	.0316	.0525	.0756	.0977		
1.300	.0425	.0655	.0836	.0974	.1173		
1.400	.0685	.0914	.1124	.1297	.1450		
1.500	.0956	.1153	.1354	.1542	.1714		
1.600	.1207	.1399	.1576	.1754	.1931		
1.700	.1454	.1627	.1798	.1963	.2115		
1.800	.1677	.1850	.2008	.2143	.2301		
1.900	.1885	.2056	.2208	.2353	.2488		
2.000	.2076	.2245	.2394	.2533	.2653		
2.200	.2438	.2581	.2725	.2853	.2973		
2.400	.2751	.2898	.3017	.3136	.3249		
2.600	.3018	.3160	.3283	.3393	.3487		
2.800	.3241	.3381	.3506	.3593	.3708		
3.000	.3447	.3575	.3694	.3803	.3898		
3.200	.3633	.3753	.3861	.3965	.4059		
3.400	.3793	.3913	.4016	.4109	.4197		
3.600	.3933	.4053	.4155	.4243	.4324		
3.800	.4061	.4175	.4277	.4364	.4441		
4.000	.4176	.4286	.4383	.4470	.4548		
4.500	.4407	.4515	.4609	.4690	.4761		
5.000	.4580	.4688	.4779	.4857	.4929		
5.500	.4718	.4821	.4910	.4988	.5057		
6.000	.4828	.4928	.5014	.5089	.5156		
6.500	.4919	.5016	.5099	.5172	.5236		
7.000	.4993	.5089	.5170	.5240	.5302		
7.500	.5053	.5148	.5228	.5297	.5357		
8.000	.5102	.5197	.5276	.5344	.5403		
8.500	.5143	.5236	.5315	.5383	.5442		
9.000	.5177	.5270	.5348	.5415	.5474		
9.500	.5206	.5299	.5376	.5442	.5500		

Thermal diffusion factor for the (10, 6, 8) potential function – Continued

T*	γ						
	0.	1.	2.	3.	4.		
10.000	.5230	.5322	.5399	.5464	.5522		
11.000	.5267	.5358	.5435	.5499	.5556		
12.000	.5294	.5385	.5460	.5524	.5581		
13.000	.5314	.5404	.5479	.5542	.5597		
14.000	.5330	.5419	.5493	.5555	.5610		
15.000	.5341	.5430	.5503	.5565	.5618		
16.000	.5349	.5438	.5510	.5571	.5625		
17.000	.5355	.5443	.5515	.5576	.5629		
18.000	.5359	.5447	.5518	.5579	.5631		
19.000	.5361	.5449	.5520	.5581	.5632		
20.000	.5363	.5450	.5521	.5581	.5632		
22.000	.5363	.5450	.5521	.5580	.5631		
24.000	.5361	.5448	.5518	.5577	.5627		
26.000	.5358	.5444	.5514	.5572	.5622		
28.000	.5354	.5440	.5509	.5567	.5616		
30.000	.5349	.5434	.5503	.5561	.5610		
32.000	.5344	.5429	.5498	.5555	.5603		
34.000	.5338	.5423	.5492	.5549	.5597		
36.000	.5333	.5418	.5486	.5542	.5590		
38.000	.5327	.5412	.5480	.5536	.5584		
40.000	.5322	.5407	.5474	.5530	.5577		
45.000	.5309	.5393	.5460	.5515	.5562		
50.000	.5297	.5380	.5447	.5501	.5548		
55.000	.5285	.5368	.5434	.5489	.5534		
60.000	.5275	.5357	.5423	.5477	.5522		
65.000	.5265	.5347	.5412	.5466	.5511		
70.000	.5256	.5338	.5402	.5455	.5500		
75.000	.5247	.5329	.5393	.5446	.5490		
80.000	.5239	.5321	.5384	.5437	.5481		
85.000	.5232	.5313	.5376	.5428	.5472		
90.000	.5225	.5306	.5369	.5420	.5464		
95.000	.5218	.5299	.5362	.5413	.5456		
100.000	.5212	.5292	.5355	.5406	.5449		
125.000	.5185	.5265	.5326	.5376	.5418		
150.000	.5165	.5243	.5303	.5352	.5393		
175.000	.5148	.5225	.5284	.5332	.5373		
200.000	.5134	.5210	.5269	.5316	.5356		

Thermal diffusion factor for the (11, 6, 8) potential function

T*	γ						
	0.	0.5	1.0	1.5	2.0	2.5	3.0
.100	.2847	.2921	.3063	.3259	.3488	.3708	.3934
.150	.2513	.2658	.2922	.3035	.3205	.3461	.3762
.200	.1976	.2217	.2407	.2634	.2904	.3126	.3401
.250	.1316	.1558	.1833	.2091	.2365	.2651	.2939
.300	.0679	.0961	.1249	.1508	.1817	.2137	.2401
.350	.0156	.0444	.0730	.1018	.1320	.1627	.1935
.400	−.0269	.0020	.0342	.0626	.0918	.1209	.1511
.450	−.0533	−.0240	.0041	.0283	.0585	.0892	.1195
.500	−.0729	−.0496	−.0194	.0100	.0383	.0665	.0912
.550	−.0844	−.0562	−.0319	−.0077	.0192	.0483	.0746
.600	−.0912	−.0643	−.0384	−.0114	.0118	.0388	.0614
.650	−.0942	−.0702	−.0425	−.0164	.0085	.0324	.0566
.700	−.0792	−.0626	−.0433	−.0193	.0065	.0319	.0547
.750	−.0749	−.0484	−.0294	−.0134	.0060	.0297	.0543
.800	−.0680	−.0453	−.0208	.0018	.0176	.0351	.0534
.850	−.0568	−.0375	−.0160	.0067	.0305	.0479	.0631
.900	−.0391	−.0229	−.0064	.0136	.0351	.0541	.0770
.950	−.0252	−.0070	.0099	.0240	.0427	.0634	.0825
1.000	−.0134	.0069	.0238	.0405	.0538	.0714	.0889
1.100	.0080	.0257	.0464	.0665	.0820	.0962	.1100
1.200	.0410	.0558	.0689	.0837	.1023	.1207	.1358
1.300	.0752	.0876	.0992	.1119	.1232	.1369	.1528
1.400	.1006	.1161	.1294	.1407	.1510	.1617	.1717
1.500	.1246	.1390	.1533	.1665	.1781	.1869	.1972
1.600	.1496	.1620	.1744	.1873	.1998	.2114	.2215
1.700	.1724	.1847	.1963	.2072	.2186	.2298	.2411
1.800	.1948	.2058	.2165	.2277	.2375	.2475	.2577
1.900	.2151	.2261	.2364	.2459	.2563	.2654	.2740
2.000	.2342	.2450	.2550	.2644	.2731	.2818	.2909
2.200	.2680	.2783	.2881	.2971	.3053	.3134	.3210
2.400	.2995	.3080	.3164	.3250	.3331	.3405	.3475
2.600	.3259	.3350	.3431	.3500	.3571	.3642	.3710
2.800	.3481	.3572	.3653	.3730	.3795	.3855	.3913
3.000	.3675	.3761	.3842	.3918	.3983	.4046	.4102
3.200	.3853	.3932	.4007	.4078	.4146	.4209	.4267
3.400	.4015	.4089	.4157	.4223	.4285	.4347	.4406
3.600	.4155	.4229	.4296	.4357	.4414	.4470	.4524
3.800	.4277	.4352	.4418	.4478	.4533	.4583	.4633
4.000	.4388	.4459	.4525	.4586	.4640	.4689	.4735
4.500	.4620	.4688	.4749	.4803	.4855	.4904	.4950
5.000	.4793	.4860	.4920	.4974	.5024	.5068	.5110
5.500	.4928	.4993	.5051	.5104	.5154	.5197	.5239
6.000	.5037	.5100	.5156	.5207	.5254	.5298	.5339
6.500	.5126	.5187	.5241	.5291	.5336	.5378	.5417
7.000	.5200	.5259	.5311	.5359	.5404	.5444	.5482
7.500	.5261	.5319	.5371	.5417	.5460	.5500	.5536
8.000	.5311	.5369	.5420	.5466	.5507	.5546	.5581
8.500	.5352	.5409	.5460	.5506	.5547	.5585	.5619
9.000	.5387	.5443	.5493	.5539	.5580	.5618	.5652
9.500	.5417	.5472	.5522	.5566	.5608	.5645	.5679

Thermal diffusion factor for the (11, 6, 8) potential function—Continued

T*	γ						
	0.	0.5	1.0	1.5	2.0	2.5	3.0
10.000	.5441	.5497	.5546	.5590	.5630	.5668	.5702
11.000	.5480	.5535	.5584	.5627	.5667	.5703	.5736
12.000	.5508	.5563	.5611	.5654	.5693	.5728	.5762
13.000	.5530	.5584	.5631	.5673	.5712	.5748	.5780
14.000	.5547	.5600	.5646	.5688	.5726	.5761	.5793
15.000	.5559	.5612	.5658	.5699	.5737	.5771	.5802
16.000	.5568	.5621	.5666	.5707	.5744	.5778	.5809
17.000	.5575	.5627	.5673	.5713	.5750	.5783	.5814
18.000	.5581	.5632	.5677	.5718	.5754	.5787	.5817
19.000	.5584	.5636	.5681	.5720	.5756	.5789	.5819
20.000	.5587	.5638	.5683	.5722	.5758	.5790	.5820
22.000	.5590	.5640	.5684	.5723	.5758	.5790	.5820
24.000	.5590	.5640	.5683	.5722	.5757	.5788	.5817
26.000	.5588	.5638	.5681	.5720	.5754	.5785	.5814
28.000	.5586	.5635	.5678	.5716	.5750	.5781	.5809
30.000	.5582	.5631	.5674	.5712	.5745	.5776	.5804
32.000	.5579	.5628	.5670	.5707	.5740	.5771	.5799
34.000	.5575	.5623	.5666	.5703	.5735	.5766	.5793
36.000	.5571	.5619	.5661	.5698	.5730	.5760	.5787
38.000	.5567	.5615	.5656	.5693	.5725	.5755	.5782
40.000	.5563	.5610	.5652	.5688	.5720	.5750	.5776
45.000	.5552	.5600	.5640	.5676	.5708	.5737	.5763
50.000	.5542	.5589	.5630	.5665	.5696	.5725	.5751
55.000	.5533	.5580	.5619	.5655	.5686	.5714	.5739
60.000	.5525	.5571	.5610	.5645	.5675	.5703	.5728
65.000	.5517	.5562	.5601	.5636	.5666	.5693	.5718
70.000	.5509	.5554	.5593	.5627	.5657	.5684	.5709
75.000	.5502	.5547	.5586	.5619	.5649	.5676	.5700
80.000	.5496	.5540	.5578	.5612	.5641	.5668	.5692
85.000	.5490	.5534	.5572	.5605	.5634	.5661	.5684
90.000	.5484	.5528	.5565	.5598	.5628	.5654	.5677
95.000	.5479	.5522	.5559	.5592	.5621	.5647	.5670
100.000	.5473	.5517	.5554	.5586	.5615	.5641	.5664
125.000	.5452	.5494	.5530	.5561	.5589	.5614	.5637
150.000	.5435	.5476	.5511	.5542	.5569	.5593	.5615
175.000	.5421	.5462	.5496	.5526	.5552	.5576	.5597
200.000	.5410	.5449	.5483	.5512	.5538	.5561	.5582

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T*	γ					
	0.	0.5	1.0	1.5	2.0	2.5
.100	.2887	.3016	.3227	.3487	.3722	.4022
.150	.2621	.2854	.3027	.3296	.3583	.3868
.200	.2170	.2424	.2730	.2970	.3289	.3633
.250	.1582	.1900	.2219	.2524	.2876	.3222
.300	.1007	.1336	.1661	.2029	.2394	.2765
.350	.0507	.0855	.1182	.1573	.1942	.2319
.400	.0114	.0498	.0803	.1182	.1546	.1930
.450	−.0170	.0168	.0469	.0902	.1231	.1597
.500	−.0359	−.0014	.0272	.0647	.0986	.1352
.550	−.0481	−.0149	.0113	.0515	.0848	.1166
.600	−.0522	−.0203	.0077	.0392	.0711	.1043
.650	−.0529	−.0240	.0065	.0381	.0669	.0946
.700	−.0494	−.0273	.0057	.0367	.0643	.0934
.750	−.0425	−.0159	.0089	.0360	.0656	.0937
.800	−.0329	−.0024	.0205	.0401	.0662	.0946
.850	−.0223	.0032	.0220	.0544	.0729	.0951
.900	−.0117	.0118	.0388	.0650	.0870	.1050
.950	.0013	.0241	.0501	.0703	.0963	.1179
1.000	.0159	.0400	.0593	.0782	.1018	.1248
1.100	.0436	.0655	.0851	.1060	.1207	.1399
1.200	.0703	.0848	.1068	.1298	.1473	.1633
1.300	.0988	.1142	.1328	.1454	.1667	.1859
1.400	.1262	.1442	.1515	.1708	.1835	.2008
1.500	.1507	.1694	.1842	.1964	.2087	.2202
1.600	.1743	.1904	.2058	.2210	.2326	.2426
1.700	.1972	.2113	.2257	.2399	.2535	.2649
1.800	.2190	.2319	.2452	.2572	.2705	.2829
1.900	.2391	.2511	.2615	.2751	.2864	.2982
2.000	.2573	.2695	.2815	.2924	.3028	.3129
2.200	.2905	.3025	.3131	.3233	.3325	.3420
2.400	.3204	.3308	.3409	.3507	.3593	.3678
2.600	.3466	.3566	.3658	.3744	.3829	.3905
2.800	.3694	.3790	.3878	.3955	.4032	.4106
3.000	.3886	.3983	.4058	.4152	.4217	.4282
3.200	.4055	.4146	.4233	.4313	.4384	.4445
3.400	.4208	.4294	.4376	.4451	.4523	.4584
3.600	.4346	.4430	.4504	.4574	.4642	.4707
3.800	.4472	.4553	.4624	.4688	.4750	.4811
4.000	.4582	.4661	.4731	.4794	.4851	.4906
4.500	.4811	.4882	.4949	.5010	.5067	.5116
5.000	.4984	.5055	.5115	.5175	.5227	.5276
5.500	.5117	.5188	.5251	.5306	.5357	.5402
6.000	.5225	.5293	.5353	.5408	.5458	.5502
6.500	.5314	.5379	.5437	.5489	.5537	.5582
7.000	.5387	.5450	.5506	.5557	.5603	.5645
7.500	.5448	.5509	.5564	.5613	.5658	.5699
8.000	.5498	.5559	.5613	.5660	.5704	.5744
8.500	.5540	.5601	.5654	.5700	.5743	.5782
9.000	.5576	.5635	.5688	.5734	.5776	.5814
9.500	.5606	.5664	.5717	.5763	.5804	.5841

Thermal diffusion factor for the (12, 6, 8) potential function – Continued

T*	γ					
	0.	0.5	1.0	1.5	2.0	2.5
10.000	.5632	.5690	.5741	.5787	.5828	.5865
11.000	.5672	.5729	.5779	.5824	.5864	.5901
12.000	.5702	.5758	.5808	.5852	.5891	.5927
13.000	.5724	.5780	.5829	.5872	.5911	.5946
14.000	.5742	.5797	.5845	.5887	.5925	.5960
15.000	.5756	.5810	.5857	.5899	.5936	.5970
16.000	.5767	.5820	.5866	.5907	.5944	.5978
17.000	.5775	.5828	.5873	.5914	.5951	.5984
18.000	.5781	.5833	.5879	.5919	.5955	.5988
19.000	.5786	.5838	.5883	.5922	.5958	.5990
20.000	.5789	.5841	.5885	.5925	.5960	.5992
22.000	.5794	.5845	.5888	.5927	.5962	.5993
24.000	.5796	.5846	.5889	.5927	.5962	.5992
26.000	.5796	.5846	.5888	.5926	.5960	.5990
28.000	.5795	.5844	.5886	.5923	.5957	.5987
30.000	.5793	.5842	.5883	.5920	.5953	.5983
32.000	.5791	.5839	.5880	.5917	.5949	.5979
34.000	.5789	.5836	.5877	.5913	.5945	.5974
36.000	.5786	.5833	.5873	.5909	.5941	.5970
38.000	.5783	.5830	.5870	.5905	.5937	.5965
40.000	.5780	.5826	.5866	.5901	.5932	.5960
45.000	.5772	.5818	.5857	.5891	.5922	.5949
50.000	.5764	.5809	.5848	.5882	.5912	.5939
55.000	.5757	.5801	.5839	.5873	.5902	.5929
60.000	.5750	.5794	.5831	.5864	.5893	.5919
65.000	.5744	.5787	.5824	.5856	.5885	.5911
70.000	.5738	.5781	.5817	.5849	.5877	.5902
75.000	.5732	.5774	.5811	.5842	.5870	.5895
80.000	.5727	.5769	.5805	.5836	.5863	.5888
85.000	.5722	.5763	.5799	.5830	.5857	.5881
90.000	.5717	.5758	.5794	.5824	.5851	.5875
95.000	.5713	.5754	.5789	.5819	.5845	.5869
100.000	.5709	.5749	.5784	.5814	.5840	.5863
125.000	.5691	.5730	.5763	.5792	.5817	.5840
150.000	.5677	.5715	.5747	.5775	.5799	.5821
175.000	.5666	.5703	.5734	.5761	.5784	.5805
200.000	.5657	.5693	.5723	.5749	.5772	.5792

Thermal diffusion factor for the (13, 6, 8) potential function

T*	γ					
	0.	0.4	0.8	1.0	1.5	2.0
.100	.2884	.3067	.3292	.3351	.3598	.3922
.150	.2727	.2837	.3074	.3193	.3475	.3846
.200	.2309	.2538	.2770	.2919	.3259	.3607
.250	.1802	.2068	.2348	.2494	.2880	.3276
.300	.1256	.1558	.1882	.2021	.2456	.2866
.350	.0795	.1102	.1438	.1603	.2018	.2449
.400	.0453	.0735	.1068	.1239	.1646	.2088
.450	.0138	.0440	.0800	.0977	.1368	.1782
.500	−.0029	.0275	.0584	.0719	.1136	.1560
.550	−.0156	.0115	.0455	.0605	.0995	.1348
.600	−.0219	.0078	.0358	.0482	.0887	.1259
.650	−.0228	.0060	.0348	.0481	.0810	.1160
.700	−.0248	.0054	.0343	.0478	.0821	.1140
.750	−.0130	.0081	.0343	.0484	.0823	.1136
.800	.0014	.0221	.0404	.0510	.0836	.1162
.850	.0068	.0316	.0555	.0639	.0873	.1179
.900	.0155	.0399	.0649	.0778	.1001	.1221
.950	.0288	.0492	.0717	.0833	.1136	.1340
1.000	.0454	.0624	.0802	.0910	.1185	.1470
1.100	.0709	.0911	.1092	.1170	.1350	.1593
1.200	.0907	.1110	.1331	.1426	.1630	.1788
1.300	.1211	.1357	.1497	.1592	.1838	.2032
1.400	.1511	.1620	.1762	.1822	.1988	.2212
1.500	.1764	.1909	.2025	.2079	.2221	.2357
1.600	.1977	.2127	.2268	.2329	.2454	.2580
1.700	.2189	.2322	.2458	.2526	.2677	.2789
1.800	.2397	.2520	.2636	.2698	.2852	.2991
1.900	.2590	.2704	.2820	.2871	.3008	.3148
2.000	.2775	.2885	.2991	.3045	.3163	.3288
2.200	.3109	.3210	.3305	.3352	.3461	.3570
2.400	.3393	.3492	.3582	.3625	.3725	.3821
2.600	.3652	.3737	.3822	.3864	.3959	.4046
2.800	.3879	.3964	.4036	.4071	.4162	.4246
3.000	.4072	.4153	.4233	.4266	.4342	.4420
3.200	.4236	.4319	.4395	.4428	.4510	.4576
3.400	.4385	.4462	.4534	.4570	.4649	.4722
3.600	.4523	.4593	.4659	.4691	.4771	.4841
3.800	.4647	.4714	.4775	.4805	.4876	.4947
4.000	.4756	.4823	.4882	.4910	.4975	.5039
4.500	.4979	.5042	.5100	.5128	.5191	.5245
5.000	.5154	.5214	.5268	.5292	.5352	.5407
5.500	.5289	.5348	.5400	.5425	.5481	.5530
6.000	.5396	.5452	.5504	.5528	.5583	.5633
6.500	.5483	.5538	.5587	.5610	.5664	.5713
7.000	.5556	.5609	.5656	.5678	.5730	.5777
7.500	.5617	.5668	.5714	.5735	.5785	.5830
8.000	.5668	.5718	.5763	.5783	.5832	.5876
8.500	.5711	.5761	.5804	.5824	.5871	.5914
9.000	.5747	.5796	.5839	.5859	.5905	.5946
9.500	.5777	.5826	.5869	.5889	.5934	.5974

Thermal diffusion factor for the (13, 6, 8) potential function — Continued

T*	γ					
	0.	0.4	0.8	1.0	1.5	2.0
10.000	.5804	.5851	.5894	.5913	.5959	.5998
11.000	.5846	.5892	.5933	.5952	.5997	.6036
12.000	.5877	.5923	.5963	.5982	.6025	.6063
13.000	.5901	.5946	.5986	.6004	.6046	.6084
14.000	.5919	.5963	.6002	.6020	.6062	.6100
15.000	.5934	.5977	.6016	.6033	.6074	.6111
16.000	.5946	.5988	.6026	.6043	.6084	.6120
17.000	.5955	.5997	.6034	.6051	.6091	.6126
18.000	.5962	.6004	.6040	.6057	.6096	.6131
19.000	.5968	.6009	.6045	.6062	.6101	.6135
20.000	.5973	.6013	.6049	.6066	.6104	.6138
22.000	.5979	.6018	.6054	.6070	.6107	.6141
24.000	.5982	.6021	.6056	.6072	.6109	.6141
26.000	.5984	.6022	.6057	.6072	.6108	.6140
28.000	.5985	.6022	.6056	.6071	.6107	.6139
30.000	.5984	.6021	.6055	.6070	.6105	.6136
32.000	.5983	.6020	.6053	.6068	.6102	.6133
34.000	.5982	.6018	.6050	.6065	.6099	.6130
36.000	.5980	.6016	.6048	.6063	.6096	.6126
38.000	.5978	.6013	.6045	.6060	.6093	.6123
40.000	.5976	.6011	.6042	.6057	.6090	.6119
45.000	.5970	.6005	.6035	.6049	.6081	.6110
50.000	.5964	.5998	.6028	.6042	.6073	.6101
55.000	.5959	.5992	.6022	.6035	.6066	.6093
60.000	.5954	.5986	.6015	.6028	.6059	.6085
65.000	.5949	.5981	.6009	.6022	.6052	.6078
70.000	.5944	.5976	.6004	.6016	.6046	.6071
75.000	.5939	.5971	.5998	.6011	.6040	.6065
80.000	.5935	.5966	.5994	.6006	.6034	.6059
85.000	.5931	.5962	.5989	.6001	.6029	.6053
90.000	.5927	.5958	.5984	.5997	.6024	.6048
95.000	.5924	.5954	.5980	.5992	.6019	.6043
100.000	.5921	.5951	.5976	.5988	.6015	.6039
125.000	.5906	.5935	.5960	.5971	.5996	.6019
150.000	.5895	.5923	.5946	.5957	.5981	.6003
175.000	.5886	.5913	.5935	.5946	.5969	.5990
200.000	.5879	.5904	.5926	.5936	.5959	.5979

Thermal diffusion factor for the (14, 6, 8) potential function

T*	γ						
	0.	0.2	0.4	0.6	0.8	1.0	1.5
.100	.2936	.3035	.3152	.3206	.3296	.3396	.3723
.150	.2703	.2788	.2947	.3064	.3201	.3292	.3661
.200	.2421	.2567	.2655	.2814	.2941	.3093	.3464
.250	.1952	.2098	.2252	.2409	.2579	.2742	.3162
.300	.1465	.1626	.1806	.1956	.2144	.2340	.2788
.350	.1020	.1211	.1386	.1574	.1751	.1914	.2421
.400	.0668	.0860	.1036	.1221	.1395	.1576	.2065
.450	.0397	.0586	.0787	.0973	.1130	.1319	.1777
.500	.0249	.0429	.0576	.0731	.0910	.1101	.1577
.550	.0088	.0269	.0465	.0633	.0802	.0979	.1369
.600	.0073	.0223	.0372	.0517	.0691	.0881	.1287
.650	.0055	.0204	.0377	.0522	.0672	.0817	.1207
.700	.0055	.0216	.0376	.0528	.0660	.0833	.1206
.750	.0090	.0219	.0385	.0541	.0694	.0846	.1198
.800	.0245	.0344	.0448	.0569	.0712	.0865	.1229
.850	.0357	.0501	.0605	.0699	.0800	.0909	.1252
.900	.0417	.0558	.0709	.0848	.0950	.1041	.1296
.950	.0513	.0641	.0775	.0904	.1040	.1178	.1416
1.000	.0665	.0753	.0864	.0984	.1114	.1234	.1537
1.100	.0959	.1057	.1161	.1246	.1322	.1407	.1690
1.200	.1153	.1278	.1403	.1508	.1589	.1689	.1875
1.300	.1408	.1482	.1572	.1680	.1794	.1905	.2104
1.400	.1693	.1771	.1840	.1906	.1976	.2059	.2308
1.500	.1971	.2046	.2104	.2169	.2232	.2294	.2459
1.600	.2191	.2272	.2350	.2418	.2478	.2527	.2674
1.700	.2387	.2464	.2542	.2618	.2689	.2755	.2870
1.800	.2589	.2654	.2722	.2792	.2862	.2932	.3087
1.900	.2779	.2846	.2906	.2965	.3026	.3089	.3246
2.000	.2957	.3014	.3080	.3139	.3193	.3246	.3388
2.200	.3286	.3341	.3394	.3446	.3496	.3545	.3668
2.400	.3570	.3623	.3673	.3721	.3766	.3811	.3916
2.600	.3817	.3865	.3914	.3961	.4005	.4047	.4145
2.800	.4048	.4089	.4128	.4169	.4210	.4251	.4345
3.000	.4239	.4283	.4326	.4363	.4398	.4432	.4520
3.200	.4403	.4448	.4490	.4527	.4565	.4601	.4676
3.400	.4547	.4588	.4630	.4669	.4707	.4739	.4820
3.600	.4681	.4718	.4755	.4791	.4828	.4863	.4937
3.800	.4803	.4838	.4872	.4905	.4938	.4969	.5049
4.000	.4913	.4947	.4980	.5010	.5040	.5069	.5141
4.500	.5133	.5167	.5199	.5230	.5259	.5286	.5347
5.000	.5309	.5340	.5368	.5395	.5422	.5448	.5510
5.500	.5443	.5474	.5502	.5529	.5555	.5579	.5635
6.000	.5550	.5579	.5607	.5634	.5659	.5683	.5737
6.500	.5637	.5665	.5692	.5717	.5741	.5765	.5819
7.000	.5709	.5737	.5762	.5787	.5810	.5832	.5884
7.500	.5770	.5797	.5821	.5845	.5867	.5889	.5938
8.000	.5822	.5847	.5871	.5894	.5916	.5936	.5985
8.500	.5866	.5891	.5914	.5936	.5957	.5977	.6024
9.000	.5902	.5927	.5950	.5972	.5992	.6012	.6057
9.500	.5933	.5958	.5981	.6002	.6023	.6042	.6086

Thermal diffusion factor for the (14, 6, 8) potential function — Continued

T*	γ						
	0.	0.2	0.4	0.6	0.8	1.0	1.5
10.000	.5960	.5984	.6007	.6028	.6048	.6067	.6111
11.000	.6003	.6027	.6048	.6069	.6089	.6107	.6151
12.000	.6036	.6059	.6080	.6100	.6119	.6137	.6179
13.000	.6060	.6083	.6104	.6124	.6143	.6160	.6201
14.000	.6080	.6102	.6123	.6142	.6161	.6178	.6218
15.000	.6096	.6117	.6137	.6156	.6174	.6192	.6231
16.000	.6108	.6129	.6149	.6168	.6186	.6202	.6241
17.000	.6119	.6139	.6159	.6177	.6194	.6211	.6249
18.000	.6127	.6147	.6166	.6184	.6201	.6218	.6255
19.000	.6133	.6153	.6172	.6190	.6207	.6223	.6260
20.000	.6139	.6158	.6177	.6195	.6211	.6227	.6263
22.000	.6147	.6166	.6184	.6201	.6218	.6233	.6268
24.000	.6152	.6170	.6188	.6205	.6221	.6236	.6271
26.000	.6155	.6173	.6191	.6207	.6223	.6238	.6271
28.000	.6156	.6174	.6192	.6208	.6223	.6238	.6271
30.000	.6157	.6175	.6192	.6208	.6223	.6237	.6270
32.000	.6157	.6174	.6191	.6207	.6222	.6236	.6268
34.000	.6157	.6174	.6190	.6206	.6220	.6234	.6266
36.000	.6156	.6173	.6189	.6204	.6219	.6232	.6264
38.000	.6155	.6171	.6187	.6203	.6217	.6230	.6261
40.000	.6153	.6170	.6186	.6201	.6215	.6228	.6259
45.000	.6150	.6166	.6181	.6196	.6209	.6222	.6252
50.000	.6145	.6161	.6176	.6191	.6204	.6217	.6245
55.000	.6141	.6157	.6172	.6186	.6199	.6211	.6239
60.000	.6137	.6153	.6167	.6181	.6193	.6205	.6233
65.000	.6133	.6149	.6163	.6176	.6188	.6200	.6227
70.000	.6130	.6145	.6159	.6172	.6184	.6195	.6222
75.000	.6126	.6141	.6155	.6167	.6179	.6191	.6217
80.000	.6123	.6138	.6151	.6164	.6175	.6186	.6212
85.000	.6120	.6134	.6148	.6160	.6171	.6182	.6207
90.000	.6117	.6131	.6144	.6156	.6168	.6179	.6203
95.000	.6114	.6128	.6141	.6153	.6164	.6175	.6199
100.000	.6111	.6125	.6138	.6150	.6161	.6171	.6195
125.000	.6100	.6113	.6125	.6136	.6147	.6157	.6179
150.000	.6091	.6104	.6115	.6126	.6136	.6145	.6166
175.000	.6084	.6096	.6107	.6117	.6126	.6135	.6156
200.000	.6078	.6089	.6100	.6110	.6119	.6127	.6147

Thermal diffusion factor for the (15, 6, 8) potential function

T*	γ						
	0.	0.2	0.4	0.6	0.8	1.0	1.5
.100	.2970	.3047	.3127	.3221	.3336	.3471	.3837
.150	.2719	.2885	.3028	.3144	.3280	.3402	.3748
.200	.2480	.2624	.2766	.2918	.3075	.3213	.3768
.250	.2046	.2241	.2414	.2588	.2766	.2928	.3529
.300	.1669	.1811	.1986	.2192	.2382	.2573	.3126
.350	.1255	.1427	.1625	.1813	.2013	.2204	.2702
.400	.0902	.1094	.1283	.1487	.1690	.1889	.2452
.450	.0605	.0868	.1040	.1228	.1423	.1626	.2037
.500	.0474	.0642	.0825	.1034	.1226	.1447	.1820
.550	.0335	.0553	.0739	.0910	.1096	.1260	.1570
.600	.0329	.0451	.0629	.0831	.1001	.1201	.1611
.650	.0272	.0474	.0627	.0801	.0969	.1122	.1397
.700	.0313	.0479	.0638	.0790	.0951	.1127	.1506
.750	.0294	.0498	.0665	.0838	.0990	.1139	.1553
.800	.0443	.0547	.0686	.0882	.1034	.1179	.1398
.850	.0559	.0698	.0802	.0954	.1091	.1211	.1594
.900	.0612	.0831	.0963	.1042	.1176	.1272	.1648
.950	.0782	.0891	.1038	.1140	.1267	.1408	.1731
1.000	.0868	.0980	.1112	.1249	.1368	.1543	.1838
1.100	.1107	.1268	.1354	.1455	.1572	.1673	.1844
1.200	.1389	.1521	.1626	.1697	.1793	.1895	.2240
1.300	.1608	.1693	.1815	.1938	.2037	.2142	.2318
1.400	.1850	.1947	.2017	.2149	.2240	.2323	.2466
1.500	.2144	.2208	.2285	.2367	.2446	.2482	.2708
1.600	.2376	.2460	.2531	.2586	.2657	.2716	.2954
1.700	.2572	.2659	.2739	.2792	.2865	.2930	.3053
1.800	.2764	.2836	.2914	.2972	.3042	.3133	.3192
1.900	.2948	.3016	.3082	.3146	.3209	.3292	.3433
2.000	.3105	.3192	.3254	.3314	.3372	.3436	.3577
2.200	.3447	.3504	.3560	.3622	.3676	.3725	.3865
2.400	.3727	.3783	.3834	.3887	.3940	.3980	.4058
2.600	.3972	.4024	.4074	.4118	.4164	.4208	.4319
2.800	.4195	.4236	.4281	.4327	.4368	.4412	.4504
3.000	.4378	.4434	.4473	.4513	.4551	.4587	.4672
3.200	.4555	.4598	.4641	.4676	.4713	.4746	.4832
3.400	.4697	.4740	.4782	.4819	.4855	.4894	.4979
3.600	.4825	.4865	.4904	.4944	.4981	.5014	.5079
3.800	.4945	.4981	.5017	.5054	.5088	.5121	.5156
4.000	.5054	.5088	.5121	.5154	.5186	.5215	.5292
4.500	.5275	.5309	.5342	.5369	.5397	.5426	.5489
5.000	.5447	.5478	.5507	.5537	.5564	.5590	.5647
5.500	.5584	.5613	.5642	.5669	.5694	.5717	.5774
6.000	.5690	.5720	.5747	.5774	.5798	.5822	.5878
6.500	.5777	.5805	.5832	.5857	.5881	.5904	.5942
7.000	.5850	.5877	.5902	.5925	.5948	.5971	.6022
7.500	.5910	.5936	.5961	.5984	.6006	.6027	.6076
8.000	.5962	.5987	.6010	.6033	.6054	.6075	.6122
8.500	.6006	.6030	.6053	.6075	.6096	.6115	.6161
9.000	.6044	.6067	.6090	.6111	.6131	.6150	.6194
9.500	.6076	.6099	.6121	.6142	.6161	.6180	.6224

Thermal diffusion factor for the (15, 6, 8) potential function — Continued

T*	γ						
	0.	0.2	0.4	0.6	0.8	1.0	1.5
10.000	.6103	.6126	.6148	.6168	.6187	.6206	.6248
11.000	.6147	.6169	.6190	.6210	.6229	.6247	.6288
12.000	.6180	.6202	.6223	.6242	.6261	.6278	.6318
13.000	.6206	.6228	.6248	.6267	.6285	.6302	.6342
14.000	.6227	.6248	.6267	.6286	.6304	.6320	.6357
15.000	.6243	.6263	.6283	.6301	.6318	.6335	.6372
16.000	.6256	.6276	.6295	.6313	.6330	.6346	.6383
17.000	.6267	.6287	.6305	.6323	.6339	.6355	.6391
18.000	.6276	.6296	.6314	.6331	.6347	.6362	.6398
19.000	.6284	.6303	.6321	.6337	.6353	.6368	.6403
20.000	.6290	.6308	.6326	.6343	.6358	.6373	.6407
22.000	.6299	.6317	.6334	.6350	.6366	.6380	.6413
24.000	.6305	.6323	.6340	.6355	.6370	.6384	.6417
26.000	.6309	.6327	.6343	.6358	.6373	.6387	.6419
28.000	.6312	.6329	.6345	.6360	.6374	.6388	.6419
30.000	.6314	.6330	.6346	.6361	.6375	.6388	.6419
32.000	.6314	.6331	.6346	.6361	.6375	.6388	.6418
34.000	.6315	.6331	.6346	.6361	.6374	.6387	.6416
36.000	.6315	.6331	.6346	.6360	.6373	.6386	.6415
38.000	.6315	.6330	.6345	.6359	.6372	.6384	.6413
40.000	.6314	.6330	.6344	.6358	.6371	.6383	.6411
45.000	.6312	.6327	.6341	.6354	.6367	.6379	.6406
50.000	.6309	.6324	.6338	.6351	.6363	.6374	.6400
55.000	.6307	.6321	.6334	.6347	.6358	.6370	.6395
60.000	.6304	.6318	.6331	.6343	.6354	.6365	.6390
65.000	.6301	.6315	.6327	.6339	.6350	.6361	.6385
70.000	.6298	.6312	.6324	.6336	.6347	.6357	.6381
75.000	.6296	.6309	.6321	.6332	.6343	.6353	.6376
80.000	.6293	.6306	.6318	.6329	.6340	.6350	.6372
85.000	.6291	.6303	.6315	.6326	.6336	.6346	.6369
90.000	.6289	.6301	.6312	.6323	.6333	.6343	.6365
95.000	.6286	.6299	.6310	.6321	.6330	.6340	.6362
100.000	.6284	.6296	.6308	.6318	.6328	.6337	.6358
125.000	.6275	.6287	.6297	.6307	.6316	.6325	.6345
150.000	.6268	.6279	.6289	.6298	.6306	.6315	.6334
175.000	.6262	.6272	.6282	.6291	.6299	.6307	.6325
200.000	.6257	.6267	.6276	.6284	.6292	.6300	.6317

Thermal diffusion factor for the (16, 6, 8) potential function

T*	γ					
	0.	0.2	0.4	0.6	0.8	1.0
.100	.2963	.3043	.3125	.3251	.3358	.3505
.150	.2805	.3001	.3052	.3160	.3331	.3486
.200	.2554	.2838	.2859	.3004	.3174	.3404
.250	.2187	.2398	.2567	.2705	.2903	.3109
.300	.1773	.1952	.2182	.2369	.2569	.2776
.350	.1408	.1614	.1786	.2019	.2228	.2427
.400	.1090	.1264	.1493	.1718	.1933	.2148
.450	.0877	.1049	.1270	.1467	.1683	.1895
.500	.0660	.0825	.1062	.1309	.1504	.1706
.550	.0581	.0698	.0991	.1142	.1341	.1556
.600	.0486	.0671	.0890	.1092	.1288	.1468
.650	.0517	.0626	.0870	.1021	.1217	.1422
.700	.0527	.0646	.0873	.1044	.1217	.1370
.750	.0552	.0738	.0910	.1072	.1244	.1405
.800	.0604	.0766	.0941	.1113	.1282	.1438
.850	.0757	.0912	.0999	.1152	.1319	.1484
.900	.0897	.0972	.1138	.1245	.1371	.1526
.950	.0958	.1033	.1263	.1398	.1499	.1605
1.000	.1050	.1232	.1331	.1511	.1645	.1742
1.100	.1340	.1443	.1535	.1655	.1787	.1923
1.200	.1596	.1631	.1801	.1912	.1992	.2086
1.300	.1774	.1904	.2039	.2154	.2251	.2345
1.400	.2027	.2169	.2207	.2320	.2441	.2555
1.500	.2289	.2306	.2445	.2508	.2592	.2698
1.600	.2543	.2611	.2665	.2753	.2817	.2873
1.700	.2744	.2819	.2908	.2975	.3032	.3095
1.800	.2923	.3003	.3088	.3167	.3237	.3295
1.900	.3102	.3184	.3250	.3326	.3401	.3471
2.000	.3279	.3346	.3410	.3475	.3545	.3615
2.200	.3592	.3661	.3704	.3774	.3827	.3880
2.400	.3872	.3925	.3980	.4032	.4080	.4134
2.600	.4114	.4163	.4217	.4265	.4310	.4356
2.800	.4326	.4379	.4423	.4470	.4514	.4554
3.000	.4525	.4570	.4607	.4647	.4689	.4730
3.200	.4689	.4706	.4775	.4811	.4846	.4883
3.400	.4833	.4877	.4913	.4958	.4993	.5024
3.600	.4958	.5002	.5042	.5081	.5115	.5152
3.800	.5074	.5116	.5150	.5187	.5224	.5258
4.000	.5182	.5217	.5251	.5284	.5317	.5351
4.500	.5405	.5437	.5470	.5499	.5526	.5552
5.000	.5574	.5608	.5635	.5664	.5692	.5718
5.500	.5711	.5734	.5768	.5794	.5818	.5843
6.000	.5818	.5848	.5874	.5900	.5924	.5946
6.500	.5905	.5933	.5959	.5984	.6008	.6029
7.000	.5978	.6004	.6029	.6053	.6075	.6097
7.500	.6038	.6064	.6088	.6110	.6132	.6153
8.000	.6090	.6115	.6137	.6159	.6180	.6200
8.500	.6134	.6158	.6180	.6201	.6221	.6241
9.000	.6172	.6195	.6217	.6237	.6257	.6275
9.500	.6205	.6227	.6248	.6268	.6287	.6305

Thermal diffusion factor for the (16, 6, 8) potential function—Continued

T*	γ					
	0.	0.2	0.4	0.6	0.8	1.0
10.000	.6233	.6255	.6276	.6295	.6314	.6331
11.000	.6277	.6299	.6319	.6339	.6357	.6374
12.000	.6312	.6332	.6353	.6371	.6389	.6406
13.000	.6339	.6360	.6378	.6397	.6414	.6430
14.000	.6360	.6380	.6399	.6417	.6433	.6449
15.000	.6377	.6397	.6415	.6432	.6449	.6464
16.000	.6392	.6410	.6428	.6445	.6461	.6476
17.000	.6403	.6422	.6439	.6456	.6471	.6486
18.000	.6413	.6431	.6448	.6464	.6480	.6494
19.000	.6421	.6439	.6455	.6471	.6486	.6501
20.000	.6428	.6445	.6462	.6477	.6492	.6506
22.000	.6438	.6455	.6471	.6486	.6500	.6514
24.000	.6445	.6462	.6477	.6492	.6506	.6519
26.000	.6450	.6467	.6482	.6496	.6510	.6523
28.000	.6454	.6470	.6485	.6499	.6512	.6525
30.000	.6457	.6472	.6487	.6500	.6513	.6526
32.000	.6458	.6474	.6488	.6501	.6514	.6526
34.000	.6460	.6474	.6488	.6502	.6514	.6526
36.000	.6460	.6475	.6489	.6502	.6514	.6525
38.000	.6461	.6475	.6488	.6501	.6513	.6525
40.000	.6461	.6475	.6488	.6501	.6512	.6524
45.000	.6460	.6474	.6486	.6498	.6510	.6521
50.000	.6459	.6472	.6484	.6496	.6507	.6517
55.000	.6457	.6470	.6482	.6493	.6504	.6514
60.000	.6455	.6468	.6479	.6490	.6501	.6510
65.000	.6453	.6465	.6477	.6487	.6497	.6507
70.000	.6451	.6463	.6474	.6485	.6494	.6504
75.000	.6449	.6461	.6472	.6482	.6492	.6501
80.000	.6447	.6459	.6469	.6479	.6489	.6498
85.000	.6446	.6457	.6467	.6477	.6486	.6495
90.000	.6444	.6455	.6465	.6475	.6484	.6492
95.000	.6442	.6453	.6463	.6472	.6481	.6490
100.000	.6441	.6451	.6461	.6470	.6479	.6487
125.000	.6434	.6444	.6453	.6461	.6469	.6477
150.000	.6428	.6437	.6446	.6454	.6462	.6469
175.000	.6423	.6432	.6440	.6448	.6455	.6462
200.000	.6419	.6428	.6436	.6443	.6450	.6456

Thermal diffusion factor for the (17, 6, 8) potential function

T*	γ					
	0.	0.2	0.4	0.6	0.8	1.0
.100	.2948	.3026	.3149	.3270	.3398	.3560
.150	.2873	.2933	.3063	.3190	.3383	.3557
.200	.2639	.2764	.2910	.2999	.3321	.3434
.250	.2283	.2466	.2633	.2842	.3033	.3235
.300	.1900	.2116	.2312	.2529	.2735	.2948
.350	.1553	.1744	.1976	.2249	.2416	.2649
.400	.1242	.1457	.1691	.1922	.2143	.2365
.450	.1039	.1246	.1456	.1728	.1905	.2134
.500	.0834	.1066	.1314	.1504	.1731	.1944
.550	.0757	.0980	.1152	.1338	.1579	.1833
.600	.0679	.0909	.1111	.1288	.1516	.1693
.650	.0681	.0873	.1051	.1234	.1454	.1670
.700	.0699	.0906	.1076	.1276	.1429	.1625
.750	.0753	.0940	.1107	.1261	.1456	.1636
.800	.0776	.0977	.1160	.1339	.1484	.1679
.850	.0907	.1036	.1203	.1379	.1555	.1723
.900	.1057	.1178	.1295	.1437	.1597	.1765
.950	.1130	.1324	.1448	.1575	.1678	.1812
1.000	.1248	.1391	.1569	.1670	.1811	.1914
1.100	.1480	.1586	.1722	.1888	.1989	.2166
1.200	.1747	.1874	.1973	.2077	.2179	.2293
1.300	.1962	.2104	.2223	.2256	.2415	.2498
1.400	.2174	.2270	.2396	.2515	.2636	.2733
1.500	.2423	.2510	.2581	.2693	.2789	.2907
1.600	.2682	.2745	.2825	.2909	.2964	.3041
1.700	.2895	.2979	.3049	.3063	.3173	.3235
1.800	.3074	.3162	.3245	.3314	.3370	.3437
1.900	.3245	.3324	.3406	.3479	.3558	.3622
2.000	.3416	.3484	.3555	.3629	.3703	.3775
2.200	.3727	.3786	.3854	.3913	.3969	.4028
2.400	.4001	.4058	.4114	.4153	.4218	.4274
2.600	.4243	.4297	.4347	.4396	.4444	.4490
2.800	.4453	.4504	.4553	.4597	.4642	.4684
3.000	.4645	.4687	.4731	.4775	.4818	.4858
3.200	.4810	.4858	.4895	.4936	.4971	.5010
3.400	.4958	.4998	.5043	.5077	.5112	.5144
3.600	.5081	.5125	.5166	.5188	.5238	.5271
3.800	.5195	.5234	.5273	.5312	.5345	.5381
4.000	.5300	.5335	.5370	.5407	.5441	.5475
4.500	.5523	.5556	.5586	.5614	.5642	.5669
5.000	.5691	.5722	.5753	.5781	.5808	.5833
5.500	.5827	.5857	.5883	.5910	.5935	.5960
6.000	.5936	.5964	.5990	.6014	.6038	.6060
6.500	.6023	.6050	.6076	.6100	.6121	.6145
7.000	.6095	.6121	.6145	.6168	.6191	.6212
7.500	.6156	.6181	.6204	.6226	.6247	.6268
8.000	.6208	.6231	.6254	.6275	.6295	.6315
8.500	.6252	.6275	.6296	.6317	.6336	.6355
9.000	.6290	.6312	.6333	.6353	.6372	.6390
9.500	.6323	.6345	.6365	.6384	.6403	.6420

Thermal diffusion factor for the (17, 6, 8) potential function – Continued

T*	γ					
	0.	0.2	0.4	0.6	0.8	1.0
10.000	.6352	.6373	.6393	.6412	.6429	.6446
11.000	.6397	.6418	.6438	.6456	.6473	.6489
12.000	.6433	.6453	.6471	.6489	.6506	.6522
13.000	.6461	.6480	.6498	.6515	.6532	.6547
14.000	.6483	.6502	.6520	.6536	.6552	.6567
15.000	.6501	.6519	.6536	.6553	.6568	.6583
16.000	.6515	.6533	.6550	.6566	.6581	.6596
17.000	.6528	.6545	.6562	.6577	.6592	.6606
18.000	.6538	.6555	.6571	.6586	.6601	.6614
19.000	.6546	.6563	.6579	.6594	.6608	.6621
20.000	.6554	.6570	.6586	.6600	.6614	.6627
22.000	.6565	.6581	.6596	.6610	.6623	.6636
24.000	.6573	.6589	.6603	.6617	.6630	.6642
26.000	.6580	.6595	.6609	.6622	.6635	.6647
28.000	.6584	.6599	.6612	.6625	.6638	.6649
30.000	.6587	.6602	.6615	.6628	.6640	.6651
32.000	.6590	.6604	.6617	.6629	.6641	.6652
34.000	.6592	.6605	.6618	.6630	.6642	.6653
36.000	.6593	.6606	.6619	.6631	.6642	.6653
38.000	.6594	.6607	.6619	.6631	.6642	.6652
40.000	.6594	.6607	.6619	.6631	.6642	.6652
45.000	.6595	.6607	.6619	.6630	.6640	.6650
50.000	.6595	.6607	.6618	.6628	.6638	.6648
55.000	.6594	.6605	.6616	.6627	.6636	.6645
60.000	.6593	.6604	.6615	.6624	.6634	.6643
65.000	.6592	.6603	.6613	.6622	.6631	.6640
70.000	.6590	.6601	.6611	.6620	.6629	.6638
75.000	.6589	.6599	.6609	.6618	.6627	.6635
80.000	.6588	.6598	.6607	.6616	.6625	.6633
85.000	.6587	.6596	.6606	.6614	.6623	.6630
90.000	.6585	.6595	.6604	.6613	.6621	.6628
95.000	.6584	.6594	.6602	.6611	.6619	.6626
100.000	.6583	.6592	.6601	.6609	.6617	.6624
125.000	.6578	.6586	.6594	.6602	.6609	.6616
150.000	.6573	.6581	.6589	.6596	.6602	.6609
175.000	.6570	.6577	.6584	.6591	.6597	.6603
200.000	.6567	.6574	.6580	.6587	.6593	.6598

Thermal diffusion factor for the (18, 6, 8) potential function

T*	γ						
	0.	0.2	0.4	0.6			
.100	.2931	.3042	.3141	.3275			
.150	.2827	.2947	.3115	.3261			
.200	.2652	.2803	.2971	.3194			
.250	.2363	.2527	.2728	.2939			
.300	.2018	.2218	.2430	.2647			
.350	.1660	.1898	.2123	.2329			
.400	.1388	.1632	.1861	.2089			
.450	.1183	.1401	.1636	.1869			
.500	.1014	.1266	.1487	.1703			
.550	.0942	.1122	.1336	.1575			
.600	.0876	.1089	.1294	.1501			
.650	.0854	.1035	.1255	.1467			
.700	.0896	.1072	.1274	.1438			
.750	.0931	.1113	.1303	.1478			
.800	.0973	.1165	.1353	.1518			
.850	.1044	.1213	.1399	.1583			
.900	.1196	.1316	.1460	.1632			
.950	.1341	.1476	.1591	.1711			
1.000	.1413	.1593	.1732	.1849			
1.100	.1612	.1752	.1908	.2049			
1.200	.1910	.2017	.2110	.2224			
1.300	.2136	.2267	.2359	.2475			
1.400	.2307	.2439	.2573	.2696			
1.500	.2557	.2633	.2733	.2850			
1.600	.2798	.2881	.2955	.3020			
1.700	.3031	.3107	.3161	.3240			
1.800	.3214	.3302	.3379	.3438			
1.900	.3378	.3464	.3546	.3625			
2.000	.3541	.3615	.3694	.3772			
2.200	.3846	.3917	.3978	.4038			
2.400	.4120	.4179	.4231	.4293			
2.600	.4362	.4414	.4466	.4516			
2.800	.4570	.4622	.4670	.4716			
3.000	.4755	.4801	.4848	.4893			
3.200	.4927	.4967	.5007	.5046			
3.400	.5069	.5115	.5153	.5187			
3.600	.5195	.5239	.5274	.5316			
3.800	.5306	.5347	.5387	.5423			
4.000	.5409	.5445	.5482	.5519			
4.500	.5631	.5663	.5692	.5721			
5.000	.5799	.5831	.5861	.5888			
5.500	.5935	.5962	.5989	.6016			
6.000	.6044	.6071	.6096	.6120			
6.500	.6131	.6158	.6183	.6205			
7.000	.6203	.6228	.6252	.6275			
7.500	.6264	.6288	.6311	.6332			
8.000	.6316	.6339	.6361	.6381			
8.500	.6360	.6382	.6403	.6423			
9.000	.6399	.6420	.6440	.6459			
9.500	.6432	.6453	.6472	.6491			

Thermal diffusion factor for the (18, 6, 8) potential function — Continued

T*	γ						
	0.	0.2	0.4	0.6			
10.000	.6461	.6481	.6500	.6518			
11.000	.6508	.6528	.6546	.6564			
12.000	.6544	.6563	.6581	.6598			
13.000	.6572	.6591	.6608	.6624			
14.000	.6595	.6613	.6630	.6646			
15.000	.6614	.6631	.6648	.6663			
16.000	.6629	.6646	.6662	.6677			
17.000	.6642	.6658	.6674	.6688			
18.000	.6653	.6669	.6684	.6698			
19.000	.6662	6677	.6692	.6706			
20.000	.6670	.6685	.6699	.6713			
22.000	.6682	.6697	.6711	.6724			
24.000	.6691	.6705	.6719	.6732			
26.000	.6698	.6712	.6725	.6737			
28.000	.6703	.6717	.6729	.6741			
30.000	.6707	.6720	.6733	.6745			
32.000	.6710	.6723	.6735	.6747			
34.000	.6713	.6725	.6737	.6748			
36.000	.6714	.6727	.6738	.6749			
38.000	.6716	.6728	.6739	.6750			
40.000	.6717	.6729	.6740	.6750			
45.000	.6719	.6730	.6740	.6751			
50.000	.6719	.6730	.6740	.6750			
55.000	.6719	.6730	.6739	.6749			
60.000	.6719	.6729	.6738	.6747			
65.000	.6718	.6728	.6737	.6746			
70.000	.6718	.6727	.6736	.6745			
75.000	.6717	.6726	.6735	.6743			
80.000	.6716	.6725	.6734	.6742			
85.000	.6715	.6724	.6732	.6740			
90.000	.6714	.6723	.6731	.6739			
95.000	.6714	.6722	.6730	.6737			
100.000	.6713	.6721	.6729	.6736			
125.000	.6709	.6716	.6724	.6730			
150.000	.6706	.6713	.6719	.6725			
175.000	.6703	.6709	.6716	.6721			
200.000	.6701	.6707	.6713	.6718			

TABLE 4. *Second virial coefficients of the* (m, 6, 8) *potential for various values of* m *and* γ

Second virial coefficient for the (9, 6, 8) *potential function*

T*	γ					
	0.	1.	2.	3.	4.	5.
.275	−44.80076	−43.36624	−42.00102	−40.69814	−39.45177	−38.25697
.300	−35.02381	−33.87575	−32.78115	−31.73461	−30.73162	−29.76838
.325	−28.40491	−27.45356	−26.54507	−25.67510	−24.84001	−24.03674
.350	−23.69279	−22.88338	−22.10936	−21.36714	−20.65371	−19.96653
.375	−20.20083	−19.49792	−18.82495	−18.17885	−17.55708	−16.95747
.400	−17.52751	−16.90708	−16.31246	−15.74100	−15.19048	−14.65904
.425	−15.42530	−14.87044	−14.33818	−13.82618	−13.33250	−12.85549
.450	−13.73483	−13.23323	−12.75167	−12.28808	−11.84071	−11.40810
.475	−12.34955	−11.89200	−11.45242	−11.02894	−10.61998	−10.22424
.500	−11.19594	−10.77539	−10.37110	−9.98137	−9.60477	−9.24012
.525	−10.22183	−9.83277	−9.45855	−9.09760	−8.74862	−8.41051
.550	−9.38934	−9.02740	−8.67908	−8.34295	−8.01780	−7.70261
.575	−8.67033	−8.33197	−8.00621	−7.69169	−7.38730	−7.09212
.600	−8.04355	−7.72588	−7.41991	−7.12438	−6.83826	−6.56067
.650	−7.00485	−6.72178	−6.44893	−6.18521	−5.92969	−5.68161
.700	−6.18030	−5.92499	−5.67875	−5.44060	−5.20972	−4.98543
.750	−5.51066	−5.27810	−5.05370	−4.83655	−4.62594	−4.42122
.800	−4.95651	−4.74294	−4.53677	−4.33719	−4.14352	−3.95520
.850	−4.49063	−4.29315	−4.10245	−3.91777	−3.73849	−3.56410
.900	−4.09371	−3.91003	−3.73260	−3.56072	−3.39381	−3.23140
.950	−3.75163	−3.57992	−3.41400	−3.25323	−3.09708	−2.94509
1.000	−3.45386	−3.29262	−3.13680	−2.98577	−2.83904	−2.69619
1.100	−2.96104	−2.81728	−2.67829	−2.54353	−2.41255	−2.28499
1.200	−2.57016	−2.44039	−2.31490	−2.19318	−2.07485	−1.95955
1.300	−2.25282	−2.13450	−2.02005	−1.90903	−1.80106	−1.69585
1.400	−1.99023	−1.88145	−1.77622	−1.67411	−1.57480	−1.47801
1.500	−1.76948	−1.66877	−1.57134	−1.47679	−1.38482	−1.29517
1.600	−1.58141	−1.48762	−1.39688	−1.30882	−1.22315	−1.13962
1.700	−1.41935	−1.33156	−1.24662	−1.16418	−1.08397	−1.00577
1.800	−1.27833	−1.19578	−1.11591	−1.03840	−.96297	−.88943
1.900	−1.15455	−1.07663	−1.00124	−.92807	−.85687	−.78745
2.000	−1.04508	−.97128	−.89986	−.83055	−.76312	−.69736
2.200	−.86034	−.79351	−.72886	−.66612	−.60508	−.54555
2.400	−.71061	−.64950	−.59037	−.53301	−.47720	−.42278
2.600	−.58699	−.53062	−.47611	−.42322	−.37177	−.32161
2.800	−.48334	−.43098	−.38036	−.33125	−.28349	−.23693
3.000	−.39528	−.34635	−.29906	−.25320	−.20860	−.16513
3.200	−.31963	−.27368	−.22928	−.18622	−.14436	−.10357
3.400	−.25403	−.21067	−.16879	−.12819	−.08872	−.05026
3.600	−.19665	−.15558	−.11591	−.07748	−.04012	−.00373
3.800	−.14609	−.10705	−.06936	−.03284	.00264	.03720
4.000	−.10125	−.06402	−.02809	.00671	.04051	.07343
4.500	−.00881	.02464	.05689	.08810	.11840	.14790
5.000	.06274	.09321	.12256	.15095	.17849	.20527
5.500	.11949	.14755	.17456	.20066	.22596	.25056
6.000	.16538	.19146	.21653	.24074	.26420	.28699
6.500	.20308	.22750	.25096	.27359	.29549	.31677
7.000	.23447	.25748	.27957	.30085	.32144	.34142
7.500	.26090	.28270	.30361	.32374	.34320	.36207
8.000	.28337	.30413	.32400	.34313	.36160	.37951

T*	γ					
	0.	1.	2.	3.	4.	5.
8.500	.30264	.32247	.34145	.35969	.37730	.39436
9.000	.31927	.33829	.35647	.37394	.39079	.40710
9.500	.33372	.35202	.36950	.38627	.40244	.41808
10.000	.34634	.36400	.38084	.39700	.41256	.42761
11.000	.36719	.38374	.39950	.41460	.42912	.44314
12.000	.38351	.39914	.41401	.42823	.44190	.45507
13.000	.39644	.41131	.42543	.43892	.45186	.46432
14.000	.40678	.42101	.43449	.44735	.45968	.47154
15.000	.41512	.42879	.44173	.45405	.46584	.47718
16.000	.42187	.43506	.44752	.45938	.47071	.48159
17.000	.42735	.44012	.45217	.46361	.47454	.48503
18.000	.43181	.44420	.45588	.46697	.47754	.48767
19.000	.43543	.44749	.45885	.46961	.47986	.48968
20.000	.43837	.45013	.46119	.47166	.48163	.49117
22.000	.44262	.45387	.46442	.47440	.48388	.49294
24.000	.44525	.45607	.46621	.47577	.48485	.49350
26.000	.44663	.45718	.46696	.47618	.48491	.49323
28.000	.44722	.45749	.46697	.47589	.48433	.49236
30.000	.44717	.45711	.46643	.47509	.48328	.49106
32.000	.44665	.45637	.46541	.47393	.48189	.48945
34.000	.44577	.45530	.46414	.47249	.48026	.48762
36.000	.44462	.45398	.46265	.47075	.47845	.48564
38.000	.44326	.45247	.46099	.46894	.47641	.48355
40.000	.44175	.45082	.45921	.46702	.47436	.48138
45.000	.43754	.44632	.45441	.46194	.46900	.47565
50.000	.43297	.44153	.44939	.45669	.46352	.46995
55.000	.42829	.43666	.44434	.45145	.45809	.46433
60.000	.42360	.43182	.43934	.44630	.45279	.45887
65.000	.41899	.42708	.43447	.44129	.44765	.45360
70.000	.41449	.42246	.42974	.43645	.44269	.44854
75.000	.41012	.41800	.42518	.43179	.43793	.44368
80.000	.40590	.41369	.42079	.42731	.43336	.43902
85.000	.40183	.40954	.41656	.42300	.42898	.43456
90.000	.39790	.40554	.41249	.41887	.42477	.43029
95.000	.39411	.40170	.40858	.41489	.42074	.42619
100.000	.39046	.39799	.40482	.41107	.41686	.42225
125.000	.37408	.38138	.38798	.39401	.39957	.40474
150.000	.36026	.36741	.37384	.37971	.38511	.39012
175.000	.34842	.35544	.36175	.36749	.37277	.37765
200.000	.33811	.34503	.35124	.35688	.36206	.36684

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T*	γ						
	0.	1.	2.	3.	4.		
.250	−55.31143	−52.28669	−49.51218	−46.94947	−44.56922		
.275	−41.10474	−38.79293	−36.66410	−34.69015	−32.84970		
.300	−32.09220	−30.24022	−28.52906	−26.93704	−25.44775		
.325	−25.99439	−24.45846	−23.03516	−21.70710	−20.46115		
.350	−21.65568	−20.34795	−19.13306	−17.99660	−16.92774		
.375	−18.44211	−17.30576	−16.24775	−15.25588	−14.32098		
.400	−15.98311	−14.97958	−14.04344	−13.16415	−12.33378		
.425	−14.05034	−13.15245	−12.31345	−11.52408	−10.77739		
.450	−12.49678	−11.68475	−10.92485	−10.20885	−9.53055		
.475	−11.22419	−10.48322	−9.78890	−9.13382	−8.51245		
.500	−10.16483	−9.48356	−8.84444	−8.24075	−7.66744		
.525	−9.27061	−8.64019	−8.04815	−7.48834	−6.95616		
.550	−8.50665	−7.92002	−7.36859	−6.84670	−6.35009		
.575	−7.84702	−7.29850	−6.78246	−6.29363	−5.82809		
.600	−7.27217	−6.75709	−6.27214	−5.81241	−5.37425		
.650	−6.31991	−5.86076	−5.42790	−5.01700	−4.62485		
.700	−5.56434	−5.15010	−4.75913	−4.38759	−4.03261		
.750	−4.95098	−4.57357	−4.21704	−3.87789	−3.5535		
.750	−4.95098	−4.57357	−4.21704	−3.87789	−3.55356		
.800	−4.44359	−4.09694	−3.76919	−3.45719	−3.15856		
.850	−4.01719	−3.69660	−3.39329	−3.10434	−2.82759		
.900	−3.65401	−3.35579	−3.07347	−2.80436	−2.54645		
.950	−3.34110	−3.06228	−2.79819	−2.54633	−2.30483		
1.000	−3.06880	−2.80697	−2.55887	−2.32214	−2.09504		
1.100	−2.61830	−2.38481	−2.16341	−1.95200	−1.74902		
1.200	−2.26115	−2.05037	−1.85038	−1.65930	−1.47574		
1.300	−1.97131	−1.77911	−1.59668	−1.42229	−1.25468		
1.400	−1.73156	−1.55485	−1.38707	−1.22664	−1.07238		
1.500	−1.53008	−1.36649	−1.21112	−1.06251	−.91959		
1.600	−1.35848	−1.20613	−1.06142	−.92297	−.78978		
1.700	−1.21066	−1.06806	−.93259	−.80296	−.67823		
1.800	−1.08207	−.94799	−.82060	−.69870	−.58139		
1.900	−.96923	−.84267	−.72243	−.60735	−.49660		
2.000	−.86946	−.74959	−.63570	−.52669	−.42177		
2.200	−.70115	−.59263	−.48954	−.39087	−.29589		
2.400	−.56482	−.46558	−.37133	−.28112	−.19429		
2.600	−.45231	−.36080	−.27391	−.19076	−.11073		
2.800	−.35801	−.27304	−.19237	−.11520	−.04093		
3.000	−.27794	−.19856	−.12323	−.05118	.01816		
3.200	−.20919	−.13465	−.06394	.00367	.06873		
3.400	−.14960	−.07928	−.01261	.05112	.11242		
3.600	−.09750	−.03091	.03220	.09251	.15051		
3.800	−.05162	.01166	.07161	.12888	.18394		
4.000	−.01095	.04938	.10650	.16105	.21348		
4.500	.07282	.12698	.17820	.22707	.27400		
5.000	.13758	.18688	.23344	.27782	.32041		
5.500	.18886	.23424	.27703	.31778	.35684		
6.000	.23027	.27241	.31210	.34984	.38600		
6.500	.26424	.30367	.34075	.37597	.40969		
7.000	.29248	.32960	.36447	.39755	.42919		

T*	γ						
	0.	1.	2.	3.	4.		
7.500	.31621	.35136	.38432	.41556	.44541		
8.000	.33635	.36978	.40109	.43072	.45902		
8.500	.35358	.38551	.41536	.44359	.47052		
9.000	.36843	.39902	.42760	.45459	.48030		
9.500	.38130	.41071	.43814	.46403	.48867		
10.000	.39252	.42087	.44728	.47217	.49585		
11.000	.41097	.43752	.46218	.48537	.50739		
12.000	.42534	.45039	.47360	.49539	.51604		
13.000	.43664	.46044	.48244	.50305	.52255		
14.000	.44562	.46836	.48932	.50893	.52745		
15.000	.45280	.47462	.49470	.51344	.53111		
16.000	.45855	.47958	.49888	.51687	.53381		
17.000	.46317	.48350	.50213	.51945	.53575		
18.000	.46687	.48658	.50461	.52136	.53708		
19.000	.46982	.48899	.50649	.52271	.53793		
20.000	.47216	.49084	.50786	.52362	.53838		
22.000	.47540	.49324	.50945	.52440	.53838		
24.000	.47720	.49435	.50988	.52417	.53750		
26.000	.47798	.49455	.50951	.52325	.53603		
28.000	.47801	.49409	.50856	.52183	.53414		
30.000	.47750	.49315	.50721	.52006	.53197		
32.000	.47659	.49187	.50556	.51805	.52962		
34.000	.47538	.49033	.50370	.51588	.52713		
36.000	.47395	.48860	.50169	.51359	.52456		
38.000	.47236	.48674	.49957	.51122	.52195		
40.000	.47054	.48479	.49738	.50881	.51932		
45.000	.46586	.47967	.49177	.50271	.51276		
50.000	.46094	.47429	.48612	.49668	.50634		
55.000	.45598	.46902	.48047	.49081	.50017		
60.000	.45108	.46385	.47505	.48517	.49426		
65.000	.44629	.45884	.46982	.47963	.48862		
70.000	.44164	.45400	.46479	.47441	.48315		
75.000	.43715	.44935	.45997	.46943	.47800		
80.000	.43282	.44488	.45535	.46467	.47310		
85.000	.42865	.44058	.45093	.46012	.46842		
90.000	.42465	.43646	.44669	.45576	.46395		
95.000	.42079	.43250	.44262	.45159	.45968		
100.000	.41708	.42869	.43872	.44760	.45559		
125.000	.40046	.41169	.42135	.42986	.43749		
150.000	.38648	.39745	.40683	.41508	.42246		
175.000	.37451	.38527	.39445	.40250	.40968		
200.000	.36410	.37469	.38370	.39159	.39862		

Second virial coefficient for the (11, 6, 8) potential function

T*	γ					
	0.	1.	1.5	2.0	2.5	3.0
.250	−51.40430	−47.64626	−45.92104	−44.28443	−42.72812	−41.24501
.275	−38.16584	−35.28991	−33.96423	−32.70325	−31.50094	−30.35216
.300	−29.77040	−27.46399	−26.39706	−25.37983	−24.40768	−23.47667
.325	−24.09193	−22.17735	−21.28894	−20.44022	−19.62747	−18.84756
.350	−20.05280	−18.42140	−17.66237	−16.93599	−16.23918	−15.56937
.375	−17.06197	−15.64339	−14.98186	−14.34781	−13.73866	−13.15223
.400	−14.77401	−13.52050	−12.93477	−12.37262	−11.83184	−11.31054
.425	−12.97609	−11.85398	−11.32871	−10.82401	−10.33792	−9.86881
.450	−11.53127	−10.51600	−10.04000	−9.58218	−9.14078	−8.71437
.475	−10.34800	−9.42120	−8.98609	−8.56719	−8.16297	−7.77211
.500	−9.36317	−8.51076	−8.11008	−7.72402	−7.35118	−6.99038
.525	−8.53203	−7.74300	−7.37170	−7.01369	−6.66768	−6.33261
.550	−7.82207	−7.08765	−6.74171	−6.40793	−6.08514	−5.77233
.575	−7.20918	−6.52229	−6.19845	−5.88581	−5.58328	−5.28995
.600	−6.67513	−6.02998	−5.72557	−5.43154	−5.14686	−4.87068
.650	−5.79064	−5.21533	−4.94349	−4.68067	−4.42598	−4.17866
.700	−5.08901	−4.56981	−4.32420	−4.08654	−3.85605	−3.6320
.700	−5.08901	−4.56981	−4.32420	−4.08654	−3.85605	−3.63207
.750	−4.51958	−4.04642	−3.82236	−3.60543	−3.39489	−3.19016
.800	−4.04862	−3.61393	−3.40791	−3.20832	−3.01452	−2.82595
.850	−3.65290	−3.25082	−3.06012	−2.87528	−2.69571	−2.52090
.900	−3.31592	−2.94183	−2.76429	−2.59214	−2.42482	−2.26188
.950	−3.02563	−2.67583	−2.50973	−2.34861	−2.19196	−2.03934
1.000	−2.77304	−2.44452	−2.28846	−2.13702	−1.98973	−1.84619
1.100	−2.35524	−2.06224	−1.92293	−1.78769	−1.65608	−1.52774
1.200	−2.02410	−1.75955	−1.63370	−1.51146	−1.39246	−1.27637
1.300	−1.75542	−1.51418	−1.39936	−1.28781	−1.17916	−1.07314
1.400	−1.53323	−1.31142	−1.20581	−1.10318	−1.00320	−.90561
1.500	−1.34653	−1.14118	−1.04339	−.94832	−.85569	−.76526
1.600	−1.18756	−.99632	−.90523	−.81666	−.73035	−.64607
1.700	−1.05064	−.87164	−.78635	−.70343	−.62261	−.54368
1.800	−.93154	−.76325	−.68306	−.60508	−.52907	−.45482
1.900	−.82705	−.66821	−.59251	−.51890	−.44715	−.37705
2.000	−.73469	−.58424	−.51254	−.44282	−.37485	−.30844
2.200	−.57890	−.44272	−.37783	−.31472	−.25319	−.19307
2.400	−.45275	−.32824	−.26892	−.21122	−.15497	−.10001
2.600	−.34868	−.23388	−.17920	−.12603	−.07418	−.02353
2.800	−.26148	−.15490	−.10414	−.05479	−.00668	.04033
3.000	−.18746	−.08792	−.04053	.00555	.05046	.09434
3.200	−.12393	−.03048	.01400	.05724	.09938	.14054
3.400	−.06887	.01926	.06119	.10194	.14165	.18044
3.600	−.02076	.06268	.10236	.14092	.17850	.21519
3.800	.02160	.10088	.13856	.17518	.21085	.24568
4.000	.05913	.13469	.17059	.20547	.23943	.27260
4.500	.13640	.20418	.23636	.26760	.29800	.32768
5.000	.19607	.25773	.28696	.31532	.34292	.36984
5.500	.24327	.29999	.32684	.35287	.37819	.40287
6.000	.28135	.33398	.35887	.38298	.40641	.42925
6.500	.31255	.36176	.38500	.40750	.42935	.45064
7.000	.33845	.38475	.40659	.42772	.44823	.46820

Second virial coefficient for the (11, 6, 8) potential function—Continued

T*	γ					
	0.	1.	1.5	2.0	2.5	3.0
7.500	.36020	.40400	.42463	.44458	.46393	.48277
8.000	.37862	.42025	.43984	.45876	.47711	.49495
8.500	.39436	.43409	.45276	.47078	.48825	.50522
9.000	.40791	.44595	.46381	.48103	.49772	.51392
9.500	.41962	.45618	.47331	.48983	.50581	.52134
10.000	.42982	.46503	.48152	.49740	.51277	.52768
11.000	.44655	.47947	.49484	.50964	.52393	.53779
12.000	.45950	.49053	.50499	.51889	.53229	.54528
13.000	.46965	.49910	.51278	.52592	.53859	.55084
14.000	.47767	.50576	.51879	.53129	.54332	.55495
15.000	.48402	.51096	.52343	.53537	.54685	.55795
16.000	.48908	.51500	.52698	.53844	.54945	.56008
17.000	.49309	.51813	.52968	.54072	.55131	.56153
18.000	.49627	.52053	.53170	.54236	.55259	.56244
19.000	.49877	.52233	.53316	.54349	.55339	.56291
20.000	.50071	.52365	.53418	.54421	.55381	.56304
22.000	.50327	.52515	.53516	.54467	.55377	.56251
24.000	.50454	.52554	.53512	.54421	.55289	.56121
26.000	.50488	.52515	.53436	.54309	.55142	.55939
28.000	.50456	.52420	.53310	.54153	.54956	.55723
30.000	.50375	.52285	.53149	.53965	.54742	.55484
32.000	.50259	.52121	.52962	.53756	.54510	.55229
34.000	.50116	.51937	.52757	.53531	.54265	.54965
36.000	.49954	.51738	.52541	.53297	.54013	.54696
38.000	.49778	.51529	.52316	.53056	.53756	.54423
40.000	.49592	.51313	.52085	.52811	.53498	.54151
45.000	.49099	.50759	.51500	.52196	.52853	.53476
50.000	.48592	.50201	.50917	.51589	.52222	.52822
55.000	.48086	.49652	.50349	.51000	.51614	.52194
60.000	.47590	.49120	.49800	.50434	.51031	.51596
65.000	.47092	.48608	.49272	.49893	.50475	.51026
70.000	.46622	.48116	.48767	.49375	.49946	.50484
75.000	.46169	.47633	.48285	.48881	.49441	.49969
80.000	.45733	.47178	.47825	.48411	.48960	.49479
85.000	.45314	.46743	.47370	.47961	.48502	.49012
90.000	.44911	.46325	.46944	.47519	.48065	.48567
95.000	.44524	.45925	.46537	.47105	.47648	.48142
100.000	.44152	.45540	.46147	.46709	.47233	.47737
125.000	.42488	.43827	.44410	.44949	.45450	.45920
150.000	.41090	.42395	.42960	.43482	.43967	.44421
175.000	.39893	.41171	.41724	.42233	.42705	.43147
200.000	.38852	.40108	.40650	.41149	.41612	.42043

T*	γ					
	0.	0.5	1.0	1.5	2.0	2.5
.250	−48.20261	−46.00728	−43.95888	−42.03928	−40.23391	−38.53076
.275	−35.76620	−34.08669	−32.51429	−31.03584	−29.64073	−28.32029
.300	−27.88058	−26.53407	−25.26975	−24.07749	−22.94920	−21.87825
.325	−22.54772	−21.43026	−20.37835	−19.38390	−18.44046	−17.54274
.350	−18.75490	−17.80296	−16.90489	−16.05403	−15.24506	−14.47364
.375	−15.94678	−15.11922	−14.33700	−13.59450	−12.88722	−12.21151
.400	−13.79884	−13.06772	−12.37552	−11.71737	−11.08942	−10.48851
.425	−12.11112	−11.45676	−10.83633	−10.24556	−9.68108	−9.14014
.450	−10.75497	−10.16303	−9.60104	−9.06524	−8.55263	−8.06078
.475	−9.64443	−9.10415	−8.59063	−8.10048	−7.63102	−7.18005
.500	−8.72021	−8.22336	−7.75065	−7.29899	−6.86595	−6.44956
.525	−7.94026	−7.48042	−7.04251	−6.62373	−6.22185	−5.83507
.550	−7.27409	−6.84612	−6.43824	−6.04785	−5.67292	−5.31178
.575	−6.69902	−6.29880	−5.91708	−5.55146	−5.20006	−4.86134
.600	−6.19797	−5.82211	−5.46338	−5.11955	−4.78887	−4.46992
.650	−5.36819	−5.03308	−4.71287	−4.40561	−4.10975	−3.82406
.700	−4.71004	−4.40765	−4.11844	−3.84064	−3.57290	−3.31410
.750	−4.17593	−3.90040	−3.63665	−3.38311	−3.13854	−2.90195
.800	−3.73423	−3.48112	−3.23868	−3.00545	−2.78031	−2.56236
.850	−3.36312	−3.12903	−2.90466	−2.68869	−2.48008	−2.27801
.900	−3.04711	−2.82934	−2.62050	−2.41938	−2.22501	−2.03663
.950	−2.77491	−2.57130	−2.37595	−2.18773	−2.00575	−1.82929
1.000	−2.53808	−2.34687	−2.16335	−1.98645	−1.81535	−1.64937
1.100	−2.14637	−1.97586	−1.81210	−1.65414	−1.50125	−1.35283
1.200	−1.83595	−1.68201	−1.53410	−1.39135	−1.25310	−1.11883
1.300	−1.58411	−1.44375	−1.30882	−1.17856	−1.05235	−.92972
1.400	−1.37585	−1.24681	−1.12273	−1.00290	−.88676	−.77386
1.500	−1.20088	−1.08143	−.96654	−.85555	−.74795	−.64334
1.600	−1.05191	−.94068	−.83367	−.73028	−.63002	−.53252
1.700	−.92362	−.81950	−.71934	−.62254	−.52866	−.43735
1.800	−.81203	−.71416	−.61998	−.52896	−.44067	−.35478
1.900	−.71415	−.62177	−.53288	−.44696	−.36361	−.28252
2.000	−.62763	−.54014	−.45595	−.37457	−.29562	−.21879
2.200	−.48171	−.40253	−.32634	−.25268	−.18122	−.11167
2.400	−.36358	−.29119	−.22154	−.15421	−.08888	−.02530
2.600	−.26613	−.19940	−.13520	−.07315	−.01295	.04565
2.800	−.18451	−.12256	−.06297	−.00538	.05049	.10486
3.000	−.11523	−.05738	−.00174	.05202	.10417	.15492
3.200	−.05579	−.00148	.05074	.10118	.15011	.19772
3.400	−.00428	.04693	.09615	.14370	.18981	.23466
3.600	.04072	.08920	.13579	.18077	.22439	.26682
3.800	.08033	.12639	.17063	.21334	.25475	.29502
4.000	.11542	.15931	.20146	.24214	.28157	.31991
4.500	.18762	.22699	.26477	.30120	.33649	.37079
5.000	.24334	.27915	.31347	.34655	.37857	.40968
5.500	.28740	.32033	.35185	.38222	.41159	.44011
6.000	.32290	.35346	.38268	.41080	.43798	.46436
6.500	.35197	.38053	.40783	.43406	.45941	.48399
7.000	.37609	.40296	.42860	.45324	.47702	.50008
7.500	.39631	.42172	.44596	.46922	.49166	.51339

Second virial coefficient for the (12, 6, 8) potential function—Continued

T*	γ					
	0.	0.5	1.0	1.5	2.0	2.5
8.000	.41343	.43758	.46059	.48265	.50391	.52450
8.500	.42804	.45108	.47301	.49402	.51426	.53384
9.000	.44060	.46266	.48363	.50372	.52305	.54174
9.500	.45145	.47264	.49277	.51202	.53054	.54844
10.000	.46088	.48129	.50066	.51917	.53696	.55415
11.000	.47631	.49538	.51345	.53069	.54724	.56321
12.000	.48822	.50620	.52319	.53938	.55490	.56986
13.000	.49752	.51457	.53066	.54597	.56062	.57473
14.000	.50483	.52109	.53641	.55097	.56489	.57827
15.000	.51059	.52617	.54084	.55475	.56803	.58079
16.000	.51514	.53014	.54423	.55757	.57030	.58252
18.000	.52154	.53556	.54870	.56112	.57293	.58425
20.000	.52537	.53863	.55102	.56270	.57379	.58439
22.000	.52748	.54012	.55190	.56298	.57348	.58350
24.000	.52840	.54052	.55179	.56237	.57239	.58193
26.000	.52846	.54015	.55100	.56116	.57077	.57990
28.000	.52791	.53924	.54973	.55954	.56879	.57758
30.000	.52693	.53794	.54811	.55761	.56657	.57506
32.000	.52561	.53635	.54625	.55549	.56418	.57241
34.000	.52407	.53456	.54423	.55323	.56168	.56969
36.000	.52235	.53263	.54208	.55088	.55913	.56693
38.000	.52051	.53059	.53986	.54847	.55654	.56416
40.000	.51857	.52849	.53759	.54603	.55393	.56139
45.000	.51353	.52308	.53182	.53991	.54747	.55459
50.000	.50836	.51763	.52609	.53390	.54118	.54802
55.000	.50323	.51227	.52049	.52807	.53513	.54174
60.000	.49821	.50705	.51508	.52247	.52934	.53577
65.000	.49335	.50202	.50989	.51711	.52382	.53009
70.000	.48865	.49718	.50491	.51199	.51856	.52470
75.000	.48413	.49254	.50014	.50710	.51355	.51957
80.000	.47979	.48808	.49558	.50244	.50878	.51469
85.000	.47562	.48382	.49121	.49798	.50422	.51004
90.000	.47162	.47972	.48703	.49371	.49987	.50561
95.000	.46777	.47580	.48303	.48963	.49572	.50138
100.000	.46407	.47203	.47919	.48572	.49174	.49733
125.000	.44754	.45521	.46210	.46847	.47417	.47948
150.000	.43366	.44113	.44781	.45388	.45944	.46471
175.000	.42178	.42909	.43562	.44154	.44695	.45196
200.000	.41143	.41862	.42503	.43082	.43613	.44102

T*	γ						
	0.	0.8	1.0	1.5	2.0		
.250	−45.52545	−41.81188	−40.95224	−38.90746	−36.99727		
.275	−33.76552	−30.91828	−30.25654	−28.67823	−27.19809		
.300	−26.30901	−24.02201	−23.48863	−22.21348	−21.01362		
.325	−21.26642	−19.36542	−18.92073	−17.85544	−16.85013		
.350	−17.68009	−16.05844	−15.67812	−14.76539	−13.90189		
.375	−15.02489	−13.61344	−13.28167	−12.48424	−11.72815		
.400	−12.99391	−11.74569	−11.45170	−10.74415	−10.07199		
.425	−11.39811	−10.27994	−10.01612	−9.38044	−8.77554		
.450	−10.11583	−9.10350	−8.86430	−8.28732	−7.73746		
.475	−9.06577	−8.14116	−7.92239	−7.39421	−6.89019		
.500	−8.19188	−7.34109	−7.13955	−6.65254	−6.18727		
.525	−7.45442	−6.66656	−6.47972	−6.02792	−5.59582		
.550	−6.82453	−6.09093	−5.91679	−5.49542	−5.09204		
.575	−6.28079	−5.59445	−5.43139	−5.03658	−4.65830		
.600	−5.80703	−5.16220	−5.00888	−4.63746	−4.28131		
.650	−5.02245	−4.44714	−4.31016	−3.97801	−3.65909		
.700	−4.40014	−3.88073	−3.75691	−3.45644	−3.16761		
.750	−3.89512	−3.42162	−3.30863	−3.03427	−2.77027		
.800	−3.47748	−3.04234	−2.93843	−2.68594	−2.44279		
.850	−3.12659	−2.72400	−2.62779	−2.39390	−2.16851		
.900	−2.82779	−2.45317	−2.36358	−2.14570	−1.93561		
.950	−2.57042	−2.22006	−2.13624	−1.93229	−1.73552		
1.000	−2.34649	−2.01741	−1.93863	−1.74691	−1.56185		
1.100	−1.97613	−1.68257	−1.61224	−1.44098	−1.27553		
1.200	−1.68263	−1.41754	−1.35399	−1.19918	−1.04952		
1.300	−1.44452	−1.20276	−1.14478	−1.00348	−.86681		
1.400	−1.24762	−1.02533	−.97200	−.84199	−.71620		
1.500	−1.08220	−.87641	−.82702	−.70659	−.59003		
1.600	−.94136	−.74972	−.70372	−.59152	−.48289		
1.700	−.82008	−.64070	−.59764	−.49259	−.39086		
1.800	−.71459	−.54596	−.50547	−.40668	−.31100		
1.900	−.62206	−.46291	−.42469	−.33144	−.24111		
2.000	−.54028	−.38955	−.35335	−.26503	−.17946		
2.200	−.40236	−.26596	−.23320	−.15327	−.07581		
2.400	−.29070	−.16603	−.13609	−.06303	.00778		
2.600	−.19862	−.08371	−.05612	.01121	.07646		
2.800	−.12149	−.01484	.01077	.07324	.13379		
3.000	−.05604	.04354	.06744	.12576	.18226		
3.200	.00013	.09357	.11600	.17071	.22371		
3.400	.04878	.13687	.15800	.20956	.25950		
3.600	.09128	.17465	.19465	.24342	.29065		
3.800	.12868	.20786	.22684	.27314	.31797		
4.000	.16181	.23724	.25532	.29941	.34209		
4.500	.22997	.29757	.31376	.35322	.39140		
5.000	.28255	.34397	.35867	.39447	.42909		
5.500	.32410	.38053	.39402	.42686	.45859		
6.000	.35757	.40987	.42237	.45276	.48211		
6.500	.38496	.43380	.44546	.47380	.50115		
7.000	.40766	.45357	.46451	.49111	.51676		
7.500	.42669	.47007	.48040	.50549	.52967		

T*	γ						
	0.	0.8	1.0	1.5	2.0		
8.000	.44279	.48397	.49377	.51755	.54046		
8.500	.45652	.49578	.50511	.52774	.54952		
9.000	.46830	.50586	.51477	.53639	.55718		
9.500	.47848	.51452	.52307	.54378	.56369		
10.000	.48732	.52200	.53022	.55012	.56924		
11.000	.50176	.53411	.54176	.56028	.57803		
12.000	.51288	.54331	.55050	.56786	.58449		
13.000	.52153	.55035	.55714	.57354	.58923		
14.000	.52831	.55575	.56221	.57779	.59267		
15.000	.53363	.55990	.56607	.58093	.59511		
16.000	.53781	.56305	.56897	.58322	.59680		
17.000	.54109	.56542	.57112	.58483	.59788		
18.000	.54363	.56717	.57268	.58590	.59848		
19.000	.54558	.56841	.57374	.58655	.59870		
20.000	.54705	.56924	.57442	.58684	.59862		
22.000	.54884	.56995	.57486	.58662	.59775		
24.000	.54952	.56972	.57441	.58563	.59623		
26.000	.54940	.56885	.57335	.58411	.59426		
28.000	.54872	.56752	.57186	.58223	.59200		
30.000	.54763	.56587	.57008	.58011	.58954		
32.000	.54624	.56400	.56808	.57782	.58696		
34.000	.54463	.56196	.56595	.57542	.58431		
36.000	.54287	.55982	.56371	.57296	.58162		
38.000	.54099	.55761	.56142	.57046	.57892		
40.000	.53904	.55535	.55909	.56794	.57623		
45.000	.53396	.54964	.55322	.56169	.56959		
50.000	.52880	.54397	.54743	.55559	.56319		
55.000	.52369	.53845	.54180	.54971	.55706		
60.000	.51871	.53312	.53639	.54409	.55123		
65.000	.51389	.52800	.53120	.53872	.54568		
70.000	.50924	.52310	.52623	.53360	.54041		
75.000	.50477	.51841	.52148	.52872	.53540		
80.000	.50048	.51392	.51695	.52406	.53063		
85.000	.49636	.50963	.51261	.51962	.52608		
90.000	.49240	.50551	.50846	.51538	.52175		
95.000	.48861	.50157	.50449	.51132	.51760		
100.000	.48496	.49780	.50068	.50743	.51364		
125.000	.46870	.48099	.48375	.49019	.49611		
150.000	.45491	.46698	.46963	.47585	.48155		
175.000	.44316	.45505	.45763	.46365	.46918		
200.000	.43293	.44444	.44700	.45310	.45848		

T*	γ						
	0.	0.2	0.4	0.6	0.8	1.0	1.5
.250	−43.24987	−42.22315	−41.23196	−40.27398	−39.34714	−38.44958	−36.32320
.275	−32.06905	−31.28297	−30.52273	−29.78664	−29.07321	−28.38110	−26.73644
.300	−24.97923	−24.34863	−23.73780	−23.14546	−22.50		
.325	−20.18428	−19.66069	−19.15284	−18.65970	−18.18037	−17.71402	−16.60034
.350	−16.77384	−16.32762	−15.89432	−15.47309	−15.06317	−14.66389	−13.70850
.375	−14.24867	−13.86064	−13.48345	−13.11639	−12.75884	−12.41022	−11.57459
.400	−12.31704	−11.97414	−11.64053	−11.31560	−10.99880	−10.68965	−9.94749
.425	−10.79920	−10.49224	−10.19335	−9.90202	−9.61776	−9.34016	−8.67284
.450	−9.57949	−9.30175	−9.03114	−8.76719	−8.50947	−8.25761	−7.65147
.475	−8.58061	−8.32708	−8.07990	−7.83866	−7.60297	−7.37251	−6.81728
.500	−7.74928	−7.51610	−7.28864	−7.06653	−6.84941	−6.63699	−6.12477
.525	−7.04770	−6.83186	−6.62122	−6.41542	−6.21416	−6.01716	−5.54172
.550	−6.44841	−6.24752	−6.05138	−5.85967	−5.67211	−5.48843	−5.04481
.575	−5.93108	−5.74319	−5.55968	−5.38025	−5.20462	−5.03257	−4.61675
.600	−5.48030	−5.30384	−5.13143	−4.96278	−4.79766	−4.63584	−4.24451
.650	−4.73374	−4.57640	−4.42257	−4.27200	−4.12450	−3.97985	−3.62967
.700	−4.14155	−3.99957	−3.86068	−3.72467	−3.59135	−3.46055	−3.14361
.750	−3.66095	−3.53156	−3.40495	−3.28091	−3.15926	−3.03986	−2.75033
.800	−3.26347	−3.14462	−3.02826	−2.91423	−2.80235	−2.69251	−2.42596
.850	−2.92951	−2.81958	−2.71193	−2.60639	−2.50282	−2.40109	−2.15410
.900	−2.64512	−2.54285	−2.44268	−2.34444	−2.24801	−2.15326	−1.92312
.950	−2.40014	−2.30453	−2.21084	−2.11895	−2.02872	−1.94005	−1.72457
1.000	−2.18700	−2.09720	−2.00921	−1.92287	−1.83809	−1.75475	−1.55214
1.100	−1.83445	−1.75438	−1.67588	−1.59884	−1.52315	−1.44873	−1.26769
1.200	−1.55505	−1.48276	−1.41188	−1.34230	−1.27392	−1.20666	−1.04296
1.300	−1.32837	−1.26246	−1.19783	−1.13436	−1.07197	−1.01059	−.86115
1.400	−1.14092	−1.08034	−1.02091	−.96254	−.90516	−.84870	−.71118
1.500	−.98344	−.92736	−.87234	−.81830	−.76517	−.71288	−.58548
1.600	−.84935	−.79714	−.74591	−.69558	−.64609	−.59738	−.47868
1.700	−.73388	−.68502	−.63707	−.58996	−.54363	−.49803	−.38689
1.800	−.63345	−.58752	−.54244	−.49816	−.45460	−.41172	−.30720
1.900	−.54536	−.50201	−.45947	−.41767	−.37657	−.33609	−.23743
2.000	−.46749	−.42644	−.38616	−.34658	−.30765	−.26932	−.17586
2.200	−.33618	−.29904	−.26259	−.22678	−.19155	−.15687	−.07229
2.400	−.22989	−.19594	−.16263	−.12990	−.09770	−.06600	.01130
2.600	−.14222	−.11094	−.08024	−.05008	−.02041	.00880	.08003
2.800	−.06879	−.03976	−.01128	.01671	.04424	.07134	.13743
3.000	−.00649	.02062	.04721	.07333	.09903	.12432	.18600
3.200	.04697	.07240	.09736	.12187	.14597	.16970	.22756
3.400	.09328	.11725	.14077	.16387	.18659	.20895	.26346
3.600	.13373	.15642	.17867	.20053	.22202	.24317	.29473
3.800	.16933	.19087	.21201	.23276	.25316	.27323	.32217
4.000	.20085	.22138	.24151	.26127	.28070	.29982	.34640
4.500	.26570	.28410	.30213	.31983	.33722	.35433	.39600
5.000	.31572	.33243	.34881	.36488	.38066	.39618	.43397
5.500	.35523	.37059	.38563	.40037	.41486	.42909	.46374
6.000	.38705	.40129	.41522	.42888	.44229	.45546	.48751
6.500	.41308	.42637	.43938	.45213	.46463	.47692	.50678
7.000	.43465	.44714	.45936	.47133	.48307	.49460	.52260
7.500	.45272	.46453	.47607	.48737	.49845	.50932	.53573

Second virial coefficient for the (14, 6, 8) potential function – Continued

T*	γ						
	0.	0.2	0.4	0.6	0.8	1.0	1.5
8.000	.46800	.47921	.49016	.50088	.51139	.52169	.54671
8.500	.48103	.49171	.50215	.51235	.52235	.53217	.55596
9.000	.49220	.50243	.51240	.52216	.53171	.54108	.56380
9.500	.50185	.51166	.52123	.53058	.53974	.54872	.57047
10.000	.51021	.51966	.52886	.53786	.54666	.55529	.57617
11.000	.52388	.53268	.54127	.54965	.55784	.56586	.58527
12.000	.53438	.54267	.55073	.55860	.56629	.57382	.59199
13.000	.54254	.55039	.55802	.56546	.57272	.57983	.59698
14.000	.54891	.55638	.56365	.57072	.57763	.58438	.60065
15.000	.55390	.56105	.56800	.57476	.58136	.58780	.60331
16.000	.55781	.56468	.57135	.57784	.58416	.59034	.60519
17.000	.56086	.56748	.57391	.58016	.58624	.59218	.60646
18.000	.56321	.56962	.57583	.58187	.58774	.59347	.60724
19.000	.56500	.57121	.57724	.58308	.58877	.59432	.60762
20.000	.56633	.57237	.57822	.58390	.58942	.59480	.60770
22.000	.56791	.57366	.57922	.58460	.58983	.59493	.60712
24.000	.56843	.57393	.57925	.58439	.58939	.59425	.60586
26.000	.56820	.57350	.57861	.58356	.58835	.59301	.60413
28.000	.56744	.57256	.57750	.58227	.58689	.59138	.60209
30.000	.56630	.57126	.57605	.58067	.58515	.58949	.59983
32.000	.56487	.56971	.57436	.57886	.58320	.58742	.59744
34.000	.56324	.56796	.57250	.57688	.58112	.58522	.59497
36.000	.56147	.56609	.57052	.57480	.57894	.58294	.59244
38.000	.55959	.56412	.56846	.57265	.57670	.58061	.58990
40.000	.55764	.56209	.56635	.57046	.57442	.57826	.58735
45.000	.55260	.55687	.56097	.56490	.56870	.57236	.58104
50.000	.54749	.55163	.55559	.55939	.56304	.56658	.57492
55.000	.54245	.54647	.55032	.55401	.55755	.56098	.56905
60.000	.53754	.54146	.54521	.54881	.55227	.55560	.56344
65.000	.53278	.53663	.54030	.54382	.54720	.55045	.55811
70.000	.52821	.53198	.53559	.53904	.54235	.54553	.55302
75.000	.52381	.52752	.53107	.53446	.53771	.54084	.54818
80.000	.51958	.52324	.52674	.53007	.53327	.53635	.54357
85.000	.51553	.51914	.52259	.52588	.52903	.53206	.53917
90.000	.51163	.51521	.51861	.52186	.52497	.52796	.53497
95.000	.50790	.51143	.51480	.51801	.52109	.52404	.53096
100.000	.50430	.50780	.51113	.51431	.51736	.52028	.52711
125.000	.48825	.49161	.49481	.49785	.50076	.50355	.51007
150.000	.47477	.47803	.48113	.48408	.48690	.48959	.49589
175.000	.46324	.46642	.46943	.47231	.47505	.47768	.48380
200.000	.45321	.45632	.45927	.46207	.46476	.46732	.47330

Second virial coefficient for the (15, 6, 8) potential function

T*	γ						
	0.	0.2	0.4	0.6	0.8	1.0	1.5
.250	−41.28912	−40.22414	−39.19836	−38.20912	−37.25404	−36.33099	−34.15143
.275	−30.61028	−29.79417	−29.00656	−28.24549	−27.50926	−26.79633	−25.10729
.300	−23.83783	−23.18265	−22.54925	−21.93616	−21.34206	−20.76580	−19.39655
.325	−19.25690	−18.71257	−18.18555	−17.67468	−17.17891	−16.69731	−15.55011
.350	−15.99826	−15.53413	−15.08418	−14.64747	−14.22312	−13.81038	−12.82506
.375	−13.58520	−13.18140	−12.78951	−12.40871	−12.03830	−11.67762	−10.81494
.400	−11.73909	−11.38213	−11.03536	−10.69807	−10.36967	−10.04959	−9.28274
.425	−10.28830	−9.96864	−9.65785	−9.35530	−9.06046	−8.77286	−8.08280
.450	−9.12235	−8.83304	−8.55155	−8.27732	−8.00988	−7.74880	−7.12160
.475	−8.16741	−7.90325	−7.64605	−7.39532	−7.15064	−6.91163	−6.33677
.500	−7.37256	−7.12956	−6.89282	−6.66190	−6.43641	−6.21602	−5.68540
.525	−6.70172	−6.47674	−6.25745	−6.04344	−5.83435	−5.62988	−5.13714
.550	−6.12864	−5.91922	−5.71498	−5.51556	−5.32064	−5.12993	−4.66998
.575	−5.63390	−5.43800	−5.24688	−5.06018	−4.87762	−4.69893	−4.26764
.600	−5.20277	−5.01876	−4.83917	−4.66366	−4.49198	−4.32387	−3.91784
.650	−4.48869	−4.32458	−4.16429	−4.00756	−3.85412	−3.70378	−3.34025
.700	−3.92220	−3.77408	−3.62933	−3.48770	−3.34898	−3.21298	−2.88379
.750	−3.46240	−3.32741	−3.19542	−3.06623	−2.93962	−2.81543	−2.51458
.800	−3.08210	−2.95807	−2.83677	−2.71797	−2.60150	−2.48722	−2.21016
.850	−2.76254	−2.64782	−2.53557	−2.42560	−2.31776	−2.21189	−1.95509
.900	−2.49039	−2.38366	−2.27919	−2.17682	−2.07639	−1.97778	−1.73843
.950	−2.25594	−2.15615	−2.05844	−1.96267	−1.86869	−1.77638	−1.55223
1.000	−2.05195	−1.95822	−1.86644	−1.77646	−1.68814	−1.60136	−1.39057
1.100	−1.71451	−1.63092	−1.54904	−1.46873	−1.38987	−1.31237	−1.12395
1.200	−1.44705	−1.37160	−1.29766	−1.22511	−1.15385	−1.08379	−.91338
1.300	−1.23005	−1.16126	−1.09382	−1.02764	−.96263	−.89869	−.74309
1.400	−1.05060	−.98735	−.92535	−.86449	−.80469	−.74586	−.60266
1.500	−.89982	−.84128	−.78388	−.72753	−.67215	−.61766	−.48499
1.600	−.77144	−.71693	−.66349	−.61101	−.55942	−.50866	−.38503
1.700	−.66087	−.60987	−.55984	−.51072	−.46243	−.41492	−.29915
1.800	−.56471	−.51677	−.46974	−.42356	−.37816	−.33348	−.22461
1.900	−.48035	−.43511	−.39073	−.34715	−.30430	−.26213	−.15936
2.000	−.40579	−.36295	−.32093	−.27966	−.23908	−.19914	−.10179
2.200	−.28005	−.24129	−.20327	−.16593	−.12922	−.09308	−.00498
2.400	−.17825	−.14284	−.10810	−.07398	−.04043	−.00740	.07312
2.600	−.09430	−.06166	−.02966	.00178	.03269	.06312	.13731
2.800	−.02398	.00630	.03600	.06517	.09385	.12208	.19090
3.000	.03569	.06395	.09167	.11889	.14566	.17200	.23622
3.200	.08689	.11340	.13941	.16494	.19005	.21476	.27499
3.400	.13123	.15623	.18073	.20479	.22844	.25172	.30846
3.600	.16997	.19362	.21680	.23956	.26193	.28395	.33761
3.800	.20406	.22651	.24852	.27012	.29136	.31225	.36317
4.000	.23425	.25564	.27659	.29717	.31738	.33727	.38574
4.500	.29635	.31550	.33427	.35268	.37077	.38856	.43190
5.000	.34424	.36163	.37866	.39537	.41178	.42791	.46719
5.500	.38206	.39803	.41366	.42899	.44404	.45883	.49482
6.000	.41252	.42731	.44179	.45597	.46990	.48358	.51685
6.500	.43743	.45124	.46474	.47797	.49095	.50370	.53469
7.000	.45807	.47104	.48372	.49613	.50831	.52026	.54931
7.500	.47536	.48761	.49957	.51129	.52277	.53405	.5614

Second virial coefficient for the (15, 6, 8) potential function—Continued

T*	γ						
	0.	0.2	0.4	0.6	0.8	1.0	1.5
7.500	.47536	.48761	.49957	.51129	.52277	.53405	.56142
8.000	.48997	.50159	.51294	.52405	.53493	.54561	.57152
8.500	.50243	.51350	.52431	.53488	.54523	.55539	.58002
9.000	.51311	.52369	.53402	.54412	.55401	.56370	.58721
9.500	.52232	.53248	.54238	.55206	.56153	.57081	.59331
10.000	.53032	.54008	.54960	.55890	.56800	.57692	.59851
11.000	.54336	.55246	.56132	.56997	.57843	.58672	.60675
12.000	.55337	.56193	.57025	.57836	.58630	.59406	.61281
13.000	.56114	.56923	.57710	.58477	.59225	.59957	.61725
14.000	.56720	.57490	.58238	.58966	.59677	.60372	.62047
15.000	.57194	.57930	.58645	.59340	.60018	.60680	.62276
16.000	.57564	.58271	.58956	.59623	.60273	.60907	.62433
17.000	.57852	.58533	.59193	.59834	.60459	.61068	.62534
18.000	.58073	.58731	.59368	.59988	.60590	.61178	.62590
19.000	.58241	.58878	.59495	.60095	.60678	.61246	.62610
20.000	.58364	.58983	.59583	.60164	.60729	.61280	.62601
22.000	.58508	.59096	.59664	.60215	.60750	.61271	.62518
24.000	.58550	.59113	.59655	.60181	.60691	.61186	.62372
26.000	.58522	.59062	.59583	.60087	.60576	.61051	.62185
28.000	.58442	.58964	.59466	.59952	.60423	.60880	.61970
30.000	.58325	.58831	.59318	.59788	.60243	.60685	.61737
32.000	.58182	.58674	.59147	.59604	.60045	.60474	.61493
34.000	.58020	.58500	.58961	.59405	.59835	.60251	.61241
36.000	.57844	.58313	.58763	.59197	.59616	.60022	.60986
38.000	.57658	.58117	.58558	.58982	.59392	.59788	.60729
40.000	.57466	.57916	.58348	.58764	.59165	.59553	.60473
45.000	.56969	.57401	.57815	.58213	.58596	.58967	.59843
50.000	.56467	.56885	.57284	.57667	.58036	.58393	.59234
55.000	.55972	.56377	.56765	.57137	.57494	.57839	.58652
60.000	.55490	.55885	.56263	.56625	.56972	.57307	.58097
65.000	.55024	.55410	.55780	.56133	.56473	.56799	.57568
70.000	.54575	.54954	.55316	.55662	.55995	.56314	.57066
75.000	.54143	.54516	.54872	.55212	.55538	.55852	.56588
80.000	.53729	.54097	.54447	.54781	.55102	.55410	.56133
85.000	.53331	.53694	.54039	.54369	.54685	.54988	.55700
90.000	.52950	.53308	.53649	.53974	.54285	.54585	.55286
95.000	.52583	.52937	.53274	.53595	.53903	.54198	.54890
100.000	.52231	.52581	.52914	.53232	.53536	.53828	.54511
125.000	.50656	.50992	.51311	.51614	.51905	.52183	.52833
150.000	.49331	.49657	.49966	.50260	.50541	.50809	.51435
175.000	.48195	.48513	.48814	.49101	.49374	.49636	.50244
200.000	.47204	.47516	.47811	.48092	.48359	.48615	.49210

Second virial coefficient for the (16, 6, 8) potential function

T*	γ					
	0.	0.2	0.4	0.6	0.8	1.0
.250	−39.58014	−38.48773	−37.43754	−36.42659	−35.45223	−34.51213
.275	−29.34106	−28.50320	−27.69598	−26.91726	−26.16515	−25.43793
.300	−22.84628	−22.17313	−21.52340	−20.89545	−20.28783	−19.69926
.325	−18.45236	−17.89276	−17.35177	−16.82806	−16.32051	−15.82809
.350	−15.32621	−14.84882	−14.38665	−13.93864	−13.50385	−13.08145
.375	−13.01088	−12.59536	−12.19262	−11.80174	−11.42194	−11.05251
.400	−11.23927	−10.87182	−10.51528	−10.16888	−9.83195	−9.50388
.425	−9.84682	−9.51767	−9.19799	−8.88712	−8.58447	−8.28952
.450	−8.72760	−8.42962	−8.13999	−7.85811	−7.58346	−7.31557
.475	−7.81082	−7.53868	−7.27397	−7.01616	−6.76478	−6.51942
.500	−7.04765	−6.79725	−6.55353	−6.31601	−6.08427	−5.85794
.525	−6.40346	−6.17160	−5.94580	−5.72561	−5.51066	−5.30060
.550	−5.85311	−5.63723	−5.42689	−5.22167	−5.02122	−4.82524
.575	−5.37793	−5.17597	−4.97910	−4.78693	−4.59915	−4.41547
.600	−4.96382	−4.77409	−4.58906	−4.40838	−4.23175	−4.05890
.650	−4.27783	−4.10858	−3.94341	−3.78199	−3.62408	−3.46943
.700	−3.73355	−3.58076	−3.43156	−3.28567	−3.14285	−3.00290
.750	−3.29171	−3.15245	−3.01638	−2.88326	−2.75288	−2.62505
.800	−2.92622	−2.79826	−2.67318	−2.55076	−2.43080	−2.31313
.850	−2.61908	−2.50071	−2.38495	−2.27161	−2.16051	−2.05149
.900	−2.35748	−2.24734	−2.13960	−2.03408	−1.93060	−1.82902
.950	−2.13210	−2.02911	−1.92834	−1.82960	−1.73275	−1.63766
1.000	−1.93598	−1.83925	−1.74458	−1.65180	−1.56078	−1.47137
1.100	−1.61153	−1.52526	−1.44079	−1.35798	−1.27669	−1.19681
1.200	−1.35434	−1.27646	−1.20018	−1.12536	−1.05189	−.97968
1.300	−1.14565	−1.07464	−1.00506	−.93681	−.86977	−.80386
1.400	−.97304	−.90777	−.84380	−.78103	−.71936	−.65871
1.500	−.82801	−.76759	−.70837	−.65025	−.59314	−.53697
1.600	−.70452	−.64826	−.59312	−.53899	−.48579	−.43346
1.700	−.59815	−.54551	−.49390	−.44323	−.39344	−.34444
1.800	−.50564	−.45616	−.40764	−.36001	−.31319	−.26713
1.900	−.42448	−.37779	−.33201	−.28706	−.24287	−.19939
2.000	−.35273	−.30853	−.26518	−.22261	−.18077	−.13959
2.200	−.23174	−.19176	−.15254	−.11404	−.07618	−.03891
2.400	−.13379	−.09725	−.06143	−.02624	.00835	.04240
2.600	−.05300	−.01934	.01367	.04608	.07795	.10932
2.800	.01468	.04590	.07652	.10659	.13615	.16525
3.000	.07210	.10124	.12982	.15787	.18546	.21261
3.200	.12137	.14871	.17551	.20183	.22770	.25316
3.400	.16406	.18982	.21507	.23986	.26423	.28821
3.600	.20134	.22571	.24959	.27304	.29609	.31876
3.800	.23415	.25728	.27995	.30221	.32408	.34560
4.000	.26321	.28524	.30682	.32801	.34883	.36931
4.500	.32298	.34270	.36202	.38097	.39958	.41790
5.000	.36908	.38697	.40450	.42168	.43856	.45516
5.500	.40549	.42191	.43798	.45374	.46921	.48442
6.000	.43481	.45001	.46488	.47946	.49377	.50783
6.500	.45878	.47296	.48683	.50042	.51375	.52684
7.000	.47864	.49196	.50497	.51771	.53021	.54249
7.500	.49528	.50785	.52013	.53214	.54392	.55549

Second virial coefficient for the (16, 6, 8) potential function—Continued

T*	γ					
	0.	0.2	0.4	0.6	0.8	1.0
8.000	.50935	.52126	.53290	.54428	.55544	.56639
8.500	.52133	.53267	.54375	.55458	.56519	.57560
9.000	.53160	.54245	.55302	.56336	.57349	.58342
9.500	.54047	.55086	.56100	.57090	.58060	.59011
10.000	.54816	.55815	.56788	.57740	.58671	.59583
11.000	.56069	.56999	.57905	.58790	.59654	.60501
12.000	.57032	.57905	.58755	.59583	.60393	.61186
13.000	.57778	.58603	.59406	.60188	.60951	.61698
14.000	.58360	.59144	.59906	.60648	.61373	.62081
15.000	.58814	.59563	.60291	.60999	.61689	.62364
16.000	.59169	.59887	.60584	.61262	.61923	.62569
17.000	.59444	.60135	.60806	.61458	.62093	.62712
18.000	.59655	.60323	.60970	.61598	.62210	.62807
19.000	.59814	.60461	.61087	.61695	.62287	.62863
20.000	.59931	.60559	.61166	.61756	.62329	.62887
22.000	.60066	.60661	.61236	.61794	.62335	.62863
24.000	.60103	.60671	.61220	.61751	.62266	.62768
26.000	.60071	.60617	.61143	.61652	.62146	.62625
28.000	.59991	.60517	.61024	.61514	.61989	.62450
30.000	.59875	.60384	.60875	.61348	.61807	.62252
32.000	.59733	.60228	.60704	.61164	.61608	.62039
34.000	.59574	.60056	.60519	.60966	.61398	.61817
36.000	.59401	.59871	.60324	.60759	.61180	.61588
38.000	.59218	.59679	.60121	.60547	.60958	.61356
40.000	.59030	.59481	.59914	.60331	.60734	.61123
45.000	.58543	.58976	.59390	.59788	.60172	.60543
50.000	.58052	.58469	.58868	.59251	.59620	.59976
55.000	.57568	.57972	.58359	.58730	.59087	.59431
60.000	.57096	.57490	.57867	.58227	.58574	.58908
65.000	.56640	.57025	.57393	.57745	.58083	.58408
70.000	.56201	.56579	.56939	.57283	.57614	.57932
75.000	.55779	.56150	.56504	.56841	.57166	.57477
80.000	.55374	.55739	.56087	.56419	.56737	.57044
85.000	.54985	.55345	.55688	.56015	.56328	.56629
90.000	.54612	.54967	.55305	.55627	.55936	.56233
95.000	.54253	.54604	.54938	.55256	.55561	.55854
100.000	.53908	.54255	.54585	.54900	.55201	.55491
125.000	.52366	.52698	.53014	.53314	.53601	.53876
150.000	.51068	.51390	.51695	.51985	.52262	.52527
175.000	.49953	.50267	.50564	.50847	.51116	.51374
200.000	.48980	.49288	.49579	.49855	.50119	.50371

Second virial coefficient for the (17, 6, 8) potential function

T*	γ					
	0.	0.2	0.4	0.6	0.8	1.0
.250	−38.07590	−36.96386	−35.89649	−34.87056	−33.88322	−32.93194
.275	−28.22559	−27.37194	−26.55069	−25.75952	−24.99638	−24.25945
.300	−21.97601	−21.28969	−20.62811	−19.98949	−19.37229	−18.77512
.325	−17.74706	−17.17617	−16.62492	−16.09189	−15.57586	−15.07573
.350	−14.73766	−14.25040	−13.77919	−13.32289	−12.88049	−12.45110
.375	−12.50837	−12.08409	−11.67326	−11.27491	−10.88821	−10.51240
.400	−10.80229	−10.42695	−10.06310	−9.70991	−9.36666	−9.03271
.425	−9.46112	−9.12479	−8.79844	−8.48134	−8.17287	−7.87245
.450	−8.38295	−8.07839	−7.78262	−7.49498	−7.21492	−6.94195
.475	−7.49965	−7.22144	−6.95105	−6.68788	−6.43146	−6.18133
.500	−6.76426	−6.50823	−6.25921	−6.01669	−5.78023	−5.54941
.525	−6.14344	−5.90632	−5.67556	−5.45068	−5.23128	−5.01699
.550	−5.61298	−5.39218	−5.17717	−4.96754	−4.76289	−4.56290
.575	−5.15493	−4.94834	−4.74707	−4.55073	−4.35897	−4.17148
.600	−4.75571	−4.56160	−4.37241	−4.18777	−4.00736	−3.83088
.650	−4.09429	−3.92110	−3.75216	−3.58716	−3.42581	−3.26785
.700	−3.56940	−3.41303	−3.26041	−3.11124	−2.96526	−2.82228
.750	−3.14325	−3.00070	−2.86149	−2.72535	−2.59205	−2.46141
.800	−2.79068	−2.65969	−2.53170	−2.40648	−2.28381	−2.16353
.850	−2.49436	−2.37317	−2.25471	−2.13876	−2.02513	−1.91367
.900	−2.24196	−2.12919	−2.01892	−1.91095	−1.80510	−1.70123
.950	−2.02447	−1.91902	−1.81587	−1.71484	−1.61576	−1.51850
1.000	−1.83521	−1.73616	−1.63925	−1.54431	−1.45117	−1.35973
1.100	−1.52206	−1.43371	−1.34724	−1.26248	−1.17929	−1.09757
1.200	−1.27379	−1.19403	−1.11593	−1.03935	−.96416	−.89027
1.300	−1.07231	−.99959	−.92835	−.85848	−.78987	−.72242
1.400	−.90565	−.83880	−.77330	−.70905	−.64593	−.58386
1.500	−.76561	−.70373	−.64310	−.58359	−.52514	−.46764
1.600	−.64635	−.58874	−.53227	−.47686	−.42241	−.36884
1.700	−.54362	−.48971	−.43687	−.38500	−.33403	−.28388
1.800	−.45427	−.40360	−.35393	−.30517	−.25724	−.21009
1.900	−.37587	−.32806	−.28119	−.23518	−.18995	−.14544
2.000	−.30657	−.26130	−.21693	−.17335	−.13052	−.08837
2.200	−.18969	−.14875	−.10861	−.06919	−.03044	.00770
2.400	−.09505	−.05765	−.02098	.01503	.05043	.08528
2.600	−.01698	.01747	.05124	.08441	.11702	.14912
2.800	.04841	.08036	.11169	.14246	.17270	.20248
3.000	.10390	.13372	.16295	.19165	.21987	.24765
3.200	.15152	.17948	.20690	.23381	.26028	.28632
3.400	.19277	.21912	.24494	.27029	.29522	.31975
3.600	.22881	.25373	.27815	.30212	.32569	.34888
3.800	.26053	.28417	.30735	.33010	.35246	.37446
4.000	.28862	.31113	.33319	.35484	.37612	.39706
4.500	.34639	.36654	.38627	.40563	.42465	.44337
5.000	.39096	.40923	.42712	.44467	.46191	.47886
5.500	.42616	.44292	.45932	.47540	.49119	.50672
6.000	.45451	.47002	.48519	.50006	.51465	.52900
6.500	.47769	.49215	.50629	.52014	.53373	.54709
7.000	.49690	.51047	.52373	.53671	.54945	.56196
7.500	.51299	.52579	.53829	.55053	.56253	.57432

Second virial coefficient for the (17, 6, 8) potential function—Continued

T*	γ					
	0.	0.2	0.4	0.6	0.8	1.0
8.000	.52659	.53872	.55056	.56216	.57352	.58467
8.500	.53818	.54972	.56099	.57201	.58281	.59340
9.000	.54812	.55914	.56990	.58041	.59072	.60082
9.500	.55670	.56726	.57756	.58762	.59748	.60715
10.000	.56413	.57428	.58417	.59383	.60329	.61257
11.000	.57626	.58569	.59488	.60386	.61264	.62124
12.000	.58557	.59442	.60303	.61143	.61964	.62768
13.000	.59278	.60114	.60926	.61718	.62492	.63249
14.000	.59841	.60634	.61405	.62156	.62890	.63607
15.000	.60280	.61037	.61772	.62488	.63186	.63869
16.000	.60623	.61348	.62052	.62737	.63405	.64058
17.000	.60888	.61586	.62263	.62921	.63562	.64188
18.000	.61092	.61765	.62418	.63052	.63669	.64272
19.000	.61246	.61897	.62528	.63141	.63737	.64319
20.000	.61358	.61990	.62602	.63195	.63773	.64336
22.000	.61487	.62086	.62664	.63225	.63770	.64301
24.000	.61522	.62093	.62643	.63177	.63695	.64199
26.000	.61491	.62037	.62565	.63076	.63571	.64053
28.000	.61411	.61938	.62446	.62937	.63413	.63875
30.000	.61298	.61807	.62298	.62772	.63232	.63677
32.000	.61160	.61654	.62130	.62589	.63034	.63466
34.000	.61004	.61485	.61948	.62394	.62826	.63245
36.000	.60835	.61304	.61755	.62190	.62611	.63018
38.000	.60657	.61116	.61557	.61981	.62392	.62789
40.000	.60473	.60923	.61354	.61770	.62171	.62559
45.000	.59999	.60428	.60840	.61236	.61618	.61987
50.000	.59520	.59933	.60330	.60710	.61077	.61431
55.000	.59047	.59448	.59831	.60199	.60553	.60895
60.000	.58587	.58977	.59350	.59707	.60051	.60382
65.00	.58142	.58523	.58887	.59235	.59570	.59892
70.000	.57714	.58087	.58442	.58783	.59110	.59425
75.000	.57302	.57668	.58017	.58351	.58671	.58979
80.000	.56906	.57266	.57609	.57937	.58252	.58554
85.000	.56527	.56881	.57219	.57542	.57851	.58148
90.000	.56162	.56512	.56845	.57163	.57467	.57760
95.000	.55811	.56157	.56485	.56799	.57100	.57388
100.000	.55474	.55816	.56141	.56451	.56747	.57032
125.000	.53966	.54293	.54602	.54897	.55179	.55450
150.000	.52696	.53011	.53310	.53595	.53867	.54127
175.000	.51604	.51911	.52203	.52480	.52744	.52996
200.000	.50650	.50951	.51236	.51507	.51765	.52012

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T*	γ						
	0.	0.2	0.4	0.6			
.250	−36.74057	−35.61458	−34.53527	−33.49921			
.275	−27.23671	−26.37162	−25.54039	−24.74051			
.300	−21.20541	−20.50941	−19.83924	−19.19301			
.325	−17.12318	−16.54392	−15.98513	−15.44532			
.350	−14.21753	−13.72288	−13.24496	−12.78256			
.375	−12.06463	−11.63374	−11.21686	−10.81297			
.400	−10.41668	−10.03536	−9.66601	−9.30773			
.425	−9.12096	−8.77919	−8.44778	−8.12598			
.450	−8.07915	−7.76958	−7.46914	−7.17713			
.475	−7.22550	−6.94266	−6.66792	−6.40068			
.500	−6.51469	−6.25434	−6.00127	−5.75493			
.525	−5.91453	−5.67338	−5.43881	−5.21033			
.550	−5.40167	−5.17707	−4.95848	−4.74544			
.575	−4.95875	−4.74858	−4.54392	−4.34436			
.600	−4.57267	−4.37518	−4.18278	−3.99508			
.650	−3.93293	−3.75669	−3.58484	−3.41706			
.700	−3.42515	−3.26600	−3.11072	−2.95899			
.750	−3.01282	−2.86772	−2.72606	−2.58756			
.800	−2.67164	−2.53829	−2.40803	−2.28061			
.850	−2.38485	−2.26146	−2.14089	−2.02289			
.900	−2.14052	−2.02571	−1.91346	−1.80358			
.950	−1.92999	−1.82261	−1.71760	−1.61477			
1.000	−1.74674	−1.64588	−1.54722	−1.45058			
1.100	−1.44352	−1.35356	−1.26551	−1.17922			
1.200	−1.20308	−1.12186	−1.04233	−.96436			
1.300	−1.00793	−.93387	−.86133	−.79019			
1.400	−.84649	−.77841	−.71171	−.64628			
1.500	−.71081	−.64780	−.58605	−.52547			
1.600	−.59526	−.53659	−.47910	−.42267			
1.700	−.49572	−.44082	−.38701	−.33420			
1.800	−.40913	−.35753	−.30695	−.25731			
1.900	−.33315	−.28447	−.23675	−.18989			
2.000	−.26598	−.21990	−.17471	−.13035			
2.200	−.15269	−.11101	−.07014	−.03002			
2.400	−.06095	−.02288	.01445	.05111			
2.600	.01474	.04980	.08418	.11794			
2.800	.07814	.11066	.14255	.17385			
3.000	.13196	.16229	.19204	.22124			
3.200	.17814	.20658	.23447	.26186			
3.400	.21815	.24494	.27121	.29700			
3.600	.25310	.27844	.30327	.32766			
3.800	.28386	.30791	.33147	.35460			
4.000	.31111	.33400	.35643	.37844			
4.500	.36717	.38763	.40768	.42736			
5.000	.41041	.42897	.44714	.46496			
5.500	.44457	.46158	.47823	.49456			
6.000	.47209	.48782	.50321	.51830			
6.500	.49460	.50925	.52359	.53764			
7.000	.51325	.52699	.54043	.55360			
7.500	.52887	.54183	.55450	.56690			

Second virial coefficient for the (18, 6, 8) potential function—Continued

T*	γ						
	0.	0.2	0.4	0.6			
8.000	.54208	.55435	.56635	.57809			
8.500	.55333	.56501	.57641	.58757			
9.000	.56299	.57414	.58501	.59566			
9.500	.57132	.58199	.59241	.60259			
10.000	.57854	.58879	.59879	.60856			
11.000	.59033	.59985	.60913	.61820			
12.000	.59938	.60830	.61699	.62547			
13.000	.60640	.61482	.62300	.63099			
14.000	.61187	.61986	.62762	.63519			
15.000	.61615	.62376	.63116	.63836			
16.000	.61948	.62677	.63385	.64074			
17.000	.62207	.62907	.63587	.64248			
18.000	.62405	.63081	.63736	.64373			
19.000	.62555	.63208	.63841	.64456			
20.000	.62665	.63298	.63911	.64506			
22.000	.62792	.63390	.63969	.64531			
24.000	.62827	.63396	.63947	.64480			
26.000	.62796	.63342	.63869	.64379			
28.000	.62720	.63245	.63751	.64241			
32.000	.62476	.62968	.63442	.63899			
30.000	.62610	.63117	.63606	.64079			
34.000	.62325	.62803	.63263	.63707			
36.000	.62161	.62627	.63075	.63508			
38.000	.61988	.62444	.62881	.63303			
40.000	.61809	.62255	.62683	.63095			
45.000	.61348	.61774	.62181	.62574			
50.000	.60882	.61291	.61683	.62059			
55.000	.60422	.60818	.61197	.61560			
60.000	.59974	.60359	.60726	.61079			
65.000	.59541	.59916	.60274	.60618			
70.000	.59124	.59490	.59841	.60176			
75.000	.58722	.59082	.59425	.59753			
80.000	.58336	.58690	.59027	.59349			
85.000	.57966	.58314	.58645	.58962			
90.000	.57610	.57953	.58280	.58592			
95.000	.57268	.57607	.57929	.58237			
100.000	.56939	.57274	.57592	.57896			
125.000	.55466	.55785	.56088	.56376			
150.000	.54224	.54532	.54824	.55102			
175.000	.53155	.53455	.53739	.54009			
200.000	.52221	.52514	.52792	.53056			

TABLE 5. *The first derivative of the* (m, 6, 8) *potential for various values of* m *and* γ

$T^* \frac{dB^*}{dT^*}$ *for the* (9, 6, 8) *potential function*

T*	γ					
	0.	1.	2.	3.	4.	5.
.275	132.23556	128.38747	124.75490	121.31648	118.05418	114.95262
.300	95.03545	92.22940	89.57638	87.06127	84.67132	82.39567
.325	71.72262	69.57564	67.54275	65.61270	63.77602	62.02462
.350	56.24261	54.53719	52.92018	51.38285	49.91788	48.51903
.375	45.47235	44.07687	42.75202	41.49083	40.28747	39.13694
.400	37.68635	36.51682	35.40517	34.34568	33.33355	32.36472
.425	31.87539	30.87589	29.92480	29.01735	28.14950	27.31786
.450	27.42045	26.55233	25.72543	24.93565	24.17958	23.45430
.475	23.92609	23.16181	22.43313	21.73652	21.06900	20.42807
.500	21.13078	20.45018	19.80072	19.17928	18.58329	18.01054
.525	18.85624	18.24420	17.65969	17.09996	16.56271	16.04599
.550	16.97769	16.42266	15.89219	15.38384	14.89553	14.42554
.575	15.40572	14.89870	14.41379	13.94875	13.50176	13.07122
.600	14.07498	13.60885	13.16276	12.73468	12.32293	11.92609
.650	11.95418	11.55376	11.17012	10.80154	10.44660	10.10413
.700	10.34877	9.99864	9.66283	9.33988	9.02858	8.72789
.750	9.09797	8.78741	8.48928	8.20230	7.92543	7.65776
.800	8.09995	7.82123	7.55346	7.29551	7.04644	6.80546
.850	7.28753	7.03496	6.79213	6.55804	6.33185	6.11286
.900	6.61488	6.38412	6.16212	5.94797	5.74091	5.54031
.950	6.04980	5.83748	5.63311	5.43585	5.24502	5.06003
1.000	5.56906	5.37253	5.18326	5.00049	4.82357	4.65199
1.100	4.79638	4.62546	4.46069	4.30143	4.14714	3.99736
1.200	4.20402	4.05292	3.90715	3.76614	3.62943	3.49661
1.300	3.73641	3.60110	3.47046	3.34402	3.22134	3.10209
1.400	3.35843	3.23597	3.11768	3.00311	2.89190	2.78373
1.500	3.04686	2.93507	2.82703	2.72233	2.62065	2.52170
1.600	2.78580	2.68300	2.58360	2.48724	2.39360	2.30244
1.700	2.56401	2.46888	2.37687	2.28763	2.20088	2.11639
1.800	2.37331	2.28482	2.19918	2.11610	2.03530	1.95659
1.900	2.20765	2.12494	2.04487	1.96716	1.89157	1.81790
2.000	2.06243	1.98480	1.90963	1.83666	1.76565	1.69642
2.200	1.81990	1.75081	1.68387	1.61884	1.55553	1.49378
2.400	1.62551	1.56330	1.50299	1.44437	1.38728	1.33156
2.600	1.46625	1.40970	1.35485	1.30152	1.24955	1.19882
2.800	1.33343	1.28161	1.23133	1.18243	1.13475	1.08819
3.000	1.22096	1.17317	1.12678	1.08163	1.03761	.99460
3.200	1.12452	1.08019	1.03713	.99523	.95434	.91439
3.400	1.04091	0.99958	0.95943	0.92034	0.88219	0.84490
3.600	0.96774	0.92904	0.89143	0.85481	0.81905	0.78410
3.800	0.90316	0.86679	0.83143	0.79698	0.76335	0.73046
4.000	0.84575	0.81145	0.77809	0.74559	0.71385	0.68280
4.500	0.72670	0.69670	0.66751	0.63905	0.61124	0.58401
5.000	0.63353	0.60690	0.58098	0.55568	0.53095	0.50674
5.500	0.55863	0.53472	0.51142	0.48868	0.46643	0.44464
6.000	0.49711	0.47544	0.45430	0.43365	0.41345	0.39365
6.500	0.44570	0.42589	0.40656	0.38767	0.36917	0.35104
7.000	0.40209	0.38386	0.36606	0.34866	0.33162	0.31491
7.500	0.36465	0.34777	0.33129	0.31517	0.29938	0.28388
8.000	0.33215	0.31645	0.30112	0.28610	0.27139	0.25695

$T^* \frac{dB^*}{dT^*}$ *for the (9, 6, 8) potential function*—Continued

T*	γ					
	0	1.	2.	3.	4.	5.
8.500	0.30368	0.28902	0.27468	0.26064	0.24688	0.23337
9.000	0.27855	0.26479	0.25134	0.23816	0.22523	0.21254
9.500	0.25619	0.24325	0.23058	0.21816	0.20598	0.19402
10.000	0.23619	0.22397	0.21200	0.20027	0.18875	0.17744
11.000	0.20189	0.19091	0.18015	0.16959	0.15922	0.14902
12.000	0.17358	0.16362	0.15385	0.14426	0.13483	0.12555
13.000	0.14982	0.14072	0.13178	0.12300	0.11436	0.10586
14.000	0.12962	0.12124	0.11301	0.10492	0.09696	0.08912
15.000	0.11224	0.10449	0.09687	0.08937	0.08198	0.07471
16.000	0.09715	0.08993	0.08284	0.07585	0.06897	0.06219
17.000	0.08393	0.07718	0.07054	0.06400	0.05756	0.05121
18.000	0.07226	0.06592	0.05969	0.05354	0.04749	0.04152
19.000	0.06189	0.05592	0.05004	0.04425	0.03854	0.03291
20.000	0.05263	0.04697	0.04141	0.03593	0.03053	0.02521
22.000	0.03681	0.03169	0.02666	0.02171	0.01684	0.01203
24.000	.02384	.01914	.01454	.01002	.00557	.00118
26.000	.01258	.00869	.00444	.00027	−.00383	−.00787
28.000	.00331	−.00011	−.00408	−.00797	−.01177	−.01552
30.000	−.00463	−.00818	−.01134	−.01499	−.01855	−.02205
32.000	−.01148	−.01479	−.01809	−.02102	−.02439	−.02768
34.000	−.01746	−.02055	−.02364	−.02624	−.02944	−.03256
36.000	−.02270	−.02561	−.02851	−.03140	−.03385	−.03682
38.000	−.02734	−.03007	−.03281	−.03554	−.03825	−.04055
40.000	−.03145	−.03404	−.03663	−.03922	−.04179	−.04384
45.000	−.03995	−.04223	−.04452	−.04681	−.04908	−.05134
50.000	−.04652	−.04856	−.05062	−.05267	−.05472	−.05675
55.000	−.05171	−.05356	−.05543	−.05730	−.05916	−.06101
60.000	−.05589	−.05758	−.05929	−.06101	−.06272	−.06442
65.000	−.05928	−.06085	−.06244	−.06403	−.06562	−.06719
70.000	−.06209	−.06355	−.06503	−.06651	−.06799	−.06947
75.000	−.06442	−.06579	−.06718	−.06857	−.06997	−.07135
80.000	−.06637	−.06767	−.06898	−.07030	−.07161	−.07292
85.000	−.06802	−.06925	−.07050	−.07175	−.07300	−.07424
90.000	−.06942	−.07059	−.07178	−.07298	−.07417	−.07535
95.000	−.07061	−.07173	−.07287	−.07402	−.07516	−.07629
100.000	−.07163	−.07271	−.07381	−.07491	−.07600	−.07709
125.000	−.07494	−.07587	−.07680	−.07774	−.07868	−.07960
150.000	−.07648	−.07731	−.07816	−.07900	−.07983	−.08066
175.000	−.07711	−.07788	−.07867	−.07945	−.08022	−.08098
200.000	−.07723	−.07797	−.07872	−.07945	−.08018	−.08089

$T^* \frac{dB^*}{dT^*}$ *for the (10, 6, 8) potential function*

T^*	γ						
	0.	1.	2.	3.	4.		
.250	180.93099	171.92168	163.77340	156.35323	149.55892		
.275	121.93115	115.75682	110.15615	105.04127	100.34471		
.300	87.57715	83.07073	78.97139	75.21716	71.76051		
.325	66.05619	62.60530	59.45768	56.56736	53.89915		
.350	51.77131	49.02806	46.51955	44.21030	42.07319		
.375	41.83618	39.58987	37.53093	35.63108	33.86876		
.400	34.65642	32.77262	31.04116	29.44192	27.95428		
.425	29.29974	27.68885	26.20608	24.83212	23.55226		
.450	25.19441	23.79451	22.50354	21.30505	20.18655		
.475	21.97528	20.74222	19.60313	18.54381	17.55348		
.500	19.40093	18.30237	17.28589	16.33908	15.45251		
.525	17.30678	16.31847	15.40265	14.54832	13.74717		
.550	15.57770	14.68110	13.84911	13.07191	12.34209		
.575	14.13120	13.31186	12.55059	11.83854	11.16904		
.600	12.90698	12.15346	11.45252	10.79612	10.17821		
.650	10.95661	10.30896	9.70519	9.13857	8.60404		
.700	9.48089	8.91428	8.38507	7.88749	7.41721		
.750	8.33161	7.82879	7.35839	6.91538	6.49598		
.800	7.41493	6.96350	6.54055	6.14165	5.76346		
.850	6.66898	6.25975	5.87584	5.51328	5.16909		
.900	6.05157	5.67755	5.32626	4.99413	4.67845		
.950	5.53304	5.18882	4.86518	4.55886	4.26742		
1.000	5.09202	4.77332	4.47339	4.18923	3.91863		
1.100	4.38344	4.10613	3.84471	3.59662	3.35998		
1.200	3.84046	3.59521	3.36369	3.14367	2.93350		
1.300	3.41198	3.19228	2.98462	2.78704	2.59809		
1.400	3.06574	2.86685	2.67866	2.49943	2.32784		
1.500	2.78041	2.59881	2.42680	2.26283	2.10571		
1.600	2.54140	2.37436	2.21602	2.06495	1.92007		
1.700	2.33838	2.18378	2.03712	1.89709	1.76271		
1.800	2.16386	2.02000	1.88344	1.75297	1.62769		
1.900	2.01228	1.87779	1.75005	1.62794	1.51060		
2.000	1.87941	1.75318	1.63320	1.51845	1.40813		
2.200	1.65756	1.54517	1.43825	1.33587	1.23736		
2.400	1.47978	1.37855	1.28215	1.18978	1.10082		
2.600	1.33416	1.24211	1.15438	1.07026	.98919		
2.800	1.21271	1.12835	1.04790	.97069	.89624		
3.000	1.10990	1.03207	.95779	.88647	.81766		
3.200	1.02174	.94952	.88056	.81431	.75035		
3.400	.94531	.87797	.81363	.75179	.69206		
3.600	.87842	.81536	.75507	.69710	.64108		
3.800	.81939	.76011	.70341	.64886	.59613		
4.000	.76692	.71100	.65749	.60599	.55619		
4.500	.65811	.60918	.56231	.51715	.47345		
5.000	.57294	.52950	.48783	.44766	.40875		
5.500	.50448	.46544	.42797	.39182	.35678		
6.000	.44824	.41283	.37882	.34596	.31411		
6.500	.40124	.36886	.33773	.30764	.27845		
7.000	.36136	.33156	.30288	.27514	.24822		
7.500	.32712	.29953	.27295	.24723	.22225		

$T^* \frac{dB^*}{dT^*}$ *for the (10, 6, 8) potential function*—Continued

T*	γ						
	0.	1.	2.	3.	4.		
8.000	.29740	.27172	.24697	.22301	.19972		
8.500	.27136	.24736	.22421	.20178	.17998		
9.000	.24837	.22585	.20411	.18304	.16255		
9.500	.22792	.20671	.18623	16637	.14705		
10.000	.20961	.18958	.17023	.15145	.13317		
11.000	.17822	.16021	.14279	.12586	.10937		
12.000	.15230	.13596	.12012	.10473	.08972		
13.000	.13055	.11560	.10110	.08699	.07323		
14.000	.11205	.09828	.08491	.07190	.05920		
15.000	.09612	.08338	.07099	.05891	.04712		
16.000	.08228	.07042	.05888	.04762	.03662		
17.000	.07015	.05907	.04827	.03773	.02742		
18.000	.05944	.04904	.03889	.02899	.01930		
19.000	.04991	.04012	.03056	.02122	.01207		
20.000	.04139	.03214	.02310	.01426	.00561		
22.000	.02681	.01848	.01033	.00236	−.00545		
24.000	.01480	.00723	−.00018	−.00744	−.01456		
26.000	.00477	−.00217	−.00897	−.01563	−.02217		
28.000	−.00370	−.01013	−.01641	−.02257	−.02862		
30.000	−.01095	−.01694	−.02278	−.02851	−.03413		
32.000	−.01719	−.02281	−.02828	−.03364	−.03889		
34.000	−.02261	−.02792	−.03307	−.03810	−.04304		
36.000	−.02734	−.03240	−.03727	−.04202	−.04668		
38.000	−.03149	−.03633	−.04097	−.04547	−.04988		
40.000	−.03575	−.03981	−.04424	−.04854	−.05273		
45.000	−.04357	−.04691	−.05096	−.05482	−.05857		
50.000	−.04962	−.05305	−.05606	−.05962	−.06305		
55.000	−.05441	−.05752	−.06062	−.06334	−.06653		
60.000	−.05826	−.06111	−.06396	−.06625	−.06926		
65.000	−.06140	−.06404	−.06668	−.06929	−.07141		
70.000	−.06398	−.06645	−.06891	−.07135	−.07376		
75.000	−.06614	−.06845	−.07077	−.07306	−.07532		
80.000	−.06794	−.07013	−.07232	−.07448	−.07662		
85.000	−.06947	−.07155	−.07362	−.07568	−.07770		
90.000	−.07076	−.07275	−.07473	−.07668	−.07861		
95.000	−.07187	−.07377	−.07566	−.07754	−.07938		
100.000	−.07281	−.07464	−.07646	−.07826	−.08002		
125.000	−.07588	−.07744	−.07899	−.08052	−.08201		
150.000	−.07731	−.07871	−.08010	−.08146	−.08278		
175.000	−.07789	−.07920	−.08048	−.08172	−.08293		
200.000	−.07800	−.07925	−.08046	−.08162	−.08275		

$T^* \frac{dB^*}{dT^*}$ *for the (11, 6, 8) potential function*

T*	γ					
	0.	1.	1.5	2.0	2.5	3.0
.250	168.62690	157.48533	152.44612	147.71271	143.25584	139.05048
.275	113.59996	105.95624	102.48842	99.22460	96.14548	93.23461
.300	81.56649	75.98204	73.44094	71.04470	68.77977	66.63458
.325	61.50358	57.22321	55.26999	53.42473	51.67739	50.01945
.350	48.18930	44.78375	43.22559	41.75099	40.35223	39.02276
.375	38.93108	36.14027	34.86021	33.64681	32.49395	31.39644
.400	32.24180	29.89969	28.82295	27.80074	26.82806	25.90069
.425	27.25198	25.24787	24.32455	23.44675	22.61032	21.81174
.450	23.42849	21.68583	20.88137	20.11559	19.38494	18.68645
.475	20.43087	18.89506	18.18479	17.50784	16.86119	16.24225
.500	18.03405	16.66506	16.03088	15.42577	14.84709	14.29260
.525	16.08462	14.85245	14.28075	13.73471	13.21197	12.71056
.550	14.47526	13.35695	12.83732	12.34054	11.86450	11.40745
.575	13.12911	12.10675	11.63108	11.17590	10.73935	10.31984
.600	11.98997	11.04941	10.61124	10.19161	9.78882	9.40143
.650	10.17549	9.36653	8.98881	8.62654	8.27829	7.94285
.700	8.80290	8.09476	7.76347	7.44531	7.13906	6.84370
.750	7.73416	7.10544	6.81079	6.52750	6.25450	5.99091
.800	6.88188	6.31717	6.05211	5.79701	5.55093	5.31309
.850	6.18847	5.67634	5.43564	5.20376	4.97988	4.76330
.900	5.61463	5.14641	4.92607	4.71364	4.50836	4.30963
.950	5.13277	4.70171	4.49864	4.30271	4.11325	3.92968
1.000	4.72299	4.32378	4.13552	3.95376	3.77788	3.60737
1.100	4.06472	3.71717	3.55299	3.39429	3.24056	3.09134
1.200	3.56039	3.25290	3.10742	2.96667	2.83019	2.69759
1.300	3.16249	2.88693	2.75639	2.62999	2.50732	2.38804
1.400	2.84100	2.59147	2.47312	2.35845	2.24708	2.13872
1.500	2.57611	2.34819	2.23999	2.13508	2.03313	1.93387
1.600	2.35424	2.14454	2.04491	1.94825	1.85426	1.76271
1.700	2.16580	1.97167	1.87937	1.78977	1.70261	1.61766
1.800	2.00383	1.82315	1.73718	1.65370	1.57245	1.49322
1.900	1.86315	1.69421	1.61378	1.53564	1.45955	1.38534
2.000	1.73985	1.58125	1.50569	1.43225	1.36073	1.29094
2.200	1.53399	1.39273	1.32537	1.25985	1.19600	1.13366
2.400	1.36903	1.24176	1.18101	1.12189	1.06425	1.00793
2.600	1.23392	1.11816	1.06286	1.00902	.95650	.90516
2.800	1.12124	1.01513	.96439	.91498	.86675	.81959
3.000	1.02586	.92793	.88108	.83543	.79086	.74726
3.200	.94406	.85318	.80967	.76727	.72585	.68532
3.400	.87316	.78839	.74779	.70821	.66953	.63167
3.600	.81110	.73170	.69366	.65655	.62028	.58476
3.800	.75633	.68168	.64589	.61097	.57683	.54340
4.000	.70765	.63722	.60343	.57047	.53823	.50665
4.500	.60669	.54503	.51543	.48652	.45823	.43051
5.000	.52766	.47289	.44656	.42084	.39566	.37097
5.500	.46412	.41489	.39121	.36806	.34538	.32314
6.000	.41193	.36725	.34574	.32471	.30410	.28387
6.500	.36829	.32743	.30774	.28847	.26959	.25105
7.000	.33128	.29364	.27549	.25773	.24032	.22322
7.500	.29948	.26462	.24780	.23133	.21518	.19931

$T^* \frac{dB^*}{dT^*}$ *for the (11, 6, 8) potential function* – Continued

T*	γ					
	0.	1.	1.5	2.0	2.5	3.0
8.000	.27188	.23943	.22376	.20841	.19336	.17856
8.500	.24770	.21736	.20270	.18833	.17424	.16038
9.000	.22634	.19786	.18409	.17060	.15735	.14432
9.500	.20734	.18052	.16754	.15482	.14233	.13004
10.000	.19033	.16499	.15272	.14069	.12888	.11725
11.000	.16116	.13836	.12731	.11646	.10581	.09532
12.000	.13707	.11636	.10631	.09645	.08675	.07720
13.000	.11684	.09789	.08868	.07964	.07075	.06199
14.000	.09963	.08217	.07368	.06534	.05713	.04905
15.000	.08482	.06864	.06077	.05303	.04541	.03790
16.000	.07194	.05687	.04954	.04232	.03522	.02822
17.000	.06065	.04656	.03969	.03294	.02628	.01972
18.000	.05067	.03744	.03099	.02464	.01839	.01222
19.000	.04180	.02934	.02326	.01727	.01136	.00554
20.000	.03386	.02208	.01633	.01067	.00508	−.00043
22.000	.02026	.00966	.00447	−.00064	−.00568	−.01066
24.000	.00905	−.00058	−.00530	−.00995	−.01455	−.01908
26.000	−.00032	−.00915	−.01347	−.01774	−.02196	−.02613
28.000	−.00826	−.01640	−.02040	−.02435	−.02824	−.03210
30.000	−.01507	−.02262	−.02633	−.03000	−.03362	−.03721
32.000	−.02095	−.02800	−.03147	−.03489	−.03827	−.04162
34.000	−.02607	−.03269	−.03594	−.03915	−.04233	−.04547
36.000	−.03057	−.03681	−.03987	−.04289	−.04589	−.04884
38.000	−.03455	−.04044	−.04334	−.04620	−.04903	−.05183
40.000	−.03807	−.04368	−.04642	−.04914	−.05182	−.05447
45.000	−.04533	−.05034	−.05278	−.05519	−.05758	−.05993
50.000	−.05088	−.05548	−.05769	−.05987	−.06202	−.06414
55.000	−.05521	−.05951	−.06155	−.06355	−.06551	−.06745
60.000	−.05861	−.06271	−.06462	−.06648	−.06830	−.07009
65.000	−.06220	−.06527	−.06709	−.06885	−.07055	−.07222
70.000	−.06464	−.06732	−.06908	−.07076	−.07238	−.07396
75.000	−.06667	−.06966	−.07069	−.07231	−.07387	−.07537
80.000	−.06838	−.07120	−.07199	−.07357	−.07508	−.07652
85.000	−.06982	−.07250	−.07383	−.07459	−.07606	−.07746
90.000	−.07105	−.07361	−.07487	−.07612	−.07685	−.07822
95.000	−.07210	−.07455	−.07576	−.07695	−.07749	−.07883
100.000	−.07299	−.07535	−.07651	−.07766	−.07879	−.07932
125.000	−.07592	−.07793	−.07892	−.07989	−.08085	−.08179
150.000	−.07731	−.07911	−.07999	−.08085	−.08170	−.08253
175.000	−.07789	−.07956	−.08037	−.08116	−.08193	−.08268
200.000	−.07803	−.07961	−.08037	−.08110	−.08182	−.08253

$T^* \frac{dB^*}{dT^*}$ *for the (12, 6, 8) potential function*

T*	γ					
	0.	0.5	1.0	1.5	2.0	2.5
.250	158.42230	151.90684	145.90130	140.34209	135.17765	130.36530
.275	106.70863	102.23918	98.10906	94.27642	90.70733	87.37373
.300	76.60726	73.34238	70.31798	67.50465	64.87856	62.42007
.325	57.75641	55.25435	52.93119	50.76518	48.73873	46.83735
.350	45.24772	43.25737	41.40529	39.67473	38.05220	36.52657
.375	36.55049	34.91970	33.39911	31.97540	30.63787	29.37770
.400	30.26708	28.89873	27.62041	26.42128	25.29262	24.22725
.425	25.58040	24.40972	23.31415	22.28465	21.31395	20.39610
.450	21.98948	20.97170	20.01766	19.11970	18.27166	17.46851
.475	19.17441	18.27757	17.43564	16.64201	15.89138	15.17942
.500	16.92369	16.12440	15.37300	14.66372	13.99193	13.35387
.525	15.09322	14.37391	13.69684	13.05689	12.45000	11.87284
.550	13.58216	12.92941	12.31425	11.73213	11.17942	10.65316
.575	12.31829	11.72163	11.15871	10.62543	10.11854	9.63537
.600	11.24885	10.70000	10.18164	9.69008	9.22236	8.77606
.650	9.54551	9.07356	8.62701	8.20275	7.79831	7.41170
.700	8.25712	7.84407	7.45262	7.08011	6.72443	6.38387
.750	7.25401	6.88736	6.53938	6.20776	5.89068	5.58665
.800	6.45414	6.12487	5.81197	5.51341	5.22758	4.95316
.850	5.80341	5.50484	5.22080	4.94947	4.68941	4.43947
.900	5.26492	4.99198	4.73207	4.48353	4.24508	4.01567
.950	4.81276	4.56152	4.32205	4.09285	3.87276	3.66082
1.000	4.42826	4.19561	3.97367	3.76108	3.55677	3.35986
1.100	3.81064	3.60814	3.41468	3.22911	3.05050	2.87813
1.200	3.33749	3.15836	2.98701	2.82245	2.66389	2.51067
1.300	2.96420	2.80369	2.65000	2.50224	2.35972	2.22186
1.400	2.66262	2.51729	2.37800	2.24397	2.11457	1.98930
1.500	2.41414	2.28141	2.15409	2.03149	1.91303	1.79826
1.600	2.20602	2.08391	1.96671	1.85375	1.74455	1.63867
1.700	2.02926	1.91623	1.80766	1.70298	1.60169	1.50344
1.800	1.87733	1.77213	1.67104	1.57351	1.47909	1.38745
1.900	1.74537	1.64702	1.55245	1.46117	1.37276	1.28691
2.000	1.62972	1.53739	1.44857	1.36279	1.27968	1.19893
2.200	1.43663	1.35440	1.27524	1.19872	1.12451	1.05237
2.400	1.28190	1.20782	1.13644	1.06740	1.00041	.93523
2.600	1.15517	1.08779	1.02283	.95996	.89891	.83949
2.800	1.04948	.98772	.92813	.87043	.81438	.75979
3.000	.96000	.90301	.84799	.79469	.74289	.69241
3.200	.88328	.83038	.77930	.72979	.68164	.63471
3.400	.81676	.76743	.71976	.67355	.62859	.58475
3.600	.75854	.71233	.66767	.62434	.58218	.54106
3.800	.70716	.66371	.62170	.58093	.54125	.50253
4.000	.66148	.62049	.58084	.54235	.50488	.46830
4.500	.56675	.53087	.49613	.46238	.42950	.39738
5.000	.49260	.46071	.42983	.39980	.37053	.34192
5.500	.43296	.40431	.37652	.34950	.32314	.29736
6.000	.38397	.35796	.33274	.30818	.28422	.26077
6.500	.34301	.31922	.29612	.27364	.25168	.23019
7.000	.30826	.28634	.26506	.24433	.22408	.20425
7.500	.27840	.25810	.23838	.21915	.20037	.18197

$T^* \frac{dB^*}{dT^*}$ *for the (12, 6, 8) potential function*—Continued

T*	γ					
	0.	0.5	1.0	1.5	2.0	2.5
8.000	.25248	.23358	.21521	.19729	.17978	.16262
8.500	.22977	.21209	.19491	.17814	.16174	.14567
9.000	.20970	.19311	.17697	.16122	.14581	.13070
9.500	.19185	.17622	.16101	.14616	.13163	.11738
10.000	.17587	.16110	.14672	.13268	.11893	.10545
11.000	.14845	.13516	.12221	.10955	.09715	.08499
12.000	.12580	.11373	.10195	.09044	.07916	.06808
13.000	.10678	.09573	.08494	.07439	.06404	.05388
14.000	.09059	.08041	.07046	.06072	.05117	.04179
15.000	.07665	.06722	.05799	.04896	.04009	.03138
16.000	.06453	.05574	.04715	.03872	.03046	.02233
18.000	.04450	.03679	.02923	.02182	.01453	.00737
20.000	.02866	.02179	.01505	.00844	.00194	−.00447
22.000	.01585	.00966	.00358	−.00239	−.00826	−.01404
24.000	.00528	−.00035	−.00587	−.01131	−.01666	−.02193
26.000	−.00356	−.00872	−.01379	−.01878	−.02369	−.02853
28.000	−.01106	−.01582	−.02050	−.02511	−.02965	−.03412
30.000	−.01749	−.02191	−.02626	−.03054	−.03476	−.03892
32.000	−.02306	−.02718	−.03123	−.03523	−.03917	−.04306
34.000	−.02791	−.03177	−.03558	−.03933	−.04303	−.04668
36.000	−.03218	−.03581	−.03939	−.04293	−.04641	−.04985
38.000	−.03595	−.03938	−.04277	−.04611	−.04940	−.05265
40.000	−.03931	−.04256	−.04577	−.04893	−.05206	−.05514
45.000	−.04626	−.04913	−.05197	−.05478	−.05755	−.06028
50.000	−.05165	−.05423	−.05678	−.05931	−.06179	−.06425
55.000	−.05592	−.05827	−.06059	−.06288	−.06515	−.06739
60.000	−.05936	−.06152	−.06365	−.06576	−.06784	−.06990
65.000	−.06218	−.06418	−.06615	−.06811	−.07003	−.07194
70.000	−.06450	−.06637	−.06822	−.07004	−.07184	−.07361
75.000	−.06645	−.06820	−.06993	−.07164	−.07333	−.07500
80.000	−.06808	−.06974	−.07138	−.07299	−.07458	−.07615
85.000	−.06947	−.07104	−.07259	−.07412	−.07563	−.07712
90.000	−.07065	−.07215	−.07363	−.07509	−.07652	−.07794
95.000	−.07166	−.07309	−.07451	−.07590	−.07728	−.07863
100.000	−.07252	−.07390	−.07526	−.07660	−.07792	−.07921
125.000	−.07538	−.07655	−.07771	−.07820	−.07953	−.08076
150.000	−.07675	−.07781	−.07883	−.07984	−.08081	−.08111
175.000	−.07736	−.07834	−.07928	−.08019	−.08108	−.08195
200.000	−.07754	−.07846	−.07935	−.08020	−.08103	−.08183

$T^* \frac{dB^*}{dT^*}$ *for the (13, 6, 8) potential function*

T*	γ						
	0.	0.8	1.0	1.5	2.0		
.250	149.80669	138.87288	136.37864	130.50499	125.09673		
.275	100.90290	93.38927	91.67010	87.61364	83.86816		
.300	72.43791	66.94009	65.67850	62.69592	59.93445		
.325	54.61224	50.39237	49.42135	47.12145	44.98642		
.350	42.78406	39.42235	38.64679	36.80661	35.09405		
.375	34.56013	31.80204	31.16419	29.64826	28.23416		
.400	28.61874	26.30164	25.76457	24.48620	23.29107		
.425	24.18721	22.20261	21.74165	20.64286	19.61353		
.450	20.79182	19.06462	18.66267	17.70328	16.80284		
.475	18.13004	16.60665	16.25149	15.40276	14.60478		
.500	16.00191	14.64301	14.32568	13.56649	12.85153		
.525	14.27113	13.04724	12.76100	12.07547	11.42891		
.550	12.84237	11.73090	11.47058	10.84653	10.25714		
.575	11.64735	10.63069	10.39226	9.82017	9.27916		
.600	10.63616	9.70036	9.48062	8.95295	8.45334		
.650	9.02560	8.21999	8.03041	7.57447	7.14183		
.700	7.80738	7.10162	6.93522	6.53449	6.15352		
.750	6.85890	6.23187	6.08378	5.72673	5.38673		
.800	6.10258	5.53904	5.40575	5.08405	4.77726		
.850	5.48728	4.97594	4.85483	4.56227	4.28291		
.900	4.97811	4.51038	4.39947	4.13132	3.87497		
.950	4.55056	4.11977	4.01751	3.77010	3.53331		
1.000	4.18698	3.78787	3.69303	3.46343	3.24348		
1.100	3.60296	3.25526	3.17250	2.97191	2.77943		
1.200	3.15554	2.84774	2.77437	2.59636	2.42531		
1.300	2.80254	2.52656	2.46070	2.30077	2.14690		
1.400	2.51735	2.26732	2.20759	2.06244	1.92265		
1.500	2.28236	2.05390	1.99927	1.86643	1.73838		
1.600	2.08554	1.87527	1.82495	1.70252	1.58441		
1.700	1.91837	1.72365	1.67702	1.56350	1.45392		
1.800	1.77468	1.59340	1.54995	1.44416	1.34196		
1.900	1.64987	1.48033	1.43967	1.34062	1.24489		
2.000	1.54049	1.38127	1.34307	1.24997	1.15994		
2.200	1.35785	1.21599	1.18191	1.09882	1.01839		
2.400	1.21150	1.08362	1.05288	.97788	.90523		
2.600	1.09161	.97526	.94727	.87894	.81271		
2.800	.99163	.88493	.85924	.79651	.73567		
3.000	.90698	.80848	.78475	.72679	.67054		
3.200	.83439	.74294	.72090	.66704	.61475		
3.400	.77146	.68614	.66557	.61528	.56643		
3.600	.71637	.63643	.61715	.56999	.52417		
3.800	.66775	.59257	.57442	.53004	.48690		
4.000	.62453	.55357	.53645	49454	.45378		
4.500	.53488	.47272	.45770	.42094	.38516		
5.000	.46468	.40943	.39607	.36335	.33148		
5.500	.40823	.35854	.34651	.31705	.28834		
6.000	.36185	.31673	.30580	.27902	.25291		
6.500	.32306	.28176	.27176	.24722	.22329		
7.000	.29015	.25209	.24287	.22024	.19816		
7.500	.26187	.22660	.21805	.19706	.17657		

$T^* \frac{dB^*}{dT^*}$ *for the (13, 6, 8) potential function* — Continued

T^*	γ						
	0.	0.8	1.0	1.5	2.0		
8.000	.23732	.20447	.19650	.17693	.15782		
8.500	.21580	.18507	.17761	.15929	.14139		
9.000	.19679	.16793	.16092	.14370	.12688		
9.500	.17987	.15267	.14606	.12983	.11396		
10.000	.16472	.13901	.13276	.11741	.10239		
11.000	.13873	.11558	.10994	.09609	.08255		
12.000	.11725	.09620	.09108	.07847	.06614		
13.000	.09921	.07993	.07523	.06367	.05236		
14.000	.08385	.06607	.06174	.05107	.04062		
15.000	.07062	.05414	.05011	.04021	.03051		
16.000	.05912	.04375	.04000	.03077	.02171		
17.000	.04902	.03464	.03113	.02248	.01400		
18.000	.04010	.02659	.02329	.01516	.00718		
19.000	.03216	.01942	.01631	.00864	.00111		
20.000	.02505	.01301	.01006	.00280	−.00433		
22.000	.01287	.00201	−.00065	−.00721	−.01365		
24.000	.00282	−.00707	−.00949	−.01546	−.02133		
26.000	−.00560	−.01466	−.01689	−.02237	−.02776		
28.000	−.01274	−.02111	−.02316	−.02823	−.03322		
30.000	−.01887	−.02664	−.02855	−.03326	−.03789		
32.000	−.02417	−.03143	−.03321	−.03761	−.04194		
34.000	−.02880	−.03560	−.03728	−.04140	−.04547		
36.000	−.03287	−.03928	−.04085	−.04474	−.04857		
38.000	−.03648	−.04253	−.04402	−.04769	−.05131		
40.000	−.03968	−.04542	−.04683	−.05032	−.05375		
45.000	−.04633	−.05141	−.05266	−.05575	−.05879		
50.000	−.05149	−.05606	−.05718	−.05996	−.06270		
55.000	−.05559	−.05974	−.06076	−.06329	−.06578		
60.000	−.05889	−.06271	−.06365	−.06597	−.06826		
65.000	−.06160	−.06514	−.06601	−.06816	−.07028		
70.000	−.06384	−.06715	−.06796	−.06997	−.07194		
75.000	−.06571	−.06882	−.06959	−.07147	−.07332		
80.000	−.06728	−.07023	−.07095	−.07273	−.07448		
85.000	−.06860	−.07142	−.07210	−.07379	−.07545		
90.000	−.06973	−.07243	−.07308	−.07469	−.07627		
95.000	−.07068	−.07329	−.07392	−.07546	−.07696		
100.000	−.07149	−.07403	−.07463	−.07611	−.07756		
125.000	−.07398	−.07635	−.07689	−.07818	−.07942		
150.000	−.07583	−.07726	−.07779	−.07902	−.08015		
175.000	−.07647	−.07734	−.07789	−.07915	−.08026		
200.000	−.07670	−.07828	−.07866	−.07883	−.07998		

$T^* \frac{dB^*}{dT^*}$ *for the (14, 6, 8) potential function*

T*	γ						
	0.	0.2	0.4	0.6	0.8	1.0	1.5
.250	142.42496	139.38666	136.47251	133.67431	130.98471	128.39708	122.33611
.275	95.93759	93.85162	91.84815	89.92183	88.06780	86.28173	82.08897
.300	68.87822	67.35331	65.88679	64.47491	63.11427	61.80183	58.71419
.325	51.93223	50.76284	49.63684	48.55145	47.50417	46.49275	44.10832
.350	40.68732	39.75657	38.85931	37.99339	37.15692	36.34817	34.43773
.375	32.86863	32.10565	31.36932	30.65795	29.97001	29.30416	27.72838
.400	27.21979	26.57931	25.96058	25.36223	24.78301	24.22182	22.89142
.425	23.00630	22.45814	21.92810	21.41503	20.91792	20.43582	19.29110
.450	19.77782	19.30110	18.83973	18.39276	17.95930	17.53859	16.53812
.475	17.24681	16.82661	16.41963	16.02503	15.64205	15.27005	14.38418
.500	15.22313	14.84854	14.48546	14.13317	13.79100	13.45839	12.66533
.525	13.57725	13.24006	12.91302	12.59548	12.28685	11.98664	11.26999
.550	12.21851	11.91247	11.61544	11.32685	11.04620	10.77302	10.12017
.575	11.08202	10.80222	10.53050	10.26636	10.00932	9.75898	9.16012
.600	10.12032	9.86289	9.61277	9.36948	9.13261	8.90179	8.34909
.650	8.58850	8.36708	8.15172	7.94205	7.73771	7.53839	7.06031
.700	7.42975	7.23592	7.04724	6.86338	6.68404	6.50895	6.08838
.750	6.52753	6.35543	6.18778	6.02429	5.86470	5.70878	5.33375
.800	5.80805	5.65347	5.50278	5.35574	5.21210	5.07168	4.73354
.850	5.22268	5.08249	4.94575	4.81224	4.68175	4.55410	4.24639
.900	4.73824	4.61007	4.48499	4.36279	4.24330	4.12634	3.84416
.950	4.33145	4.21345	4.09825	3.98564	3.87547	3.76759	3.50709
1.000	3.98551	3.87623	3.76948	3.66511	3.56294	3.46286	3.22101
1.100	3.42977	3.33463	3.24164	3.15063	3.06148	2.97409	2.76262
1.200	3.00398	2.91981	2.83747	2.75685	2.67783	2.60031	2.41253
1.300	2.66803	2.59259	2.51877	2.44644	2.37550	2.30588	2.13707
1.400	2.39658	2.32827	2.26138	2.19582	2.13149	2.06832	1.91504
1.500	2.17290	2.11051	2.04939	1.98945	1.93062	1.87283	1.73248
1.600	1.98555	1.92814	1.87188	1.81669	1.76251	1.70925	1.57986
1.700	1.82641	1.77326	1.72116	1.67004	1.61982	1.57046	1.45044
1.800	1.68961	1.64014	1.59164	1.54403	1.49725	1.45125	1.33936
1.900	1.57079	1.52453	1.47917	1.43462	1.39085	1.34779	1.24301
2.000	1.46664	1.42321	1.38061	1.33877	1.29764	1.25717	1.15866
2.200	1.29274	1.25406	1.21609	1.17879	1.14211	1.10600	1.01804
2.400	1.15337	1.11852	1.08429	1.05065	1.01756	.98497	.90554
2.600	1.03921	1.00750	.97635	.94573	.91560	.88592	.81353
2.800	.94398	.91491	.88635	.85826	.83060	.80336	.73689
3.000	.86336	.83652	.81015	.78421	.75867	.73350	.67206
3.200	.79421	.76931	.74482	.72073	.69701	.67362	.61651
3.400	.73426	.71103	.68818	.66570	.64356	.62172	.56839
3.600	.68179	.66002	.63861	.61754	.59678	.57631	.52629
3.800	.63547	.61500	.59486	.57504	.55551	.53624	.48915
4.000	.59428	.57497	.55596	.53725	.51881	.50062	.45615
4.500	.50886	.49194	.47529	.45889	.44272	.42677	.38773
5.000	.44197	.42693	.41213	.39754	.38315	.36896	.33420
5.500	.38817	.37464	.36133	.34820	.33525	.32247	.29116
6.000	.34395	.33167	.31958	.30766	.29589	.28427	.25580
6.500	.30697	.29574	.28467	.27375	.26297	.25232	.22623
7.000	.27559	.26524	.25504	.24497	.23503	.22521	.20114
7.500	.24863	.23903	.22957	.22024	.21103	.20192	.17959

$T^* \frac{dB^*}{dT^*}$ *for the (14, 6, 8) potential function*—Continued

T^*	γ						
	0.	0.2	0.4	0.6	0.8	1.0	1.5
8.000	.22521	.21627	.20746	.19877	.19018	.18169	.16086
8.500	.20468	.19632	.18808	.17994	.17190	.16395	.14445
9.000	.18655	.17870	.17095	.16331	.15575	.14828	.12995
9.500	.17041	.16301	.15571	.14850	.14138	.13434	.11705
10.000	.15595	.14896	.14206	.13524	.12851	.12185	.10549
11.000	.13115	.12485	.11863	.11249	.10642	.10041	.08565
12.000	.11064	.10492	.09926	.09368	.08815	.08268	.06925
13.000	.09342	.08817	.08299	.07787	.07280	.06779	.05546
14.000	.07875	.07391	.06913	.06441	.05973	.05510	.04372
15.000	.06611	.06162	.05719	.05281	.04847	.04417	.03361
16.000	.05511	.05093	.04680	.04272	.03867	.03466	.02480
17.000	.04547	.04155	.03769	.03386	.03007	.02632	.01708
18.000	.03693	.03326	.02962	.02603	.02246	.01893	.01025
19.000	.02934	.02588	.02245	.01905	.01569	.01236	.00416
20.000	.02254	.01926	.01602	.01281	.00963	.00648	−.00128
22.000	.01088	.00793	.00500	.00210	−.00077	−.00361	−.01062
24.000	.00126	−.00143	−.00409	−.00673	−.00935	−.01194	−.01833
26.000	−.00680	−.00927	−.01172	−.01414	−.01654	−.01892	−.02478
28.000	−.01365	−.01593	−.01818	−.02042	−.02264	−.02484	−.03026
30.000	−.01952	−.02164	−.02374	−.02581	−.02788	−.02992	−.03497
32.000	−.02461	−.02659	−.02855	−.03049	−.03241	−.03432	−.03904
34.000	−.02906	−.03091	−.03275	−.03457	−.03637	−.03817	−.04259
36.000	−.03297	−.03471	−.03644	−.03816	−.03986	−.04155	−.04572
38.000	−.03643	−.03808	−.03972	−.04134	−.04295	−.04454	6.000
40.000	−.03952	−.04108	−.04263	−.04417	−.04569	−.04721	−.05094
45.000	−.04591	−.04730	−.04867	−.05003	−.05139	−.05273	−.05604
50.000	−.05089	−.05213	−.05337	−.05459	−.05581	−.05702	−.05999
55.000	−.05485	−.05598	−.05710	−.05822	−.05932	−.06042	−.06313
60.000	−.05805	−.05909	−.06012	−.06114	−.06216	−.06317	−.06565
65.000	−.06067	−.06164	−.06259	−.06354	−.06448	−.06541	−.06772
70.000	−.06285	−.06375	−.06464	−.06553	−.06640	−.06727	−.06942
75.000	−.06467	−.06552	−.06636	−.06719	−.06801	−.06883	−.07084
80.000	−.06622	−.06702	−.06781	−.06859	−.06937	−.07014	−.07204
85.000	−.06753	−.06829	−.06904	−.06978	−.07052	−.07125	−.07305
90.000	−.06865	−.06937	−.07009	−.07080	−.07150	−.07219	−.07390
95.000	−.06961	−.07031	−.07099	−.07167	−.07234	−.07300	−.07464
100.000	−.07045	−.07111	−.07177	−.07242	−.07306	−.07370	−.07526
125.000	−.07321	−.07378	−.07435	−.07490	−.07544	−.07598	−.07729
150.000	−.07453	−.07507	−.07559	−.07609	−.07658	−.07706	−.07822
175.000	−.07503	−.07558	−.07609	−.07657	−.07704	−.07749	−.07857
200.000	−.07502	−.07560	−.07613	−.07662	−.07709	−.07753	−.07857

$T^* \frac{dB^*}{dT^*}$ *for the (15, 6, 8) potential function*

T*	γ						
	0.	0.2	0.4	0.6	0.8	1.0	1.5
.250	136.02190	132.88079	129.87707	127.00118	124.24462	121.59974	115.43254
.275	91.63718	89.47883	87.41179	85.42979	83.52726	81.69919	77.42622
.300	65.79973	64.22072	62.70632	61.25214	59.85428	58.50926	55.35785
.325	49.61769	48.40599	47.24228	46.12332	45.04625	44.00848	41.57141
.350	38.87888	37.91386	36.98586	36.09240	35.23128	34.40055	32.44541
.375	31.41149	30.61997	29.85791	29.12333	28.41450	27.72987	26.11529
.400	26.01603	25.35127	24.71053	24.09222	23.49492	22.91737	21.55273
.425	21.99123	21.42203	20.87283	20.34231	19.82930	19.33274	18.15738
.450	18.90710	18.41188	17.93360	17.47115	17.02353	16.58985	15.56167
.475	16.48907	16.05240	15.63031	15.22183	14.82610	14.44236	13.53119
.500	14.55559	14.16619	13.78947	13.42460	13.07084	12.72753	11.91119
.525	12.98295	12.63233	12.29287	11.96385	11.64460	11.33455	10.59634
.550	11.68460	11.36626	11.05786	10.75871	10.46826	10.18597	9.51306
.575	10.59854	10.30743	10.02521	9.75130	9.48517	9.22636	8.60871
.600	9.67945	9.41156	9.15169	8.89932	8.65398	8.41523	7.84488
.650	8.21538	7.98486	7.76100	7.54337	7.33156	7.12523	6.63140
.700	7.10776	6.90589	6.70967	6.51872	6.33272	6.15135	5.71655
.750	6.24525	6.06596	5.89154	5.72167	5.55606	5.39444	5.00643
.800	5.55736	5.39628	5.23946	5.08662	4.93749	4.79186	4.44179
.850	4.99765	4.85153	4.70918	4.57035	4.43481	4.30236	3.98362
.900	4.53441	4.40078	4.27053	4.14343	4.01927	3.89786	3.60540
.950	4.14538	4.02233	3.90234	3.78518	3.67067	3.55864	3.28853
1.000	3.81451	3.70054	3.58934	3.48071	3.37449	3.27052	3.01964
1.100	3.28295	3.18370	3.08677	2.99202	2.89928	2.80844	2.58892
1.200	2.87563	2.78779	2.70195	2.61798	2.53574	2.45512	2.26007
1.300	2.55421	2.47547	2.39848	2.32312	2.24927	2.17683	2.00140
1.400	2.29447	2.22316	2.15339	2.08506	2.01807	1.95232	1.79295
1.500	2.08044	2.01528	1.95152	1.88903	1.82774	1.76757	1.62160
1.600	1.90114	1.84118	1.78248	1.72493	1.66846	1.61301	1.47837
1.700	1.74883	1.69331	1.63894	1.58562	1.53328	1.48185	1.35694
1.800	1.61789	1.56621	1.51558	1.46592	1.41715	1.36922	1.25273
1.900	1.50415	1.45583	1.40846	1.36199	1.31634	1.27147	1.16235
2.000	1.40446	1.35908	1.31459	1.27093	1.22804	1.18586	1.08324
2.200	1.23798	1.19755	1.15789	1.11896	1.08069	1.04304	.95137
2.400	1.10454	1.06810	1.03234	.99722	.96269	.92870	.84590
2.600	.99522	.96206	.92952	.89755	.86609	.83513	.75964
2.800	.90403	.87363	.84378	.81444	.78557	.75714	.68780
3.000	.82682	.79875	.77119	.74409	.71741	.69114	.62703
3.200	.76060	.73454	.70894	.68377	.65899	.63457	.57498
3.400	.70317	.67886	.65498	.63148	.60835	.58555	.52987
3.600	.65291	.63013	.60774	.58572	.56403	.54265	.49042
3.800	.60854	.58711	.56605	.54533	.52492	.50479	.45562
4.000	.56908	.54886	.52899	.50942	.49015	.47114	.42469
4.500	.48724	.46953	.45210	.43495	.41804	.40136	.36058
5.000	.42314	.40739	.39190	.37663	.36159	.34674	.31041
5.500	.37158	.35741	.34347	.32973	.31618	.30281	.27007
6.000	.32920	.31634	.30367	.29118	.27887	.26671	.23694
6.500	.29376	.28198	.27038	.25894	.24766	.23652	.20922
7.000	.26367	.25282	.24212	.23158	.22117	.21089	.18570
7.500	.23782	.22775	.21784	.20806	.19841	.18887	.16549

$T^* \frac{dB^*}{dT^*}$ *for the (15, 6, 8) potential function*—Continued

T*	γ						
	0.	0.2	0.4	0.6	0.8	1.0	1.5
8.000	.21536	.20598	.19675	.18763	.17863	.16974	.14794
8.500	.19567	.18690	.17825	.16972	.16130	.15297	.13255
9.000	.17828	.17004	.16191	.15390	.14598	.13815	.11895
9.500	.16280	.15503	.14737	.13981	.13234	.12496	.10685
10.000	.14893	.14158	.13434	.12719	.12013	.11315	.09601
11.000	.12513	.11851	.11198	.10554	.09916	.09286	.07739
12.000	.10545	.09943	.09349	.08762	.08183	.07609	.06200
13.000	.08891	.08340	.07795	.07257	.06725	.06199	.04906
14.000	.07482	.06974	.06471	.05975	.05484	.04998	.03804
15.000	.06269	.05797	.05330	.04870	.04414	.03963	.02854
16.000	.05212	.04772	.04338	.03908	.03483	.03062	.02027
17.000	.04285	.03873	.03466	.03064	.02665	.02271	.01301
18.000	.03465	.03078	.02695	.02317	.01942	.01571	.00659
19.000	.02735	.02370	.02009	.01652	.01299	.00948	.00087
20.000	.02081	.01736	.01394	.01056	.00722	.00390	−.00425
22.000	.00960	.00648	.00340	.00035	−.00267	−.00567	−.01304
24.000	.00034	−.00250	−.00531	−.00809	−.01084	−.01357	−.02029
26.000	−.00743	−.01003	−.01261	−.01516	−.01769	−.02020	−.02637
28.000	−.01402	−.01643	−.01881	−.02117	−.02351	−.02582	−.03153
30.000	−.01969	−.02192	−.02414	−.02633	−.02850	−.03065	−.03596
32.000	−.02459	−.02668	−.02875	−.03080	−.03283	−.03484	−.03980
34.000	−.02888	−.03084	−.03278	−.03470	−.03661	−.03850	−.04316
36.000	−.03266	−.03451	−.03633	−.03814	−.03994	−.04172	−.04611
38.000	−.03601	−.03775	−.03948	−.04119	−.04289	−.04457	−.04872
40.000	−.03899	−.04064	−.04228	−.04390	−.04551	−.04711	−.05105
45.000	−.04518	−.04664	−.04809	−.04953	−.05096	−.05237	−.05586
50.000	−.05000	−.05132	−.05262	−.05392	−.05520	−.05647	−.05090
55.000	−.05384	−.05504	−.05623	−.05740	−.05857	−.05973	−.06258
60.000	−.05695	−.05805	−.05914	−.06022	−.06130	−.06236	−.06498
65.000	−.05950	−.06053	−.06154	−.06254	−.06353	−.06451	−.06694
70.000	−.06163	−.06258	−.06353	−.06446	−.06539	−.06630	−.06856
75.000	−.06341	−.06431	−.06519	−.06607	−.06694	−.06780	−.06992
80.000	−.06492	−.06577	−.06660	−.06743	−.06825	−.06906	−.07106
85.000	−.06621	−.06701	−.06781	−.06859	−.06937	−.07013	−.07202
90.000	−.06732	−.06808	−.06883	−.06958	−.07032	−.07105	−.07285
95.000	−.06827	−.06900	−.06972	−.07043	−.07114	−.07183	−.07355
100.000	−.06910	−.06979	−.07049	−.07117	−.07184	−.07251	−.07415
125.000	−.07188	−.07247	−.07305	−.07363	−.07419	−.07475	−.07612
150.000	−.07332	−.07384	−.07436	−.07486	−.07536	−.07585	−.07705
175.000	−.07403	−.07452	−.07499	−.07545	−.07590	−.07635	−.07743
200.000	−.07432	−.07479	−.07524	−.07567	−.07609	−.07651	−.07750

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$T^* \frac{dB^*}{dT^*}$ *for the (16, 6, 8) potential function*

T*	γ					
	0.	0.2	0.4	0.6	0.8	1.0
.250	130.40914	127.19769	124.13451	121.20889	118.41131	115.73328
.275	87.87254	85.66405	83.55409	81.53563	79.60249	77.74907
.300	63.10818	61.49127	59.94407	58.46168	57.03974	55.67439
.325	47.59648	46.35487	45.16501	44.02329	42.92655	41.87190
.350	37.30139	36.31194	35.36240	34.45002	33.57236	32.72723
.375	30.14177	29.32977	28.54951	27.79881	27.07575	26.37859
.400	24.96813	24.28583	23.62941	22.99709	22.38732	21.79869
.425	21.10839	20.52392	19.96098	19.41811	18.89401	18.38753
.450	18.15045	17.64173	17.15125	16.67777	16.22018	15.77752
.475	15.83112	15.38239	14.94934	14.53090	14.12613	13.73418
.500	13.97639	13.57610	13.18945	12.81551	12.45347	12.10260
.525	12.46766	12.10713	11.75860	11.42125	11.09437	10.77732
.550	11.22197	10.89454	10.57778	10.27095	9.97342	9.68461
.575	10.17986	9.88036	9.59042	9.30937	9.03664	8.77173
.600	9.29790	9.02222	8.75516	8.49613	8.24460	8.00013
.650	7.89280	7.65548	7.42532	7.20181	6.98452	6.77308
.700	6.82964	6.62174	6.41990	6.22370	6.03277	5.84679
.750	6.00163	5.81693	5.63746	5.46283	5.29275	5.12692
.800	5.34118	5.17519	5.01377	4.85659	4.70338	4.55388
.850	4.80372	4.65312	4.50655	4.36374	4.22443	4.08840
.900	4.35886	4.22111	4.08696	3.95617	3.82850	3.70377
.950	3.98522	3.85835	3.73474	3.61415	3.49637	3.38123
1.000	3.66742	3.54988	3.43530	3.32346	3.21418	3.10729
1.100	3.15677	3.05439	2.95448	2.85688	2.76143	2.66798
1.200	2.76542	2.67478	2.58628	2.49975	2.41507	2.33210
1.300	2.45655	2.37529	2.29589	2.21822	2.14214	2.06756
1.400	2.20694	2.13332	2.06135	1.99090	1.92187	1.85416
1.500	2.00121	1.93395	1.86815	1.80372	1.74055	1.67856
1.600	1.82886	1.76695	1.70637	1.64701	1.58880	1.53165
1.700	1.68244	1.62511	1.56898	1.51398	1.46001	1.40700
1.800	1.55655	1.50318	1.45091	1.39967	1.34937	1.29995
1.900	1.44720	1.39728	1.34838	1.30042	1.25333	1.20705
2.000	1.35133	1.30445	1.25852	1.21345	1.16920	1.12569
2.200	1.19124	1.14946	1.10850	1.06831	1.02881	.98996
2.400	1.06290	1.02524	.98831	.95204	.91639	.88131
2.600	.95775	.92348	.88986	.85683	.82435	.79238
2.800	.87004	.83861	.80776	.77744	.74763	.71827
3.000	.79576	.76674	.73824	.71024	.68269	.65555
3.200	.73204	.70510	.67864	.65262	.62702	.60180
3.400	.67679	.65165	.62695	.60267	.57876	.55520
3.600	.62843	.60486	.58171	.55895	.53653	.51443
3.800	.58573	.56357	.54178	.52036	.49926	.47846
4.000	.54776	.52684	.50628	.48605	.46612	.44648
4.500	.46899	.45066	.43263	.41489	.39740	.38016
5.000	.40730	.39099	.37495	.35916	.34359	.32824
5.500	.35766	.34299	.32855	.31433	.30031	.28648
6.000	.31686	.30353	.29041	.27749	.26474	.25216
6.500	.28273	.27052	.25851	.24666	.23498	.22345
7.000	.25375	.24250	.23142	.22050	.20972	.19908
7.500	.22885	.21842	.20815	.19801	.18802	.17814

$T^* \frac{dB^*}{dT^*}$ *for the (16, 6, 8) potential function*— Continued

T*	γ					
	0.	0.2	0.4	0.6	0.8	.10
8.000	.20722	.19750	.18792	.17848	.16916	.15995
8.500	.18826	.17916	.17020	.16135	.15262	.14400
9.000	.17150	.16295	.15453	.14622	.13801	.12990
9.500	.15658	.14852	.14058	.13274	.12500	.11735
10.000	.14322	.13560	.12808	.12067	.11335	.10611
11.000	.12028	.11341	.10663	.09995	.09334	.08680
12.000	.10131	.09506	.08889	.08280	.07679	.07084
13.000	.08536	.07963	.07398	.06839	.06287	.05741
14.000	.07178	.06649	.06127	.05611	.05102	.04597
15.000	.06007	.05516	.05032	.04553	.04080	.03611
16.000	.04988	.04530	.04078	.03632	.03190	.02753
17.000	.04093	.03665	.03241	.02823	.02409	.01999
18.000	.03302	.02899	.02501	.02107	.01718	.01332
19.000	.02597	.02217	.01841	.01470	.01102	.00738
20.000	.01965	.01606	.01250	.00899	.00551	.00206
22.000	.00882	.00557	.00236	−.00081	−.00396	−.00707
24.000	−.00013	−.00309	−.00602	−.00891	−.01178	−.01461
26.000	−.00764	−.01036	−.01304	−.01570	−.01833	−.02094
28.000	−.01402	−.01653	−.01901	−.02147	−.02391	−.02632
30.000	−.01950	−.02183	−.02414	−.02643	−.02869	−.03093
32.000	−.02425	−.02643	−.02859	−.03073	−.03284	−.03494
34.000	−.02841	−.03046	−.03248	−.03448	−.03647	−.03844
36.000	−.03207	−.03400	−.03591	−.03779	−.03967	−.04152
38.000	−.03532	−.03714	−.03894	−.04073	−.04250	−.04425
40.000	−.03821	−.03994	−.04165	−.04334	−.04502	−.04668
45.000	−.04422	−.04575	−.04727	−.04877	−.05026	−.05173
50.000	−.04891	−.05029	−.05165	−.05301	−.05434	−.05567
55.000	−.05265	−.05391	−.05515	−.05638	−.05759	−.05880
60.000	−.05569	−.05684	−.05798	−.05911	−.06023	−.06133
65.000	−.05819	−.05926	−.06031	−.06136	−.06239	−.06341
70.000	−.06027	−.06126	−.06225	−.06322	−.06419	−.06514
75.000	−.06202	−.06295	−.06388	−.06479	−.06569	−.06659
80.000	−.06350	−.06439	−.06526	−.06612	−.06697	−.06781
85.000	−.06477	−.06561	−.06643	−.06725	−.06806	−.06886
90.000	−.06586	−.06666	−.06744	−.06822	−.06899	−.06975
95.000	−.06681	−.06757	−.06832	−.06906	−.06979	−.07051
100.000	−.06763	−.06835	−.06907	−.06978	−.07048	−.07117
125.000	−.07041	−.07102	−.07163	−.07222	−.07281	−.07338
150.000	−.07188	−.07242	−.07295	−.07347	−.07399	−.07449
175.000	−.07266	−.07315	−.07363	−.07410	−.07456	−.07502
200.000	−.07303	−.07349	−.07393	−.07437	−.07479	−.07521

$T^* \frac{dB^*}{dT^*}$ *for the (17, 6, 8) potential function*

T*	γ					
	0.	0.2	0.4	0.6	0.8	1.0
.250	125.44438	122.18570	119.08425	116.12831	113.30754	110.61270
.275	84.54641	82.30362	80.16530	78.12381	76.17238	74.30498
.300	60.73276	59.08953	57.52020	56.01944	54.58253	53.20526
.325	45.81453	44.55186	43.34406	42.18719	41.07779	40.01279
.350	35.91199	34.90516	33.94063	33.01540	32.12682	31.27254
.375	29.02446	28.19776	27.40468	26.64286	25.91020	25.20486
.400	24.04680	23.35181	22.68423	22.04212	21.42381	20.82778
.425	20.33280	19.73720	19.16440	18.61280	18.08101	17.56777
.450	17.48621	16.96761	16.46830	15.98694	15.52235	15.07349
.475	15.25393	14.79632	14.35529	13.92968	13.51849	13.12080
.500	13.46861	13.06026	12.66634	12.28583	11.91786	11.56165
.525	12.01618	11.64829	11.29308	10.94966	10.61728	10.29524
.550	10.81685	10.48265	10.15971	9.84725	9.54458	9.25109
.575	9.81342	9.50766	9.21197	8.92567	8.64812	8.37880
.600	8.96412	8.68261	8.41019	8.14623	7.89017	7.64152
.650	7.61087	7.36843	7.13354	6.90565	6.68431	6.46910
.700	6.58676	6.37431	6.16824	5.96810	5.77350	5.58409
.750	5.78904	5.60024	5.41694	5.23874	5.06530	4.89633
.800	5.15265	4.98294	4.81802	4.65757	4.50126	4.34886
.850	4.63471	4.48069	4.33091	4.18507	4.04290	3.90417
.900	4.20594	4.06504	3.92792	3.79432	3.66399	3.53673
.950	3.84579	3.71599	3.58961	3.46639	3.34613	3.22862
1.000	3.53942	3.41915	3.30198	3.18768	3.07606	2.96694
1.100	3.04707	2.94227	2.84008	2.74029	2.64275	2.54730
1.200	2.66967	2.57688	2.48632	2.39783	2.31125	2.22647
1.300	2.37177	2.28856	2.20730	2.12783	2.05004	1.97380
1.400	2.13099	2.05559	1.98192	1.90983	1.83921	1.76997
1.500	1.93252	1.86362	1.79625	1.73030	1.66566	1.60226
1.600	1.76623	1.70280	1.64076	1.58000	1.52042	1.46195
1.700	1.62494	1.56619	1.50871	1.45239	1.39714	1.34290
1.800	1.50346	1.44876	1.39522	1.34274	1.29124	1.24067
1.900	1.39792	1.34675	1.29665	1.24753	1.19932	1.15194
2.000	1.30539	1.25734	1.21027	1.16411	1.11878	1.07424
2.200	1.15086	1.10802	1.06605	1.02486	.98440	.94462
2.400	1.02696	.98834	.95048	.91331	.87678	.84085
2.600	.92544	.89029	.85582	.82196	.78868	.75592
2.800	.84075	.80850	.77687	.74579	.71523	.68514
3.000	.76902	.73924	.71002	.68131	.65306	.62524
3.200	.70749	.67984	.65270	.62601	.59976	.57390
3.400	.65413	.62833	.60299	.57808	.55356	.52940
3.600	.60741	.58323	.55948	.53612	.51312	.49046
3.800	.56617	.54342	.52107	.49908	.47744	.45610
4.000	.52949	.50802	.48691	.46615	.44571	.42555
4.500	.45340	.43457	.41606	.39785	.37990	.36221
5.000	.39379	.37704	.36057	.34435	.32837	.31261
5.500	.34582	.33075	.31592	.30132	.28692	.27271
6.000	.30639	.29269	.27922	.26594	.25285	.23992
6.500	.27340	.26086	.24851	.23634	.22434	.21249
7.000	.24540	.23383	.22244	.21122	.20014	.18921
7.500	.22133	.21060	.20003	.18962	.17934	.16919

$T^* \frac{dB^*}{dT^*}$ *for the (17, 6, 8) potential function*—Continued

T*	γ					
	0.	0.2	0.4	0.6	0.8	1.0
8.000	.20041	.19042	.18057	.17086	.16127	.15180
8.500	.18208	.17272	.16350	.15440	.14543	.13656
9.000	.16587	.15708	.14841	.13986	.13142	.12308
9.500	.15145	.14315	.13498	.12691	.11895	.11108
10.000	.13852	.13068	.12294	.11531	.10778	.10033
11.000	.11633	.10926	.10228	.09540	.08860	.08187
12.000	.09798	.09154	.08519	.07892	.07272	.06660
13.000	.08255	.07664	.07082	.06506	.05938	.05376
14.000	.06940	.06395	.05857	.05326	.04800	.04281
15.000	.05806	.05300	.04801	.04307	.03820	.03337
16.000	.04820	.04347	.03881	.03421	.02966	.02515
17.000	.03953	.03511	.03074	.02643	.02216	.01794
18.000	.03186	.02770	.02360	.01954	.01552	.01155
19.000	.02503	.02111	.01723	.01340	.00961	.00586
20.000	.01891	.01520	.01153	.00790	.00431	.00076
22.000	.00841	.00505	.00174	−.00154	−.00478	−.00799
24.000	−.00027	−.00333	−.00635	−.00934	−.01230	−.01522
26.000	−.00756	−.01037	−.01314	−.01589	−.01860	−.02130
28.000	−.01375	−.01635	−.01891	−.02145	−.02397	−.02645
30.000	−.01907	−.02149	−.02387	−.02624	−.02857	−.03089
32.000	−.02369	−.02595	−.02818	−.03038	−.03257	−.03474
34.000	−.02773	−.02985	−.03194	−.03402	−.03607	−.03810
36.000	−.03129	−.03329	−.03526	−.03721	−.03915	−.04106
38.000	−.03445	−.03634	−.03820	−.04005	−.04188	−.04369
40.000	−.03727	−.03906	−.04083	−.04258	−.04431	−.04603
45.000	−.04313	−.04471	−.04628	−.04784	−.04937	−.05090
50.000	−.04771	−.04913	−.05054	−.05194	−.05332	−.05469
55.000	−.05136	−.05266	−.05394	−.05521	−.05647	−.05772
60.000	−.05433	−.05552	−.05670	−.05787	−.05902	−.06017
65.000	−.05678	−.05789	−.05898	−.06006	−.06113	−.06218
70.000	−.05882	−.05985	−.06087	−.06188	−.06287	−.06386
75.000	−.06055	−.06151	−.06247	−.06341	−.06434	−.06527
80.000	−.06201	−.06292	−.06382	−.06471	−.06559	−.06646
85.000	−.06326	−.06413	−.06498	−.06582	−.06665	−.06747
90.000	−.06434	−.06516	−.06597	−.06677	−.06756	−.06835
95.000	−.06528	−.06606	−.06683	−.06760	−.06835	−.06910
100.000	−.06609	−.06684	−.06758	−.06831	−.06903	−.06975
125.000	−.06888	−.06951	−.07013	−.07074	−.07134	−.07193
150.000	−.07038	−.07094	−.07148	−.07201	−.07253	−.07305
175.000	−.07120	−.07170	−.07219	−.07267	−.07314	−.07360
200.000	−.07162	−.07208	−.07253	−.07297	−.07341	−.07383

$T^* \frac{dB^*}{dT^*}$ *for the (18, 6, 8) potential function*

T*	γ						
	0.	0.2	0.4	0.6			
.250	121.01804	117.72880	114.60416	111.63161			
.275	81.58404	79.31841	77.16217	75.10711			
.300	58.61919	56.95804	55.37425	53.86212			
.325	44.23046	42.95320	41.73335	40.56673			
.350	34.67795	33.65889	32.68408	31.75034			
.375	28.03288	27.19570	26.39369	25.62433			
.400	23.22975	22.52563	21.85015	21.20129			
.425	19.64548	19.04180	18.46195	17.90423			
.450	16.89795	16.37211	15.86643	15.37948			
.475	14.74306	14.27891	13.83208	13.40133			
.500	13.01943	12.60512	12.20586	11.82060			
.525	11.61702	11.24365	10.88351	10.53567			
.550	10.45885	10.11959	9.79208	9.47548			
.575	9.48976	9.17929	8.87933	8.58914			
.600	8.66943	8.38353	8.10710	7.83949			
.650	7.36215	7.11584	6.87739	6.64622			
.700	6.37264	6.15673	5.94746	5.74435			
.750	5.60175	5.40982	5.22360	5.04268			
.800	4.98666	4.81409	4.64650	4.48354			
.850	4.48598	4.32933	4.17709	4.02893			
.900	4.07145	3.92811	3.78870	3.65294			
.950	3.72320	3.59114	3.46262	3.33739			
1.000	3.42693	3.30454	3.18537	3.06917			
1.100	2.95073	2.84406	2.74009	2.63861			
1.200	2.58565	2.49118	2.39902	2.30899			
1.300	2.29743	2.21269	2.12997	2.04910			
1.400	2.06442	1.98763	1.91262	1.83924			
1.500	1.87235	1.80216	1.73355	1.66641			
1.600	1.71139	1.64677	1.58358	1.52171			
1.700	1.57462	1.51476	1.45621	1.39885			
1.800	1.45702	1.40128	1.34673	1.29327			
1.900	1.35483	1.30269	1.25164	1.20160			
2.000	1.26524	1.21627	1.16830	1.12127			
2.200	1.11560	1.07193	1.02915	.98718			
2.400	.99561	.95623	.91763	.87975			
2.600	.89728	.86143	.82628	.79177			
2.800	.81524	.78235	.75009	.71840			
3.000	.74575	.71538	.68557	.65629			
3.200	.68613	.65793	.63024	.60303			
3.400	.63443	.60811	.58226	.55685			
3.600	.58917	.56449	.54026	.51643			
3.800	.54920	.52599	.50318	.48075			
4.000	.51366	.49174	.47021	.44902			
4.500	.43991	.42069	.40180	.38321			
5.000	.38213	.36503	.34822	.33166			
5.500	.33564	.32024	.30510	.29018			
6.000	.29741	.28342	.26965	.25609			
6.500	.26543	.25261	.23999	.22756			
7.000	.23828	.22645	.21481	.20334			
7.500	.21493	.20396	.19316	.18252			

$T^* \frac{dB^*}{dT^*}$ *for the (18, 6, 8) potential function*—Continued

T*	γ						
	0.	0.2	0.4	0.6			
8.000	.19465	.18443	.17436	.16443			
8.500	.17687	.16729	.15786	.14856			
9.000	.16115	.15215	.14328	.13454			
9.500	.14715	.13866	.13030	.12205			
10.000	.13461	.12658	.11867	.11087			
11.000	.11308	.10584	.09870	.09165			
12.000	.09527	.08868	.08217	.07576			
13.000	.08029	.07424	.06828	.06239			
14.000	.06753	.06194	.05643	.05099			
15.000	.05652	.05133	.04622	.04116			
16.000	.04694	.04210	.03732	.03260			
17.000	.03852	.03398	.02951	.02509			
18.000	.03107	.02680	.02259	.01843			
19.000	.02443	.02041	.01643	.01250			
20.000	.01848	.01467	.01091	.00719			
22.000	.00827	.00483	.00143	−.00194			
24.000	−.00017	−.00331	−.00641	−.00948			
26.000	−.00726	−.01015	−.01300	−.01581			
28.000	−.01329	−.01596	−.01859	−.02120			
30.000	−.01847	−.02096	−.02341	−.02583			
32.000	−.02298	−.02529	−.02759	−.02985			
34.000	−.02691	−.02909	−.03124	−.03337			
36.000	−.03039	−.03244	−.03447	−.03647			
38.000	−.03347	−.03541	−.03733	−.03922			
40.000	−.03622	−.03806	−.03988	−.04168			
45.000	−.04194	−.04357	−.04519	−.04678			
50.000	−.04642	−.04789	−.04934	−.05077			
55.000	−.05000	−.05134	−.05266	−.05396			
60.000	−.05292	−.05414	−.05536	−.05655			
65.000	−.05532	−.05646	−.05758	−.05869			
70.000	−.05733	−.05839	−.05944	−.06047			
75.000	−.05903	−.06002	−.06100	−.06197			
80.000	−.06048	−.06141	−.06234	−.06325			
85.000	−.06172	−.06260	−.06348	−.06434			
90.000	−.06279	−.06363	−.06446	−.06528			
95.000	−.06371	−.06452	−.06531	−.06609			
100.000	−.06452	−.06529	−.06605	−.06680			
125.000	−.06732	−.06797	−.06860	−.06922			
150.000	−.06885	−.06942	−.06997	−.07051			
175.000	−.06971	−.07021	−.07071	−.07120			
200.000	−.07017	−.07063	−.07109	−.07154			

TABLE 6. *The second derivative of the* (m, 6, 8) *potential for various values of* m *and* γ

$T^{*2}\frac{d^2B^*}{dT^{*2}}$ *for the* (9, 6, 8) *potential function*

T*	γ					
	0.	1.	2.	3.	4.	5.
.275	−654.82513	−636.40034	−619.07100	−602.72765	−587.27772	−572.64194
.30	−441.53297	−428.97257	−417.14541	−405.97861	−395.41058	−385.38870
.325	−314.88741	−305.83284	−297.29715	−289.22898	−281.58502	−274.32811
.35	−234.78075	−227.95859	−221.52022	−215.42776	−209.64930	−204.15757
.375	−181.44746	−176.12146	−171.08961	−166.32299	−161.79720	−157.49142
.40	−144.40920	−140.12895	−136.08090	−132.24223	−128.59373	−125.11903
.425	−117.76466	−114.24153	−110.90619	−107.74020	−104.72805	−101.85654
.45	−98.01767	−95.05916	−92.25566	−89.59196	−87.05529	−84.63475
.475	−83.00532	−80.47867	−78.08223	−75.80322	−73.63091	−71.55616
.50	−71.33920	−69.15015	−67.07212	−65.09420	−63.20725	−61.40349
.525	−62.09871	−60.17862	−58.35442	−56.61667	−54.95747	−53.37013
.55	−54.65616	−52.95392	−51.33543	−49.79244	−48.31806	−46.90642
.575	−48.57263	−47.04945	−45.60013	−44.21741	−42.89519	−41.62830
.60	−43.53453	−42.16042	−40.85204	−39.60290	−38.40758	−37.26148
.65	−35.73903	−34.59731	−33.50881	−32.46826	−31.47125	−30.51406
.70	−30.05074	−29.08027	−28.15396	−27.26743	−26.41702	−25.59961
.75	−25.76154	−24.92139	−24.11863	−23.34955	−22.61103	−21.90043
.80	−22.43806	−21.69976	−20.99366	−20.31655	−19.66572	−19.03891
.85	−19.80327	−19.14637	−18.51759	−17.91411	−17.33357	−16.77396
.90	−17.67342	−17.08283	−16.51708	−15.97368	−15.45052	−14.94584
.95	−15.92273	−15.38704	−14.87352	−14.37992	−13.90439	−13.44532
1.00	−14.46271	−13.97311	−13.50347	−13.05176	−12.61629	−12.19564
1.10	−12.17645	−11.75967	−11.35943	−10.97404	−10.60209	−10.24237
1.20	−10.47768	−10.11563	−9.76761	−9.43218	−9.10813	−8.79443
1.30	−9.17220	−8.85263	−8.54519	−8.24862	−7.96187	−7.68406
1.40	−8.14123	−7.85551	−7.58044	−7.31490	−7.05797	−6.80886
1.50	−7.30858	−7.05042	−6.80172	−6.56149	−6.32889	−6.10324
1.60	−6.62337	−6.38805	−6.16123	−5.94201	−5.72963	−5.52348
1.70	−6.05045	−5.83436	−5.62596	−5.42445	−5.22913	−5.03943
1.80	−5.56486	−5.36516	−5.17248	−4.98608	−4.80533	−4.62970
1.90	−5.14840	−4.96284	−4.78373	−4.61037	−4.44220	−4.27874
2.00	−4.78755	−4.61430	−4.44700	−4.28502	−4.12782	−3.97497
2.20	−4.19395	−4.04106	−3.89334	−3.75021	−3.61123	−3.47599
2.40	−3.72651	−3.58979	−3.45761	−3.32948	−3.20498	−3.08376
2.60	−3.34928	−3.22569	−3.10614	−2.99020	−2.87748	−2.76770
2.80	−3.03864	−2.92593	−2.81685	−2.71101	−2.60808	−2.50778
3.00	−2.77853	−2.67496	−2.57469	−2.47736	−2.38268	−2.29037
3.20	−2.55762	−2.46184	−2.36909	−2.27903	−2.19138	−2.10591
3.40	−2.36770	−2.27866	−2.19240	−2.10861	−2.02704	−1.94748
3.60	−2.20273	−2.11955	−2.03894	−1.96063	−1.88436	−1.80995
3.80	−2.05809	−1.98007	−1.90444	−1.83094	−1.75934	−1.68947
4.00	−1.93027	−1.85682	−1.78559	−1.71636	−1.64890	−1.58305
4.50	−1.66751	−1.60347	−1.54135	−1.48092	−1.42202	−1.36448
5.00	−1.46398	−1.40727	−1.35222	−1.29865	−1.24641	−1.19536
5.50	−1.30170	−1.25085	−1.20146	−1.15338	−1.10647	−1.06062
6.00	−1.16928	−1.12322	−1.07847	−1.03489	−.99234	−.95074
6.50	−1.05918	−1.01711	−.97622	−.93638	−.89748	−.85942
7.00	−.96620	−.92750	−.88988	−.85320	−.81738	−.78233
7.50	−.88662	−.85082	−.81599	−.78203	−.74885	−.71638
8.00	−.81775	−.78445	−.75205	−.72044	−.68955	−.65930

$T^{*2}\frac{d^2B^*}{dT^{*2}}$ *for the (9, 6, 8) potential function*—Continued

T*	γ					
	0.	1.	2.	3.	4.	5.
8.50	−.75756	−.72645	−.69616	−.66661	−.63772	−.60943
9.00	−.70451	−.67533	−.64691	−.61917	−.59205	−.56548
9.50	−.65739	−.62993	−.60317	−.57704	−.55149	−.52645
10.00	−.61527	−.58934	−.56406	−.53938	−.51523	−.49156
11.00	−.54315	−.51984	−.49710	−.47489	−.45314	−.43182
12.00	−.48364	−.46250	−.44186	−.42168	−.40192	−.38254
13.00	−.43371	−.41439	−.39551	−.37704	−.35894	−.34119
14.00	−.39121	−.37345	−.35607	−.33906	−.32237	−.30600
15.00	−.35460	−.33818	−.32210	−.30634	−.29088	−.27570
16.00	−.32273	−.30749	−.29254	−.27788	−.26348	−.24933
17.00	−.29473	−.28054	−.26659	−.25288	−.23942	−.22619
18.00	−.26993	−.25667	−.24361	−.23077	−.21813	−.20571
19.00	−.24780	−.23538	−.22313	−.21105	−.19916	−.18746
20.00	−.22793	−.21628	−.20475	−.19337	−.18215	−.17109
22.00	−.19371	−.18338	−.17312	−.16295	−.15289	−.14296
24.00	−.16527	−.15605	−.14686	−.13771	−.12864	−.11965
26.00	−.14309	−.13298	−.12469	−.11642	−.10818	−.10000
28.00	−.12303	−.11324	−.10571	−.09820	−.09069	−.08322
30.00	−.10575	−.09824	−.08930	−.08242	−.07555	−.06869
32.00	−.09072	−.08375	−.07686	−.06864	−.06232	−.05600
34.00	−.07754	−.07103	−.06460	−.05649	−.05065	−.04480
36.00	−.06589	−.05980	−.05377	−.04782	−.04029	−.03486
38.00	−.05552	−.04980	−.04413	−.03853	−.03299	−.02596
40.00	−.04625	−.04085	−.03551	−.03021	−.02498	−.01797
45.00	−.02686	−.02215	−.01747	−.01283	−.00824	−.00369
50.00	−.01157	−.00740	−.00325	.00087	.00496	.00901
55.00	.00076	.00449	.00821	.01192	.01560	.01926
60.00	.01087	.01425	.01763	.02099	.02434	.02766
65.00	.01930	.02238	.02547	.02855	.03162	.03467
70.00	.02642	.02925	.03209	.03493	.03776	.04057
75.00	.03249	.03510	.03773	.04037	.04299	.04561
80.00	.03771	.04014	.04259	.04505	.04750	.04994
85.00	.04224	.04451	.04680	.04911	.05141	.05370
90.00	.04620	.04833	.05049	.05265	.05482	.05698
95.00	.04968	.05169	.05372	.05577	.05781	.05986
100.00	.05276	.05466	.05658	.05852	.06046	.06240
125.00	.06386	.06536	.06689	.06843	.06999	.07154
150.00	.07054	.07179	.07308	.07438	.07569	.07699
175.00	.07480	.07589	.07701	.07815	.07929	.08043
200.00	.07761	.07859	.07959	.08061	.08164	.08266

$T^{*2}\frac{d^2B^*}{dT^{*2}}$ *for the (10, 6, 8) potential function*

T*	γ						
	0.	1.	2.	3.	4.		
.25	−964.22660	−917.75518	−875.96702	−838.12741	−803.66955		
.275	−604.62360	−575.12415	−548.54384	−524.42891	−502.42967		
.30	−407.49841	−387.37389	−369.20350	−352.68595	−337.58923		
.325	−290.48595	−275.96847	−262.83374	−250.87002	−239.91446		
.35	−216.49338	−205.54795	−195.62499	−186.56884	−178.25990		
.375	−167.24438	−158.69393	−150.92695	−143.82466	−137.29602		
.40	−133.05178	−126.17611	−119.91852	−114.18568	−108.90608		
.425	−108.46090	−102.79821	−97.63511	−92.89638	−88.52445		
.45	−90.24063	−85.48291	−81.13731	−77.14192	−73.44942		
.475	−76.39245	−72.32719	−68.60785	−65.18253	−62.01164		
.50	−65.63366	−62.10992	−58.88088	−55.90238	−53.14074		
.525	−57.11390	−54.02172	−51.18388	−48.56226	−46.12786		
.55	−50.25343	−47.51095	−44.99043	−42.65860	−40.49020		
.575	−44.64699	−42.19201	−39.93266	−37.83960	−35.89058		
.60	−40.00500	−37.78948	−35.74787	−33.85409	−32.08834		
.65	−32.82464	−30.98257	−29.28107	−27.69900	−26.22037		
.70	−27.58734	−26.02062	−24.57037	−23.21902	−21.95331		
.75	−23.63971	−22.28266	−21.02406	−19.84903	−18.74634		
.80	−20.58200	−19.38889	−18.28042	−17.24375	−16.26919		
.85	−18.15872	−17.09671	−16.10848	−15.18281	−14.31122		
.90	−16.20048	−15.24529	−14.35521	−13.52026	−12.73296		
.95	−14.59133	−13.72462	−12.91593	−12.15634	−11.43916		
1.00	−13.24973	−12.45734	−11.71710	−11.02098	−10.36294		
1.10	−11.14970	−10.47480	−9.84299	−9.24759	−8.68357		
1.20	−9.59006	−9.00350	−8.45341	−7.93409	−7.44125		
1.30	−8.39200	−7.87406	−7.38757	−6.92757	−6.49037		
1.40	−7.44623	−6.98299	−6.54729	−6.13477	−5.74216		
1.50	−6.68266	−6.26396	−5.86970	−5.49597	−5.13986		
1.60	−6.05448	−5.67273	−5.31288	−4.97141	−4.64570		
1.70	−5.52940	−5.17875	−4.84791	−4.53367	−4.23366		
1.80	−5.08446	−4.76034	−4.45427	−4.16332	−3.88530		
1.90	−4.70296	−4.40172	−4.11703	−3.84621	−3.58723		
2.00	−4.37247	−4.09115	−3.82511	−3.57185	−3.32950		
2.20	−3.82895	−3.58063	−3.34551	−3.12141	−2.90671		
2.40	−3.40110	−3.17897	−2.96843	−2.76755	−2.57491		
2.60	−3.05590	−2.85505	−2.66451	−2.48255	−2.30790		
2.80	−2.77171	−2.58849	−2.41453	−2.24828	−2.08858		
3.00	−2.53379	−2.36540	−2.20541	−2.05241	−1.90533		
3.20	−2.33175	−2.17602	−2.02795	−1.88627	−1.74999		
3.40	−2.15810	−2.01328	−1.87552	−1.74361	−1.61668		
3.60	−2.00726	−1.87196	−1.74318	−1.61981	−1.50104		
3.80	−1.87504	−1.74810	−1.62722	−1.51138	−1.39979		
4.00	−1.75820	−1.63867	−1.52480	−1.41562	−1.31041		
4.50	−1.51803	−1.41380	−1.31440	−1.21900	−1.12698		
5.00	−1.33203	−1.23970	−1.15156	−1.06690	−.98519		
5.50	−1.18374	−1.10092	−1.02180	−.94575	−.87230		
6.00	−1.06275	−.98771	−.91597	−.84697	−.78029		
6.50	−.96215	−.89359	−.82801	−.76489	−.70385		
7.00	−.87718	−.81411	−.75373	−.69559	−.63934		
7.50	−.80447	−.74610	−.69018	−.63631	−.58417		

$T^{*2}\frac{d^2B^*}{dT^{*2}}$ *for the (10, 6, 8) potential function*—Continued

T*	γ						
	0.	1.	2.	3.	4.		
8.00	−.74154	−.68723	−.63518	−.58501	−.53643		
8.50	−.68654	−.63579	−.58712	−.54018	−.49472		
9.00	−.63806	−.59044	−.54475	−.50068	−.45796		
9.50	−.59500	−.55017	−.50713	−.46559	−.42532		
10.00	−.55650	−.51416	−.47349	−.43423	−.39615		
11.00	−.49058	−.45250	−.41589	−.38052	−.34619		
12.00	−.43619	−.40162	−.36836	−.33620	−.30497		
13.00	−.39055	−.35893	−.32848	−.29901	−.27038		
14.00	−.35171	−.32260	−.29454	−.26736	−.24094		
15.00	−.31827	−.29131	−.26530	−.24010	−.21559		
16.00	−.28916	−.26408	−.23986	−.21638	−.19352		
17.00	−.26361	−.24018	−.21752	−.19555	−.17415		
18.00	−.24100	−.21903	−.19776	−.17711	−.15700		
19.00	−.22086	−.20018	−.18015	−.16069	−.14172		
20.00	−.20279	−.18328	−.16436	−.14596	−.12802		
22.00	−.17173	−.15424	−.13722	−.12065	−.10448		
24.00	−.14598	−.13019	−.11475	−.09970	−.08499		
26.00	−.12428	−.10994	−.09585	−.08207	−.06859		
28.00	−.10573	−.09265	−.07973	−.06704	−.05462		
30.00	−.08969	−.07772	−.06581	−.05408	−.04256		
32.00	−.07566	−.06469	−.05368	−.04279	−.03207		
34.00	−.06329	−.05320	−.04301	−.03287	−.02286		
36.00	−.05230	−.04300	−.03354	−.02408	−.01470		
38.00	−.04249	−.03387	−.02508	−.01623	−.00742		
40.00	−.03577	−.02566	−.01747	−.00918	−.00090		
45.00	−.01797	−.00834	−.00140	.00567	.01282		
50.00	−.00392	.00301	.01145	.01756	.02378		
55.00	.00741	.01363	.01978	.02729	.03274		
60.00	.01672	.02236	.02795	.03540	.04022		
65.00	.02448	.02963	.03475	.03981	.04656		
70.00	.03103	.03577	.04049	.04517	.04979		
75.00	.03663	.04101	.04539	.04973	.05403		
80.00	.04144	.04553	.04961	.05367	.05768		
85.00	.04562	.04944	.05327	.05708	.06084		
90.00	.04928	.05287	.05647	.06005	.06360		
95.00	.05249	.05588	.05928	.06267	.06603		
100.00	.05533	.05854	.06177	.06498	.06817		
125.00	.06560	.06815	.07072	.07329	.07585		
150.00	.07179	.07393	.07610	.07826	.08041		
175.00	.07575	.07761	.07951	.08139	.08327		
200.00	.07837	.08004	.08174	.08343	.08510		

$T^{*2}\frac{d^2B^*}{dT^{*2}}$ *for the (11, 6, 8) potential function*

T*	γ					
	0.	1.	1.5	2.0	2.5	3.0
.25	−899.25226	−841.90373	−816.12190	−791.99880	−769.37158	−748.10089
.275	−563.73341	−527.30017	−510.88673	−495.50921	−481.06725	−467.47503
.30	−379.84263	−354.96834	−343.73832	−333.20286	−323.29548	−313.95934
.325	−270.70450	−252.74697	−244.62228	−236.98967	−229.80253	−223.02104
.35	−201.70260	−188.15363	−182.01057	−176.23171	−170.78287	−165.63486
.375	−155.78267	−145.19099	−140.37882	−135.84589	−131.56618	−127.51753
.40	−123.90633	−115.38359	−111.50365	−107.84409	−104.38452	−101.10757
.425	−100.98469	−93.96112	−90.75751	−87.73204	−84.86835	−82.15247
.45	−84.00371	−78.09909	−75.40089	−72.84964	−70.43190	−68.13623
.475	−71.09926	−66.05122	−63.74036	−61.55285	−59.47741	−57.50451
.50	−61.07503	−56.69712	−54.68968	−52.78728	−50.98037	−49.26084
.525	−53.13801	−49.29440	−47.52914	−45.85450	−44.26224	−42.74541
.55	−46.74761	−43.33709	−41.76837	−40.27869	−38.86090	−37.50891
.575	−41.52595	−38.47164	−37.06476	−35.72749	−34.45355	−33.23759
.60	−37.20307	−34.44555	−33.17364	−31.96359	−30.80980	−29.70754
.65	−30.51744	−28.22302	−27.16207	−26.15104	−25.18541	−24.26139
.70	−25.64205	−23.68930	−22.78431	−21.92061	−21.09447	−20.30273
.75	−21.96796	−20.27553	−19.48959	−18.73850	−18.01911	−17.32875
.80	−19.12267	−17.63391	−16.94129	−16.27858	−15.64306	−15.03244
.85	−16.86813	−15.54233	−14.92449	−14.33268	−13.76454	−13.21805
.90	−15.04655	−13.85360	−13.29683	−12.76299	−12.24998	−11.75603
.95	−13.54994	−12.46707	−11.96098	−11.47530	−11.00813	−10.55792
1.00	−12.30235	−11.31197	−10.84853	−10.40340	−9.97489	−9.56159
1.10	−10.34986	−9.50580	−9.10995	−8.72919	−8.36211	−8.00752
1.20	−8.90014	−8.16618	−7.82132	−7.48919	−7.16858	−6.85851
1.30	−7.78676	−7.13836	−6.83321	−6.53900	−6.25470	−5.97945
1.40	−6.90801	−6.32786	−6.05445	−5.79058	−5.53537	−5.28804
1.50	−6.19867	−5.67413	−5.42662	−5.18756	−4.95614	−4.73170
1.60	−5.61519	−5.13679	−4.91080	−4.69237	−4.48077	−4.27539
1.70	−5.12754	−4.68800	−4.48016	−4.27914	−4.08428	−3.89503
1.80	−4.71438	−4.30798	−4.11565	−3.92952	−3.74899	−3.57356
1.90	−4.36016	−3.98237	−3.80342	−3.63016	−3.46203	−3.29856
2.00	−4.05333	−3.70045	−3.53319	−3.37117	−3.21386	−3.06083
2.20	−3.54880	−3.23720	−3.08932	−2.94594	−2.80662	−2.67099
2.40	−3.15169	−2.87287	−2.74040	−2.61188	−2.48691	−2.36516
2.60	−2.83134	−2.57917	−2.45924	−2.34282	−2.22955	−2.11913
2.80	−2.56764	−2.33754	−2.22802	−2.12165	−2.01809	−1.91709
3.00	−2.34689	−2.13537	−2.03462	−1.93672	−1.84137	−1.74832
3.20	−2.15945	−1.96378	−1.87052	−1.77986	−1.69152	−1.60529
3.40	−1.99834	−1.81636	−1.72957	−1.64516	−1.56289	−1.48255
3.60	−1.85842	−1.68836	−1.60721	−1.52827	−1.45130	−1.37611
3.80	−1.73576	−1.57619	−1.50002	−1.42588	−1.35357	−1.28292
4.00	−1.62738	−1.47710	−1.40533	−1.33546	−1.26729	−1.20067
4.50	−1.40461	−1.27352	−1.21084	−1.14978	−1.09018	−1.03189
5.00	−1.23209	−1.11592	−1.06033	−1.00614	−.95322	−.90144
5.50	−1.09454	−.99031	−.94039	−.89172	−.84415	−.79759
6.00	−.98231	−.88785	−.84258	−.79841	−.75524	−.71295
6.50	−.88900	−.80267	−.76127	−.72087	−.68136	−.64265
7.00	−.81018	−.73074	−.69262	−.65540	−.61899	−.58331
7.50	−.74273	−.66919	−.63388	−.59939	−.56564	−.53256

$T^{*2}\frac{d^2B^*}{dT^{*2}}$ *for the (11, 6, 8) potential function* — Continued

T*	γ					
	0.	1.	1.5	2.0	2.5	3.0
8.00	−.68435	−.61591	−.58304	−.55092	−.51947	−.48865
8.50	−.63332	−.56935	−.53860	−.50855	−.47913	−.45028
9.00	−.58834	−.52831	−.49944	−.47122	−.44358	−.41646
9.50	−.54839	−.49185	−.46465	−.43805	−.41200	−.38643
10.00	−.51267	−.45926	−.43355	−.40841	−.38377	−.35959
11.00	−.45149	−.40343	−.38028	−.35763	−.33542	−.31362
12.00	−.40100	−.35736	−.33632	−.31572	−.29552	−.27568
13.00	−.35864	−.31870	−.29943	−.28055	−.26204	−.24384
14.00	−.32258	−.28579	−.26802	−.25061	−.23353	−.21674
15.00	−.29152	−.25744	−.24097	−.22482	−.20897	−.19339
16.00	−.26449	−.23276	−.21742	−.20238	−.18760	−.17307
17.00	−.24076	−.21110	−.19674	−.18266	−.16883	−.15522
18.00	−.21976	−.19192	−.17844	−.16521	−.15221	−.13942
19.00	−.20105	−.17484	−.16213	−.14966	−.13740	−.12534
20.00	−.18427	−.15951	−.14751	−.13572	−.12413	−.11271
22.00	−.15544	−.13318	−.12237	−.11175	−.10130	−.09101
24.00	−.13157	−.11138	−.10156	−.09190	−.08239	−.07303
26.00	−.11150	−.09303	−.08404	−.07520	−.06649	−.05790
28.00	−.09438	−.07740	−.06911	−.06096	−.05292	−.04500
30.00	−.07961	−.06392	−.05624	−.04868	−.04123	−.03388
32.00	−.06675	−.05218	−.04504	−.03800	−.03105	−.02419
34.00	−.05543	−.04187	−.03520	−.02861	−.02211	−.01569
36.00	−.04541	−.03274	−.02649	−.02031	−.01420	−.00817
38.00	−.03646	−.02461	−.01873	−.01292	−.00716	−.00148
40.00	−.02843	−.01732	−.01178	−.00629	−.00086	.00452
45.00	−.01148	−.00200	.00280	.00760	.01236	.01708
50.00	.00208	.01020	.01439	.01861	.02282	.02701
55.00	.01318	.02017	.02383	.02756	.03131	.03506
60.00	.02240	.02848	.03169	.03499	.03834	.04171
65.00	.02745	.03552	.03835	.04128	.04427	.04731
70.00	.03358	.04156	.04407	.04667	.04936	.05210
75.00	.03882	.04447	.04903	.05136	.05377	.05624
80.00	.04333	.04860	.05336	.05547	.05764	.05988
85.00	.04725	.05219	.05465	.05909	.06106	.06309
90.00	.05068	.05532	.05764	.05994	.06410	.06596
95.00	.05370	.05808	.06027	.06244	.06681	.06853
100.00	.05637	.06053	.06260	.06466	.06671	.07083
125.00	.06603	.06935	.07100	.07265	.07429	.07592
150.00	.07189	.07467	.07607	.07746	.07884	.08020
175.00	.07564	.07808	.07929	.08050	.08170	.08289
200.00	.07814	.08032	.08141	.08249	.08357	.08463

$T^{*2}\frac{d^2B^*}{dT^{*2}}$ *for the (12, 6, 8) potential function*

T*	γ					
	0.	0.5	1.0	1.5	2.0	2.5
.25	−845.09059	−811.54771	−780.78358	−752.44443	−726.24255	−701.93970
.275	−529.71305	−508.40332	−488.82498	−470.76020	−454.03188	−438.49328
.30	−356.87682	−342.32832	−328.93826	−316.56235	−305.08339	−294.40439
.325	−254.30836	−243.80592	−234.12266	−225.15743	−216.82819	−209.06701
.35	−189.46537	−181.54190	−174.22368	−167.43658	−161.12045	−155.22561
.375	−146.31654	−140.12308	−134.39297	−129.06981	−124.10792	−119.46955
.40	−116.36604	−111.38291	−106.76499	−102.46804	−98.45628	−94.70019
.425	−94.83078	−90.72466	−86.91344	−83.36154	−80.04022	−76.92580
.45	−78.87795	−75.42641	−72.21788	−69.22315	−66.41864	−63.78495
.475	−66.75562	−63.80514	−61.05843	−58.49104	−56.08329	−53.81896
.50	−57.33952	−54.78105	−52.39598	−50.16355	−48.06706	−46.09278
.525	−49.88446	−47.63851	−45.54203	−43.57717	−41.72955	−39.98736
.55	−43.88244	−41.88981	−40.02748	−38.27989	−36.63454	−35.08117
.575	−38.97840	−37.19410	−35.52452	−33.95596	−32.47743	−31.07990
.60	−34.91869	−33.30796	−31.79910	−30.37996	−29.04077	−27.77354
.65	−28.64050	−27.30059	−26.04283	−24.85742	−23.73648	−22.67358
.70	−24.06266	−22.92253	−21.85032	−20.83790	−19.87877	−18.96761
.75	−20.61311	−19.62515	−18.69452	−17.81430	−16.97902	−16.18419
.80	−17.94190	−17.07300	−16.25328	−15.47681	−14.73885	−14.03557
.85	−15.82546	−15.05180	−14.32093	−13.62768	−12.96791	−12.33828
.90	−14.11557	−13.41955	−12.76121	−12.13597	−11.54019	−10.97092
.95	−12.71081	−12.07911	−11.48093	−10.91218	−10.36962	−9.85061
1.00	−11.53985	−10.96219	−10.41462	−9.89345	−9.39576	−8.91918
1.10	−9.70743	−9.21524	−8.74783	−8.30215	−7.87577	−7.46673
1.20	−8.34700	−7.91910	−7.51212	−7.12345	−6.75104	−6.39321
1.30	−7.30228	−6.92433	−6.56438	−6.22017	−5.88991	−5.57216
1.40	−6.47777	−6.13966	−5.81727	−5.50863	−5.21215	−4.92657
1.50	−5.81225	−5.50659	−5.21486	−4.93527	−4.66643	−4.40721
1.60	−5.26485	−4.98612	−4.71984	−4.46441	−4.21859	−3.98134
1.70	−4.80738	−4.55131	−4.30649	−4.07146	−3.84508	−3.62642
1.80	−4.41980	−4.18307	−3.95657	−3.73897	−3.52923	−3.32650
1.90	−4.08753	−3.86748	−3.65680	−3.45427	−3.25893	−3.06999
2.00	−3.79972	−3.59420	−3.39731	−3.20793	−3.02516	−2.84828
2.20	−3.32647	−3.14502	−2.97101	−2.80346	−2.64159	−2.48478
2.40	−2.95401	−2.79167	−2.63585	−2.48567	−2.34047	−2.19967
2.60	−2.65355	−2.50674	−2.36571	−2.22969	−2.09808	−1.97037
2.80	−2.40623	−2.27228	−2.14352	−2.01925	−1.89893	−1.78210
3.00	−2.19920	−2.07607	−1.95764	−1.84328	−1.73249	−1.62485
3.20	−2.02340	−1.90951	−1.79991	−1.69402	−1.59137	−1.49159
3.40	−1.87231	−1.76639	−1.66441	−1.56583	−1.47023	−1.37726
3.60	−1.74108	−1.64211	−1.54677	−1.45458	−1.36513	−1.27811
3.80	−1.62605	−1.53319	−1.44370	−1.35712	−1.27309	−1.19132
4.00	−1.52440	−1.43695	−1.35264	−1.27105	−1.19184	−1.11472
4.50	−1.31548	−1.23919	−1.16559	−1.09430	−1.02503	−.95755
5.00	−1.15367	−1.08607	−1.02080	−.95754	−.89604	−.83607
5.50	−1.02466	−.96401	−.90541	−.84859	−.79330	−.73938
6.00	−.91939	−.86443	−.81129	−.75973	−.70955	−.66058
6.50	−.83186	−.78163	−.73305	−.68588	−.63995	−.59512
7.00	−.75793	−.71170	−.66697	−.62352	−.58120	−.53987
7.50	−.69465	−.65186	−.61042	−.57017	−.53094	−.49261

$T^{*2}\frac{d^2B^*}{dT^{*2}}$ *for the (12, 6, 8) potential function* – Continued

T*	γ					
	0.	0.5	1.0	1.5	2.0	2.5
8.00	−.63988	−.60005	−.56148	−.52399	−.48744	−.45172
8.50	−.59200	−.55477	−.51870	−.48363	−.44942	−.41598
9.00	−.54979	−.51485	−.48099	−.44805	−.41591	−.38449
9.50	−.51230	−.47940	−.44749	−.41645	−.38616	−.35653
10.00	−.47878	−.44769	−.41754	−.38819	−.35955	−.33152
11.00	−.42136	−.39339	−.36624	−.33979	−.31397	−.28869
12.00	−.37397	−.34856	−.32389	−.29985	−.27635	−.25335
13.00	−.33419	−.31094	−.28834	−.26631	−.24478	−.22368
14.00	−.30033	−.27891	−.25808	−.23776	−.21789	−.19842
15.00	−.27116	−.25132	−.23201	−.21317	−.19473	−.17665
16.00	−.24578	−.22730	−.20931	−.19175	−.17456	−.15771
18.00	−.20375	−.18754	−.17174	−.15629	−.14117	−.12633
20.00	−.17040	−.15598	−.14190	−.12814	−.11465	−.10141
22.00	−.14330	−.13033	−.11766	−.10526	−.09310	−.08115
24.00	−.12086	−.10909	−.09758	−.08630	−.07524	−.06436
26.00	−.10198	−.09121	−.08067	−.07035	−.06020	−.05023
28.00	−.08589	−.07597	−.06626	−.05674	−.04738	−.03818
30.00	−.07201	−.06283	−.05383	−.04500	−.03633	−.02778
32.00	−.05993	−.05139	−.04301	−.03479	−.02670	−.01873
34.00	−.04932	−.04134	−.03351	−.02581	−.01824	−.01078
36.00	−.03994	−.03245	−.02510	−.01787	−.01076	−.00374
38.00	−.03158	−.02454	−.01761	−.01080	−.00409	.00252
40.000	−.02411	−.01745	−.01091	−.00447	.00188	.00813
45.000	−.00845	−.00261	.00313	.00879	.01438	.01989
50.000	.00393	.00911	.01423	.01928	.02426	.02917
55.000	.01392	.01859	.02320	.02774	.03224	.03668
60.000	.02215	.02638	.03057	.03471	.03880	.04284
65.000	.02901	.03289	.03673	.04053	.04428	.04799
70.000	.03482	.03839	.04193	.04544	.04891	.05234
75.000	.03978	.04309	.04638	.04964	.05286	.05605
80.000	.04406	.04715	.05022	.05326	.05627	.05925
85.000	.04778	.05067	.05355	.05640	.05923	.06203
90.000	.05103	.05376	.05647	.05916	.06182	.06446
95.000	.05390	.05648	.05904	.06158	.06410	.066591
00.000	.05644	.05888	.06131	.06372	.06611	.06848
125.00	.06565	.06760	.06954	.07367	.07502	.07647
150.00	.07126	.07290	.07453	.07615	.07776	.08158
175.00	.07488	.07631	.07773	.07914	.08054	.08193
200.00	.07730	.07858	.07985	.08112	.08236	.08360

$T^{*2}\frac{d^2B^*}{dT^{*2}}$ *for the (13, 6, 8) potential function*

T*	γ						
	0.	0.8	1.0	1.5	2.0		
.25	−799.17370	−743.08215	−730.36174	−700.52347	−673.19970		
.275	−500.91676	−465.23547	−457.12727	−438.08346	−420.61401		
.30	−337.46790	−313.07625	−307.52204	−294.45926	−282.45423		
.325	−240.47274	−222.84243	−218.81946	−209.34507	−200.62131		
.35	−179.15456	−165.83728	−162.79221	−155.61105	−148.98617		
.375	−138.35205	−127.93028	−125.54247	−119.90373	−114.69191		
.40	−110.03068	−101.63618	−99.70909	−95.15233	−90.93273		
.425	−89.66713	−82.74268	−81.15006	−77.37940	−73.88142		
.45	−74.58248	−68.75603	−67.41353	−64.23115	−61.27376		
.475	−63.12000	−58.13465	−56.98397	−54.25310	−51.71105		
.50	−54.21654	−49.88967	−48.88932	−46.51261	−44.29667		
.525	−47.16740	−43.36586	−42.48560	−40.39195	−38.43696		
.55	−41.49224	−38.11678	−37.33402	−35.47039	−33.72767		
.575	−36.85530	−33.83048	−33.12805	−31.45407	−29.88652		
.60	−33.01672	−30.28420	−29.64881	−28.13320	−26.71210		
.65	−27.08054	−24.80450	−24.27395	−23.00630	−21.81482		
.70	−22.75211	−20.81318	−20.36022	−19.27630	−18.25529		
.75	−19.49050	−17.80865	−17.41496	−16.47160	−15.58125		
.80	−16.96484	−15.48429	−15.13710	−14.30415	−13.51660		
.85	−14.96372	−13.64435	−13.33446	−12.59014	−11.88527		
.90	−13.34700	−12.15913	−11.87971	−11.20791	−10.57079		
.95	−12.01878	−10.93994	−10.68583	−10.07431	−9.49358		
1.00	−10.91162	−9.92445	−9.69165	−9.13093	−8.59780		
1.10	−9.17903	−8.33699	−8.13798	−7.65795	−7.20056		
1.20	−7.89270	−7.15997	−6.98648	−6.56746	−6.16748		
1.30	−6.90487	−6.25716	−6.10356	−5.73218	−5.37711		
1.40	−6.12525	−5.54541	−5.40772	−5.07448	−4.75544		
1.50	−5.49596	−4.97146	−4.84676	−4.54471	−4.25519		
1.60	−4.97836	−4.49980	−4.38589	−4.10980	−3.84488		
1.70	−4.54578	−4.10593	−4.00113	−3.74696	−3.50285		
1.80	−4.17929	−3.77247	−3.67547	−3.44005	−3.21376		
1.90	−3.86509	−3.48679	−3.39651	−3.17731	−2.96645		
2.00	−3.59293	−3.23948	−3.15508	−2.95004	−2.75266		
2.20	−3.14541	−2.83316	−2.75850	−2.57698	−2.40204		
2.40	−2.79319	−2.51367	−2.44677	−2.28399	−2.12695		
2.60	−2.50905	−2.25614	−2.19556	−2.04806	−1.90563		
2.80	−2.27516	−2.04431	−1.98897	−1.85416	−1.72388		
3.00	−2.07935	−1.86708	−1.81616	−1.69205	−1.57205		
3.20	−1.91310	−1.71668	−1.66953	−1.55457	−1.44335		
3.40	−1.77020	−1.58747	−1.54358	−1.43654	−1.33291		
3.60	−1.64608	−1.47529	−1.43424	−1.33410	−1.23712		
3.80	−1.53728	−1.37698	−1.33844	−1.24439	−1.15325		
4.00	−1.44113	−1.29014	−1.25383	−1.16516	−1.07922		
4.50	−1.24351	−1.11172	−1.08000	−1.00249	−.92730		
5.00	−1.09045	−.97361	−.94546	−.87665	−.80985		
5.50	−.96840	−.86352	−.83824	−.77640	−.71633		
6.00	−.86881	−.77372	−.75078	−.69466	−.64011		
6.50	−.78599	−.69906	−.67807	−.62672	−.57678		
7.00	−.71603	−.63600	−.61667	−.56936	−.52332		
7.50	−.65615	−.58204	−.56413	−.52027	−.47758		

$T^{*2}\frac{d^2B^*}{dT^{*2}}$ *for the (13, 6, 8) potential function*— Continued

T*	γ						
	0.	0.8	1.0	1.5	2.0		
8.00	−.60432	−.53532	−.51864	−.47779	−.43800		
8.50	−.55901	−.49449	−.47889	−.44065	−.40342		
9.00	−.51906	−.45849	−.44384	−.40792	−.37293		
9.50	−.48357	−.42651	−.41270	−.37885	−.34585		
10.00	−.45184	−.39792	−.38486	−.35285	−.32164		
11.00	−.39748	−.34893	−.33716	−.30831	−.28016		
12.00	−.35261	−.30849	−.29779	−.27154	−.24593		
13.00	−.31494	−.27454	−.26474	−.24068	−.21718		
14.00	−.28287	−.24563	−.23659	−.21439	−.19271		
15.00	−.25524	−.22072	−.21234	−.19174	−.17162		
16.00	−.23119	−.19904	−.19122	−.17202	−.15325		
17.00	−.21007	−.17999	−.17267	−.15470	−.13711		
18.00	−.19137	−.16312	−.15625	−.13936	−.12283		
19.00	−.17471	−.14809	−.14161	−.12568	−.11009		
20.00	−.15976	−.13460	−.12848	−.11341	−.09866		
22.00	−.13407	−.11142	−.10590	−.09232	−.07901		
24.00	−.11278	−.09221	−.08719	−.07483	−.06272		
26.00	−.09487	−.07604	−.07144	−.06011	−.04901		
28.00	−.07960	−.06225	−.05801	−.04756	−.03731		
30.00	−.06643	−.05035	−.04642	−.03673	−.02721		
32.00	−.05496	−.03999	−.03632	−.02729	−.01842		
34.00	−.04489	−.03088	−.02745	−.01900	−.01069		
36.00	−.03597	−.02283	−.01961	−.01166	−.00385		
38.00	−.02804	−.01565	−.01262	−.00512	.00224		
40.00	−.02092	−.00922	−.00635	.00073	.00770		
45.00	−.00603	.00425	.00677	.01300	.01914		
50.00	.00575	.01490	.01715	.02271	.02819		
55.00	.01528	.02351	.02554	.03055	.03550		
60.00	.02313	.03060	.03245	.03701	.04152		
65.00	.02970	.03653	.03822	.04241	.04655		
70.00	.03527	.04155	.04311	.04697	.05080		
75.00	.04006	.04585	.04729	.05088	.05443		
80.00	.04422	.04956	.05090	.05425	.05756		
85.00	.04787	.05281	.05406	.05718	.06029		
90.00	.05111	.05566	.05683	.05976	.06268		
95.00	.05399	.05819	.05928	.06203	.06479		
100.00	.05659	.06046	.06148	.06406	.06665		
125.00	.06652	.06898	.06969	.07156	.07352		
150.00	.07017	.07470	.07517	.07647	.07792		
175.00	.07368	.07880	.07913	.08003	.08107		
200.00	.07605	.07834	.07890	.08272	.08348		

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$T^{*2}\frac{d^2B^*}{dT^{*2}}$ *for the (14, 6, 8) potential function*

T^*	γ						
	0.	0.2	0.4	0.6	0.8	1.0	1.5
.25	−759.69737	−744.08322	−729.14707	−714.84308	−701.13009	−687.97100	−657.28316
.275	−476.19255	−466.26521	−456.75999	−447.64882	−438.90632	−430.50974	−410.90068
.30	−320.82536	−314.04295	−307.54280	−301.30629	−295.31670	−289.55898	−276.09259
.325	−228.62434	−223.72501	−219.02510	−214.51161	−210.17283	−205.99824	−196.21970
.35	−170.33563	−166.63720	−163.08600	−159.67249	−156.38813	−153.22521	−145.80507
.375	−131.54814	−128.65569	−125.87586	−123.20139	−120.62580	−118.14324	−112.31045
.40	−104.62475	−102.29644	−100.05680	−97.90016	−95.82146	−93.81612	−89.09757
.425	−85.26588	−83.34652	−81.49868	−79.71784	−77.99990	−76.34121	−72.43274
.45	−70.92509	−69.31107	−67.75594	−66.25598	−64.80784	−63.40853	−60.10670
.475	−60.02756	−58.64737	−57.31651	−56.03187	−54.79066	−53.59038	−50.75445
.50	−51.56270	−50.36549	−49.21023	−48.09428	−47.01526	−45.97107	−43.50081
.525	−44.86063	−43.80936	−42.79422	−41.81294	−40.86347	−39.94401	−37.76621
.55	−39.46474	−38.53180	−37.63032	−36.75833	−35.91406	−35.09593	−33.15594
.575	−35.05586	−34.22025	−33.41233	−32.63035	−31.87275	−31.13814	−29.39432
.60	−31.40596	−30.65148	−29.92156	−29.21465	−28.52937	−27.86451	−26.28461
.65	−25.76137	−25.13349	−24.52540	−23.93583	−23.36368	−22.80797	−21.48492
.70	−21.64532	−21.11089	−20.59278	−20.08997	−19.60153	−19.12666	−17.99414
.75	−18.54359	−18.08036	−17.63089	−17.19431	−16.76983	−16.35677	−15.37015
.80	−16.14160	−15.73411	−15.33839	−14.95372	−14.57941	−14.21488	−13.34296
.85	−14.23839	−13.87548	−13.52281	−13.17973	−12.84566	−12.52008	−11.74034
.90	−12.70068	−12.37414	−12.05659	−11.74748	−11.44629	−11.15255	−10.44828
.95	−11.43732	−11.14091	−10.85249	−10.57156	−10.29767	−10.03040	−9.38891
1.00	−10.38418	−10.11309	−9.84916	−9.59195	−9.34104	−9.09606	−8.50752
1.10	−8.73603	−8.50498	−8.27984	−8.06021	−7.84575	−7.63616	−7.13180
1.20	−7.51229	−7.31138	−7.11545	−6.92416	−6.73722	−6.55438	−6.11375
1.30	−6.57246	−6.39498	−6.22177	−6.05255	−5.88706	−5.72508	−5.33424
1.40	−5.83068	−5.67189	−5.51682	−5.36522	−5.21688	−5.07160	−4.72068
1.50	−5.23189	−5.08832	−4.94805	−4.81084	−4.67651	−4.54487	−4.22662
1.60	−4.73935	−4.60841	−4.48041	−4.35516	−4.23247	−4.11219	−3.82114
1.70	−4.32769	−4.20739	−4.08974	−3.97456	−3.86170	−3.75100	−3.48295
1.80	−3.97890	−3.86768	−3.75886	−3.65229	−3.54782	−3.44532	−3.19694
1.90	−3.67987	−3.57647	−3.47528	−3.37615	−3.27893	−3.18351	−2.95216
2.00	−3.42084	−3.32426	−3.22972	−3.13706	−3.04617	−2.95694	−2.74046
2.20	−2.99488	−2.90960	−2.82607	−2.74417	−2.66378	−2.58481	−2.39306
2.40	−2.65961	−2.58330	−2.50852	−2.43516	−2.36313	−2.29234	−2.12030
2.60	−2.38912	−2.32010	−2.25244	−2.18604	−2.12081	−2.05668	−1.90073
2.80	−2.16645	−2.10347	−2.04171	−1.98108	−1.92149	−1.86289	−1.72031
3.00	−1.98003	−1.92214	−1.86534	−1.80957	−1.75475	−1.70081	−1.56950
3.20	−1.82174	−1.76818	−1.71563	−1.66400	−1.61324	−1.56329	−1.44163
3.40	−1.68567	−1.63586	−1.58697	−1.53893	−1.49168	−1.44517	−1.33185
3.60	−1.56749	−1.52094	−1.47524	−1.43032	−1.38614	−1.34264	−1.23661
3.80	−1.46389	−1.42020	−1.37731	−1.33514	−1.29366	−1.25280	−1.15319
4.00	−1.37233	−1.33119	−1.29078	−1.25105	−1.21196	−1.17346	−1.07954
4.50	−1.18413	−1.14823	−1.11296	−1.07827	−1.04411	−1.01046	−.92832
5.00	−1.03835	−1.00653	−.97526	−.94448	−.91418	−.88431	−.81136
5.50	−.92210	−.89354	−.86547	−.83784	−.81062	−.78378	−.71820
6.00	−.82723	−.80135	−.77589	−.75083	−.72613	−.70177	−.64224
6.50	−.74833	−.72467	−.70140	−.67848	−.65589	−.63360	−.57911
7.00	−.68169	−.65991	−.63848	−.61737	−.59656	−.57603	−.52580
7.50	−.62464	−.60447	−.58462	−.56506	−.54578	−.52675	−.48019

$T^{*2}\frac{d^2B^*}{dT^{*2}}$ *for the (14, 6, 8) potential function*—Continued

T*	γ						
	0.	0.2	0.4	0.6	0.8	1.0	1.5
8.00	−.57525	−.55647	−.53799	−.51978	−.50182	−.48410	−.44071
8.50	−.53207	−.51452	−.49723	−.48020	−.46340	−.44681	−.40620
9.00	−.49400	−.47752	−.46130	−.44530	−.42952	−.41394	−.37578
9.50	−.46018	−.44466	−.42937	−.41430	−.39943	−.38474	−.34876
10.00	−.42994	−.41527	−.40082	−.38657	−.37251	−.35862	−.32460
11.00	−.37812	−.36492	−.35190	−.33907	−.32640	−.31388	−.28320
12.00	−.33535	−.32335	−.31152	−.29985	−.28833	−.27694	−.24902
13.00	−.29943	−.28845	−.27761	−.26692	−.25636	−.24593	−.22033
14.00	−.26886	−.25873	−.24874	−.23888	−.22914	−.21951	−.19589
15.00	−.24251	−.23312	−.22386	−.21472	−.20568	−.19675	−.17482
16.00	−.21957	−.21082	−.20220	−.19367	−.18525	−.17692	−.15648
17.00	−.19942	−.19124	−.18316	−.17519	−.16731	−.15951	−.14036
18.00	−.18158	−.17390	−.16632	−.15882	−.15142	−.14409	−.12608
19.00	−.16568	−.15844	−.15129	−.14423	−.13725	−.13034	−.11336
20.00	−.15142	−.14458	−.13782	−.13114	−.12454	−.11800	−.10194
22.00	−.12689	−.12074	−.11465	−.10863	−.10268	−.09679	−.08230
24.00	−.10658	−.10098	−.09545	−.08998	−.08457	−.07921	−.06602
26.00	−.08947	−.08435	−.07928	−.07427	−.06931	−.06440	−.05231
28.00	−.07488	−.07016	−.06549	−.06087	−.05630	−.05176	−.04060
30.00	−.06230	−.05792	−.05360	−.04931	−.04507	−.04086	−.03051
32.00	−.05133	−.04726	−.04323	−.03924	−.03528	−.03136	−.02171
34.00	−.04170	−.03790	−.03412	−.03039	−.02669	−.02302	−.01397
36.00	−.03318	−.02961	−.02606	−.02255	−.01908	−.01563	−.00713
38.00	−.02559	−.02222	−.01888	−.01558	−.01230	−.00905	−.00103
40.00	−.01879	−.01560	−.01245	−.00932	−.00622	−.00314	.00444
45.00	−.00453	−.00173	.00104	.00379	.00652	.00922	.01590
50.00	.00675	.00924	.01172	.01417	.01660	.01901	.02498
55.00	.01588	.01812	.02035	.02256	.02475	.02693	.03232
60.00	.02340	.02544	.02747	.02948	.03147	.03346	.03836
65.00	.02969	.03156	.03342	.03526	.03709	.03891	.04342
70.00	.03501	.03674	.03845	.04016	.04185	.04353	.04769
75.00	.03957	.04117	.04276	.04435	.04592	.04748	.05135
80.00	.04351	.04500	.04649	.04797	.04944	.05090	.05451
85.00	.04694	.04834	.04973	.05112	.05250	.05387	.05726
90.00	.04996	.05127	.05258	.05388	.05518	.05647	.05967
95.00	.05262	.05386	.05509	.05632	.05755	.05877	.06179
100.00	.05499	.05616	.05732	.05849	.05965	.06081	.06368
125.00	.06376	.06463	.06552	.06642	.06733	.06824	.07052
150.00	.06945	.07008	.07074	.07143	.07215	.07287	.07472
175.00	.07354	.07395	.07442	.07492	.07546	.07603	.07753
200.00	.07665	.07690	.07721	.07755	.07794	.07837	.07954

$T^{*2}\frac{d^2B^*}{dT^{*2}}$ *for the (15, 6, 8) potential function*

T*	γ						
	0.	0.2	0.4	0.6	0.8	1.0	1.5
.25	−725.35473	−709.23928	−693.87417	−679.20587	−665.18659	−651.77341	−620.64669
.275	−454.70814	−444.45512	−434.66941	−425.31814	−416.37199	−407.80461	−387.89273
.30	−306.37986	−299.37046	−292.67352	−286.26735	−280.13258	−274.25185	−260.56207
.325	−218.35130	−213.28493	−208.43934	−203.79935	−199.35145	−195.08352	−185.13169
.35	−162.69738	−158.87069	−155.20696	−151.69511	−148.32527	−145.08859	−137.52878
.375	−125.66113	−122.66678	−119.79707	−117.04357	−114.39881	−111.85608	−105.90728
.40	−99.95191	−97.54038	−95.22697	−93.00510	−90.86893	−88.81322	−83.99602
.425	−81.46505	−79.47616	−77.56641	−75.73053	−73.96383	−72.26210	−68.26812
.45	−67.76946	−66.09627	−64.48822	−62.94098	−61.45072	−60.01400	−56.63689
.475	−57.36166	−55.93030	−54.55348	−53.22761	−51.94948	−50.71624	−47.81318
.50	−49.27676	−48.03471	−46.83903	−45.68666	−44.57488	−43.50128	−40.97053
.525	−42.87518	−41.78416	−40.73307	−39.71926	−38.74042	−37.79447	−35.56165
.55	−37.72094	−36.75242	−35.81865	−34.91735	−34.04651	−33.20431	−31.21388
.575	−33.50929	−32.64156	−31.80439	−30.99578	−30.21395	−29.45731	−27.66696
.60	−30.02249	−29.23879	−28.48219	−27.75091	−27.04339	−26.35823	−24.73516
.65	−24.62973	−23.97722	−23.34651	−22.73618	−22.14496	−21.57173	−20.21097
.70	−20.69694	−20.14129	−19.60363	−19.08278	−18.57769	−18.08743	−16.92144
.75	−17.73303	−17.25123	−16.78458	−16.33207	−15.89283	−15.46607	−14.44937
.80	−15.43758	−15.01359	−14.60258	−14.20367	−13.81611	−13.43924	−12.54001
.85	−13.61861	−13.24091	−12.87446	−12.51853	−12.17245	−11.83564	−11.03089
.90	−12.14886	−11.80891	−11.47885	−11.15802	−10.84586	−10.54183	−9.81449
.95	−10.94124	−10.63257	−10.33270	−10.04102	−9.75703	−9.48026	−8.81736
1.00	−9.93449	−9.65212	−9.37764	−9.11049	−8.85023	−8.59644	−7.98792
1.10	−8.35877	−8.11803	−7.88377	−7.65552	−7.43292	−7.21562	−6.69365
1.20	−7.18867	−6.97927	−6.77531	−6.57643	−6.38228	−6.19258	−5.73620
1.30	−6.28993	−6.10490	−5.92453	−5.74851	−5.57656	−5.40841	−5.00333
1.40	−5.58051	−5.41492	−5.25339	−5.09565	−4.94145	−4.79057	−4.42664
1.50	−5.00778	−4.85804	−4.71189	−4.56908	−4.42938	−4.29261	−3.96240
1.60	−4.53664	−4.40004	−4.26666	−4.13625	−4.00862	−3.88360	−3.58148
1.70	−4.14284	−4.01732	−3.89469	−3.77474	−3.65730	−3.54220	−3.26383
1.80	−3.80915	−3.69308	−3.57964	−3.46863	−3.35990	−3.25329	−2.99526
1.90	−3.52305	−3.41514	−3.30962	−3.20634	−3.10513	−3.00586	−2.76545
2.00	−3.27520	−3.17439	−3.07580	−2.97925	−2.88460	−2.79175	−2.56672
2.20	−2.86760	−2.77857	−2.69143	−2.60606	−2.52232	−2.44011	−2.24068
2.40	−2.54674	−2.46706	−2.38903	−2.31255	−2.23749	−2.16376	−1.98477
2.60	−2.28786	−2.21578	−2.14517	−2.07591	−2.00793	−1.94112	−1.77879
2.80	−2.07473	−2.00894	−1.94447	−1.88122	−1.81911	−1.75804	−1.60958
3.00	−1.89628	−1.83580	−1.77651	−1.71832	−1.66115	−1.60493	−1.46817
3.20	−1.74475	−1.68879	−1.63391	−1.58004	−1.52710	−1.47502	−1.34828
3.40	−1.61449	−1.56243	−1.51137	−1.46123	−1.41194	−1.36345	−1.24537
3.60	−1.50133	−1.45268	−1.40495	−1.35806	−1.31196	−1.26660	−1.15608
3.80	−1.40214	−1.35648	−1.31167	−1.26765	−1.22436	−1.18175	−1.07790
4.00	−1.31447	−1.27147	−1.22925	−1.18777	−1.14697	−1.10680	−1.00887
4.50	−1.13425	−1.09672	−1.05986	−1.02363	−.98797	−.95285	−.86717
5.00	−.99464	−.96137	−.92868	−.89653	−.86488	−.83370	−.75758
5.50	−.88330	−.85344	−.82408	−.79521	−.76677	−.73875	−.67030
6.00	−.79244	−.76536	−.73873	−.71254	−.68673	−.66129	−.59913
6.50	−.71686	−.69210	−.66776	−.64380	−.62019	−.59690	−.53999
7.00	−.65302	−.63022	−.60780	−.58573	−.56398	−.54252	−.49005
7.50	−.59836	−.57725	−.55648	−.53602	−.51586	−.49597	−.44732

$T^{*2}\frac{d^2B^*}{dT^{*2}}$ *for the (15, 6, 8) potential function*—Continued

T*	γ						
	0.	0.2	0.4	0.6	0.8	1.0	1.5
8.00	−.55104	−.53138	−.51204	−.49299	−.47421	−.45568	−.41034
8.50	−.50967	−.49129	−.47320	−.45538	−.43780	−.42046	−.37801
9.00	−.47319	−.45593	−.43894	−.42221	−.40570	−.38940	−.34951
9.50	−.44078	−.42452	−.40851	−.39274	−.37718	−.36181	−.32419
10.00	−.41180	−.39643	−.38130	−.36638	−.35167	−.33714	−.30155
11.00	−.36214	−.34830	−.33467	−.32122	−.30796	−.29486	−.26276
12.00	−.32114	−.30856	−.29616	−.28394	−.27187	−.25995	−.23073
13.00	−.28671	−.27519	−.26383	−.25263	−.24157	−.23064	−.20384
14.00	−.25739	−.24677	−.23629	−.22596	−.21575	−.20567	−.18093
15.00	−.23213	−.22228	−.21256	−.20298	−.19351	−.18415	−.16118
16.00	−.21013	−.20095	−.19190	−.18296	−.17413	−.16540	−.14398
17.00	−.19081	−.18222	−.17374	−.16538	−.15711	−.14893	−.12886
18.00	−.17370	−.16563	−.15767	−.14980	−.14203	−.13435	−.11548
19.00	−.15844	−.15084	−.14333	−.13592	−.12859	−.12134	−.10354
20.00	−.14476	−.13757	−.13047	−.12346	−.11653	−.10967	−.09283
22.00	−.12123	−.11475	−.10835	−.10203	−.09578	−.08960	−.07440
24.00	−.10172	−.09584	−.09002	−.08427	−.07859	−.07296	−.05911
26.00	−.08530	−.07991	−.07458	−.06931	−.06410	−.05894	−.04624
28.00	−.07129	−.06632	−.06141	−.05655	−.05174	−.04697	−.03525
30.00	−.05921	−.05460	−.05004	−.04553	−.04107	−.03665	−.02576
32.00	−.04867	−.04438	−.04013	−.03593	−.03177	−.02765	−.01749
34.00	−.03942	−.03540	−.03143	−.02749	−.02360	−.01973	−.01022
36.00	−.03123	−.02745	−.02372	−.02002	−.01636	−.01273	−.00379
38.00	−.02393	−.02037	−.01685	−.01336	−.00991	−.00649	.00195
40.00	−.01738	−.01402	−.01069	−.00740	−.00413	−.00089	.00710
45.00	−.00367	−.00071	.00222	.00512	.00800	.01085	.01788
50.00	.00720	.00983	.01244	.01503	.01760	.02015	.02643
55.00	.01599	.01837	.02072	.02306	.02537	.02767	.03335
60.00	.02324	.02540	.02755	.02967	.03178	.03388	.03905
65.00	.02930	.03129	.03326	.03521	.03715	.03907	.04382
70.00	.03444	.03628	.03809	.03990	.04169	.04347	.04786
75.00	.03885	.04055	.04224	.04392	.04558	.04723	.05132
80.00	.04265	.04424	.04582	.04739	.04894	.05049	.05431
85.00	.04597	.04746	.04894	.05041	.05187	.05332	.05691
90.00	.04888	.05029	.05168	.05307	.05444	.05581	.05919
95.00	.05145	.05278	.05410	.05541	.05671	.05801	.06120
100.00	.05373	.05499	.05625	.05749	.05873	.05995	.06299
125.00	.06208	.06309	.06409	.06508	.06607	.06705	.06948
150.00	.06727	.06810	.06893	.06976	.07059	.07141	.07344
175.00	.07074	.07143	.07214	.07284	.07355	.07426	.07601
200.00	.07324	.07380	.07438	.07498	.07559	.07621	.07775

$T^{*2}\frac{d^2B^*}{dT^{*2}}$ *for the (16, 6, 8) potential function*

T^*	γ					
	0.	0.2	0.4	0.6	0.8	1.0
.25	−695.17476	−678.72607	−663.08714	−648.19777	−634.00443	−620.45921
.275	−435.84673	−425.37458	−415.40685	−405.90660	−396.84110	−388.18087
.30	−293.71035	−286.54655	−279.72005	−273.20652	−266.98433	−261.03412
.325	−209.34983	−204.16872	−199.22595	−194.50451	−189.98935	−185.66693
.35	−156.01069	−152.09511	−148.35546	−144.77933	−141.35571	−138.07473
.375	−120.51206	−117.44655	−114.51556	−111.70970	−109.02062	−106.44088
.40	−95.86825	−93.39820	−91.03404	−88.76843	−86.59486	−84.50752
.425	−78.14612	−76.10805	−74.15536	−72.28217	−70.48329	−68.75405
.45	−65.01606	−63.30076	−61.65573	−60.07615	−58.55775	−57.09675
.475	−55.03726	−53.56930	−52.16018	−50.80586	−49.50281	−48.24786
.50	−47.28504	−46.01078	−44.78650	−43.60881	−42.47471	−41.38152
.525	−41.14642	−40.02673	−38.95006	−37.91350	−36.91447	−35.95068
.55	−36.20355	−35.20926	−34.25242	−33.33049	−32.44123	−31.58266
.575	−32.16433	−31.27326	−30.41510	−29.58764	−28.78890	−28.01716
.60	−28.82006	−28.01505	−27.23922	−26.49062	−25.76749	−25.06830
.65	−23.64722	−22.97664	−22.32953	−21.70430	−21.09955	−20.51406
.70	−19.87433	−19.30306	−18.75112	−18.21723	−17.70022	−17.19908
.75	−17.03058	−16.53505	−16.05579	−15.59170	−15.14181	−14.70527
.80	−14.82793	−14.39172	−13.96942	−13.56011	−13.16294	−12.77719
.85	−13.08231	−12.69360	−12.31696	−11.95159	−11.59675	−11.25182
.90	−11.67168	−11.32172	−10.98238	−10.65292	−10.33271	−10.02119
.95	−10.51252	−10.19470	−9.88630	−9.58666	−9.29523	−9.01151
1.00	−9.54608	−9.25528	−8.97291	−8.69840	−8.43122	−8.17094
1.10	−8.03326	−7.78524	−7.54413	−7.30946	−7.08081	−6.85779
1.20	−6.90969	−6.69389	−6.48390	−6.27931	−6.07978	−5.88497
1.30	−6.04656	−5.85582	−5.67006	−5.48893	−5.31212	−5.13936
1.40	−5.36517	−5.19442	−5.02802	−4.86564	−4.70703	−4.55193
1.50	−4.81500	−4.66057	−4.50996	−4.36291	−4.21917	−4.07852
1.60	−4.36236	−4.22147	−4.08398	−3.94967	−3.81830	−3.68970
1.70	−3.98399	−3.85450	−3.72808	−3.60451	−3.48360	−3.36516
1.80	−3.66336	−3.54360	−3.42663	−3.31224	−3.20026	−3.09054
1.90	−3.38842	−3.27706	−3.16825	−3.06180	−2.95755	−2.85535
2.00	−3.15022	−3.04618	−2.94449	−2.84496	−2.74746	−2.65184
2.20	−2.75846	−2.66655	−2.57665	−2.48862	−2.40232	−2.31763
2.40	−2.45003	−2.36775	−2.28724	−2.20835	−2.13097	−2.05500
2.60	−2.20114	−2.12671	−2.05383	−1.98239	−1.91228	−1.84341
2.80	−1.99622	−1.92828	−1.86173	−1.79647	−1.73240	−1.66944
3.00	−1.82464	−1.76217	−1.70095	−1.64090	−1.58192	−1.52394
3.20	−1.67892	−1.62111	−1.56445	−1.50884	−1.45422	−1.40050
3.40	−1.55365	−1.49987	−1.44714	−1.39538	−1.34451	−1.29448
3.60	−1.44483	−1.39456	−1.34525	−1.29685	−1.24927	−1.20245
3.80	−1.34942	−1.30224	−1.25595	−1.21050	−1.16581	−1.12183
4.00	−1.26510	−1.22065	−1.17704	−1.13420	−1.09208	−1.05062
4.50	−1.09174	−1.05294	−1.01486	−.97742	−.94060	−.90434
5.00	−.95743	−.92303	−.88924	−.85602	−.82333	−.79112
5.50	−.85031	−.81942	−.78908	−.75924	−.72986	−.70090
6.00	−.76288	−.73487	−.70734	−.68026	−.65359	−.62731
6.50	−.69016	−.66454	−.63937	−.61459	−.59018	−.56612
7.00	−.62872	−.60513	−.58194	−.55911	−.53662	−.51444
7.50	−.57612	−.55427	−.53278	−.51162	−.49077	−.47021

$T^{*2}\frac{d^2B^*}{dT^{*2}}$ *for the (16, 6, 8) potential function* — Continued

T*	γ					
	0.	0.2	0.4	0.6	0.8	1.0
8.00	−.53057	−.51023	−.49021	−.47051	−.45108	−.43192
8.50	−.49075	−.47172	−.45300	−.43456	−.41638	−.39844
9.00	−.45564	−.43777	−.42019	−.40286	−.38578	−.36893
9.50	−.42444	−.40760	−.39103	−.37470	−.35860	−.34270
10.00	−.39654	−.38062	−.36496	−.34952	−.33429	−.31925
11.00	−.34873	−.33439	−.32027	−.30635	−.29262	−.27906
12.00	−.30925	−.29622	−.28337	−.27071	−.25822	−.24588
13.00	−.27610	−.26416	−.25239	−.24078	−.22932	−.21800
14.00	−.24787	−.23685	−.22599	−.21528	−.20471	−.19426
15.00	−.22354	−.21332	−.20325	−.19331	−.18349	−.17379
16.00	−.20235	−.19282	−.18343	−.17417	−.16501	−.15596
17.00	−.18373	−.17482	−.16603	−.15735	−.14877	−.14030
18.00	−.16725	−.15887	−.15061	−.14245	−.13439	−.12642
19.00	−.15255	−.14465	−.13686	−.12917	−.12157	−.11405
20.00	−.13936	−.13190	−.12453	−.11725	−.11006	−.10294
22.00	−.11669	−.10995	−.10331	−.09675	−.09026	−.08384
24.00	−.09789	−.09176	−.08572	−.07975	−.07384	−.06799
26.00	−.08205	−.07644	−.07090	−.06543	−.06001	−.05465
28.00	−.06854	−.06337	−.05826	−.05320	−.04820	−.04325
30.00	−.05688	−.05208	−.04734	−.04265	−.03801	−.03341
32.00	−.04672	−.04225	−.03782	−.03345	−.02912	−.02483
34.00	−.03779	−.03360	−.02946	−.02537	−.02131	−.01729
36.00	−.02988	−.02595	−.02205	−.01820	−.01439	−.01062
38.00	−.02283	−.01912	−.01545	−.01182	−.00823	−.00466
40.00	−.01651	−.01300	−.00953	−.00610	−.00269	.00068
45.00	−.00326	−.00017	.00288	.00591	.00891	.01188
50.00	.00724	.01000	.01272	.01542	.01810	.02076
55.00	.01575	.01823	.02070	.02313	.02555	.02795
60.00	.02277	.02503	.02727	.02949	.03170	.03388
65.00	.02864	.03072	.03278	.03482	.03684	.03885
70.00	.03362	.03554	.03745	.03933	.04120	.04306
75.00	.03789	.03968	.04145	.04320	.04494	.04667
80.00	.04159	.04326	.04491	.04655	.04818	.04979
85.00	.04481	.04638	.04793	.04947	.05099	.05251
90.00	.04764	.04912	.05058	.05203	.05347	.05490
95.00	.05014	.05154	.05292	.05429	.05565	.05701
100.00	.05236	.05369	.05500	.05630	.05760	.05888
125.00	.06050	.06156	.06261	.06366	.06469	.06572
150.00	.06555	.06644	.06733	.06820	.06907	.06993
175.00	.06888	.06966	.07043	.07119	.07194	.07269
200.00	.07118	.07187	.07255	.07323	.07390	.07456

$T^{*2}\frac{d^2B^*}{dT^{*2}}$ *for the (17, 6, 8) potential function*

T^*	γ					
	0.	0.2	0.4	0.6	0.8	1.0
.25	−668.42009	−651.75719	−635.95291	−620.94132	−606.66395	−593.06860
.275	−419.14077	−408.52504	−398.44436	−388.85823	−379.73090	−371.03034
.30	−282.49836	−275.23172	−268.32287	−261.74521	−255.47517	−249.49167
.325	−201.39052	−196.13190	−191.12610	−186.35456	−181.80087	−177.45033
.35	−150.10292	−146.12654	−142.33677	−138.72009	−135.26451	−131.95934
.375	−115.96629	−112.85156	−109.87952	−107.03992	−104.32371	−101.72279
.40	−92.26573	−89.75481	−87.35619	−85.06188	−82.86482	−80.75871
.425	−75.22029	−73.14757	−71.16539	−69.26736	−67.44782	−65.70174
.45	−62.59040	−60.84523	−59.17454	−57.57311	−56.03633	−54.56008
.475	−52.99084	−51.49675	−50.06500	−48.69125	−47.37165	−46.10278
.50	−45.53258	−44.23516	−42.99072	−41.79555	−40.64642	−39.54044
.525	−39.62621	−38.48580	−37.39097	−36.33856	−35.32577	−34.35015
.55	−34.86994	−33.85695	−32.88361	−31.94718	−31.04526	−30.17569
.575	−30.98288	−30.07479	−29.20155	−28.36075	−27.55027	−26.76825
.60	−27.76432	−26.94372	−26.15401	−25.39306	−24.65900	−23.95017
.65	−22.78537	−22.10148	−21.44241	−20.80646	−20.19211	−19.59804
.70	−19.15335	−18.57049	−18.00808	−17.46471	−16.93914	−16.43028
.75	−16.41538	−15.90962	−15.42105	−14.94848	−14.49087	−14.04732
.80	−14.29437	−13.84901	−13.41835	−13.00137	−12.59718	−12.20500
.85	−12.61324	−12.21627	−11.83204	−11.45967	−11.09839	−10.74752
.90	−11.25457	−10.89708	−10.55078	−10.21489	−9.88873	−9.57170
.95	−10.13797	−9.81323	−9.49842	−9.19284	−8.89589	−8.60702
1.00	−9.20691	−8.90972	−8.62142	−8.34137	−8.06904	−7.80394
1.10	−7.74927	−7.49571	−7.24943	−7.00990	−6.77669	−6.54940
1.20	−6.66648	−6.44579	−6.23121	−6.02231	−5.81870	−5.62004
1.30	−5.83455	−5.63944	−5.44956	−5.26453	−5.08403	−4.90777
1.40	−5.17768	−5.00298	−4.83285	−4.66693	−4.50494	−4.34664
1.50	−4.64724	−4.48921	−4.33518	−4.18488	−4.03804	−3.89443
1.60	−4.21079	−4.06658	−3.92594	−3.78863	−3.65439	−3.52304
1.70	−3.84590	−3.71334	−3.58400	−3.45765	−3.33406	−3.21306
1.80	−3.53666	−3.41405	−3.29436	−3.17737	−3.06289	−2.95075
1.90	−3.27147	−3.15744	−3.04609	−2.93719	−2.83059	−2.72613
2.00	−3.04170	−2.93516	−2.83107	−2.72924	−2.62952	−2.53176
2.20	−2.66375	−2.56961	−2.47757	−2.38748	−2.29919	−2.21257
2.40	−2.36615	−2.28187	−2.19942	−2.11867	−2.03948	−1.96175
2.60	−2.12598	−2.04971	−1.97507	−1.90192	−1.83016	−1.75969
2.80	−1.92822	−1.85859	−1.79042	−1.72359	−1.65799	−1.59355
3.00	−1.76261	−1.69858	−1.63586	−1.57435	−1.51396	−1.45460
3.20	−1.62195	−1.56269	−1.50463	−1.44767	−1.39173	−1.33672
3.40	−1.50102	−1.44589	−1.39185	−1.33882	−1.28672	−1.23548
3.60	−1.39597	−1.34443	−1.29390	−1.24430	−1.19555	−1.14760
3.80	−1.30386	−1.25548	−1.20804	−1.16145	−1.11566	−1.07061
4.00	−1.22245	−1.17687	−1.13216	−1.08826	−1.04509	−1.00260
4.50	−1.05505	−1.01526	−.97621	−.93783	−.90008	−.86292
5.00	−.92535	−.89006	−.85541	−.82134	−.78783	−.75481
5.50	−.82190	−.79021	−.75908	−.72847	−.69834	−.66865
6.00	−.73745	−.70871	−.68046	−.65268	−.62533	−.59837
6.50	−.66721	−.64092	−.61508	−.58966	−.56462	−.53993
7.00	−.60786	−.58364	−.55984	−.53642	−.51334	−.49058
7.50	−.55704	−.53461	−.51255	−.49084	−.46944	−.44833

$T^{*2}\frac{d^2B^*}{dT^{*2}}$ *for the (17, 6, 8) potential function*— Continued

T^*	γ					
	0.	0.2	0.4	0.6	0.8	1.0
8.00	−.51304	−.49215	−.47160	−.45137	−.43143	−.41176
8.50	−.47457	−.45503	−.43580	−.41687	−.39821	−.37979
9.00	−.44065	−.42229	−.40423	−.38644	−.36890	−.35160
9.50	−.41050	−.39320	−.37618	−.35941	−.34287	−.32655
10.00	−.38354	−.36719	−.35109	−.33523	−.31959	−.30415
11.00	−.33734	−.32260	−.30809	−.29379	−.27968	−.26575
12.00	−.29919	−.28578	−.27258	−.25957	−.24673	−.23405
13.00	−.26715	−.25486	−.24276	−.23083	−.21905	−.20741
14.00	−.23986	−.22852	−.21735	−.20634	−.19547	−.18472
15.00	−.21633	−.20582	−.19545	−.18523	−.17514	−.16516
16.00	−.19585	−.18604	−.17638	−.16685	−.15743	−.14812
17.00	−.17785	−.16867	−.15962	−.15069	−.14187	−.13315
18.00	−.16191	−.15328	−.14477	−.13638	−.12809	−.11988
19.00	−.14769	−.13956	−.13154	−.12362	−.11579	−.10805
20.00	−.13494	−.12725	−.11966	−.11216	−.10476	−.09744
22.00	−.11300	−.10606	−.09922	−.09246	−.08578	−.07916
24.00	−.09481	−.08850	−.08227	−.07612	−.07003	−.06401
26.00	−.07949	−.07371	−.06799	−.06235	−.05676	−.05124
28.00	−.06642	−.06108	−.05580	−.05059	−.04543	−.04033
30.00	−.05513	−.05017	−.04528	−.04044	−.03565	−.03091
32.00	−.04529	−.04067	−.03610	−.03159	−.02712	−.02270
34.00	−.03664	−.03231	−.02804	−.02381	−.01963	−.01548
36.00	−.02898	−.02491	−.02089	−.01692	−.01298	−.00908
38.00	−.02215	−.01831	−.01452	−.01077	−.00706	−.00338
40.00	−.01602	−.01240	−.00881	−.00526	−.00175	.00174
45.00	−.00317	.00002	.00318	.00631	.00941	.01248
50.00	.00701	.00986	.01269	.01548	.01825	.02099
55.00	.01527	.01784	.02039	.02291	.02542	.02789
60.00	.02208	.02443	.02675	.02905	.03133	.03359
65.00	.02779	.02995	.03208	.03419	.03629	.03837
70.00	.03264	.03463	.03660	.03856	.04049	.04242
75.00	.03679	.03865	.04048	.04230	.04410	.04589
80.00	.04039	.04212	.04384	.04554	.04722	.04889
85.00	.04353	.04516	.04677	.04836	.04994	.05151
90.00	.04629	.04782	.04934	.05084	.05234	.05382
95.00	.04873	.05018	.05162	.05304	.05445	.05585
100.00	.05090	.05228	.05364	.05499	.05633	.05766
125.00	.05886	.05997	.06106	.06214	.06321	.06427
150.00	.06383	.06475	.06567	.06658	.06748	.06837
175.00	.06712	.06792	.06872	.06951	.07029	.07106
200.00	.06939	.07011	.07082	.07152	.07221	.07290

$T^{*2}\frac{d^2B^*}{dT^{*2}}$ *for the (18, 6, 8) potential function*

T*	γ						
	0.	0.2	0.4	0.6			
.25	−644.52021	−627.72847	−611.83562	−596.77082			
.275	−404.22915	−393.52423	−383.37954	−373.75163			
.30	−272.49831	−265.16598	−258.20837	−251.59695			
.325	−194.29682	−188.98755	−183.94307	−179.14349			
.35	−144.84138	−140.82450	−137.00308	−133.36263			
375	−111.92053	−108.77249	−105.77388	−102.91374			
.40	−89.06154	−86.52257	−84.10120	−81.78890			
.425	−72.61958	−70.52280	−68.52082	−66.60680			
.45	−60.43556	−58.66941	−56.98124	−55.36547			
.475	−51.17392	−49.66132	−48.21396	−46.82722			
.50	−43.97747	−42.66353	−41.40502	−40.19800			
.525	−38.27788	−37.12258	−36.01496	−34.95165			
.55	−33.68769	−32.66116	−31.67610	−30.72961			
.575	−29.93599	−29.01552	−28.13148	−27.28132			
.60	−26.82924	−25.99724	−25.19753	−24.42785			
.65	−22.02263	−21.32893	−20.66115	−20.01749			
.70	−18.51574	−17.92428	−17.35417	−16.80391			
.75	−15.87168	−15.35827	−14.86280	−14.38402			
.80	−13.82311	−13.37088	−12.93398	−12.51133			
.85	−12.19917	−11.79596	−11.40604	−11.02847			
.90	−10.88654	−10.52335	−10.17182	−9.83112			
.95	−9.80765	−9.47767	−9.15801	−8.84796			
1.00	−8.90793	−8.60588	−8.31307	−8.02884			
1.10	−7.49913	−7.24133	−6.99109	−6.74787			
1.20	−6.45240	−6.22796	−6.00986	−5.79765			
1.30	−5.64804	−5.44956	−5.25650	−5.06848			
1.40	−5.01283	−4.83508	−4.66206	−4.49341			
1.50	−4.49981	−4.33898	−4.18231	−4.02949			
1.60	−4.07764	−3.93085	−3.78778	−3.64813			
1.70	−3.72464	−3.58970	−3.45809	−3.32956			
1.80	−3.42545	−3.30062	−3.17881	−3.05978			
1.90	−3.16885	−3.05275	−2.93940	−2.82860			
2.00	−2.94650	−2.83801	−2.73204	−2.62842			
2.20	−2.58072	−2.48483	−2.39112	−2.29941			
2.40	−2.29266	−2.20680	−2.12283	−2.04061			
2.60	−2.06016	−1.98245	−1.90642	−1.83193			
2.80	−1.86868	−1.79774	−1.72829	−1.66021			
3.00	−1.70833	−1.64308	−1.57917	−1.51651			
3.20	−1.57212	−1.51173	−1.45256	−1.39453			
3.40	−1.45502	−1.39882	−1.34374	−1.28970			
3.60	−1.35327	−1.30073	−1.24922	−1.19867			
3.80	−1.26406	−1.21473	−1.16637	−1.11889			
4.00	−1.18520	−1.13873	−1.09315	−1.04840			
4.50	−1.02305	−.98246	−.94264	−.90352			
5.00	−.89740	−.86139	−.82605	−.79132			
5.50	−.79716	−.76483	−.73307	−.70185			
6.00	−.71534	−.68600	−.65719	−.62885			
6.50	−.64727	−.62044	−.59407	−.56813			
7.00	−.58975	−.56504	−.54074	−.51684			
7.50	−.54051	−.51760	−.49509	−.47292			

$T^{*2}\frac{d^2B^*}{dT^{*2}}$ *for the (18, 6, 8) potential function*—Continued

T^*	γ						
	0.	0.2	0.4	0.6			
8.00	−.49786	−.47653	−.45555	−.43490			
8.50	−.46057	−.44062	−.42098	−.40165			
9.00	−.42769	−.40894	−.39050	−.37234			
9.50	−.39847	−.38080	−.36341	−.34629			
10.00	−.37234	−.35563	−.33918	−.32298			
11.00	−.32755	−.31249	−.29766	−.28305			
12.00	−.29056	−.27686	−.26336	−.25007			
13.00	−.25949	−.24693	−.23456	−.22236			
14.00	−.23303	−.22144	−.21002	−.19876			
15.00	−.21022	−.19946	−.18886	−.17841			
16.00	−.19035	−.18032	−.17043	−.16068			
17.00	−.17289	−.16350	−.15424	−.14510			
18.00	−.15743	−.14860	−.13989	−.13130			
19.00	−.14364	−.13531	−.12710	−.11900			
20.00	−.13127	−.12339	−.11562	−.10795			
22.00	−.10998	−.10288	−.09587	−.08894			
24.00	−.09233	−.08586	−.07948	−.07317			
26.00	−.07746	−.07153	−.06567	−.05989			
28.00	−.06477	−.05929	−.05388	−.04854			
30.00	−.05381	−.04872	−.04370	−.03874			
32.00	−.04425	−.03951	−.03483	−.03020			
34.00	−.03585	−.03141	−.02702	−.02268			
36.00	−.02841	−.02423	−.02011	−.01603			
38.00	−.02177	−.01783	−.01394	−.01009			
40.00	−.01582	−.01209	−.00841	−.00476			
45.00	−.00333	−.00004	.00321	.00642			
50.00	.00658	.00952	.01242	.01529			
55.00	.01462	.01727	.01989	.02249			
60.00	.02126	.02367	.02606	.02843			
65.00	.02682	.02904	.03124	.03341			
70.00	.03154	.03360	.03563	.03764			
75.00	.03560	.03751	.03940	.04127			
80.00	.03911	.04089	.04266	.04441			
85.00	.04218	.04385	.04551	.04716			
90.00	.04487	.04645	.04802	.04957			
95.00	.04726	.04876	.05024	.05170			
100.00	.04938	.05080	.05221	.05360			
125.00	.05720	.05833	.05946	.06057			
150.00	.06208	.06304	.06399	.06492			
175.00	.06534	.06617	.06699	.06780			
200.00	.06760	.06834	.06907	.06979			

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U.S. DEPT. OF COMM. BIBLIOGRAPHIC DATA SHEET	1. PUBLICATION OR REPORT NO. NSRDS NBS-47	2. Gov't Accession No.	3. Recipient's Accession No.

4. TITLE AND SUBTITLE

Tables of Collision Integrals and Second Virial Coefficients for the (m,6,8) Intermolecular Potential Function

5. Publication Date: June 1974

6. Performing Organization Code

7. AUTHOR(S)
Max Klein, H.J.M. Hanley, Francis J. Smith, Paul Holland

8. Performing Organization

9. PERFORMING ORGANIZATION NAME AND ADDRESS

NATIONAL BUREAU OF STANDARDS
DEPARTMENT OF COMMERCE
WASHINGTON, D.C. 20234

10. Project/Task/Work Unit No.

11. Contract/Grant No.
AF Delivery Order No. (40-600) 66-938.

12. Sponsoring Organization Name and Address
NBS Office of Standard Reference Data, Washington, D.C. 20234 and The Air Force Systems Command, Arnold Engineering Development Center, Tullahoma, Tennessee 37388.

13. Type of Report & Period Covered
Final

14. Sponsoring Agency Code

15. SUPPLEMENTARY NOTES

Library of Congress Catalog Card No.: 73-600059

16. ABSTRACT (A 200-word or less factual summary of most significant information. If document includes a significant bibliography or literature survey, mention it here.)

Tables of collision integrals and second virial coefficients are presented for the (m,6,8) potential function. Ten values of the repulsive exponent m are included which range in unit steps from m = 9 through m = 18. Approximately 6 values of the parameter, γ, associated with the inverse eighth power term, are included for each value of m. These tables are equivalent, therefore, to tables for 60 three-parameter (m,6) potential functions. Comparisons of our results for m = 12 and γ = 0 (corresponding to the (12,6) function) have been made with other calculations. Based on these comparisons, the accuracy of the present calculation appears to be at least two or three parts in 10,000 depending on the temperature. A table is included which contains the Boyle temperature, the Boyle volume, and the ratio of the intermolecular separation at the potential minimum to the separation at the zero of the potential.

17. KEY WORDS (Alphabetical order, separated by semicolons)
Collision integrals; diffusion; potential; thermal conductivity; thermal diffusion; transport properties; viscosity.

18. AVAILABILITY STATEMENT

[X] UNLIMITED.

[ ] FOR OFFICIAL DISTRIBUTION. DO NOT RELEASE TO NTIS.

19. SECURITY CLASS (THIS REPORT): UNCLASSIFIED

21. NO. OF PAGES: 157

20. SECURITY CLASS (THIS PAGE): UNCLASSIFIED

22. Price: $1.90