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TRANSPORT COEFFICIENTS OF HIGH PRESSURE ARGON IN A MAGNETIC FIELD

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FOREWORD

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ABSTRACT

The thermal and electrical conductivity of ionized argon in chemical equilibrium has been computed for temperatures from 3000 - 25000°K at pressures from 0.001 - 1000 atm. Values are given here for these properties with and without an imposed DC magnetic field up to 200kGauss. A comparison is made of the computed properties with measurements in the wall-stabilized arc.

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INTRODUCTION

Argon has long been favored for used in experiments on ionized gases. The reasons are many: it is relatively cheap and convenient to use, it is ionized at easily attainable temperatures with considerably less energy input than for gases in molecular form at room temperature, and its physical properties are reasonably well-known.

One set of properties needed for interpretation and design of experiments involving ionized gases is the transport coefficients--electrical and thermal conductivity, viscosity and thermal and ordinary diffusion coefficients. These properties were computed for argon in chemical equilibrium at atmospheric pressure several years ago.[1] Since that time better values of the necessary intermolecular potentials and cross sections have become available and experimental measurements of these coefficients have improved in accuracy to the point where a recalculation using the new values is warranted. In addition, it is desirable to extend the calculations to the gas in an imposed steady magnetic field and to pressures considerably above atmospheric. This paper reports the results of such calculations.

CROSS SECTIONS

The average cross sections necessary for computations of transport coefficients with the Chapman-Enskog method are given by the expression[2]

$$\bar{Q}^{(\ell,s)}(T) = \frac{2(\ell+1)}{(s+1)![2\ell+1-(-1)^{\ell}]} \int_0^{\infty} e^{-x} x^{s+1} Q^{(\ell)}(kTx)\, dx \qquad (1)$$

where $x = \mu g^2/2kT = E/kT$ and μ is the reduced mass of the colliding species, ℓ and s are integers whose values depend on the level of approximation used in the Chapman-Enskog method and $Q^{(\ell)}(E)$ is related to the differential cross section $\sigma(E,\chi)$ by

$$Q^{(\ell)}(E) = 2\pi \int_0^{\pi} \sigma(E,\chi)\,(1 - \cos^{\ell}\chi)\,\sin\chi\, d\chi \qquad (2)$$

$Q^{(1)}$ is the well-known momentum-transfer cross section, and $Q^{(2)}$ is sometimes called the thermal conductivity or viscosity cross section, since it is the most important for these coefficients.

Data for the evaluation of Eq. (1) come from two sources: intermolecular potentials and known values of $Q^{(\ell)}$. For most pairs of particles in the gas the collision is described well by classical mechanics, so that $Q^{(\ell)}$ and thus $\bar{Q}^{(\ell,s)}$ can be evaluated by a three-fold quadrature once the intermolecular potential is known. These computations have already been carried out for certain standard potential forms which are employed in the present work. These are the repulsive exponential potential

$$\varphi(r) = \varphi_0\, e^{-r/\rho}, \qquad (3)$$

the shielded-Coulomb potential

$$\varphi(r) = \varphi_0 \left(\frac{\rho}{r}\right) e^{-r/\rho}, \qquad (4)$$

and the Morse Potential

$$\varphi(r) = \varphi_o \left\{ \exp\left[-2\frac{C}{\sigma}(r-r_e) \right] - 2\exp\left[-\frac{C}{\sigma}(r-r_e) \right] \right\} \tag{5}$$

In the latter there are only three adjustable constants since $C = \sigma \ell n 2/(r_e - \sigma)$

Average cross sections (or their equivalent[2] $\Omega^{(\ell,s)*}$) have been computed for the potential of Eq. (3)[3], of Eq. (4)[4] and of Eq. (5)[5,6] The methods used for the Morse potential differed somewhat, leading to slightly different values for the cross sections. Smith and Munn[5] use the potential as in Eq. (5) for all values of r, noting that it has a finite value at r=0 and thus is not a good representation of the true potential for small r. For this reason they terminated their tables at low values of $T^* = kT/\varphi_o$ for small C. Samuylov and Tsitelauri,[6] on the other hand, replaced the Morse potential by an infinite potential when

$$r \leq 0.3\sigma \tag{6}$$

in order to prevent unrealistic particle trajectories through r=0. They are thus able to extend their calculations to lower values of C than is possible with the pure Morse potential. Their values were used in the present work.*

The computed results for the above potentials are given in tabular form, and it is necessary to interpolate between entries to obtain cross sections for parameters of the actual potential. This was accomplished with a Lagrange 3-point formula for Eqs. (3) and (4). Two interpolations are necessary for the Morse potential; a linear formula was found adequate for the T*-interpolation while linear interpolation vs. $\ell n \beta (= C + \ell n\ 2)$ was deemed sufficiently accurate for the C-interpolation.

The constants used in the computation of the cross sections for the atom-atom and atom-ion elastic interactions are collected in Table I. Extensive comparison with

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*Some additional information on the Morse potential is included in Appendix A.

other work for Ar-Ar has been given in Ref. 7 and papers referred to therein. Inasmuch as the data on which the Ar^+-Ar potentials are based are the first theoretical computation it is difficult to assess their accuracy. One check is possible, namely on the depth φ_o of potential minimum for the $^2\Sigma_u$ state, which corresponds to the Ar_2^+ molecular ion. The current knowledge of the potential depth for the rare-gas molecular ions has been reviewed by Mulliken,[9] from which we can conclude that $\varphi_o = 1.25$eV is reasonable. The potentials for the Ar-Ar^+ interaction are actually not very important in determining the transport coefficients, since they are used only in computing average cross sections with ℓ even.[10] Cross sections for ℓ odd are computed from the charge-transfer cross sections, which are much larger than the elastic cross sections and hence dominant.

Since they could be useful in computations of properties of a two-temperature partially ionized gas, some of the average cross sections computed for this work are collected in Table II. It should be noted that $\bar{Q}^{(2,2)}$ for Ar-Ar^+ is computed by first calculating the cross section for each of the four potentials in Table I and then averaging with the appropriate, in this case equal, statistical weight .[10] The Ar-Ar cross sections can be used to compute the pure atom thermal conductivity for argon. Comparing the values so computed with those of Amdur and Mason,[11] we find that the latter report values somewhat lower at low temperatures (ca. 10% at 2000°K), about the same at 5500°K and slightly higher above this temperature.

For the ion-atom cross sections with ℓ-odd, charge transfer is the dominant process. A very good approximation for the energies of interest here is[12]

$$Q^{(\ell)} = 2\, Q_{Tr} \tag{7}$$

Over a limited range of energies we can also relate Q_{Tr} to the relative speed g by the expression[12]

$$Q_{Tr} = \frac{1}{2}\,(A - B\ell n g)^2 \tag{8}$$

where A and B are constants. From Eq. (8) we would expect that experimental values of Q_{Tr} would lie on a straight line if plotted in the form $Q_{Tr}^{\frac{1}{2}}$ vs. $\ell n E$, where E is the relative energy. Such a plot is given in Fig. 1. The measured values were not available for Refs. 16 and 17, so only the average curves are shown. However, some idea of the probable scatter from the average curves can be obtained from the Nichols-Witteborn data.[15] A number of measurements of Q_{Tr} were carried out before the discovery of the Ishii-Nakayma effect in McLeod gauges and are too high by unknown amounts. Of these earlier values only those of Refs. 13 and 14 are included here.

It is evident that there is considerable disagreement among the experimental measurements, and that it would be difficult to choose the best values. We can, however, bring in additional information from a very accurate determination of the reduced mobility of argon ions in argon.[18-21] The mobility is related to the average ion-atom cross section by

$$K = \frac{3e}{16n} \left(\frac{2\pi}{\mu k T} \right)^{\frac{1}{2}} \frac{f_D}{\overline{Q}(1,1)} \tag{9}$$

where e is the electron charge, n is the total number density ($=2.69 \times 10^{19}$ cm^{-3} for the reduced mobility), μ is the reduced mass and f_D is a factor to account for higher approximations in the Chapman-Enskog method. The previous calculations for argon showed that f_D could be taken as unity with negligible loss in accuracy.

If $Q^{(\ell)}$ is given by Eq. (8), then an analytical form for $\overline{Q}^{(\ell,s)}$ may be obtained.[1] The constants A and B may then be adjusted so that the value $K = 1.535$ $cm^2/V\text{-sec}$ is reproduced at 296°K and the curve for Q_{Tr} passes through the beam data of Fig. 1. Which part of the beam data the curve is to pass through is, of course, somewhat arbitrary; since the only corrected data at high energies are those of Ref. 16, it was decided to use this point at 100eV to help determine A and B. As can be seen from Fig. 1, the curve so determined passes in addition through about the center of the measurements in the 3-10 eV range of relative energies.

At the relative energies important for the $\bar{Q}^{(1,1)}$ integral at 296°K, it is possible that the polarization forces between the ion and atom can result in a diffusion cross section $Q^{(1)}$ higher than that given by Eq. (7). This polarization correction was computed with the method of Dalgarno,[12] and found to be $4\mathring{A}^2$ at 296°K, resulting in an average charge-transfer cross section of $152.8\mathring{A}^2$. It is worth noting that an attempt was made to use Dalgarno's method to connect the beam measurements with the known value of mobility. Although this was found to be possible, the curve of Q_{Tr} vs. E. dropped off more rapidly above 10eV than the beam measurements indicate. It was therefore thought preferable to use the simpler connecting formula of Eq. (9). The constants so determined were A=31.80 and A=1.725 for Q_{Tr} in $\mathring{A}^2$ and g in cm/sec. Values of $\bar{Q}^{(1,1)}$ are given in Table II as a function of temperature.

In order to compute the electron transport coefficients, we need only the momentum-transfer cross section for electron-atom or ion collisions. In the previous computations of argon properties, the Frost-Phelps[22] values for $Q^{(1)}$ were preferred. Since that time Golden[23] has derived values of $Q^{(1)}$ from his measurements of the total electron-atom cross section with the aid of the modified effective-range formula. He obtained a Ramsauer minimum considerably deeper than that of Frost and Phelps and claims that it is not possible to find such behavior with the analysis used by these authors. Additional evidence for his claim is lacking to date. In view of this and the fact that the Frost-Phelps values are consistent with transport behavior in actual gases, it was decided to use them again for the present work. Values of one of the average cross sections are given in Table II.

The problem of the correct cross section between charged particles has been considered by several authors. If the parameter Λ, which is taken here as

$$\Lambda = \frac{2d}{b_o} \tag{10}$$

where d is the Debye length and $b_o = z_1 z_2 e^2/2kT$ the average closest impact parameter, is quite large (more precisely $\ln \Lambda \gg 1$), then the cross sections derived

with the Boltzmann or Fokker-Planck collision term are the same, within a constant of order unity. Since an arbitrary cut-off is often invoked in connection with these equations, we can call this the "cut-off" method. The above definition of Λ corresponds to inserting average values of the relative speed in the logarithmic term occurring in the $Q^{(\ell)}$ integrals of Eq. (2).

An alternative method of deducing these cross sections is to employ the Boltzmann operator with the Debye-shielded Coulomb potential for distant encounters. Asymptotic (to order unity) formulae (Liboff[24]-Kihara[25]) as well as numerically exact collision integrals[4] are available for this case. Lastly, a collision operator which correctly allows for dynamic shielding has been used[26] to obtain asymptotic expressions (to order unity) for the collision integrals.

When $\ell n \Lambda$ becomes of order unity, as it does for pressures above near atmospheric, then difficulties arise in applying expressions derived with the above methods. Properties computed with the asymptotic expressions increase without bound as $\ell n \Lambda$ approaches unity, since terms of the form $\ell n \Lambda - 0(1)$ occur in the denominator of all expressions (See Fig. 8). The cut-off expressions, which neglect the $0(1)$ terms, do not display this behavior, but would be expected to be inaccurate since they are derived on the basis of $\ell n \Lambda \gg 1$. Of course, expressions so derived also increase without bound as $\Lambda \to 1$, but electron degeneracy would probably become important before such a limit were reached.

It seems preferable, then, to use the collision integrals numerically evaluated for the shielded-Coulomb potential for the properties at pressures where the condition $\ell n \Lambda \gg 1$ is not fulfilled. This is not an altogether satisfactory procedure, since it is clear that dynamic effects in the collisions distort the effective potential from this form.

Adopting now the shielded-Coulomb potential as the model of the charged-particle interaction, we must decide which charged particles participate in the shielding. In the Debye-Hückel theory, applicable to the computation of the composition of a dilute gas in local thermodynamic equilibrium,[27] all charged particles participate in the screening and the Debye length is computed from

$$d' = \left[\frac{k\,T}{4\pi e^2 (n_e + \Sigma z_j^2 n_j}\right]^{\frac{1}{2}} \tag{11}$$

where the sum runs over all ions with charge ez_j. It can be argued that the collisions in a gas are a dynamic process and the ions, because of their relatively large mass, are much less effective than the electrons in the shielding process. If we neglect them completely, then the Debye length is given by

$$d = \left(\frac{k\,T}{4\pi e^2 n_e}\right)^{\frac{1}{2}} \tag{12}$$

which yields $\sqrt{2}\,d'$ in the case of an electrically neutral partially ionized gas.

In the present work it was decided to adopt d as the shielding length. This was arrived at mainly from a comparison of the electrical conductivity and electron thermal conductivity of argon at 1 atm pressure as computed with the asymptotic expressions containing dynamic shielding[26] and those using the static shielding as in Eq. (4) with (1) $\rho = d'$ or (2) $\rho = d$. Best though not perfect agreement was obtained with $\rho = d$. Actually, the results indicate that the effective Debye length for the electrical conductivity is slightly larger than d and that for the electron thermal conductivity slightly smaller. Similar conclusions were reached in computations of the properties of partially ionized hydrogen.[28] Additional support for this choice comes from a comparison of theoretical and experimental values of electrical conductivity (See Fig. 9 and Discussion section).

As insufficient cross sections are given in Ref. 4 for the third approximation to the transport coefficients, it was necessary to compute those lacking in connection with the present work. It was possible to make use of the relation

$$\bar{Q}^{(\ell, s+1)} = \bar{Q}^{(\ell, s)} + \frac{kT}{s+2}\,\frac{d\,\bar{Q}^{(\ell, s)}}{d\,(kT)} \tag{13}$$

where $\bar{Q}^{(\ell,s)} = \pi\rho^2\,\Omega^{(\ell,s)*}$ to generate the needed values from those already available.[4] Inasmuch as they may be of use in other work, the new values of $\Omega^{(\ell,s)*}$ are collected in Table III. The argument T^* of this table is related to the parameter Λ by

$$T^* \equiv \frac{kT}{\varphi_o} = \frac{\Lambda}{4} \tag{14}$$

At $T^* \geq 10^3$ the asymptotic expressions of Liboff-Kihara[1,24,25] were used, instead of Eq. (13). The chief inaccuracy in the values computed from Eq. (13) stems from the indicated differentiation. A 3-point Lagrange formula was first used for this purpose but was found, by application to Ω- integrals for $\ell=1$, $s=1,2,3$, for which the values are known, to yield errors up to 4.3%. Use of a 5-point formula reduced the probable error to $\leq 2.2\%$ at the low end of the T^*-range and $\leq 1.2\%$ in the main body, considered to be small enough for most purposes.

TRANSPORT COEFFICIENTS

Since somewhat different expressions were used in computing the transport coefficients than in previous work, they will be briefly described here. Inasmuch as only properties of argon in local thermodynamic equilibrium (LTE) are given, the simplification possible in this case will be incorporated at the outset. It should be emphasized that the same techniques used for this case can be applied to the gas where the electron and heavy (=atoms and ions) temperatures are unequal. Two notable differences exist for the gas not in LTE which renders such calculations somewhat more difficult: (1) the rate of energy transported by diffusion cannot be simplified into a reactive thermal conductivity and (2) the composition of the gas cannot be simply computed from one pair of thermodynamic variables, but depends on the solution of the fluid equations describing the particular physical problem. For this latter reason no attempt is made here to consider the properties of the two-temperature gas. For some coefficients it may be possible to obtain good estimates of the nonequilibrium properties by scaling the results presented here.

The electric current and heat flux in an equilibrium gas in an applied DC magnetic field $\vec{B}$ are given by[29-31]

$$\vec{j} = \sigma'' \vec{\mathcal{E}}'' + \sigma^{\perp} \vec{\mathcal{E}}^{\perp} + \sigma^{H} (\hat{B} \times \vec{\mathcal{E}}) + \frac{e}{m_e} (D_e^{T''} \vec{\nabla}'' \ell n\, T + D_e^{T\perp} \vec{\nabla}^{\perp} \ell n\, T + D_e^{TH} (\hat{B} \times \vec{\nabla} \ell n\, T) \quad (15)$$

$$\vec{q} = -\lambda'' \vec{\nabla}'' T - \lambda^{\perp} \vec{\nabla}^{\perp} T - \lambda^{H} (\hat{B} \times \vec{\nabla} T) \quad (16)$$

with the effective electrical field computed from

$$\vec{\mathcal{E}} = \vec{E} + \frac{\vec{v}_o \times \vec{B}}{c} + \frac{1}{e n_e} \vec{\nabla} p_e - \frac{m_e}{e\rho} \vec{\nabla} p \quad (17)$$

σ, D_e^T and λ are, respectively, the electrical conductivity, the electron thermal diffusion coefficient and the total thermal conductivity, $\hat{B} = \vec{B}/|\vec{B}|$, m_e is the electron mass, n_e its number density, $\vec{v}_o$ the mass-average gas velocity, ρ the

gas mass density, $p_e = n_e kT$, $p = nkT$ and the superscripts $\parallel$, $\perp$ and H denote the parallel, perpendicular and Hall components of a particular coefficient . The thermal conductivity is conveniently broken up into three components, e.g.

$$\lambda'' = \lambda''_h + \lambda''_r + \lambda''_e \tag{18}$$

where the subscripts h, r and e denote the heavy (atoms and ions), reactive and electron components of thermal conductivity.

The heavy thermal conductivity was computed with the expression derived with the second approximation in the Chapman-Enskog method, as modified to include the effect of an applied steady magnetic field.[30*] Because of the high molecular weight of argon, the pressure must be considerably below atmospheric to obtain a change of properties from the no-field case with presently practical magnetic fields (see Fig. 6).

The reactive thermal conductivity was found from the expression[1,30]

$$\lambda_r \equiv \lambda_r^{\perp} + i\lambda_r^{H} = \frac{n n_e n_a m_a}{\rho k T^2 (n_e + n_a)} (\Delta \tilde{h})^2 \mathscr{D}_{ia} \tag{19}$$

where the complex binary diffusion coefficient is given by

$$\mathscr{D}_{ia} \equiv \mathscr{D}_{ia}^{\perp} + i\mathscr{D}_{ia}^{H} = \frac{3}{16n} \left(\frac{2\pi k T}{\mu} \right)^{\frac{1}{2}} \frac{1}{\bar{Q}_{ia}^{(1,1)}} \frac{1}{1 + i\omega_{ia}\tau_{ia}} \tag{20}$$

and $\Delta\tilde{h} = \tilde{h}_e + \tilde{h}_i - \tilde{h}_a$ is the reactive enthalpy on a per particle basis. The chief contribution to $\Delta\tilde{h}$ comes from the ionization energy (corrected for lowering[27]), but translational and excitation energies are also of importance. Neglect of the latter, for example, causes errors in λ_r of 10% or more.

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* Complete expressions given in Appendix B.

The ion-atom cyclotron frequency in Eq. (20) is computed from

$$\omega_{ia} = \frac{n_i m_i \omega_a + n_a m_a \omega_i}{\rho} \tag{21}$$

where the cyclotron frequency of species j with charge $z_j e$ (=-e for electrons and 0 for atoms) is given by

$$\omega_j = \frac{e z_j B}{m_j c}$$

The mean time between collisions follows from

$$\tau_{ia} = \frac{3}{4} \left(\frac{\pi \mu}{8kT} \right)^{\frac{1}{2}} \frac{1}{\left(\frac{\rho}{m_i + m_a} \right) \bar{Q}_{ia}^{(1,1)}} \tag{22}$$

The parallel components follow from the perpendicular components as $B \to 0$.

As is implied in Eq. (19), only single ionization was considered in computing λ_r and λ_h . Above 20000°K for 1 atm pressure, slight errors will be introduced in these coefficients by the neglect of the second ion. Unless the magnetic field is large enough to reduce λ_e significantly (but small enough to leave λ_r and λ_h unaffected), these errors so introduced will be negligible. Since such a combination of magnetic field, pressure and temperature does not seem likely, no attempt was made to include this second ion when computing λ_r and λ_h.

It was pointed out some time ago[1,33] that the approximations to the electron properties converge extremely slowly at low degree of ionization in the rare gases demonstrating the Ramsauer effect. Studies of the convergence show that the sixth[34] and even the twelfth[31] approximations have not converged to the true values. A theory

for almost Lorentzian mixtures[35] has been suggested as a method of overcoming this difficulty. A far simpler approach is used here: at low temperatures, where the convergence is slow, the Lorentzian expressions,[32] modified[31,36] to yield the correct limiting behavior at full ionization, are used. They read

$$\sigma \equiv \sigma^{\perp} + i\sigma^{H} = \frac{4e^2 n_e}{3\sqrt{\pi m_e}} \int_0^{\infty} \frac{e^{-x} x^{3/2} dx}{\nu_e (kTx) + i\omega_e} \tag{23}$$

$$D_e^{T} \equiv D_e^{T\perp} + iD_e^{TH} = \frac{4 n_e k T}{3\sqrt{\pi}} \int_0^{\infty} \frac{e^{-x}(\frac{5}{2} - x) x^{3/2} dx}{\nu_e (kTx) + i\omega_e} \tag{24}$$

$$\lambda_e' \equiv \lambda_e'^{\perp} + i\lambda_e'^{H} = \frac{4 n_e k^2 T}{3\sqrt{\pi m_e}} \int_0^{\infty} \frac{e^{-x}(\frac{5}{2} - x)^2 x^{3/2} dx}{\nu_e (kTx) + i\omega_e} \tag{25}$$

with

$$\nu_e = \nu_{ea} + \nu_{ei} \tag{26}$$

$$\nu_{ea} = n_a g Q^{(1)}(E) \tag{27}$$

$$\nu_{ei} = A_{\sigma, D, \lambda} \frac{16}{3g^2} n_i b_o^2 \left(\frac{2\pi kT}{m_e}\right)^{\frac{1}{2}} \ln \Lambda \tag{28}$$

$A_\sigma = 1.27$, $A_D = 2.70$ and $A_\lambda = 1.80$ are constants introduced[31, 36] to insure that the above expressions become those of Spitzer and Härm at full ionization. λ_e' of Eq. (25) is not the true thermal conductivity of Eq. (18). Each component of λ_e is found from the relation

$$\lambda_e = \lambda_e' - \frac{e^2 (D_e^{T})^2}{\sigma m_e T} \tag{29}$$

Since the above relations approach the cut-off expressions near full ionization, it was decided to use them only at very low ionization and low magnetic fields where problems of convergence in the Sonine polynomial approximations are present. This step avoids the use of auxiliary functions necessary to ensure the accuracy of Eqs. (22)-(25) at all values of magnetic field,[31] and allows for the use of the more accurate shielded cross sections.

The third approximation was used otherwise for the electron properties. The expressions necessary have been given earlier in some detail,[29,30] and will not be repeated here.* The interpolation between the results from the two different methods was found to be straightforward and occurred, for example, around 6000°K for p = 1 atm. All ion species were considered in computing the electron properties, since it is a simple matter to include extra ions in the Chapman-Enskog expressions.

Inasmuch as the transport coefficients, particularly λ_r, depend critically on the thermodynamic properties of the mixture, some information is included here on the methods used for this aspect of the computations. An equation for n_e in terms of the various partition functions was obtained from the law of mass action for each ionizing reaction as in Ref. 37. The partition functions were evaluated by two techniques -- for the ions the first few low energy levels and some not in the principal series were taken from Ref. 38. The contribution from the remaining levels were estimated with the aid of the simple formula[27]

$$Z_j' = \frac{2}{3}(2J_c + 1)\left(\frac{z_C E_H}{\Delta E_\infty^j}\right)^{\frac{3}{2}} \exp\left(\frac{\Delta E_\infty^j - E_\infty^j}{kT}\right) \qquad (30)$$

where J_c is the total angular momentum quantum number of the core and z_C is its charge, E_H is the hydrogen ionization potential, E_∞^j is the ionization potential of species j and ΔE_∞^j is the lowering of E_∞^j due to the microfields. The electronic excitation energy corresponding to the partition function of Eq. (30) can be shown to be

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* Complete formulas are given in Appendix B.

$$\tilde{h}_j' = E_\infty^j - \frac{3}{2}\Delta E_\infty^j + \frac{3kT}{4} \tag{31}$$

For the atom all known levels were included in evaluating the partition function and the excitation energy. The levels not known are those for high principal and orbital quantum numbers and could be readily estimated by assuming hydrogenic structure. This latter procedure was necessary since it was found that the excitation energy of the atoms, necessary for the computation of $\Delta\tilde{h}$ in Eq. (19), was overestimated at the higher temperatures if Eqs. (30) and (31) were used. Levels above the lowered ionization potential were not included in the atom partition function or excitation energy computation.

The first ion is not appreciably excited at temperatures considered here, so the use of Eq. (31) has little effect on the accuracy of $\tilde{h}_j$. Similarly, there is only small effect on the number densities of the principal constituents due to the use of Eq. (30). The lowering of the ionization potential was computed from Debye-Hückel theory;[27] the small correction to the pressure was neglected.

The parallel transport coefficients computed at 1 atm pressure for T=3000-35000°K are collected in Table IV.* The three components of λ are plotted in Fig. 2. A feature worth noting in the latter is the large drop in λ_h from the pure atom thermal conductivity (λ_a) due to the larger ion-atom and ion-ion cross sections (see Table II). The reactive thermal conductivity also displays the characteristic pronounced maximum near 50% ionization.

The effect of a magnetic field on λ_e is illustrated in Fig. 3, where $\lambda_e^{\perp}$ and λ_e^{H} are plotted for fields of 25 and 100kG and a gas pressure of 1 atm. We note the expected reduction of $\lambda_e^{\perp}$ below the λ_e'' curve, and the increase of λ_e^{H} as the magnetic field is increased. In mean-free-path theory, the effect of the magnetic field on the transport coefficients can be estimated by consideration of the parameter $\omega_e\tau_e$, where τ_e is the average time between collisions of electrons and ω_e the electron cyclotron frequency. The equation for τ_e is somewhat arbitrary; in analogy to Eq. (22) it has

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* Coefficients at other pressures and with an applied magnetic field are listed in appendices C and D.

been taken as

$$\tau_e = \left[\frac{4}{3} \left(\frac{8kT}{\pi m_e} \right)^{\frac{1}{2}} \Sigma_j n_j \bar{Q}_{ej}^{(1,1)} \right]^{-1} \tag{32}$$

where the sum runs over all heavy species.

The parameter $\omega_e \tau_e$ is plotted in Fig. 4 for argon at 1 atm pressure and several B-fields. Quite noticeable are the high values at lower temperatures as a result of the decreasing ion number density. Because of the large electron-ion cross section, the ion term in the sum of Eq. (32) is dominant down to very low ionization. The relative maximum at high temperatures denotes the point where electron collisions with the second ion become important.

The mean-free-path expressions for the transport coefficients are of the form

$$\lambda_e \equiv \lambda_e^{\perp} + i\lambda_e^{H} = \frac{\lambda_e''}{1 + i\,\omega_e \tau_e} \tag{33}$$

We would thus expect $\lambda_e^{\perp}$ and λ_e^{H} to be about the same size when $|\omega_e|\tau_e \approx 1$, which turns out to be the case (see Figs. 3-4). Other features of Fig. 3 can also be explained on the basis of this simple formula, as can the shape of the curves for the perpendicular and Hall components of electrical conductivity shown in Fig. 5. Particularly interesting in the latter figure are the maxima in $\sigma^{\perp}$ for B=25 and 100kG and in σ^{H} at 5kG. The former corresponds to the minimum in the $\omega_e \tau_e$ curves of Fig. 4, while the latter arise from the large decrease of $\sigma^{\perp}$ relative to σ^{H} as $\omega_e \tau_e$ crosses unity near 8000°K.

As mentioned above, a combination of high magnetic field and low pressure is necessary to show an effect of the field on the heavy properties, λ_r and λ_h. At 1 atm pressure, $\lambda_r^{\perp}$ and $\lambda_h^{\perp}$ differed negligibly from λ_r'' and λ_h'' even at the highest fields considered (200kG). Only at p=0.01 atm or below was there appreciable difference.

In Fig. 6 are shown the perpendicular, Hall and parallel ($\lambda^{\perp}$ when B = 0) components of λ_r and λ_h for B = 100kG at this pressure. Note that the Hall components of λ_r and λ_h are negative, while λ_e^H is positive, reflecting the fact that the ions drift in the opposite direction from electrons in crossed fields. In connection with Fig. 6 it is interesting to consider the use of an applied magnetic field to reduce the thermal conductivity. For example, one could hope to reach higher axis temperatures in electrical arcs by reduction of the radial thermal conductivity. From Fig. 6 we see that there would be no reduction in the thermal conductivity of low temperature argon through the use of the B-field, which we would expect since this field cannot affect the atoms. $\lambda_r^{\perp}$ is reduced by almost an order of magnitude near the maximum through the slowing down of the ambipolar diffusion through the B-field. At higher temperatures the heavy translational thermal conductivity is considerably reduced. For comparison purposes, the electron thermal conductivity at p = 0.01 with no B-field is also plotted in Fig. 6.

As a last illustration of these computations, the electrical conductivity, as computed with three different methods, is plotted vs. pressure for temperatures of 10000 and 12000^{o}K in Figures 7 and 8. At 10000^{o}K, all three methods yield curves of the same general shape, although the absolute values differ somewhat. At 12000^{o}K, however, the asymptotic formulas of Ref. 26 yield an electrical conductivity curve which begins to diverge sharply from the other curves. As discussed above, this arises because the term $\ell n \Lambda$ approaches order unity (actually near two). At higher temperatures, this divergence occurs at even lower pressures (e.g. for 15000^{o}K at about 50 atm).

DISCUSSION

The final check on calculations such as these should come from experimental measurements. Unfortunately, it has to date proved difficult to perform measurements with sufficient accuracy to critically evaluate these and similar theoretical predictions. Nonetheless, comparison with experiments is useful in judging which experiments agree best, if at all, with theory.

Experimental values of electrical conductivity at p = 1 atm are collected in Fig. 9. Theoretical curves have been computed as described here with shielding length equal to d' (Eq. 11) or d (Eq. 12). We note somewhat better agreement with the latter choice, although the former curve is probably still within the experimental error. It is evident that additional experiments at high temperatures, particularly beyond the maximum in the curve would be highly desirable. Also needed are measurements of σ. to check the validity of the models in these computations at high pressures.

In Fig. 10 are plotted experimental values of thermal conductivity as reported by several workers. All experimental values lie above the theoretical curve, some deviating much more strongly than others. Some of the major discrepancies can be explained as a faulty analysis of the experimental data. In neither Ref. 39 or Ref. 42 did the authors subtract the radiative transport of energy within the arc gas from their measurement of the total radial heat transport. Thus, their measured λ contains an unknown contribution due to radiative transport. It can be shown that this contribution is larger for larger diameter arcs, which explains why the curve from Ref. 39 is so much higher than that from Ref. 42 at the same temperature. Morris et al[43] did attempt to correct for radiative transport, so it is somewhat surprising that their average values of λ are so much higher than theory. The best agreement is with the values of Asinovskii and Kirillin,[46] who exploited the above-mentioned dependance of the radiative transport on radius to extrapolate back to zero radius and so obtain the true thermal conductivity.

In view of the generally higher experimental values of λ, it is worth inquiring if the theoretical values might not still be somewhat low. In order to bring the theory into agreement, substantial adjustments would be necessary in the charge transfer as well as

the charged-particle cross sections. Since reasonable accord was obtained between experiment and theory for the electrical conductivity, it seems unlikely that the latter cross sections are inaccurate, at least at atmospheric pressure. In view of the number of different experiments considered in choosing the charge-transfer cross sections, it seems unlikely that more than a 20% adjustment can be expected there, hardly enough to improve the agreement much, and then only near the λ_r maximum. It is more likely that correct allowance for radiation transfer in the arc would lower the experimental values to nearer the theoretical curve.

ACKNOWLEDGEMENTS

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TABLE I. Intermolecular potentials used for atom-atom and atom-ion cross sections.

Interaction	Potential	ϕ_o	ρ (or r_e)	C	Range	Ref.
Ar-Ar	Eq. (3)	7010eV	0.258Å	-	0.19-14.5eV	a
Ar^+-Ar $^2\Sigma_u$	(5)	1.25	2.434	3.382	2-2.9Å	b
Ar^+-Ar $^2\Sigma_g$	(3)	900	0.431	-	1.9-5.17eV	b
Ar^+-Ar $^2\Pi_u$	(3)	4640	0.306	-	0.81-3.3eV	b
Ar^+-Ar $^2\Pi_g$	(3)	2.02×10^5	0.190	-	0.18-1.63eV	b

a. Ref. 7
b. Ref. 8

TABLE II. Average cross sections $\bar{Q}^{(\ell,s)}$ as a function of temperature.

	Ar-Ar	Ar^+-Ar	Ar^+-Ar	e-Ar	e-Ar^+
T(°K)	(2,2)[a]	(1,1)	(2,2)	(1,1)	(1,1)[b]
2000	24.4 Å^2	--	--	--	--
3000	22.6	107.	36.1	.739	7.21,4
4000	21.3	102.	33.6	1.10	2.41,4
5000	20.4	98.5	31.5	1.48	1.22,4
6000	19.6	95.4	29.7	1.87	6.86,3
7000	19.0	92.8	28.2	2.26	4.31,3
8000	18.4	90.6	26.9	2.66	2.87,3
9000	18.0	88.7	25.7	3.06	2.04,3
10000	17.6	87.0	24.7	3.46	1.51,3
11000	17.2	85.5	23.9	3.86	1.16,3
12000	16.9	84.1	23.28	4.26	926.
13000	16.6	82.8	22.5	4.64	759.
14000	16.3	81.7	21.9	5.03	644.
15000	16.0	80.6	21.3	5.40	562.
16000	15.8	79.6	20.8	5.77	503.
17000	15.6	78.7	20.4	6.12	458.
18000	15.4	77.8	20.0	6.46	420.
19000	15.2	77.0	19.6	6.79	388.
20000	15.0	76.2	19.3	7.11	358.

a. The numbers in parentheses are the values of ℓ and s, respectively. See Eq. (1) of text.
b. At p = 1 atm with shielded potential, $7.21,4 = 7.21 \times 10^4$

TABLE III. Higher order collision integrals for screened Coulomb potentials.

T*	$(T^*)^2\Omega^{(1,4)*}$		$(T^*)^2\Omega^{(1,5)*}$		$(T^*)^2\Omega^{(2,4)*}$	
	Attr.	Repul.	Attr.	Repul.	Attr.	Repul.
1.E-01	0.0283	0.0110	0.0226	0.0093	0.0288	0.0209
2.E-01	0.0460	0.0220	0.0354	0.0181	0.0649	0.0444
3.E-01	0.0577	0.0316	0.0435	0.0255	0.0958	0.0661
4.E-01	0.0668	0.0399	0.0500	0.0317	0.1209	0.0857
6.E-01	0.0805	0.0537	0.0595	0.0419	0.1607	0.1193
8.E-01	0.0909	0.0649	0.0667	0.0500	0.1914	0.1476
1.E 00	0.0993	0.0742	0.0724	0.0566	0.2165	0.1720
2.E 00	0.1264	0.1063	0.0909	0.0789	0.2998	0.2585
3.E 00	0.1437	0.1267	0.1030	0.0929	0.3523	0.3154
4.E 00	0.1563	0.1416	0.1115	0.1030	0.3908	0.3575
6.E 00	0.1745	0.1628	0.1238	0.1172	0.4458	0.4185
8.E 00	0.1875	0.1778	0.1325	0.1272	0.4857	0.4625
1.E 01	0.1977	0.1895	0.1394	0.1350	0.5167	0.4964
2.E 01	0.2299	0.2253	0.1609	0.1585	0.6137	0.6024
3.E 01	0.2493	0.2468	0.1742	0.1732	0.6727	0.6666
4.E 01	0.2635	0.2620	0.1838	0.1833	0.7145	0.7118
6.E 01	0.2830	0.2831	0.1967	0.1973	0.7741	0.7747
8.E 01	0.2973	0.2979	0.2064	0.2072	0.8167	0.8192
1.E 02	0.3083	0.3095	0.2136	0.2148	0.8497	0.8530
2.E 02	0.3425	0.3431	0.2364	0.2363	0.9527	0.9547
3.E 02	0.3631	0.3633	0.2503	0.2505	1.0142	1.0143
4.E 02	0.3774	0.3781	0.2598	0.2606	1.0581	1.0547
6.E 02	0.3981	0.3979	0.2737	0.2732	1.1188	1.1208
8.E 02	0.4123	0.4122	0.2831	0.2831	1.1617	1.1614
1.E 03	0.4236	0.4236	0.2907	0.2907	1.1959	1.1959
1.E 04	0.5388	0.5388	0.3675	0.3675	1.5413	1.5413
1.E 05	0.6539	0.6539	0.4442	0.4442	1.8867	1.8867
1.E 06	0.7690	0.7690	0.5210	0.5210	2.2321	2.2321
1.E 07	0.8842	0.8842	0.5977	0.5977	2.5775	2.5775
1.E 08	0.9993	0.9993	0.6745	0.6745	2.9229	2.9229

TABLE IV. Transport coefficients of argon at 1 atm. pressure parallel to an applied magnetic field.

T °K	σ mho/cm.	D_e^T gm/cm-sec	λ_e mW/cm-°K	λ_h mW/cm-°K	λ_r mW/cm-°K
3000	5.96,-7*	-9.12,-16	9.42,-9	1.00	-
4000	1.27,-3	-3.03,-12	2.48,-5	1.23	-
5000	0.103	-2.96,-10	2.13,-3	1.44	1.31,-4
6000	1.01	-2.07,-9	3.12,-2	1.63	2.82,-3
7000	3.61	-3.14,-9	0.188	1.82	2.55,-2
8000	9.23	3.13,-9	0.586	2.00	0.134
9000	17.7	2.19,-8	1.37	2.16	0.487
10000	27.3	5.39,-8	2.64	2.25	1.35
11000	37.3	9.82,-8	4.37	2.16	3.07
12000	47.4	1.52,-7	6.44	1.78	5.79
13000	57.4	2.14,-7	8.80	1.24	8.96
14000	66.7	2.79,-7	11.3	0.763	10.9
15000	74.9	3.45,-7	13.8	0.454	9.91
16000	82.0	4.09,-7	16.1	0.290	6.76
17000	88.1	4.71,-7	18.5	0.214	3.81
18000	93.7	5.33,-7	20.8	0.183	1.96
19000	98.8	5.96,-7	23.2	0.177	0.954
20000	104.	6.63,-7	25.7	0.180	0.502
22000	108.	7.83,-7	30.3	0.201	0.163
24000	105.	8.82,-7	34.4	0.233	7.37,-2
26000	102.	9.78,-7	38.5	-	-
28000	104.	1.10,-6	43.4	-	-
30000	109.	1.25,-6	49.3	-	-
35000	117.	1.64,-6	64.6	-	-

* $5.96,-7 \equiv 5.96 \times 10^{-7}$

FIGURE CAPTIONS

Fig. 1. Charge transfer cross sections for argon vs. relative energy.

Fig. 2. Components of argon thermal conductivity (B=0) at 1 atm. pressure. λ_e: electron component; λ_h : atom + ion component; λ_r : reactive thermal conductivity; λ_a : pure atom thermal conductivity.

Fig. 3. Electron thermal conductivities, $\lambda_e^{\perp}$ and λ_e^{H} , in argon at 1 atm pressure for magnetic fields of 25 and 100kG.

Fig. 4. Hall parameter $|\omega_e|\tau_e$ as a function of temperature for 1 atm argon with B=5, 25 and 100kG.

Fig. 5. Perpendicular and Hall components of electrical conductivity of argon at 1 atm pressure for B=5, 25 and 100kG.

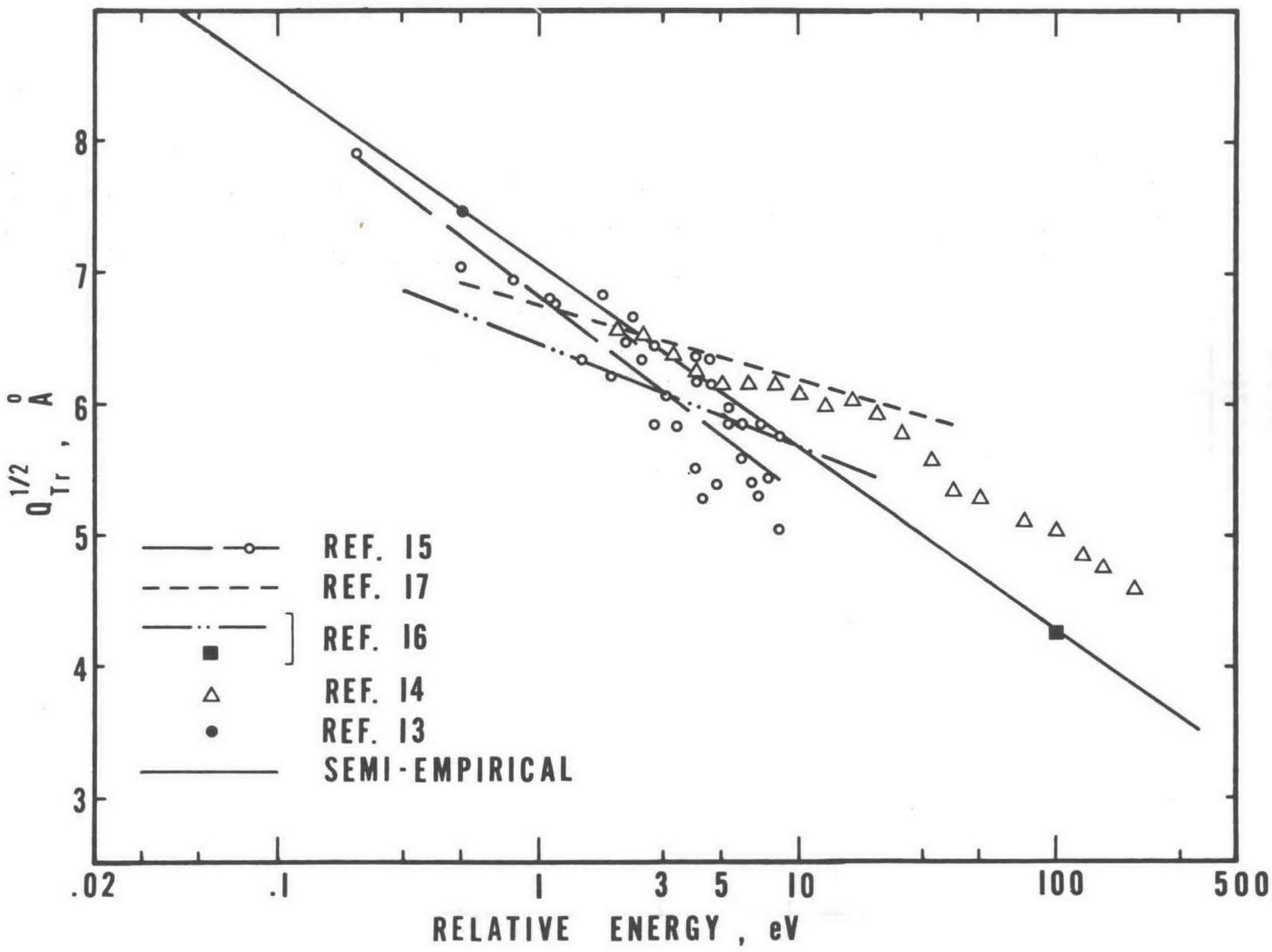
Fig. 6. Heavy (atom + ion) and reactive thermal conductivities of argon at 0.01 atm pressure showing effect of an applied field of 100kG. Note that the Hall components are negative.

Fig. 7. Electrical conductivity of argon at 10000^{o}K as a function of pressure with: A - cut-off cross sections, B - static-shielded cross sections (Ref. 4), C - dynamic-shielded cross sections (Ref. 26).

Fig. 8. Electrical conductivity of argon at 12000^{o}K as a function of pressure. Symbols as in Fig. 7.

Fig. 9. Electrical conductivity of argon at 1 atm pressure compared with experiments. - : theory with electron and ion shielding in Debye length; -.- : theory with electron shielding only.

Fig. 10. Thermal conductivity of argon at 1 atm compared with experimental measurements.


8
7
6
5
4
3
$Q_{Tr}^{1/2}$, $\AA$
REF. 15
REF. 17
REF. 16
REF. 14
REF. 13
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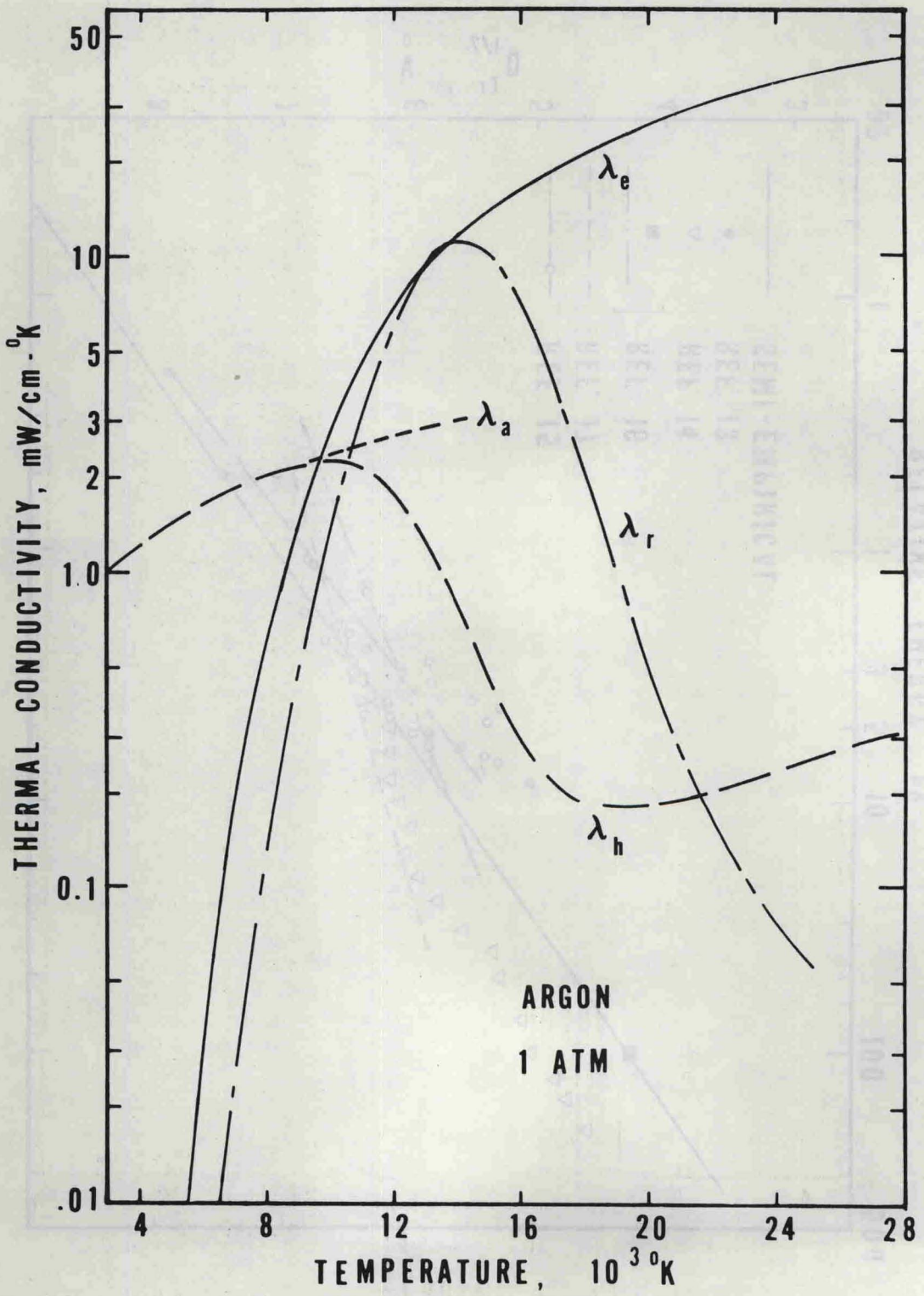
.1
1
3
5
10
100
500
RELATIVE ENERGY , eV

Fig. 1

Fig. 2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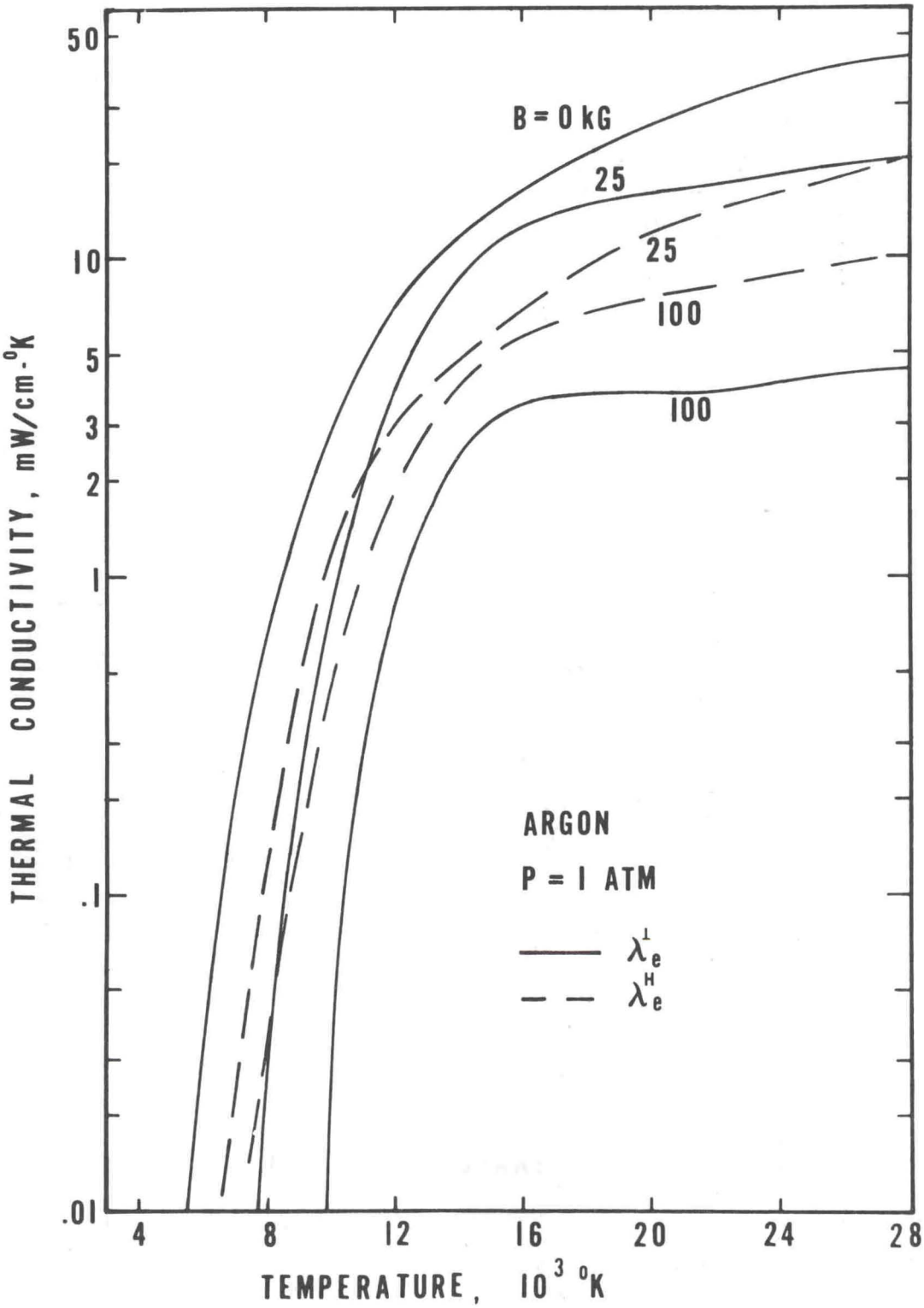
10
5
3
2
1.0
0.1
.01
THERMAL CONDUCTIVITY, mW/cm-°K
λ_e
λ_a
λ_r
λ_h
ARGON
1 ATM
4
8
12
16
20
24
28
TEMPERATURE, 10^3 °K

Fig. 3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10
5
3
2
1
.1
.01
THERMAL CONDUCTIVITY, mW/cm-°K
B = 0 kG
25
25
100
100
ARGON
P = 1 ATM
$\lambda_e^{\perp}$
λ_e^{H}
4
8
12
16
20
24
28
TEMPERATURE, 10^3 °K

Fig. 4

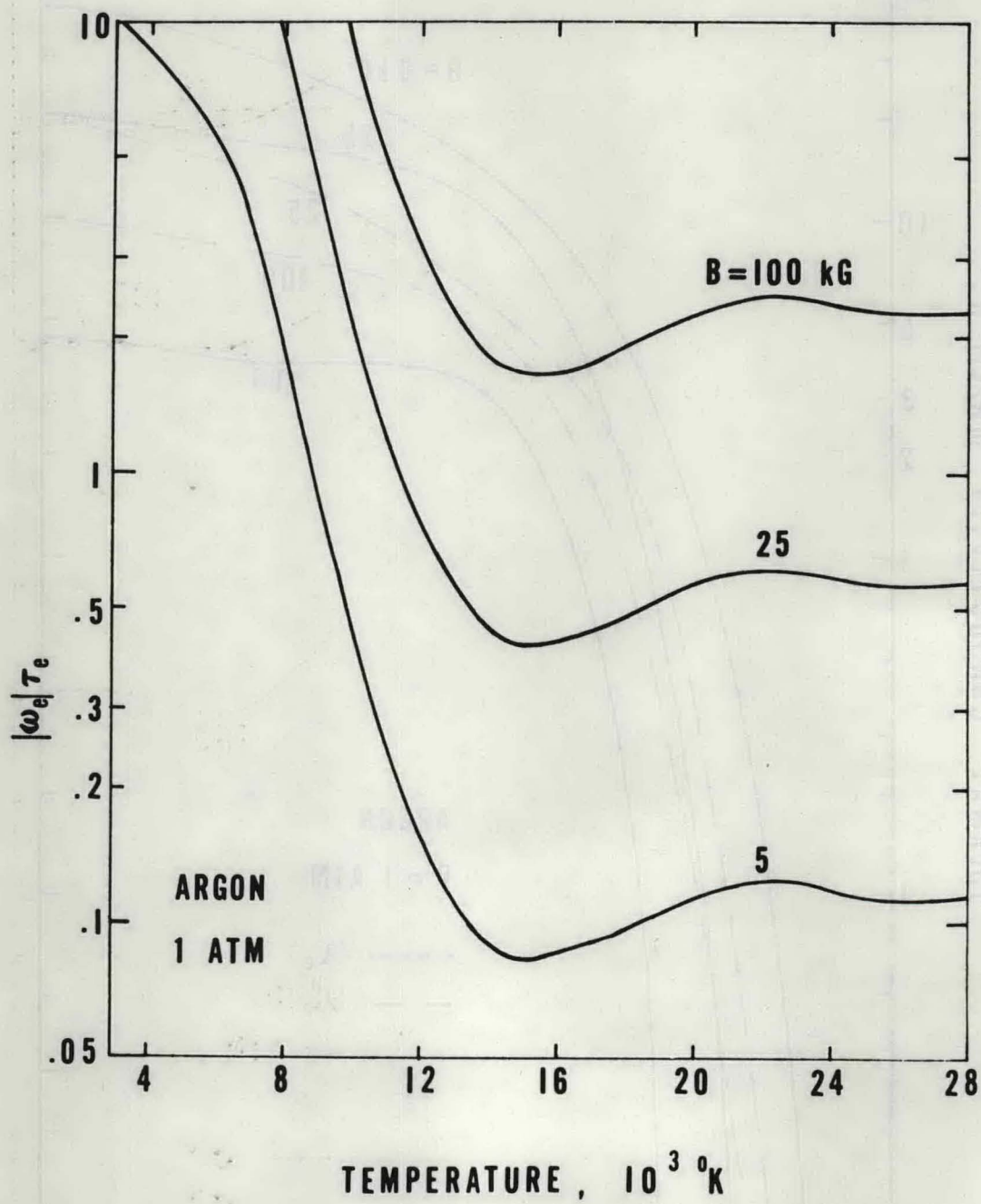
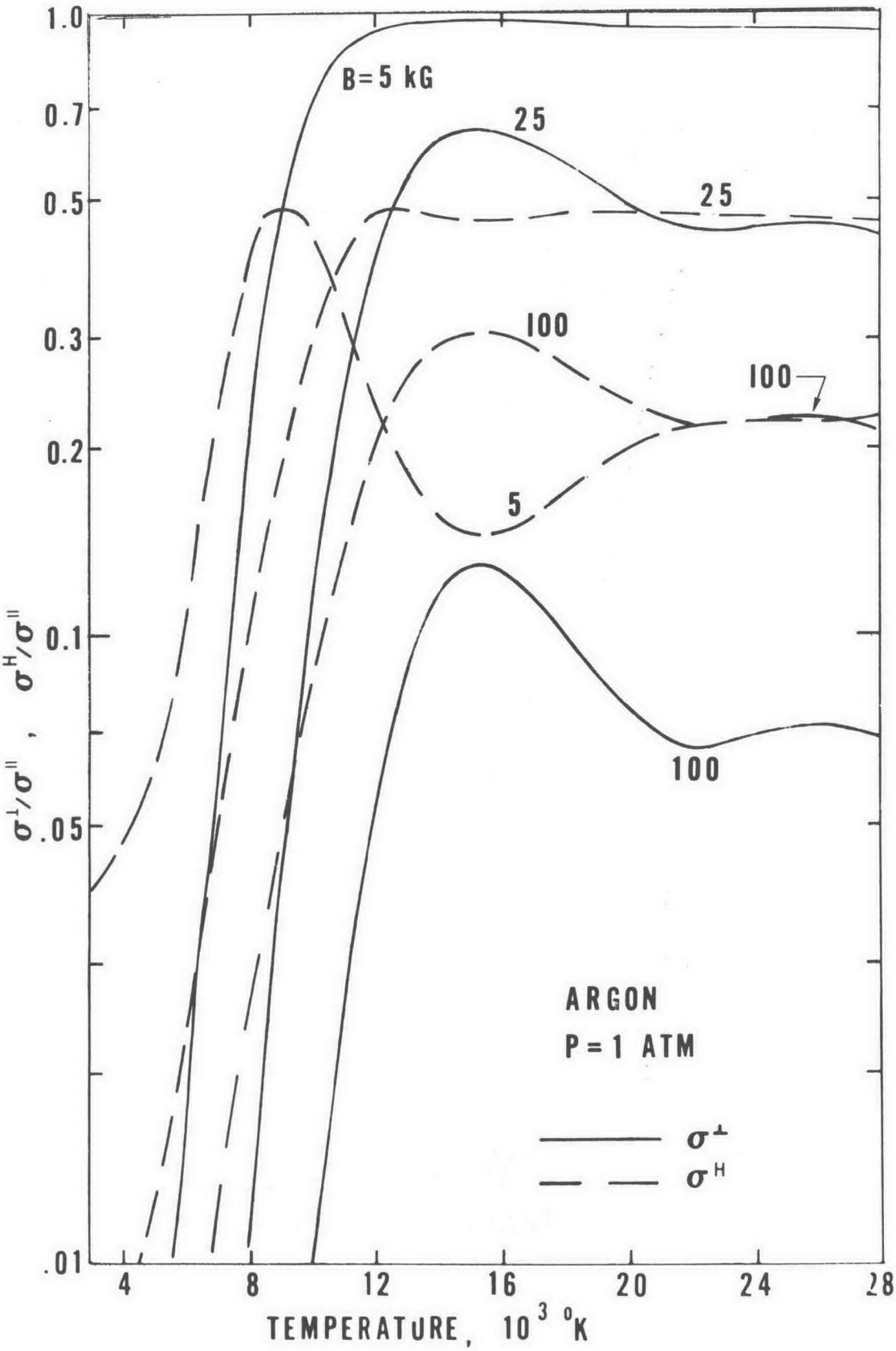

10
1
.5
.3
.2
.1
.05
$|\omega_e|\tau_e$
B=100 kG
25
5
ARGON
1 ATM
4
8
12
16
20
24
28
TEMPERATURE, 10^3 °K

Fig. 5


1.0
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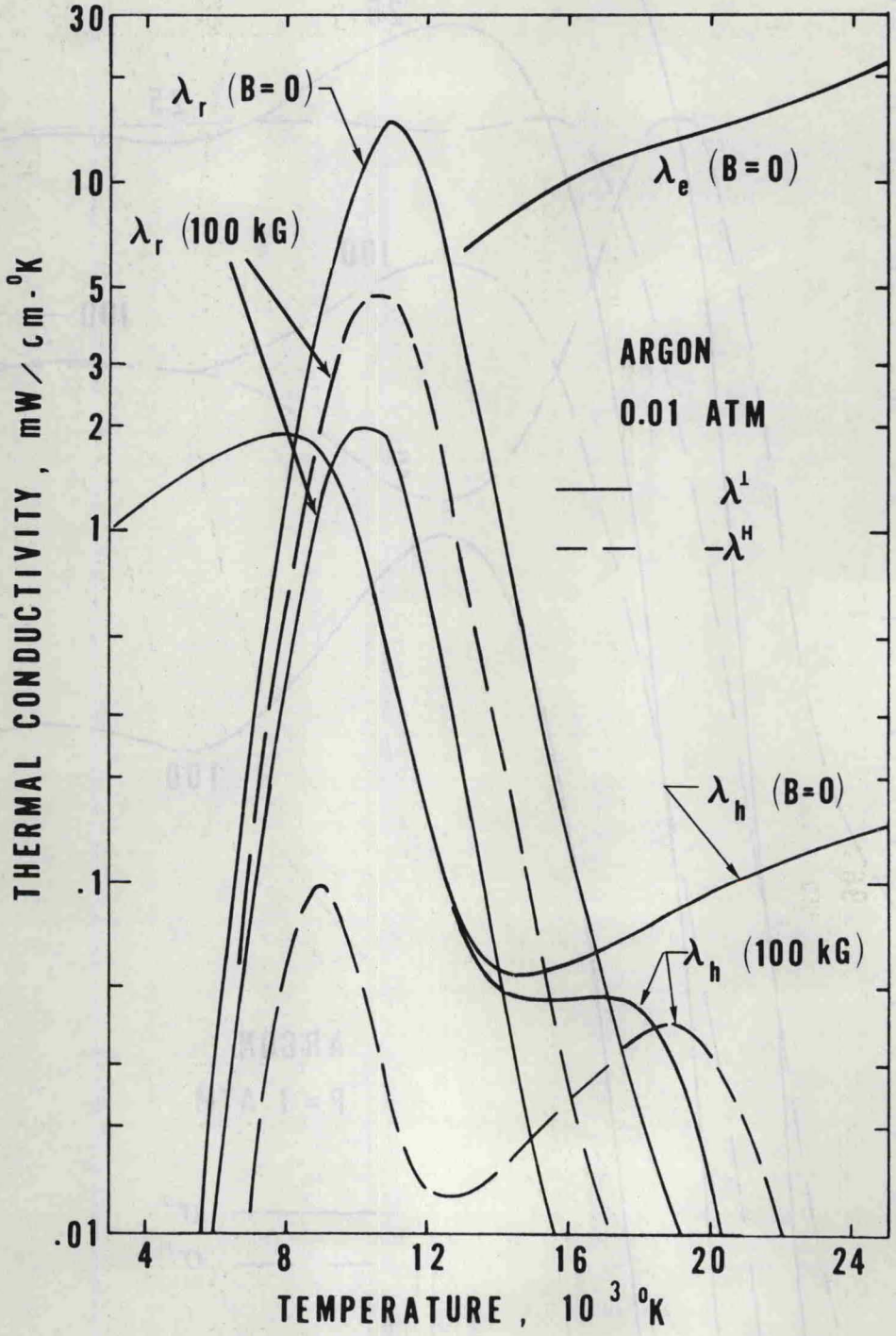
.01
B=5 kG
25
25
100
100
5
100
ARGON
P=1 ATM
σ⊥
σH
σ⊥/σ∥ , σH/σ∥
4
8
12
16
20
24
28
TEMPERATURE, 10³ °K

Fig. 6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8
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20
24
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TEMPERATURE, 10³ °K
λr (B=0)
λr (100 kG)
λe (B=0)
ARGON
0.01 ATM
λ⊥
-λH
λh (B=0)
λh (100 kG)

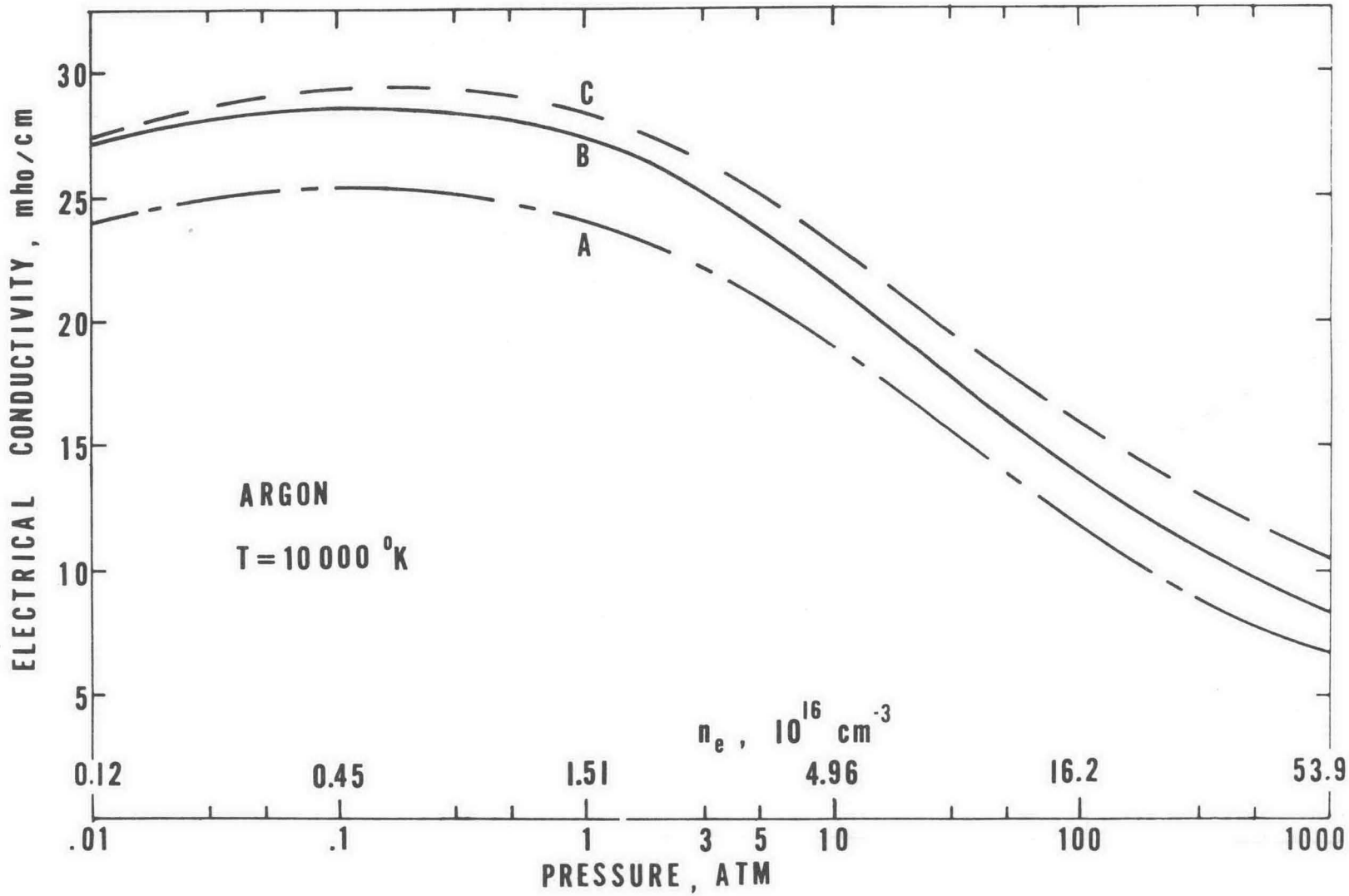
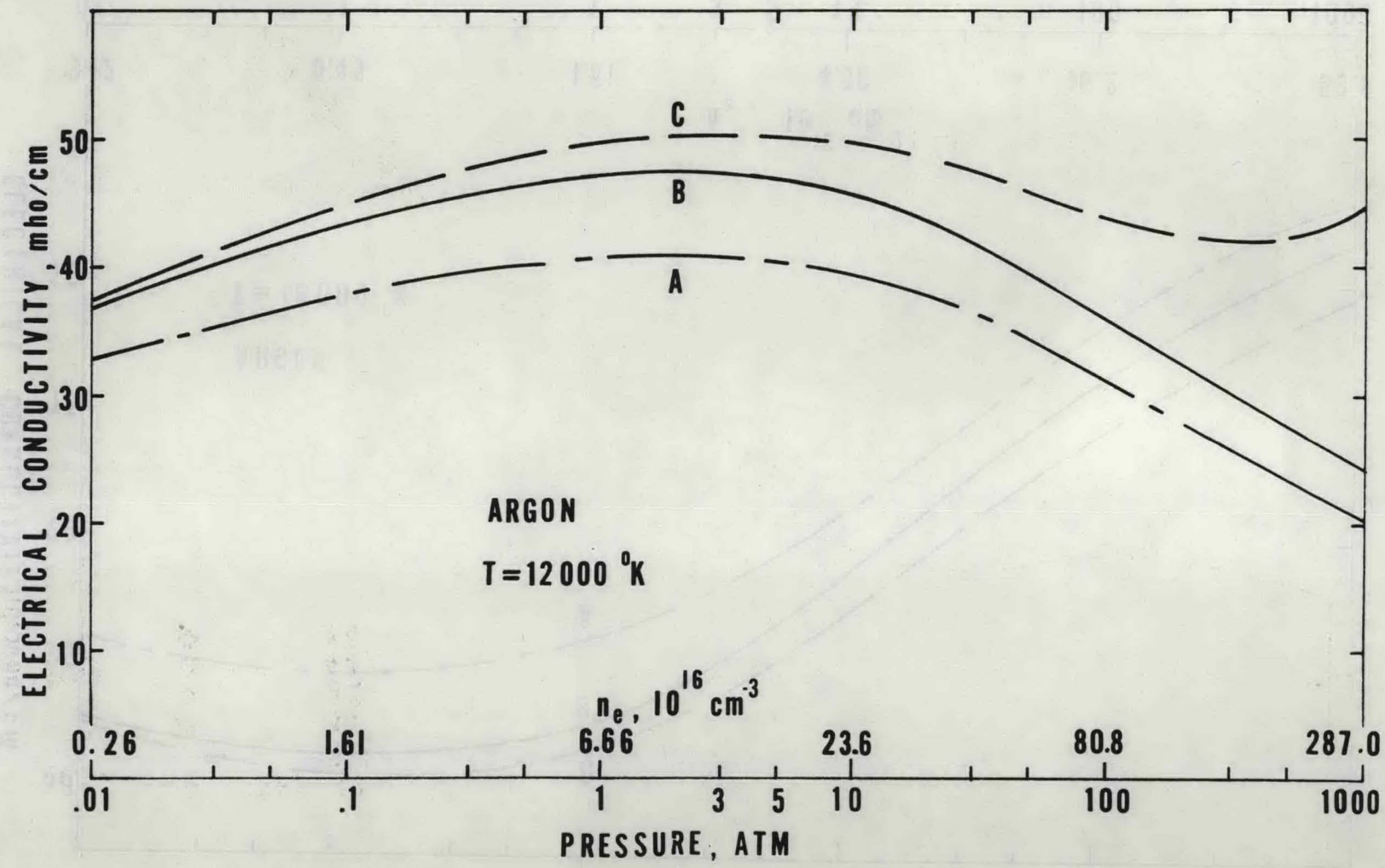

ELECTRICAL CONDUCTIVITY, mho/cm
30
25
20
15
10
5
C
B
A
ARGON
T = 10 000 °K
n_e, 10^{16} cm^{-3}
0.12
0.45
1.51
4.96
16.2
53.9
.01
.1
1
3
5
10
100
1000
PRESSURE, ATM

Fig. 7


ELECTRICAL CONDUCTIVITY, mho/cm
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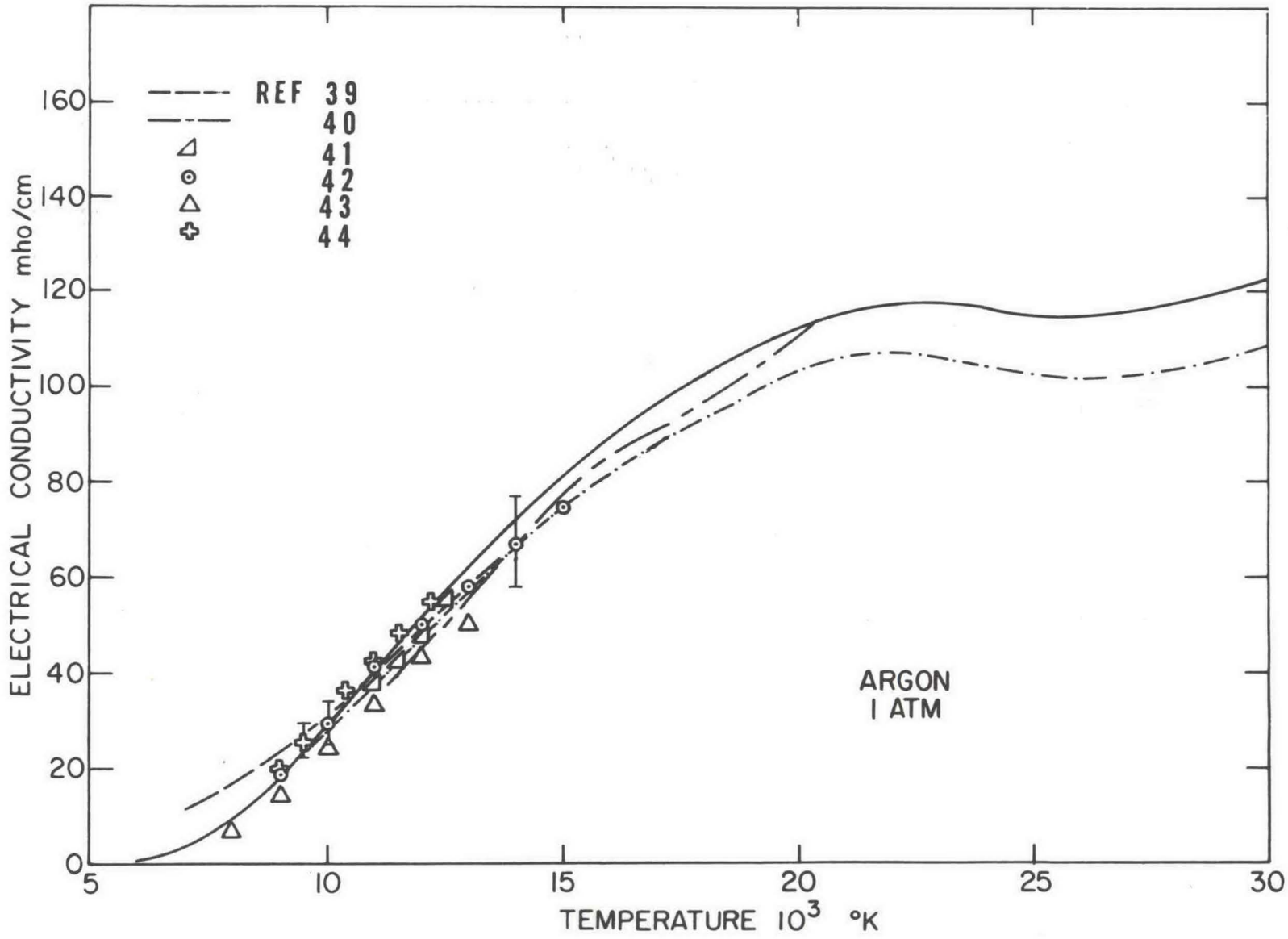
40
30
20
10
C
B
A
ARGON
T=12000 °K
n_e, 10^{16} cm^{-3}
0.26
1.61
6.66
23.6
80.8
287.0
.01
.1
1
3
5
10
100
1000
PRESSURE, ATM

Fig. 8


REF 39
40
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42
43
44
ELECTRICAL CONDUCTIVITY mho/cm
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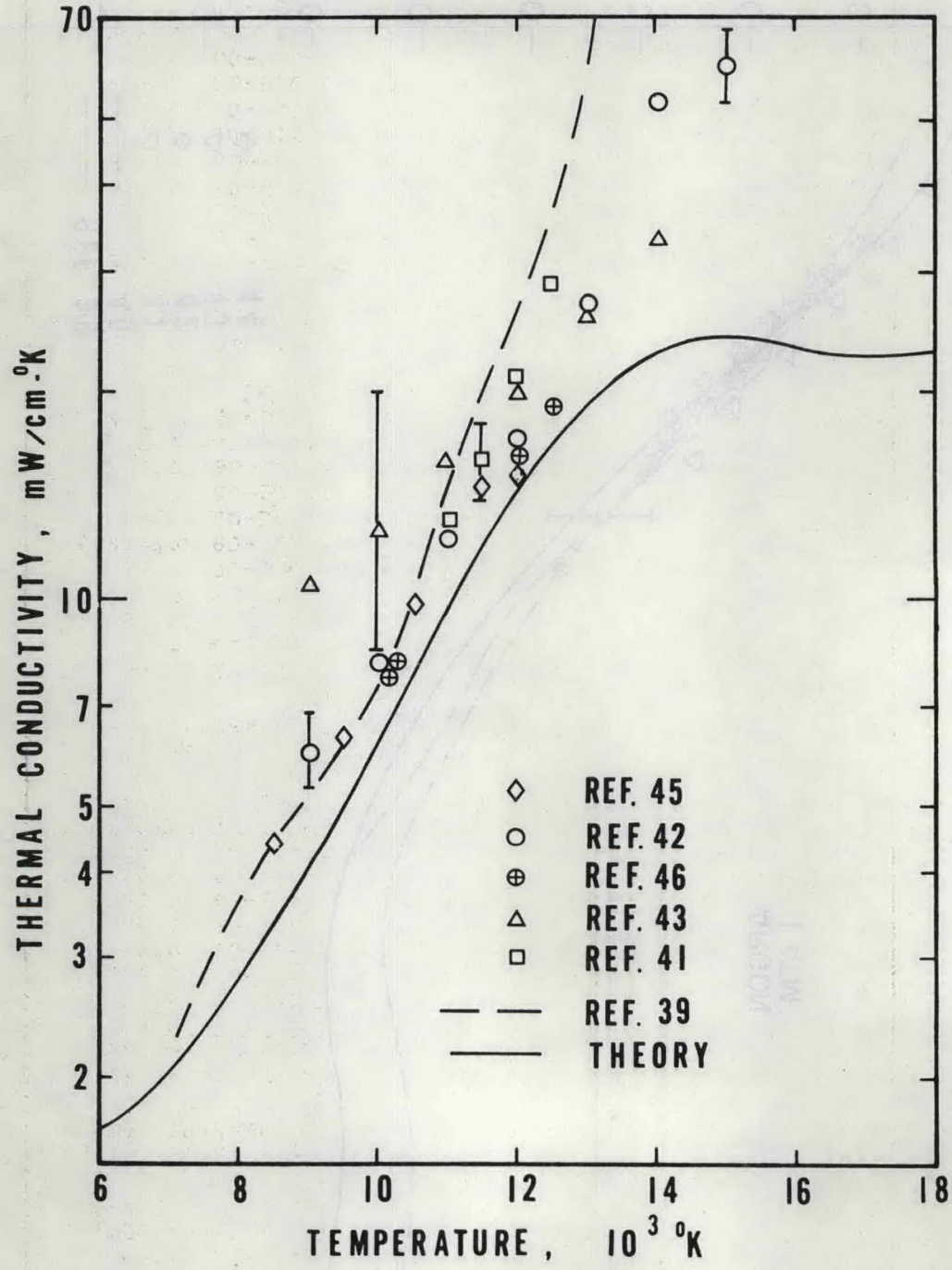
20
40
60
80
100
120
140
160
5
10
15
20
25
30
TEMPERATURE 10^3 °K
ARGON
1 ATM

Fig. 9

Fig. 10


70
10
7
5
4
3
2
THERMAL CONDUCTIVITY, mW/cm.°K
6
8
10
12
14
16
18
TEMPERATURE, 10³ °K
REF. 45
REF. 42
REF. 46
REF. 43
REF. 41
REF. 39
THEORY

APPENDIX A

The Morse Potential

The Morse potential is commonly written in two equivalent forms[5,6]

$$\phi = \phi_0 \left\{ \exp\left[-\frac{2C}{\sigma} (r-r_e) \right] - 2 \exp\left[-\frac{C}{\sigma} (r-r_e) \right] \right\} \tag{A1}$$

$$\phi = \phi_0 \left\{ \exp\left[-\frac{2\beta}{r_e} (r-r_e) \right] - 2 \exp\left[-\frac{\beta}{r_e} (r-r_e) \right] \right\} \tag{A2}$$

where the zero-point of energy is taken at infinite separation of the molecular constituents. Thus the depth of the potential well is ϕ_0, often denoted by D_e, and called the dissociation energy measured from the minimum. r_e is the separation distance r at which $\phi = -\phi_0$, or the equilibrium internuclear separation, σ is the distance where $\phi = 0$ and

$$C = \frac{\sigma \ell n 2}{r_e - \sigma} \tag{A3}$$

is a measure of the shape of the potential curve near the minimum. From comparison of Eqs. (A1) and (A2) and using (A3) we see that

$$\beta = C + \ell n 2 \tag{A4}$$

The Morse potential has a finite value at the origin, given by

$$\phi(0) = 4\phi_0 e^C (e^C - 1) \tag{A5}$$

This is an unrealistic potential near the origin, unimportant for the computation of vibrational energy levels but important for use in intermolecular collisions if the relative energy of the colliding species is an appreciable fraction of $\phi(0)$. The true intermolecular potential behaves more like the Coulomb potential as $r \to 0$. One modification which renders this form more suitable for collision problems is to replace Eq. (A1) or (A2) by $\phi = \infty$ (hard sphere) when $r \leq r_\sigma$, a finite value of $r > 0$, but less than σ. Ref. 6 defines this

distance by

$$r_\sigma = 0.3\sigma = 0.3 r_e \left(\frac{C}{C + \ell n 2}\right) \tag{A6}$$

In this way the authors of Ref. 6 are able to extend their tables of collision integrals to higher values of $T^* \equiv kT/\phi_0$ than would be physically realistic with the pure Morse potential.

It is worth noting here the relationship of the above contents for the Morse potential to certain spectroscopic quantities. We have

$$\omega_e = \beta \left(\frac{D_e \hbar}{\pi c \mu}\right)^{\frac{1}{2}} \tag{A7}$$

and

$$\omega_e x_e = \frac{\hbar \beta^2}{4\pi c \mu} \tag{A8}$$

where μ is the reduced mass, c the speed of light, and ω_e and $\omega_e x_e$ are vibrational constants in the formula for vibrational energy term $G(v)$

$$G(v) = \omega_e (v + \tfrac{1}{2}) - \omega_e x_e (v + \tfrac{1}{2})^2 \tag{A9}$$

No higher powers of $v + \frac{1}{2}$ occur for the Morse potential. The rotational constant B_e is related to the equilibrium internuclear distance r_e by

$$B_e = \frac{\hbar}{4\pi c \mu r_e^2} \tag{A10}$$

Finally, the true dissociation energy D_0 (measured from the lst vibrational level) is related to the other constants by

$$D_0 = D_e - \tfrac{1}{2}\omega_e + \tfrac{1}{4}\omega_e x_e \tag{A11}$$

All the above spectroscopic constants are given in cm^{-1}.

Tables of collision integrals have been prepared by Smith and Munn[5] (SM) for the potential form in Eq. (A1) and by Samulov and Tsitelauri[6] (ST) for that of Eq. (A2) with the modification of $\phi = \infty$ at $r \leq r_\sigma$. The range of variables

covered in the tables is as follows:

Smith-Munn: $1 \leq C \leq 20$,

$.004 \leq T^* \leq 200$ but

$$T^* \leq \begin{cases} 0.4 & \text{for} \quad C = 1 \\ 4.0 & \text{for} \quad C = 2 \end{cases}$$

Samuylov-Tsitelauri: $1 \leq \beta \leq 5$ $(.307 \leq C \leq 4.307)$

$.01 \leq T^* \leq 20$

We see that somewhat different ranges of the variables are available in the two works. Of importance in many applications is the fact that the ST values extend to lower values of C and their model is much more realistic for high T^* and low C.

The accuracy of possible interpolation procedures in the tables was checked by applying them to obtain a tabulated value. For the ST work, linear interpolation vs. T^* was judged to be accurate to better than 0.75% while interpolation vs. $\ell n\, \beta$ yielded results accurate to within 0.6%, both adequate for the present work. For work where higher accuracy is required, these figures can be improved to better than 0.1% with $\ell n\, \Omega$ vs. $\ell n\, T^*$ or $\ell n\, \beta$ interpolation. Higher accuracy yet is obtained with a Lagrange 3-point formula using logarithmic arguments.

APPENDIX B

Included in this appendix are some of the formulae as used for the computations and which were judged too complicated to include in the text. The numerical factors are computed under the assumption that $\bar{Q}^{(\ell,s)}$ will be given in units of $\mathring{A}^2$ and that c.g.s. units are used for other quantities except where otherwise indicated.

Heavy thermal conductivity:

$$\lambda_h \equiv \lambda_h^{\perp} + i\,\lambda_h^{H} = -\,C_1\,\frac{T^{\frac{1}{2}}}{|q^{11}|}\begin{vmatrix} q_{11}^{11} & q_{12}^{11} & x_1 \\ q_{21}^{11} & q_{22}^{11} & x_2 \\ \frac{x_1}{M_1^{\frac{1}{2}}} & \frac{x_2}{M_2^{\frac{1}{2}}} & 0 \end{vmatrix}, \tag{B1}$$

where

$$C_1 = \frac{75k}{8}\,(2\pi\bar{R})^{\frac{1}{2}} = 2.9582 \times 10^5, \tag{B2}$$

$$q_{ij}^{11} = -\,8\,x_i\,x_j\,M_j\,M_i^{3/2}\,[13.75\,\bar{Q}_{ij}^{(1,1)} - 15\,\bar{Q}_{ij}^{(1,2)} + 12\,\bar{Q}_{ij}^{(1,3)} - 4\,\bar{Q}_{ij}^{(2,2)}]/(M_i + M_j)^{5/2}, \quad (i \neq j) \tag{B3}$$

$$q_{ji}^{11} = \frac{M_j^{\frac{1}{2}}}{M_i^{\frac{1}{2}}}\,q_{ij}^{11}, \tag{B4}$$

$$q_{ii}^{11} = 8\,x_i\left\{\sqrt{2}\,x_i\,\bar{Q}_{ii}^{(2,2)} + \sum_{\ell\neq i} x_\ell\,\frac{M_\ell^{\frac{1}{2}}}{(M_i+M_\ell)^{5/2}}\right.$$

$$\left[1.25\,(6M_i^2 + 5M_\ell^2)\bar{Q}_{i\ell}^{(1,1)} - 15M_\ell^2\,\bar{Q}_{i\ell}^{(1,2)} + 12\,M_\ell^2\,\bar{Q}_{i\ell}^{(1,3)}\right.$$

$$\left.\left. + 4M_iM_\ell\bar{Q}_{i\ell}^{(2,2)}\right]\right\} + i\,C_2\,\frac{\omega_i x_i}{n}\left(\frac{M_i}{T}\right)^{\frac{1}{2}}, \tag{B5}$$

$$C_2 = \frac{15}{4}\left(\frac{2\pi}{\bar{R}}\right)^{\frac{1}{2}} = 1.0308 \times 10^{13}, \tag{B6}$$

and

$$\omega_i = \frac{e\,z_i\,BA}{c\,M_i} = 9.6503 \times 10^3\,\frac{z_i B}{M_i} \tag{B7}$$

M_j and $x_j = n_j/n$ are the molecular weight and concentration of species j, $z_j e$ is the charge on species j, $\bar{R}$ and A are the universal gas constant and Avogadro's constant and $|q^{11}|$ is the same determinant as in the numerator, but without the last row and last column. In the present computations, subscript 1 was taken to denote the atoms and 2 to denote the ions. Generalization of these expressions to an additional ion or another neutral involves merely the insertion of one row and one column in both numerator and denominator. In the limit $B \to 0$, $\lambda_h^{\perp}$ reduces to $\lambda_h^{\parallel}$ and λ_h^H to 0.

Electron Thermal Conductivity:

$$\lambda_e \equiv \lambda_e^{\perp} + i\,\lambda_e^H = -\,C_3\, x_e\, T^{\frac{1}{2}}\, \frac{q^{22}}{q^{11}q^{22} - (q^{12})^2} \quad , \tag{B8}$$

$$C_3 = \frac{75k}{8}\left(\frac{2\pi\bar{R}}{M_e}\right)^{\frac{1}{2}} = 1.2630 \times 10^7 \quad , \tag{B9}$$

$$q^{11} = 8\sqrt{2}\, x_e\, \bar{Q}_{ee}^{(2,2)} + 8 \sum_j x_j \left[\frac{25}{4}\bar{Q}_{ej}^{(1,1)} - 15\,\bar{Q}_{ej}^{(1,2)} + 12\,\bar{Q}_{ej}^{(1,3)}\right] + i\, C_4 \frac{15\omega_e}{4nT^{\frac{1}{2}}} \quad , \tag{B10}$$

$$q^{12} = 8\sqrt{2}\, x_e \left[\frac{7}{4}\bar{Q}_{ee}^{(2,2)} - 2\,\bar{Q}_{ee}^{(2,3)}\right] + 8 \sum_j x_j \left[\frac{175}{16}\bar{Q}_{ej}^{(1,1)} - \frac{315}{8}\bar{Q}_{ej}^{(1,2)} + 57\,\bar{Q}_{ej}^{(1,3)} - 30\,\bar{Q}_{ej}^{(1,4)}\right] , \tag{B11}$$

$$q^{22} = 8\sqrt{2}\, x_e \left[\frac{77}{16}\bar{Q}_{ee}^{(2,2)} - 7\,\bar{Q}_{ee}^{(2,3)} + 5\,\bar{Q}_{ee}^{(2,4)}\right] + 8 \sum_j x_j \left[\frac{1225}{64}\bar{Q}_{ej}^{(1,1)} - \frac{735}{8}\bar{Q}_{ej}^{(1,2)} + \frac{399}{2}\bar{Q}_{ej}^{(1,3)} - 210\,\bar{Q}_{ej}^{(1,4)} + 90\,\bar{Q}_{ej}^{(1,5)}\right] + i\, C_4 \frac{105}{16} \frac{\omega_e}{nT^{\frac{1}{2}}} \quad , \tag{B12}$$

$$C_4 = \left(\frac{2\pi M_e}{\bar{R}}\right)^{\frac{1}{2}} = 6.4388 \times 10^{-6} \quad , \tag{B13}$$

where the subscripts e and j denote the electrons and the ions or atoms, respectively.

Electrical Conductivity (mho/cm):

$$\sigma = C_5 \frac{x_e}{T^{\frac{1}{2}}} \frac{q^{11} q^{22} - (q^{12})^2}{|q|} \quad , \tag{B14}$$

$$C_5 = 3e^2 A \left(\frac{\pi}{2M_e \bar{R}}\right)^{\frac{1}{2}} = 2.7214 \times 10^5 \quad , \tag{B15}$$

$$|q| = \begin{vmatrix} q^{00} & q^{01} & q^{02} \\ q^{01} & q^{11} & q^{12} \\ q^{02} & q^{12} & q^{22} \end{vmatrix} \quad , \tag{B16}$$

$$q^{00} = 8 \sum_j x_j \bar{Q}_{ej}^{(1,1)} + i C_4 \frac{3\omega_e}{2nT^{\frac{1}{2}}} \quad , \tag{B17}$$

$$q^{01} = 8 \sum_j x_j \left[\frac{5}{2} \bar{Q}_{ej}^{(1,1)} - 3\bar{Q}_{ej}^{(1,2)}\right] , \tag{B18}$$

$$q^{02} = 8 \sum_j x_j \left[\frac{35}{8} \bar{Q}_{ej}^{(1,1)} - \frac{21}{2} \bar{Q}_{ej}^{(1,2)} + 6 \bar{Q}_{ej}^{(1,3)}\right] . \tag{B19}$$

Note that ω_e is negative since $z_e e$ is negative (see Eq. (B7)).

Thermal Diffusion Coefficient:

$$D_e^T = C_6 x_e T^{\frac{1}{2}} \frac{q^{01} q^{22} - q^{02} q^{12}}{|q|} \quad , \tag{B20}$$

$$C_6 = \frac{15(2\pi M_e \bar{R})^{\frac{1}{2}}}{4A} = 3.3334 \times 10^{-5} . \tag{B21}$$

Recall that the above expressions for the electron properties have been used for conditions other than low degrees of ionization and weak magnetic fields

APPENDIX C

The electron properties are given in this appendix in the form of a computer output. An explanation of the symbols follows:

P = pressure, atm.

T = temperature, °K

NTOT = n = total number density, $cm.^{-3}$

DEBYE = d = Debye length, cm.

LAMBDA = $\Lambda \equiv 2d/b_o$

LNLMBD = $\ln \Lambda$

N1, N2, N3, N4, etc. = number densities of electrons, atoms, 1st ion, 2nd ion, etc., $cm.^{-3}$

B = magnetic field, Gauss

OM-TAU = $\omega_e \tau_e$ = cyclotron frequency x collision time for electrons.

SIG-1 = $\sigma^{\perp}$ (= $\sigma^{\parallel}$ when B = 0), mho/cm.

SIG-2 = σ^{H} , mho/cm.

DT-1 = $D_e^{T\perp}$ (= $D_e^{T\parallel}$ when B = 0), gm/cm-sec

DT-2 = D_e^{TH} , g/cm-sec

LAM-1 = $\lambda_e^{\perp}$ (= $\lambda_e^{\parallel}$ when B = 0), mW/cm-°K

LAM-2 = λ_e^{H} , mW/cm-°K

(see Appendix D for the atom-ion translation and the reactive thermal conductivities)

P= 0.001 T= 3000. NTOT=2.45E 15 DEBYE=8.90E-01 LAMBDA=6.39E 06 LNLMBD=15.67
N1=1.80328E 05 N2=2.44650E 15 N3=1.80328E 05 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.89E-05	0.00E-01	-2.88E-14	0.00E-01	2.98E-07	0.00E-01
500.	-1.07E 03	5.39E-12	5.78E-09	1.51E-20	-7.15E-23	9.55E-13	3.22E-10
1000.	-2.14E 03	1.35E-12	2.89E-09	3.78E-21	-8.94E-24	2.39E-13	1.61E-10
2500.	-5.36E 03	2.16E-13	1.16E-09	6.04E-22	-5.72E-25	3.82E-14	6.44E-11
5000.	-1.07E 04	5.39E-14	5.78E-10	1.51E-22	-7.15E-26	9.55E-15	3.22E-11
7500.	-1.61E 04	2.40E-14	3.85E-10	6.71E-23	-2.12E-26	4.25E-15	2.15E-11
10000.	-2.14E 04	1.35E-14	2.89E-10	3.78E-23	-8.94E-27	2.39E-15	1.61E-11
25000.	-5.36E 04	2.16E-15	1.16E-10	6.04E-24	-5.72E-28	3.82E-16	6.44E-12
50000.	-1.07E 05	5.39E-16	5.78E-11	1.51E-24	-7.15E-29	9.55E-17	3.22E-12
100000.	-2.14E 05	1.35E-16	2.89E-11	3.78E-25	-8.94E-30	2.39E-17	1.61E-12
150000.	-3.21E 05	5.99E-17	1.93E-11	1.68E-25	-2.65E-30	1.06E-17	1.07E-12

P= 0.001 T= 4000. NTOT=1.83E 15 DEBYE=2.18E-02 LAMBDA=2.08E 05 LNLMBD=12.25
N1=4.02511E 08 N2=1.83487E 15 N3=4.02511E 08 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.72E-02	0.00E-01	-8.28E-11	0.00E-01	6.53E-04	0.00E-01
500.	-8.25E 02	1.56E-08	1.29E-05	5.58E-17	-3.20E-19	3.48E-09	9.58E-07
1000.	-1.65E 03	3.91E-09	6.45E-06	1.40E-17	-4.00E-20	8.71E-10	4.79E-07
2500.	-4.13E 03	6.25E-10	2.58E-06	2.23E-18	-2.56E-21	1.39E-10	1.92E-07
5000.	-8.25E 03	1.56E-10	1.29E-06	5.59E-19	-3.20E-22	3.48E-11	9.58E-08
7500.	-1.24E 04	6.95E-11	8.60E-07	2.48E-19	-9.47E-23	1.55E-11	6.38E-08
10000.	-1.65E 04	3.91E-11	6.45E-07	1.40E-19	-4.00E-23	8.71E-12	4.79E-08
25000.	-4.13E 04	6.25E-12	2.58E-07	2.23E-20	-2.56E-24	1.39E-12	1.92E-08
50000.	-8.25E 04	1.56E-12	1.29E-07	5.59E-21	-3.20E-25	3.48E-13	9.58E-09
100000.	-1.65E 05	3.91E-13	6.45E-08	1.40E-21	-4.00E-26	8.71E-14	4.79E-09
150000.	-2.48E 05	1.74E-13	4.30E-08	6.21E-22	-1.18E-26	3.87E-14	3.19E-09

P= 0.001 T= 5000. NTOT=1.47E 15 DEBYE=2.39E-03 LAMBDA=2.86E 04 LNLMBD=10.26
N1=4.16924E 10 N2=1.46782E 15 N3=4.16924E 10 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.05E 00	0.00E-01	-1.02E-09	0.00E-01	3.20E-02	0.00E-01
500.	-5.41E 02	2.47E-06	1.34E-03	6.68E-15	-5.71E-17	6.14E-07	1.24E-04
1000.	-1.08E 03	6.17E-07	6.68E-04	1.67E-15	-7.14E-18	1.53E-07	6.20E-05
2500.	-2.71E 03	9.87E-08	2.67E-04	2.67E-16	-4.57E-19	2.45E-08	2.48E-05
5000.	-5.41E 03	2.47E-08	1.34E-04	6.68E-17	-5.71E-20	6.14E-09	1.24E-05
7500.	-8.12E 03	1.10E-08	8.91E-05	2.97E-17	-1.69E-20	2.73E-09	8.27E-06
10000.	-1.08E 04	6.17E-09	6.68E-05	1.67E-17	-7.14E-21	1.53E-09	6.20E-06
25000.	-2.71E 04	9.87E-10	2.67E-05	2.67E-18	-4.57E-22	2.45E-10	2.48E-06
50000.	-5.41E 04	2.47E-10	1.34E-05	6.68E-19	-5.71E-23	6.14E-11	1.24E-06
100000.	-1.08E 05	6.17E-11	6.68E-06	1.67E-19	-7.14E-24	1.53E-11	6.20E-07
150000.	-1.62E 05	2.74E-11	4.45E-06	7.42E-20	-2.11E-24	6.82E-12	4.13E-07

P= 0.001 T= 6000. NTOT=1.22E 15 DEBYE=5.55E-04 LAMBDA=7.97E 03 LNLMBD= 8.98
N1=9.27992E 11 N2=1.22139E 15 N3=9.27992E 11 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.65E 00	0.00E-01	3.58E-09	0.00E-01	2.20E-01	0.00E-01
500.	-1.25E 02	2.37E-04	2.97E-02	-5.01E-13	3.54E-14	5.34E-05	3.31E-03
1000.	-2.51E 02	5.92E-05	1.49E-02	-1.25E-13	5.48E-15	1.33E-05	1.66E-03
2500.	-6.27E 02	9.48E-06	5.95E-03	-2.01E-14	7.68E-16	2.14E-06	6.62E-04
5000.	-1.25E 03	2.37E-06	2.97E-03	-5.02E-15	2.81E-16	5.34E-07	3.31E-04
7500.	-1.88E 03	1.05E-06	1.98E-03	-2.23E-15	1.75E-16	2.37E-07	2.21E-04
10000.	-2.51E 03	5.92E-07	1.49E-03	-1.25E-15	1.27E-16	1.33E-07	1.66E-04
25000.	-6.27E 03	9.48E-08	5.95E-04	-2.01E-16	4.94E-17	2.14E-08	6.62E-05
50000.	-1.25E 04	2.37E-08	2.97E-04	-5.02E-17	2.47E-17	5.34E-09	3.31E-05
100000.	-2.51E 04	5.92E-09	1.49E-04	-1.25E-17	1.23E-17	1.33E-09	1.66E-05
150000.	-3.76E 04	2.63E-09	9.91E-05	-5.57E-18	8.21E-18	5.93E-10	1.10E-05

P= 0.001 T= 7000. NTOT=1.05E 15 DEBYE=1.97E-04 LAMBDA=3.31E 03 LNLMBD= 8.10
N1=8.56801E 12 N2=1.03136E 15 N3=8.56801E 12 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.03E 01	0.00E-01	1.81E-08	0.00E-01	7.37E-01	0.00E-01
500.	-2.44E 01	1.11E-02	2.74E-01	-4.55E-11	1.10E-11	2.64E-03	3.54E-02
1000.	-4.89E 01	2.80E-03	1.37E-01	-1.16E-11	1.72E-12	6.67E-04	1.78E-02
2500.	-1.22E 02	4.49E-04	5.49E-02	-1.86E-12	1.36E-13	1.07E-04	7.13E-03
5000.	-2.44E 02	1.12E-04	2.75E-02	-4.66E-13	1.97E-14	2.68E-05	3.57E-03
7500.	-3.66E 02	5.00E-05	1.83E-02	-2.07E-13	6.87E-15	1.19E-05	2.38E-03
10000.	-4.89E 02	2.81E-05	1.37E-02	-1.17E-13	3.48E-15	6.70E-06	1.78E-03
25000.	-1.22E 03	4.50E-06	5.49E-03	-1.87E-14	6.69E-16	1.07E-06	7.14E-04
50000.	-2.44E 03	1.12E-06	2.75E-03	-4.67E-15	2.83E-16	2.68E-07	3.57E-04
100000.	-4.89E 03	2.81E-07	1.37E-03	-1.17E-15	1.34E-16	6.70E-08	1.78E-04
150000.	-7.33E 03	1.25E-07	9.15E-04	-5.18E-16	8.89E-17	2.98E-08	1.19E-04

P= 0.001 T= 8000. NTOT=9.17E 14 DEBYE=9.14E-05 LAMBDA=1.75E 03 LNLMBD= 7.47
N1=4.55562E 13 N2=8.26325E 14 N3=4.55562E 13 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.53E 01	0.00E-01	3.69E-08	0.00E-01	1.41E 00	0.00E-01
500.	-6.42E 00	1.97E-01	1.40E 00	-8.42E-10	5.55E-10	4.99E-02	1.96E-01
1000.	-1.28E 01	5.44E-02	7.21E-01	-2.65E-10	1.04E-10	1.43E-02	1.05E-01
2500.	-3.21E 01	9.02E-03	2.91E-01	-4.56E-11	9.32E-12	2.40E-03	4.31E-02
5000.	-6.42E 01	2.27E-03	1.46E-01	-1.15E-11	1.44E-12	6.04E-04	2.17E-02
7500.	-9.64E 01	1.01E-03	9.73E-02	-5.13E-12	4.69E-13	2.69E-04	1.44E-02
10000.	-1.28E 02	5.68E-04	7.30E-02	-2.89E-12	2.09E-13	1.51E-04	1.08E-02
25000.	-3.21E 02	9.09E-05	2.92E-02	-4.62E-13	1.67E-14	2.42E-05	4.34E-03
50000.	-6.42E 02	2.27E-05	1.46E-02	-1.16E-13	3.31E-15	6.05E-06	2.17E-03
100000.	-1.28E 03	5.68E-06	7.30E-03	-2.89E-14	1.02E-15	1.51E-06	1.08E-03
150000.	-1.93E 03	2.52E-06	4.87E-03	-1.28E-14	6.00E-16	6.72E-07	7.23E-04

P= 0.001 T= 9000. NTOT=8.15E 14 DEBYE=5.59E-05 LAMBDA=1.21E 03 LNLMBD= 7.09
N1=1.36968E 14 N2=5.41563E 14 N3=1.36968E 14 N4=2.21512E 06 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.98E 01	0.00E-01	5.66E-08	0.00E-01	2.13E 00	0.00E-01
500.	-2.74E 00	1.03E 00	3.84E 00	-2.90E-09	4.74E-09	2.42E-01	5.27E-01
1000.	-5.48E 00	3.32E-01	2.08E 00	-1.53E-09	1.18E-09	9.23E-02	3.21E-01
2500.	-1.37E 01	6.16E-02	8.68E-01	-3.43E-10	1.32E-10	1.82E-02	1.43E-01
5000.	-2.74E 01	1.58E-02	4.38E-01	-9.08E-11	2.13E-11	4.70E-03	7.28E-02
7500.	-4.11E 01	7.08E-03	2.92E-01	-4.08E-11	7.20E-12	2.10E-03	4.87E-02
10000.	-5.48E 01	3.99E-03	2.19E-01	-2.30E-11	3.32E-12	1.19E-03	3.66E-02
25000.	-1.37E 02	6.40E-04	8.78E-02	-3.70E-12	2.61E-13	1.90E-04	1.47E-02
50000.	-2.74E 02	1.60E-04	4.39E-02	-9.26E-13	3.80E-14	4.76E-05	7.33E-03
100000.	-5.48E 02	4.00E-05	2.19E-02	-2.32E-13	6.83E-15	1.19E-05	3.67E-03
150000.	-8.23E 02	1.78E-05	1.46E-02	-1.03E-13	3.03E-15	5.29E-06	2.44E-03

P= 0.001 T= 10000. NTOT=7.34E 14 DEBYE=4.29E-05 LAMBDA=1.03E 03 LNLMBD= 6.93
N1=2.59217E 14 N2=2.15515E 14 N3=2.59217E 14 N4=9.31014E 07 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.41E 01	0.00E-01	7.77E-08	0.00E-01	2.91E 00	0.00E-01
500.	-1.75E 00	2.51E 00	6.68E 00	-4.10E-09	1.34E-08	5.42E-01	9.36E-01
1000.	-3.51E 00	8.44E-01	3.76E 00	-3.35E-09	4.05E-09	2.37E-01	6.02E-01
2500.	-8.77E 00	1.74E-01	1.62E 00	-1.02E-09	5.45E-10	5.59E-02	2.91E-01
5000.	-1.75E 01	4.63E-02	8.25E-01	-2.91E-10	9.54E-11	1.52E-02	1.52E-01
7500.	-2.63E 01	2.08E-02	5.52E-01	-1.33E-10	3.26E-11	6.85E-03	1.02E-01
10000.	-3.51E 01	1.18E-02	4.15E-01	-7.55E-11	1.51E-11	3.87E-03	7.68E-02
25000.	-8.77E 01	1.89E-03	1.66E-01	-1.22E-11	1.25E-12	6.24E-04	3.08E-02
50000.	-1.75E 02	4.74E-04	8.31E-02	-3.05E-12	1.79E-13	1.56E-04	1.54E-02
100000.	-3.51E 02	1.18E-04	4.15E-02	-7.64E-13	2.72E-14	3.90E-05	7.71E-03
150000.	-5.26E 02	5.26E-05	2.77E-02	-3.39E-13	1.02E-14	1.73E-05	5.14E-03

P= 0.001 T= 11000. NTOT=6.67E 14 DEBYE=4.12E-05 LAMBDA=1.08E 03 LNLMBD= 6.99
N1=3.08606E 14 N2=5.00168E 13 N3=3.08602E 14 N4=2.01133E 09 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.76E 01	0.00E-01	9.87E-08	0.00E-01	3.68E 00	0.00E-01
500.	-1.68E 00	3.05E 00	7.88E 00	-5.09E-09	1.78E-08	7.10E-01	1.21E 00
1000.	-3.37E 00	1.03E 00	4.45E 00	-4.35E-09	5.51E-09	3.13E-01	7.78E-01
2500.	-8.41E 00	2.14E-01	1.92E 00	-1.38E-09	7.54E-10	7.55E-02	3.79E-01
5000.	-1.68E 01	5.73E-02	9.81E-01	-3.97E-10	1.33E-10	2.06E-02	1.98E-01
7500.	-2.52E 01	2.58E-02	6.57E-01	-1.82E-10	4.56E-11	9.33E-03	1.34E-01
10000.	-3.37E 01	1.46E-02	4.93E-01	-1.03E-10	2.11E-11	5.28E-03	1.01E-01
25000.	-8.41E 01	2.35E-03	1.98E-01	-1.67E-11	1.76E-12	8.51E-04	4.04E-02
50000.	-1.68E 02	5.87E-04	9.89E-02	-4.18E-12	2.51E-13	2.13E-04	2.02E-02
100000.	-3.37E 02	1.47E-04	4.94E-02	-1.05E-12	3.79E-14	5.32E-05	1.01E-02
150000.	-5.05E 02	6.53E-05	3.30E-02	-4.65E-13	1.40E-14	2.37E-05	6.73E-03

P= 0.001 T= 12000. NTOT=6.12E 14 DEBYE=4.36E-05 LAMBDA=1.25E 03 LNLMBD= 7.13
N1=3.00611E 14 N2=1.04291E 13 N3=3.00558E 14 N4=2.63613E 10 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.08E 01	0.00E-01	1.20E-07	0.00E-01	4.47E 00	0.00E-01
500.	-1.92E 00	2.76E 00	7.91E 00	-6.44E-09	1.77E-08	7.40E-01	1.35E 00
1000.	-3.83E 00	9.23E-01	4.40E 00	-4.73E-09	5.13E-09	3.18E-01	8.60E-01
2500.	-9.59E 00	1.87E-01	1.89E 00	-1.34E-09	6.62E-10	7.23E-02	4.08E-01
5000.	-1.92E 01	4.92E-02	9.58E-01	-3.76E-10	1.13E-10	1.94E-02	2.12E-01
7500.	-2.88E 01	2.21E-02	6.40E-01	-1.71E-10	3.85E-11	8.74E-03	1.42E-01
10000.	-3.83E 01	1.25E-02	4.81E-01	-9.69E-11	1.78E-11	4.94E-03	1.07E-01
25000.	-9.59E 01	2.01E-03	1.93E-01	-1.56E-11	1.47E-12	7.95E-04	4.29E-02
50000.	-1.92E 02	5.02E-04	9.63E-02	-3.91E-12	2.09E-13	1.99E-04	2.15E-02
100000.	-3.83E 02	1.26E-04	4.82E-02	-9.78E-13	3.26E-14	4.97E-05	1.07E-02
150000.	-5.75E 02	5.58E-05	3.21E-02	-4.35E-13	1.26E-14	2.21E-05	7.15E-03

P= 0.001 T= 13000. NTOT=5.65E 14 DEBYE=4.69E-05 LAMBDA=1.46E 03 LNLMBD= 7.29
N1=2.81142E 14 N2=2.52806E 12 N3=2.80672E 14 N4=2.34857E 11 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.39E 01	0.00E-01	1.44E-07	0.00E-01	5.35E 00	0.00E-01
500.	-2.25E 00	2.36E 00	7.63E 00	-7.64E-09	1.62E-08	7.32E-01	1.46E 00
1000.	-4.50E 00	7.78E-01	4.19E 00	-4.78E-09	4.36E-09	3.02E-01	9.10E-01
2500.	-1.12E 01	1.51E-01	1.77E 00	-1.21E-09	5.25E-10	6.40E-02	4.19E-01
5000.	-2.25E 01	3.94E-02	8.97E-01	-3.29E-10	8.72E-11	1.69E-02	2.15E-01
7500.	-3.37E 01	1.77E-02	5.99E-01	-1.49E-10	2.95E-11	7.57E-03	1.44E-01
10000.	-4.50E 01	9.97E-03	4.50E-01	-8.41E-11	1.36E-11	4.28E-03	1.08E-01
25000.	-1.12E 02	1.60E-03	1.80E-01	-1.35E-11	1.10E-12	6.87E-04	4.35E-02
50000.	-2.25E 02	4.00E-04	9.01E-02	-3.39E-12	1.57E-13	1.72E-04	2.17E-02
100000.	-4.50E 02	1.00E-04	4.50E-02	-8.47E-13	2.60E-14	4.30E-05	1.09E-02
150000.	-6.75E 02	4.45E-05	3.00E-02	-3.77E-13	1.07E-14	1.91E-05	7.25E-03

P= 0.001 T= 14000. NTOT=5.24E 14 DEBYE=5.04E-05 LAMBDA=1.69E 03 LNLMBD= 7.43
N1=2.62522E 14 N2=7.37238E 11 N3=2.59458E 14 N4=1.53225E 12 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.68E 01	0.00E-01	1.69E-07	0.00E-01	6.27E 00	0.00E-01
500.	-2.60E 00	2.02E 00	7.30E 00	-8.53E-09	1.44E-08	7.16E-01	1.55E 00
1000.	-5.21E 00	6.57E-01	3.96E 00	-4.69E-09	3.64E-09	2.81E-01	9.47E-01
2500.	-1.30E 01	1.24E-01	1.66E 00	-1.08E-09	3.71E-10	5.65E-02	4.25E-01
5000.	-2.60E 01	3.19E-02	8.38E-01	-2.89E-10	5.51E-11	1.47E-02	2.17E-01
7500.	-3.91E 01	1.43E-02	5.60E-01	-1.30E-10	1.78E-11	6.58E-03	1.45E-01
10000.	-5.21E 01	8.05E-03	4.20E-01	-7.34E-11	7.97E-12	3.71E-03	1.09E-01
25000.	-1.30E 02	1.29E-03	1.68E-01	-1.18E-11	5.87E-13	5.96E-04	4.37E-02
50000.	-2.60E 02	3.23E-04	8.41E-02	-2.95E-12	8.16E-14	1.49E-04	2.19E-02
100000.	-5.21E 02	8.07E-05	4.21E-02	-7.38E-13	1.33E-14	3.72E-05	1.09E-02
150000.	-7.81E 02	3.59E-05	2.80E-02	-3.28E-13	5.45E-15	1.66E-05	7.29E-03

P= 0.001 T= 15000. NTOT=4.89E 14 DEBYE=5.36E-05 LAMBDA=1.93E 03 LNLMBD= 7.56
N1=2.48287E 14 N2=2.52899E 11 N3=2.33234E 14 N4=7.52643E 12 N5=2.71852E 06

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.89E 01	0.00E-01	1.94E-07	0.00E-01	7.21E 00	0.00E-01
500.	-2.88E 00	1.80E 00	7.01E 00	-9.19E-09	1.38E-08	7.06E-01	1.63E 00
1000.	-5.76E 00	5.78E-01	3.78E 00	-4.64E-09	3.26E-09	2.67E-01	9.82E-01
2500.	-1.44E 01	1.07E-01	1.57E 00	-1.01E-09	2.80E-10	5.17E-02	4.33E-01
5000.	-2.88E 01	2.74E-02	7.93E-01	-2.66E-10	3.67E-11	1.34E-02	2.20E-01
7500.	-4.32E 01	1.22E-02	5.30E-01	-1.20E-10	1.10E-11	5.97E-03	1.47E-01
10000.	-5.76E 01	6.90E-03	3.98E-01	-6.75E-11	4.65E-12	3.37E-03	1.11E-01
25000.	-1.44E 02	1.11E-03	1.59E-01	-1.08E-11	2.99E-13	5.40E-04	4.43E-02
50000.	-2.88E 02	2.76E-04	7.96E-02	-2.71E-12	3.74E-14	1.35E-04	2.22E-02
100000.	-5.76E 02	6.91E-05	3.98E-02	-6.78E-13	4.67E-15	3.37E-05	1.11E-02
150000.	-8.63E 02	3.07E-05	2.65E-02	-3.01E-13	1.38E-15	1.50E-05	7.38E-03

P= 0.001 T= 16000. NTOT=4.59E 14 DEBYE=5.60E-05 LAMBDA=2.15E 03 LNLMBD= 7.67
N1=2.42577E 14 N2=9.59048E 10 N3=1.89513E 14 N4=2.65319E 13 N5=8.00634E 07

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.86E 01	0.00E-01	2.15E-07	0.00E-01	8.00E 00	0.00E-01
500.	-2.86E 00	1.76E 00	6.83E 00	-9.84E-09	1.45E-08	7.24E-01	1.71E 00
1000.	-5.72E 00	5.69E-01	3.69E 00	-4.91E-09	3.39E-09	2.72E-01	1.03E 00
2500.	-1.43E 01	1.05E-01	1.54E 00	-1.06E-09	2.89E-10	5.24E-02	4.52E-01
5000.	-2.86E 01	2.69E-02	7.75E-01	-2.79E-10	3.79E-11	1.35E-02	2.30E-01
7500.	-4.29E 01	1.20E-02	5.18E-01	-1.25E-10	1.13E-11	6.04E-03	1.54E-01
10000.	-5.72E 01	6.78E-03	3.88E-01	-7.07E-11	4.79E-12	3.40E-03	1.15E-01
25000.	-1.43E 02	1.09E-03	1.55E-01	-1.14E-11	3.08E-13	5.46E-04	4.62E-02
50000.	-2.86E 02	2.72E-04	7.77E-02	-2.84E-12	3.85E-14	1.37E-04	2.31E-02
100000.	-5.72E 02	6.80E-05	3.89E-02	-7.10E-13	4.81E-15	3.41E-05	1.15E-02
150000.	-8.57E 02	3.02E-05	2.59E-02	-3.16E-13	1.43E-15	1.52E-05	7.70E-03

P= 0.001 T= 17000. NTOT=4.32E 14 DEBYE=5.73E-05 LAMBDA=2.33E 03 LNLMBD= 7.75
N1=2.46524E 14 N2=3.56842E 10 N3=1.23827E 14 N4=6.13467E 13 N5=1.17153E 09

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.63E 01	0.00E-01	2.29E-07	0.00E-01	8.59E 00	0.00E-01
500.	-2.56E 00	1.88E 00	6.80E 00	-1.05E-08	1.71E-08	7.79E-01	1.81E 00
1000.	-5.12E 00	6.26E-01	3.71E 00	-5.61E-09	4.21E-09	3.02E-01	1.10E 00
2500.	-1.28E 01	1.18E-01	1.56E 00	-1.26E-09	3.71E-10	5.96E-02	4.86E-01
5000.	-2.56E 01	3.05E-02	7.87E-01	-3.35E-10	4.90E-11	1.54E-02	2.48E-01
7500.	-3.84E 01	1.36E-02	5.26E-01	-1.50E-10	1.47E-11	6.91E-03	1.66E-01
10000.	-5.12E 01	7.69E-03	3.95E-01	-8.50E-11	6.22E-12	3.90E-03	1.24E-01
25000.	-1.28E 02	1.23E-03	1.58E-01	-1.37E-11	4.00E-13	6.25E-04	4.98E-02
50000.	-2.56E 02	3.08E-04	7.90E-02	-3.42E-12	5.00E-14	1.56E-04	2.49E-02
100000.	-5.12E 02	7.71E-05	3.95E-02	-8.54E-13	6.25E-15	3.91E-05	1.25E-02
150000.	-7.68E 02	3.43E-05	2.63E-02	-3.80E-13	1.85E-15	1.74E-05	8.31E-03

P= 0.001 T= 18000. NTOT=4.08E 14 DEBYE=5.84E-05 LAMBDA=2.52E 03 LNLMBD= 7.83
N1=2.51131E 14 N2=1.17538E 10 N3=6.20937E 13 N4=9.45044E 13 N5=9.33224E 09

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.51E 01	0.00E-01	2.46E-07	0.00E-01	9.26E 00	0.00E-01
500.	-2.36E 00	1.98E 00	6.82E 00	-1.12E-08	1.96E-08	8.35E-01	1.92E 00
1000.	-4.73E 00	6.73E-01	3.75E 00	-6.28E-09	5.01E-09	3.33E-01	1.17E 00
2500.	-1.18E 01	1.30E-01	1.59E 00	-1.46E-09	4.55E-10	6.69E-02	5.23E-01
5000.	-2.36E 01	3.36E-02	8.02E-01	-3.90E-10	6.05E-11	1.74E-02	2.67E-01
7500.	-3.54E 01	1.51E-02	5.36E-01	-1.76E-10	1.82E-11	7.79E-03	1.79E-01
10000.	-4.73E 01	8.49E-03	4.02E-01	-9.92E-11	7.69E-12	4.39E-03	1.34E-01
25000.	-1.18E 02	1.36E-03	1.61E-01	-1.59E-11	4.94E-13	7.05E-04	5.38E-02
50000.	-2.36E 02	3.41E-04	8.05E-02	-3.99E-12	6.18E-14	1.76E-04	2.69E-02
100000.	-4.73E 02	8.51E-05	4.02E-02	-9.97E-13	7.73E-15	4.41E-05	1.34E-02
150000.	-7.09E 02	3.78E-05	2.68E-02	-4.43E-13	2.29E-15	1.96E-05	8.96E-03

P= 0.001 T= 19000. NTOT=3.86E 14 DEBYE=6.03E-05 LAMBDA=2.74E 03 LNLMBD= 7.92
N1=2.48831E 14 N2=3.52543E 09 N3=2.61279E 13 N4=1.11277E 14 N5=4.93428E 10

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.55E 01	0.00E-01	2.69E-07	0.00E-01	1.02E 01	0.00E-01
500.	-2.38E 00	1.95E 00	6.76E 00	-1.19E-08	2.04E-08	8.65E-01	2.02E 00
1000.	-4.76E 00	6.64E-01	3.72E 00	-6.61E-09	5.18E-09	3.43E-01	1.23E 00
2500.	-1.19E 01	1.28E-01	1.57E 00	-1.52E-09	4.66E-10	6.84E-02	5.48E-01
5000.	-2.38E 01	3.31E-02	7.94E-01	-4.05E-10	6.19E-11	1.78E-02	2.79E-01
7500.	-3.57E 01	1.48E-02	5.31E-01	-1.82E-10	1.85E-11	7.95E-03	1.87E-01
10000.	-4.76E 01	8.35E-03	3.98E-01	-1.03E-10	7.86E-12	4.48E-03	1.40E-01
25000.	-1.19E 02	1.34E-03	1.59E-01	-1.66E-11	5.05E-13	7.20E-04	5.62E-02
50000.	-2.38E 02	3.35E-04	7.97E-02	-4.14E-12	6.32E-14	1.80E-04	2.81E-02
100000.	-4.76E 02	8.38E-05	3.99E-02	-1.04E-12	7.90E-15	4.50E-05	1.41E-02
150000.	-7.14E 02	3.72E-05	2.66E-02	-4.60E-13	2.34E-15	2.00E-05	9.37E-03

P= 0.001 T= 20000. NTOT=3.67E 14 DEBYE=6.28E-05 LAMBDA=3.01E 03 LNLMBD= 8.01
N1=2.41202E 14 N2=1.06655E 09 N3=1.05428E 13 N4=1.15026E 14 N5=2.02736E 11

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.70E 01	0.00E-01	2.98E-07	0.00E-01	1.13E 01	0.00E-01
500.	-2.54E 00	1.83E 00	6.62E 00	-1.27E-08	2.00E-08	8.70E-01	2.11E 00
1000.	-5.08E 00	6.16E-01	3.62E 00	-6.64E-09	4.84E-09	3.36E-01	1.27E 00
2500.	-1.27E 01	1.17E-01	1.53E 00	-1.47E-09	4.21E-10	6.54E-02	5.61E-01
5000.	-2.54E 01	3.01E-02	7.70E-01	-3.89E-10	5.55E-11	1.69E-02	2.85E-01
7500.	-3.81E 01	1.35E-02	5.14E-01	-1.75E-10	1.66E-11	7.56E-03	1.91E-01
10000.	-5.08E 01	7.59E-03	3.86E-01	-9.88E-11	7.04E-12	4.26E-03	1.43E-01
25000.	-1.27E 02	1.22E-03	1.55E-01	-1.59E-11	4.52E-13	6.84E-04	5.74E-02
50000.	-2.54E 02	3.04E-04	7.73E-02	-3.97E-12	5.65E-14	1.71E-04	2.87E-02
100000.	-5.08E 02	7.61E-05	3.86E-02	-9.92E-13	7.07E-15	4.28E-05	1.43E-02
150000.	-7.62E 02	3.38E-05	2.58E-02	-4.41E-13	2.09E-15	1.90E-05	9.57E-03

P= 0.001 T= 21000. NTOT=3.49E 14 DEBYE=6.57E-05 LAMBDA=3.30E 03 LNLMBD= 8.10
N1=2.31752E 14 N2=3.46178E 08 N3=4.44520E 12 N4=1.12599E 14 N5=7.03285E 11

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.88E 01	0.00E-01	3.30E-07	0.00E-01	1.25E 01	0.00E-01
500.	-2.76E 00	1.68E 00	6.45E 00	-1.33E-08	1.90E-08	8.62E-01	2.19E 00
1000.	-5.52E 00	5.59E-01	3.51E 00	-6.52E-09	4.35E-09	3.21E-01	1.30E 00
2500.	-1.38E 01	1.04E-01	1.47E 00	-1.39E-09	3.64E-10	6.10E-02	5.68E-01
5000.	-2.76E 01	2.67E-02	7.40E-01	-3.63E-10	4.76E-11	1.57E-02	2.88E-01
7500.	-4.14E 01	1.19E-02	4.94E-01	-1.63E-10	1.42E-11	7.01E-03	1.93E-01
10000.	-5.52E 01	6.71E-03	3.71E-01	-9.19E-11	6.02E-12	3.95E-03	1.45E-01
25000.	-1.38E 02	1.08E-03	1.49E-01	-1.48E-11	3.86E-13	6.33E-04	5.79E-02
50000.	-2.76E 02	2.69E-04	7.43E-02	-3.69E-12	4.83E-14	1.58E-04	2.89E-02
100000.	-5.52E 02	6.73E-05	3.71E-02	-9.23E-13	6.04E-15	3.96E-05	1.45E-02
150000.	-8.28E 02	2.99E-05	2.48E-02	-4.10E-13	1.79E-15	1.76E-05	9.65E-03

P= 0.001 T= 22000. NTOT=3.34E 14 DEBYE=6.86E-05 LAMBDA=3.61E 03 LNLMBD= 8.19
N1=2.22442E 14 N2=1.21729E 08 N3=2.03142E 12 N4=1.07010E 14 N5=2.13030E 12

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.07E 01	0.00E-01	3.64E-07	0.00E-01	1.38E 01	0.00E-01
500.	-3.00E 00	1.54E 00	6.26E 00	-1.38E-08	1.78E-08	8.48E-01	2.26E 00
1000.	-5.99E 00	5.05E-01	3.39E 00	-6.33E-09	3.88E-09	3.05E-01	1.33E 00
2500.	-1.50E 01	9.22E-02	1.41E 00	-1.30E-09	3.13E-10	5.66E-02	5.73E-01
5000.	-3.00E 01	2.36E-02	7.11E-01	-3.37E-10	4.07E-11	1.45E-02	2.90E-01
7500.	-4.50E 01	1.05E-02	4.75E-01	-1.51E-10	1.21E-11	6.47E-03	1.94E-01
10000.	-5.99E 01	5.93E-03	3.56E-01	-8.52E-11	5.13E-12	3.65E-03	1.45E-01
25000.	-1.50E 02	9.51E-04	1.43E-01	-1.37E-11	3.29E-13	5.85E-04	5.82E-02
50000.	-3.00E 02	2.38E-04	7.13E-02	-3.42E-12	4.12E-14	1.46E-04	2.91E-02
100000.	-5.99E 02	5.95E-05	3.56E-02	-8.55E-13	5.15E-15	3.66E-05	1.46E-02
150000.	-8.99E 02	2.64E-05	2.38E-02	-3.80E-13	1.53E-15	1.62E-05	9.70E-03

P= 0.001 T= 23000. NTOT=3.19E 14 DEBYE=7.15E-05 LAMBDA=3.94E 03 LNLMBD= 8.28
N1=2.14286E 14 N2=4.55054E 07 N3=1.01085E 12 N4=9.81593E 13 N5=5.65214E 12

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.22E 01	0.00E-01	3.98E-07	0.00E-01	1.50E 01	0.00E-01
500.	-3.21E 00	1.43E 00	6.09E 00	-1.42E-08	1.69E-08	8.35E-01	2.33E 00
1000.	-6.42E 00	4.62E-01	3.28E 00	-6.18E-09	3.52E-09	2.92E-01	1.35E 00
2500.	-1.60E 01	8.33E-02	1.36E 00	-1.23E-09	2.77E-10	5.33E-02	5.78E-01
5000.	-3.21E 01	2.13E-02	6.85E-01	-3.18E-10	3.58E-11	1.36E-02	2.92E-01
7500.	-4.81E 01	9.49E-03	4.57E-01	-1.42E-10	1.07E-11	6.07E-03	1.95E-01
10000.	-6.42E 01	5.34E-03	3.43E-01	-8.03E-11	4.51E-12	3.42E-03	1.46E-01
25000.	-1.60E 02	8.56E-04	1.37E-01	-1.29E-11	2.89E-13	5.48E-04	5.86E-02
50000.	-3.21E 02	2.14E-04	6.87E-02	-3.22E-12	3.62E-14	1.37E-04	2.93E-02
100000.	-6.42E 02	5.35E-05	3.43E-02	-8.06E-13	4.52E-15	3.42E-05	1.47E-02
150000.	-9.62E 02	2.38E-05	2.29E-02	-3.58E-13	1.34E-15	1.52E-05	9.77E-03

P= 0.001 T= 24000. NTOT=3.06E 14 DEBYE=7.41E-05 LAMBDA=4.26E 03 LNLMBD= 8.36
N1=2.07983E 14 N2=1.74200E 07 N3=5.32935E 11 N4=8.44380E 13 N5=1.28576E 13

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.30E 01	0.00E-01	4.29E-07	0.00E-01	1.62E 01	0.00E-01
500.	-3.34E 00	1.36E 00	5.94E 00	-1.45E-08	1.65E-08	8.31E-01	2.39E 00
1000.	-6.68E 00	4.35E-01	3.20E 00	-6.13E-09	3.33E-09	2.85E-01	1.38E 00
2500.	-1.67E 01	7.78E-02	1.32E 00	-1.20E-09	2.58E-10	5.15E-02	5.86E-01
5000.	-3.34E 01	1.98E-02	6.65E-01	-3.10E-10	3.33E-11	1.31E-02	2.96E-01
7500.	-5.01E 01	8.84E-03	4.44E-01	-1.39E-10	9.91E-12	5.85E-03	1.98E-01
10000.	-6.68E 01	4.98E-03	3.33E-01	-7.81E-11	4.19E-12	3.30E-03	1.48E-01
25000.	-1.67E 02	7.98E-04	1.33E-01	-1.25E-11	2.69E-13	5.28E-04	5.94E-02
50000.	-3.34E 02	1.99E-04	6.66E-02	-3.13E-12	3.36E-14	1.32E-04	2.97E-02
100000.	-6.68E 02	4.99E-05	3.33E-02	-7.83E-13	4.20E-15	3.30E-05	1.48E-02
150000.	-1.00E 03	2.22E-05	2.22E-02	-3.48E-13	1.24E-15	1.47E-05	9.90E-03

P= 0.001 T= 25000. NTOT=2.94E 14 DEBYE=7.64E-05 LAMBDA=4.58E 03 LNLMBD= 8.43
N1=2.03709E 14 N2=6.49261E 06 N3=2.81708E 11 N4=6.53414E 13 N5=2.42454E 13

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.29E 01	0.00E-01	4.54E-07	0.00E-01	1.73E 01	0.00E-01
500.	-3.37E 00	1.33E 00	5.82E 00	-1.50E-08	1.67E-08	8.40E-01	2.45E 00
1000.	-6.73E 00	4.24E-01	3.13E 00	-6.25E-09	3.35E-09	2.86E-01	1.41E 00
2500.	-1.68E 01	7.57E-02	1.30E 00	-1.22E-09	2.58E-10	5.15E-02	5.98E-01
5000.	-3.37E 01	1.93E-02	6.51E-01	-3.14E-10	3.32E-11	1.31E-02	3.02E-01
7500.	-5.05E 01	8.60E-03	4.35E-01	-1.40E-10	9.89E-12	5.85E-03	2.02E-01
10000.	-6.73E 01	4.84E-03	3.26E-01	-7.91E-11	4.18E-12	3.29E-03	1.51E-01
25000.	-1.68E 02	7.76E-04	1.31E-01	-1.27E-11	2.68E-13	5.28E-04	6.06E-02
50000.	-3.37E 02	1.94E-04	6.53E-02	-3.17E-12	3.35E-14	1.32E-04	3.03E-02
100000.	-6.73E 02	4.85E-05	3.26E-02	-7.94E-13	4.19E-15	3.30E-05	1.51E-02
150000.	-1.01E 03	2.16E-05	2.18E-02	-3.53E-13	1.24E-15	1.47E-05	1.01E-02

P= 0.001 T= 26000. NTOT=2.82E 14 DEBYE=7.86E-05 LAMBDA=4.89E 03 LNLMBD= 8.49
N1=2.00584E 14 N2=2.25379E 06 N3=1.42269E 11 N4=4.42547E 13 N5=3.72973E 13

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.25E 01	0.00E-01	4.78E-07	0.00E-01	1.82E 01	0.00E-01
500.	-3.35E 00	1.31E 00	5.73E 00	-1.55E-08	1.72E-08	8.55E-01	2.51E 00
1000.	-6.69E 00	4.20E-01	3.08E 00	-6.45E-09	3.44E-09	2.91E-01	1.44E 00
2500.	-1.67E 01	7.50E-02	1.28E 00	-1.25E-09	2.65E-10	5.24E-02	6.13E-01
5000.	-3.35E 01	1.91E-02	6.41E-01	-3.24E-10	3.41E-11	1.33E-02	3.09E-01
7500.	-5.02E 01	8.52E-03	4.28E-01	-1.45E-10	1.02E-11	5.94E-03	2.07E-01
10000.	-6.69E 01	4.80E-03	3.21E-01	-8.15E-11	4.30E-12	3.35E-03	1.55E-01
25000.	-1.67E 02	7.68E-04	1.29E-01	-1.31E-11	2.76E-13	5.36E-04	6.20E-02
50000.	-3.35E 02	1.92E-04	6.43E-02	-3.27E-12	3.45E-14	1.34E-04	3.10E-02
100000.	-6.69E 02	4.80E-05	3.21E-02	-8.17E-13	4.31E-15	3.35E-05	1.55E-02
150000.	-1.00E 03	2.13E-05	2.14E-02	-3.63E-13	1.28E-15	1.49E-05	1.03E-02

P= 0.010 T= 3000. NTOT=2.45E 16 DEBYE=5.01E-01 LAMBDA=3.59E 06 LNLMBD=15.09
N1=5.70248E 05 N2=2.44650E 16 N3=5.70248E 05 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.96E-06	0.00E-01	-9.12E-15	0.00E-01	9.42E-08	0.00E-01
500.	-1.07E 02	1.70E-10	1.83E-08	4.76E-19	-2.25E-20	3.01E-11	1.02E-09
1000.	-2.14E 02	4.26E-11	9.14E-09	1.19E-19	-2.82E-21	7.54E-12	5.09E-10
2500.	-5.36E 02	6.82E-12	3.65E-09	1.91E-20	-1.81E-22	1.21E-12	2.04E-10
5000.	-1.07E 03	1.71E-12	1.83E-09	4.78E-21	-2.26E-23	3.02E-13	1.02E-10
7500.	-1.61E 03	7.58E-13	1.22E-09	2.12E-21	-6.70E-24	1.34E-13	6.78E-11
10000.	-2.14E 03	4.26E-13	9.14E-10	1.19E-21	-2.83E-24	7.55E-14	5.09E-11
25000.	-5.36E 03	6.82E-14	3.65E-10	1.91E-22	-1.81E-25	1.21E-14	2.04E-11
50000.	-1.07E 04	1.71E-14	1.83E-10	4.78E-23	-2.26E-26	3.02E-15	1.02E-11
100000.	-2.14E 04	4.26E-15	9.14E-11	1.19E-23	-2.83E-27	7.55E-16	5.09E-12
150000.	-3.21E 04	1.89E-15	6.09E-11	5.31E-24	-8.38E-28	3.36E-16	3.39E-12

P= 0.010 T= 4000. NTOT=1.83E 16 DEBYE=1.22E-02 LAMBDA=1.17E 05 LNLMBD=11.67
N1=1.27287E 09 N2=1.83487E 16 N3=1.27287E 09 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.24E-02	0.00E-01	-2.90E-11	0.00E-01	2.33E-04	0.00E-01
500.	-8.30E 01	4.91E-07	4.08E-05	1.77E-15	-1.00E-16	1.09E-07	3.02E-06
1000.	-1.66E 02	1.23E-07	2.04E-05	4.43E-16	-1.26E-17	2.74E-08	1.51E-06
2500.	-4.15E 02	1.97E-08	8.16E-06	7.10E-17	-8.08E-19	4.39E-09	6.06E-07
5000.	-8.30E 02	4.92E-09	4.08E-06	1.77E-17	-1.01E-19	1.10E-09	3.03E-07
7500.	-1.24E 03	2.18E-09	2.72E-06	7.89E-18	-2.99E-20	4.88E-10	2.02E-07
10000.	-1.66E 03	1.23E-09	2.04E-06	4.44E-18	-1.26E-20	2.74E-10	1.51E-07
25000.	-4.15E 03	1.97E-10	8.16E-07	7.10E-19	-8.08E-22	4.39E-11	6.06E-08
50000.	-8.30E 03	4.92E-11	4.08E-07	1.77E-19	-1.01E-22	1.10E-11	3.03E-08
100000.	-1.66E 04	1.23E-11	2.04E-07	4.44E-20	-1.26E-23	2.74E-12	1.51E-08
150000.	-2.49E 04	5.46E-12	1.36E-07	1.97E-20	-3.74E-24	1.22E-12	1.01E-08

P= 0.010 T= 5000. NTOT=1.47E 16 DEBYE=1.34E-03 LAMBDA=1.61E 04 LNLMBD= 9.69
N1=1.31854E 11 N2=1.46787E 16 N3=1.31854E 11 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.59E-01	0.00E-01	-9.98E-10	0.00E-01	1.35E-02	0.00E-01
500.	-6.31E 01	6.68E-05	4.22E-03	2.47E-13	-1.79E-14	1.74E-05	3.91E-04
1000.	-1.26E 02	1.67E-05	2.11E-03	6.20E-14	-2.25E-15	4.38E-06	1.96E-04
2500.	-3.15E 02	2.68E-06	8.45E-04	9.93E-15	-1.45E-16	7.02E-07	7.84E-05
5000.	-6.31E 02	6.70E-07	4.23E-04	2.48E-15	-1.81E-17	1.76E-07	3.92E-05
7500.	-9.46E 02	2.98E-07	2.82E-04	1.10E-15	-5.36E-18	7.81E-08	2.61E-05
10000.	-1.26E 03	1.67E-07	2.11E-04	6.21E-16	-2.26E-18	4.39E-08	1.96E-05
25000.	-3.15E 03	2.68E-08	8.45E-05	9.93E-17	-1.45E-19	7.03E-09	7.84E-06
50000.	-6.31E 03	6.70E-09	4.23E-05	2.48E-17	-1.81E-20	1.76E-09	3.92E-06
100000.	-1.26E 04	1.67E-09	2.11E-05	6.21E-18	-2.26E-21	4.39E-10	1.96E-06
150000.	-1.89E 04	7.44E-10	1.41E-05	2.76E-18	-6.69E-22	1.95E-10	1.31E-06

P= 0.010 T= 6000. NTOT=1.22E 16 DEBYE=3.12E-04 LAMBDA=4.48E 03 LNLMBD= 8.41
N1=2.93540E 12 N2=1.22266E 16 N3=2.93540E 12 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.06E 00	0.00E-01	-4.62E-10	0.00E-01	1.50E-01	0.00E-01
500.	-2.91E 01	3.22E-03	9.39E-02	1.42E-12	-2.82E-13	8.26E-04	1.04E-02
1000.	-5.82E 01	8.07E-04	4.70E-02	3.62E-13	-3.59E-14	2.08E-04	5.23E-03
2500.	-1.46E 02	1.29E-04	1.88E-02	5.84E-14	-2.31E-15	3.33E-05	2.09E-03
5000.	-2.91E 02	3.23E-05	9.41E-03	1.46E-14	-2.89E-16	8.32E-06	1.05E-03
7500.	-4.37E 02	1.44E-05	6.27E-03	6.49E-15	-8.55E-17	3.70E-06	6.98E-04
10000.	-5.82E 02	8.08E-06	4.70E-03	3.65E-15	-3.61E-17	2.08E-06	5.24E-04
25000.	-1.46E 03	1.29E-06	1.88E-03	5.84E-16	-2.31E-18	3.33E-07	2.10E-04
50000.	-2.91E 03	3.23E-07	9.41E-04	1.46E-16	-2.89E-19	8.32E-08	1.05E-04
100000.	-5.82E 03	8.08E-08	4.70E-04	3.65E-17	-3.61E-20	2.08E-08	5.24E-05
150000.	-8.73E 03	3.59E-08	3.14E-04	1.62E-17	-1.07E-20	9.24E-09	3.49E-05

P= 0.010 T= 7000. NTOT=1.05E 16 DEBYE=1.11E-04 LAMBDA=1.86E 03 LNLMBD= 7.53
N1=2.71132E 13 N2=1.04308E 16 N3=2.71132E 13 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	8.75E 00	0.00E-01	1.01E-08	0.00E-01	5.45E-01	0.00E-01
500.	-7.60E 00	1.06E-01	8.46E-01	-2.84E-10	1.52E-10	2.60E-02	1.05E-01
1000.	-1.52E 01	2.80E-02	4.31E-01	-8.34E-11	2.18E-11	6.97E-03	5.54E-02
2500.	-3.80E 01	4.56E-03	1.74E-01	-1.40E-11	1.46E-12	1.14E-03	2.25E-02
5000.	-7.60E 01	1.14E-03	8.69E-02	-3.53E-12	1.84E-13	2.86E-04	1.13E-02
7500.	-1.14E 02	5.08E-04	5.79E-02	-1.57E-12	5.45E-14	1.27E-04	7.52E-03
10000.	-1.52E 02	2.86E-04	4.34E-02	-8.84E-13	2.30E-14	7.16E-05	5.64E-03
25000.	-3.80E 02	4.57E-05	1.74E-02	-1.42E-13	1.47E-15	1.15E-05	2.26E-03
50000.	-7.60E 02	1.14E-05	8.69E-03	-3.54E-14	1.84E-16	2.86E-06	1.13E-03
100000.	-1.52E 03	2.86E-06	4.34E-03	-8.85E-15	2.30E-17	7.16E-07	5.64E-04
150000.	-2.28E 03	1.27E-06	2.90E-03	-3.93E-15	6.81E-18	3.18E-07	3.76E-04

P= 0.010 T= 8000. NTOT=9.17E 15 DEBYE=5.14E-05 LAMBDA=9.84E 02 LNLMBD= 6.89
N1=1.44404E 14 N2=8.88556E 15 N3=1.44404E 14 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.51E 01	0.00E-01	3.06E-08	0.00E-01	1.26E 00	0.00E-01
500.	-2.17E 00	1.30E 00	3.89E 00	-1.97E-09	4.74E-09	2.63E-01	4.43E-01
1000.	-4.33E 00	4.23E-01	2.15E 00	-1.37E-09	1.32E-09	1.04E-01	2.86E-01
2500.	-1.08E 01	8.11E-02	9.11E-01	-3.54E-10	1.31E-10	2.16E-02	1.32E-01
5000.	-2.17E 01	2.11E-02	4.61E-01	-9.65E-11	1.77E-11	5.66E-03	6.80E-02
7500.	-3.25E 01	9.43E-03	3.08E-01	-4.36E-11	5.33E-12	2.54E-03	4.56E-02
10000.	-4.33E 01	5.32E-03	2.31E-01	-2.47E-11	2.26E-12	1.43E-03	3.43E-02
25000.	-1.08E 02	8.54E-04	9.25E-02	-3.98E-12	1.45E-13	2.30E-04	1.37E-02
50000.	-2.17E 02	2.14E-04	4.63E-02	-9.95E-13	1.82E-14	5.76E-05	6.87E-03
100000.	-4.33E 02	5.34E-05	2.31E-02	-2.49E-13	2.28E-15	1.44E-05	3.44E-03
150000.	-6.50E 02	2.37E-05	1.54E-02	-1.11E-13	6.74E-16	6.40E-06	2.29E-03

P= 0.010 T= 9000. NTOT=8.15E 15 DEBYE=2.93E-05 LAMBDA=6.31E 02 LNLMBD= 6.45
N1=4.98987E 14 N2=7.15701E 15 N3=4.98987E 14 N4=2.23410E 06 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.12E 01	0.00E-01	5.58E-08	0.00E-01	2.18E 00	0.00E-01
500.	-8.41E-01	6.81E 00	9.45E 00	3.54E-09	2.35E-08	1.03E 00	1.00E 00
1000.	-1.68E 00	2.54E 00	6.34E 00	-3.03E-09	1.08E-08	4.99E-01	7.84E-01
2500.	-4.21E 00	5.90E-01	2.96E 00	-2.27E-09	2.22E-09	1.57E-01	4.41E-01
5000.	-8.41E 00	1.74E-01	1.56E 00	-8.72E-10	4.12E-10	5.05E-02	2.51E-01
7500.	-1.26E 01	8.11E-02	1.05E 00	-4.28E-10	1.34E-10	2.38E-02	1.73E-01
10000.	-1.68E 01	4.64E-02	7.94E-01	-2.50E-10	5.87E-11	1.37E-02	1.31E-01
25000.	-4.21E 01	7.57E-03	3.19E-01	-4.18E-11	3.91E-12	2.25E-03	5.33E-02
50000.	-8.41E 01	1.90E-03	1.60E-01	-1.05E-11	4.91E-13	5.65E-04	2.67E-02
100000.	-1.68E 02	4.75E-04	7.99E-02	-2.63E-12	6.15E-14	1.41E-04	1.34E-02
150000.	-2.52E 02	2.11E-04	5.33E-02	-1.17E-12	1.82E-14	6.28E-05	8.90E-03

P= 0.010 T= 10000. NTOT=7.34E 15 DEBYE=1.96E-05 LAMBDA=4.70E 02 LNLMBD= 6.15
N1=1.23595E 15 N2=4.86759E 15 N3=1.23595E 15 N4=9.43239E 07 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.70E 01	0.00E-01	8.32E-08	0.00E-01	3.19E 00	0.00E-01
500.	-4.24E-01	1.67E 01	1.26E 01	3.24E-08	4.77E-08	2.35E 00	1.33E 00
1000.	-8.47E-01	8.34E 00	1.18E 01	4.03E-09	3.34E-08	1.40E 00	1.44E 00
2500.	-2.12E 00	2.20E 00	6.62E 00	-4.78E-09	1.08E-08	5.18E-01	9.61E-01
5000.	-4.24E 00	7.24E-01	3.67E 00	-3.19E-09	3.07E-09	2.13E-01	6.08E-01
7500.	-6.36E 00	3.61E-01	2.53E 00	-1.91E-09	1.19E-09	1.13E-01	4.43E-01
10000.	-8.47E 00	2.14E-01	1.93E 00	-1.22E-09	5.67E-10	6.84E-02	3.46E-01
25000.	-2.12E 01	3.68E-02	7.88E-01	-2.27E-10	4.19E-11	1.20E-02	1.45E-01
50000.	-4.24E 01	9.31E-03	3.96E-01	-5.80E-11	5.36E-12	3.05E-03	7.33E-02
100000.	-8.47E 01	2.33E-03	1.98E-01	-1.46E-11	6.74E-13	7.65E-04	3.67E-02
150000.	-1.27E 02	1.04E-03	1.32E-01	-6.49E-12	2.00E-13	3.40E-04	2.45E-02

P= 0.010 T= 11000. NTOT=6.67E 15 DEBYE=1.56E-05 LAMBDA=4.12E 02 LNLMBD= 6.02
N1=2.14179E 15 N2=2.38869E 15 N3=2.14178E 15 N4=2.04593E 09 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.24E 01	0.00E-01	1.13E-07	0.00E-01	4.28E 00	0.00E-01
500.	-2.92E-01	2.47E 01	1.33E 01	6.74E-08	6.20E-08	3.61E 00	1.48E 00
1000.	-5.83E-01	1.51E 01	1.54E 01	2.19E-08	5.81E-08	2.53E 00	1.96E 00
2500.	-1.46E 00	4.65E 00	1.05E 01	-5.22E-09	2.42E-08	1.03E 00	1.56E 00
5000.	-2.92E 00	1.58E 00	6.06E 00	-5.74E-09	8.42E-09	4.59E-01	1.03E 00
7500.	-4.37E 00	8.19E-01	4.25E 00	-4.07E-09	3.77E-09	2.65E-01	7.80E-01
10000.	-5.83E 00	5.01E-01	3.27E 00	-2.85E-09	1.94E-09	1.70E-01	6.24E-01
25000.	-1.46E 01	9.12E-02	1.36E 00	-6.10E-10	1.64E-10	3.25E-02	2.74E-01
50000.	-2.92E 01	2.33E-02	6.85E-01	-1.60E-10	2.14E-11	8.36E-03	1.39E-01
100000.	-5.83E 01	5.87E-03	3.43E-01	-4.06E-11	2.71E-12	2.11E-03	7.00E-02
150000.	-8.75E 01	2.61E-03	2.29E-01	-1.81E-11	8.06E-13	9.37E-04	4.67E-02

P= 0.010 T= 12000. NTOT=6.12E 15 DEBYE=1.47E-05 LAMBDA=4.21E 02 LNLMBD= 6.04
N1=2.65494E 15 N2=8.06390E 14 N3=2.65489E 15 N4=2.68395E 10 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.69E 01	0.00E-01	1.42E-07	0.00E-01	5.36E 00	0.00E-01
500.	-2.67E-01	2.92E 01	1.45E 01	9.06E-08	7.59E-08	4.62E 00	1.76E 00
1000.	-5.34E-01	1.86E 01	1.76E 01	3.34E-08	7.58E-08	3.34E 00	2.43E 00
2500.	-1.34E 00	6.00E 00	1.26E 01	-5.64E-09	3.36E-08	1.39E 00	2.03E 00
5000.	-2.67E 00	2.06E 00	7.41E 00	-7.48E-09	1.22E-08	6.31E-01	1.36E 00
7500.	-4.01E 00	1.07E 00	5.22E 00	-5.55E-09	5.65E-09	3.72E-01	1.03E 00
10000.	-5.34E 00	6.62E-01	4.02E 00	-3.98E-09	2.98E-09	2.42E-01	8.29E-01
25000.	-1.34E 01	1.23E-01	1.68E 00	-8.94E-10	2.62E-10	4.75E-02	3.69E-01
50000.	-2.67E 01	3.15E-02	8.48E-01	-2.37E-10	3.46E-11	1.23E-02	1.88E-01
100000.	-5.34E 01	7.94E-03	4.25E-01	-6.01E-11	4.39E-12	3.11E-03	9.46E-02
150000.	-8.01E 01	3.53E-03	2.83E-01	-2.68E-11	1.30E-12	1.38E-03	6.31E-02

P= 0.010 T= 13000. NTOT=5.65E 15 DEBYE=1.51E-05 LAMBDA=4.71E 02 LNLMBD= 6.15
N1=2.70662E 15 N2=2.32759E 14 N3=2.70614E 15 N4=2.39074E 11 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.08E 01	0.00E-01	1.71E-07	0.00E-01	6.43E 00	0.00E-01
500.	-2.88E-01	3.11E 01	1.67E 01	1.01E-07	9.40E-08	5.41E 00	2.24E 00
1000.	-5.77E-01	1.90E 01	1.94E 01	3.27E-08	8.76E-08	3.77E 00	2.96E 00
2500.	-1.44E 00	5.87E 00	1.32E 01	-7.77E-09	3.64E-08	1.52E 00	2.33E 00
5000.	-2.88E 00	2.00E 00	7.64E 00	-8.59E-09	1.28E-08	6.83E-01	1.54E 00
7500.	-4.33E 00	1.04E 00	5.36E 00	-6.12E-09	5.75E-09	3.96E-01	1.16E 00
10000.	-5.77E 00	6.37E-01	4.13E 00	-4.30E-09	2.97E-09	2.55E-01	9.29E-01
25000.	-1.44E 01	1.16E-01	1.72E 00	-9.28E-10	2.53E-10	4.90E-02	4.09E-01
50000.	-2.88E 01	2.98E-02	8.65E-01	-2.44E-10	3.31E-11	1.26E-02	2.08E-01
100000.	-5.77E 01	7.50E-03	4.33E-01	-6.18E-11	4.19E-12	3.18E-03	1.04E-01
150000.	-8.65E 01	3.34E-03	2.89E-01	-2.75E-11	1.25E-12	1.42E-03	6.97E-02

P= 0.010 T= 14000. NTOT=5.24E 15 DEBYE=1.61E-05 LAMBDA=5.38E 02 LNLMBD= 6.29
N1=2.58614E 15 N2=7.17881E 13 N3=2.58300E 15 N4=1.57083E 12 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.45E 01	0.00E-01	2.01E-07	0.00E-01	7.55E 00	0.00E-01
500.	-3.28E-01	3.17E 01	1.93E 01	1.04E-07	1.14E-07	6.07E 00	2.85E 00
1000.	-6.55E-01	1.81E 01	2.08E 01	2.61E-08	9.51E-08	3.97E 00	3.49E 00
2500.	-1.64E 00	5.24E 00	1.31E 01	-1.03E-08	3.59E-08	1.53E 00	2.54E 00
5000.	-3.28E 00	1.77E 00	7.43E 00	-9.23E-09	1.18E-08	6.78E-01	1.65E 00
7500.	-4.91E 00	9.09E-01	5.19E 00	-6.19E-09	5.09E-09	3.83E-01	1.23E 00
10000.	-6.55E 00	5.52E-01	3.98E 00	-4.20E-09	2.55E-09	2.41E-01	9.78E-01
25000.	-1.64E 01	9.86E-02	1.64E 00	-8.57E-10	2.06E-10	4.49E-02	4.23E-01
50000.	-3.28E 01	2.51E-02	8.27E-01	-2.23E-10	2.67E-11	1.15E-02	2.14E-01
100000.	-6.55E 01	6.31E-03	4.14E-01	-5.63E-11	3.37E-12	2.89E-03	1.08E-01
150000.	-9.83E 01	2.81E-03	2.76E-01	-2.51E-11	1.00E-12	1.29E-03	7.18E-02

P= 0.010 T= 15000. NTOT=4.89E 15 DEBYE=1.71E-05 LAMBDA=6.15E 02 LNLMBD= 6.42
N1=2.43771E 15 N2=2.56237E 13 N3=2.42160E 15 N4=8.06034E 12 N5=3.02133E 05

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.84E 01	0.00E-01	2.35E-07	0.00E-01	8.82E 00	0.00E-01
500.	-3.77E-01	3.17E 01	2.21E 01	1.02E-07	1.35E-07	6.66E 00	3.59E 00
1000.	-7.54E-01	1.67E 01	2.18E 01	1.73E-08	9.97E-08	4.07E 00	4.03E 00
2500.	-1.88E 00	4.57E 00	1.28E 01	-1.28E-08	3.43E-08	1.52E 00	2.73E 00
5000.	-3.77E 00	1.53E 00	7.13E 00	-9.56E-09	1.05E-08	6.52E-01	1.74E 00
7500.	-5.65E 00	7.74E-01	4.95E 00	-6.01E-09	4.27E-09	3.57E-01	1.28E 00
10000.	-7.54E 00	4.65E-01	3.78E 00	-3.94E-09	2.08E-09	2.20E-01	1.01E 00
25000.	-1.88E 01	8.13E-02	1.55E 00	-7.63E-10	1.59E-10	3.96E-02	4.29E-01
50000.	-3.77E 01	2.06E-02	7.80E-01	-1.97E-10	2.05E-11	1.01E-02	2.17E-01
100000.	-7.54E 01	5.17E-03	3.90E-01	-4.95E-11	2.58E-12	2.54E-03	1.09E-01
150000.	-1.13E 02	2.30E-03	2.60E-01	-2.20E-11	7.66E-13	1.13E-03	7.25E-02

P= 0.010 T= 16000. NTOT=4.59E 15 DEBYE=1.82E-05 LAMBDA=6.96E 02 LNLMBD= 6.55
N1=2.30491E 15 N2=1.07102E 13 N3=2.23820E 15 N4=3.33551E 13 N5=1.07663E 07

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.14E 01	0.00E-01	2.68E-07	0.00E-01	1.01E 01	0.00E-01
500.	-4.21E-01	3.10E 01	2.41E 01	9.63E-08	1.52E-07	7.12E 00	4.32E 00
1000.	-8.42E-01	1.54E 01	2.22E 01	9.91E-09	1.02E-07	4.10E 00	4.49E 00
2500.	-2.11E 00	4.05E 00	1.23E 01	-1.47E-08	3.29E-08	1.50E 00	2.88E 00
5000.	-4.21E 00	1.34E 00	6.82E 00	-9.70E-09	9.39E-09	6.26E-01	1.81E 00
7500.	-6.32E 00	6.73E-01	4.71E 00	-5.82E-09	3.68E-09	3.34E-01	1.32E 00
10000.	-8.42E 00	4.01E-01	3.60E 00	-3.72E-09	1.75E-09	2.03E-01	1.03E 00
25000.	-2.11E 01	6.90E-02	1.47E 00	-6.96E-10	1.30E-10	3.58E-02	4.34E-01
50000.	-4.21E 01	1.75E-02	7.38E-01	-1.78E-10	1.66E-11	9.09E-03	2.19E-01
100000.	-8.42E 01	4.38E-03	3.69E-01	-4.48E-11	2.09E-12	2.28E-03	1.10E-01
150000.	-1.26E 02	1.95E-03	2.46E-01	-2.00E-11	6.20E-13	1.01E-03	7.31E-02

P= 0.010 T= 17000. NTOT=4.32E 15 DEBYE=1.91E-05 LAMBDA=7.79E 02 LNLMBD= 6.66
N1=2.21166E 15 N2=5.12762E 12 N3=1.98947E 15 N4=1.11093E 14 N5=2.39860E 08

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.29E 01	0.00E-01	3.00E-07	0.00E-01	1.13E 01	0.00E-01
500.	-4.46E-01	3.01E 01	2.50E 01	9.30E-08	1.67E-07	7.51E 00	5.00E 00
1000.	-8.93E-01	1.44E 01	2.21E 01	5.37E-09	1.05E-07	4.14E 00	4.88E 00
2500.	-2.23E 00	3.75E 00	1.20E 01	-1.60E-08	3.26E-08	1.50E 00	3.02E 00
5000.	-4.46E 00	1.24E 00	6.59E 00	-9.94E-09	8.94E-09	6.15E-01	1.88E 00
7500.	-6.70E 00	6.18E-01	4.54E 00	-5.81E-09	3.42E-09	3.23E-01	1.36E 00
10000.	-8.93E 00	3.66E-01	3.46E 00	-3.66E-09	1.61E-09	1.95E-01	1.06E 00
25000.	-2.23E 01	6.26E-02	1.41E 00	-6.73E-10	1.17E-10	3.40E-02	4.43E-01
50000.	-4.46E 01	1.58E-02	7.08E-01	-1.72E-10	1.50E-11	8.60E-03	2.23E-01
100000.	-8.93E 01	3.97E-03	3.54E-01	-4.32E-11	1.88E-12	2.16E-03	1.12E-01
150000.	-1.34E 02	1.76E-03	2.36E-01	-1.92E-11	5.57E-13	9.59E-04	7.45E-02

P= 0.010 T= 18000. NTOT=4.08E 15 DEBYE=1.98E-05 LAMBDA=8.54E 02 LNLMBD= 6.75
N1=2.18032E 15 N2=2.64392E 12 N3=1.60876E 15 N4=2.85772E 14 N5=3.29362E 09

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.19E 01	0.00E-01	3.25E-07	0.00E-01	1.23E 01	0.00E-01
500.	-4.35E-01	2.94E 01	2.44E 01	9.72E-08	1.79E-07	7.90E 00	5.52E 00
1000.	-8.70E-01	1.42E 01	2.16E 01	5.44E-09	1.12E-07	4.26E 00	5.21E 00
2500.	-2.18E 00	3.72E 00	1.17E 01	-1.70E-08	3.48E-08	1.55E 00	3.16E 00
5000.	-4.35E 00	1.24E 00	6.47E 00	-1.06E-08	9.58E-09	6.36E-01	1.97E 00
7500.	-6.53E 00	6.22E-01	4.47E 00	-6.20E-09	3.66E-09	3.34E-01	1.42E 00
10000.	-8.70E 00	3.69E-01	3.41E 00	-3.91E-09	1.72E-09	2.02E-01	1.11E 00
25000.	-2.18E 01	6.33E-02	1.39E 00	-7.19E-10	1.26E-10	3.51E-02	4.63E-01
50000.	-4.35E 01	1.60E-02	6.98E-01	-1.84E-10	1.60E-11	8.89E-03	2.33E-01
100000.	-8.70E 01	4.01E-03	3.49E-01	-4.62E-11	2.02E-12	2.23E-03	1.17E-01
150000.	-1.31E 02	1.78E-03	2.33E-01	-2.05E-11	5.98E-13	9.92E-04	7.78E-02

P= 0.010 T= 19000. NTOT=3.86E 15 DEBYE=2.03E-05 LAMBDA=9.22E 02 LNLMBD= 6.83
N1=2.20368E 15 N2=1.33838E 12 N3=1.11210E 15 N4=5.45745E 14 N5=2.76862E 10

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.96E 01	0.00E-01	3.45E-07	0.00E-01	1.31E 01	0.00E-01
500.	-4.01E-01	2.91E 01	2.31E 01	1.08E-07	1.89E-07	8.34E 00	5.92E 00
1000.	-8.02E-01	1.44E 01	2.10E 01	9.21E-09	1.21E-07	4.46E 00	5.53E 00
2500.	-2.01E 00	3.88E 00	1.16E 01	-1.76E-08	3.92E-08	1.63E 00	3.32E 00
5000.	-4.01E 00	1.32E 00	6.47E 00	-1.16E-08	1.12E-08	6.87E-01	2.07E 00
7500.	-6.02E 00	6.70E-01	4.49E 00	-6.96E-09	4.35E-09	3.65E-01	1.51E 00
10000.	-8.02E 00	4.00E-01	3.43E 00	-4.44E-09	2.07E-09	2.22E-01	1.17E 00
25000.	-2.01E 01	6.92E-02	1.40E 00	-8.28E-10	1.53E-10	3.89E-02	4.93E-01
50000.	-4.01E 01	1.75E-02	7.05E-01	-2.12E-10	1.95E-11	9.86E-03	2.48E-01
100000.	-8.02E 01	4.39E-03	3.53E-01	-5.33E-11	2.46E-12	2.47E-03	1.24E-01
150000.	-1.20E 02	1.95E-03	2.35E-01	-2.37E-11	7.29E-13	1.10E-03	8.30E-02

P= 0.010 T= 20000. NTOT=3.67E 15 DEBYE=2.07E-05 LAMBDA=9.89E 02 LNLMBD= 6.90
N1=2.23055E 15 N2=6.19589E 11 N3=6.46753E 14 N4=7.91670E 14 N5=1.52878E 11

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.83E 01	0.00E-01	3.67E-07	0.00E-01	1.40E 01	0.00E-01
500.	-3.77E-01	2.89E 01	2.23E 01	1.19E-07	2.01E-07	8.82E 00	6.37E 00
1000.	-7.55E-01	1.46E 01	2.06E 01	1.25E-08	1.31E-07	4.68E 00	5.88E 00
2500.	-1.89E 00	4.02E 00	1.16E 01	-1.82E-08	4.34E-08	1.72E 00	3.50E 00
5000.	-3.77E 00	1.39E 00	6.50E 00	-1.26E-08	1.27E-08	7.37E-01	2.19E 00
7500.	-5.66E 00	7.10E-01	4.52E 00	-7.70E-09	5.03E-09	3.96E-01	1.60E 00
10000.	-7.55E 00	4.26E-01	3.46E 00	-4.95E-09	2.40E-09	2.41E-01	1.25E 00
25000.	-1.89E 01	7.43E-02	1.42E 00	-9.35E-10	1.80E-10	4.26E-02	5.25E-01
50000.	-3.77E 01	1.88E-02	7.14E-01	-2.40E-10	2.30E-11	1.08E-02	2.65E-01
100000.	-7.55E 01	4.73E-03	3.57E-01	-6.03E-11	2.90E-12	2.72E-03	1.33E-01
150000.	-1.13E 02	2.10E-03	2.38E-01	-2.68E-11	8.59E-13	1.21E-03	8.84E-02

P= 0.010 T= 21000. NTOT=3.49E 15 DEBYE=2.12E-05 LAMBDA=1.07E 03 LNLMBD= 6.97
N1=2.21941E 15 N2=2.62499E 11 N3=3.31862E 14 N4=9.42840E 14 N5=6.22813E 11

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.85E 01	0.00E-01	3.97E-07	0.00E-01	1.52E 01	0.00E-01
500.	-3.76E-01	2.87E 01	2.24E 01	1.23E-07	2.15E-07	9.26E 00	6.97E 00
1000.	-7.52E-01	1.45E 01	2.05E 01	1.20E-08	1.38E-07	4.82E 00	6.26E 00
2500.	-1.88E 00	3.98E 00	1.15E 01	-1.93E-08	4.56E-08	1.78E 00	3.67E 00
5000.	-3.76E 00	1.39E 00	6.46E 00	-1.33E-08	1.33E-08	7.63E-01	2.30E 00
7500.	-5.64E 00	7.09E-01	4.49E 00	-8.11E-09	5.27E-09	4.09E-01	1.67E 00
10000.	-7.52E 00	4.26E-01	3.44E 00	-5.21E-09	2.51E-09	2.49E-01	1.30E 00
25000.	-1.88E 01	7.43E-02	1.41E 00	-9.82E-10	1.88E-10	4.40E-02	5.49E-01
50000.	-3.76E 01	1.88E-02	7.10E-01	-2.52E-10	2.40E-11	1.12E-02	2.76E-01
100000.	-7.52E 01	4.73E-03	3.55E-01	-6.33E-11	3.02E-12	2.80E-03	1.39E-01
150000.	-1.13E 02	2.10E-03	2.37E-01	-2.82E-11	8.97E-13	1.25E-03	9.24E-02

P= 0.010 T= 22000. NTOT=3.34E 15 DEBYE=2.20E-05 LAMBDA=1.16E 03 LNLMBD= 7.05
N1=2.17073E 15 N2=1.07190E 11 N3=1.61935E 14 N4=1.00130E 15 N5=2.06746E 12

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.98E 01	0.00E-01	4.33E-07	0.00E-01	1.66E 01	0.00E-01
500.	-3.91E-01	2.83E 01	2.31E 01	1.20E-07	2.30E-07	9.61E 00	7.67E 00
1000.	-7.82E-01	1.40E 01	2.06E 01	8.44E-09	1.42E-07	4.88E 00	6.63E 00
2500.	-1.96E 00	3.81E 00	1.14E 01	-2.08E-08	4.60E-08	1.81E 00	3.83E 00
5000.	-3.91E 00	1.32E 00	6.35E 00	-1.37E-08	1.31E-08	7.65E-01	2.38E 00
7500.	-5.87E 00	6.73E-01	4.41E 00	-8.19E-09	5.08E-09	4.05E-01	1.73E 00
10000.	-7.82E 00	4.03E-01	3.37E 00	-5.22E-09	2.41E-09	2.46E-01	1.34E 00
25000.	-1.96E 01	6.99E-02	1.38E 00	-9.70E-10	1.77E-10	4.30E-02	5.63E-01
50000.	-3.91E 01	1.77E-02	6.95E-01	-2.48E-10	2.27E-11	1.09E-02	2.83E-01
100000.	-7.82E 01	4.44E-03	3.48E-01	-6.24E-11	2.85E-12	2.73E-03	1.42E-01
150000.	-1.17E 02	1.97E-03	2.32E-01	-2.78E-11	8.46E-13	1.22E-03	9.47E-02

P= 0.010 T= 23000. NTOT=3.19E 15 DEBYE=2.28E-05 LAMBDA=1.26E 03 LNLMBD= 7.14
N1=2.10276E 15 N2=4.42726E 10 N3=7.97436E 13 N4=1.00258E 15 N5=5.95041E 12

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.20E 01	0.00E-01	4.76E-07	0.00E-01	1.82E 01	0.00E-01
500.	-4.21E-01	2.78E 01	2.42E 01	1.12E-07	2.45E-07	9.88E 00	8.44E 00
1000.	-8.41E-01	1.33E 01	2.08E 01	2.35E-09	1.44E-07	4.90E 00	6.99E 00
2500.	-2.10E 00	3.56E 00	1.12E 01	-2.25E-08	4.48E-08	1.81E 00	3.98E 00
5000.	-4.21E 00	1.23E 00	6.20E 00	-1.38E-08	1.21E-08	7.47E-01	2.46E 00
7500.	-6.31E 00	6.18E-01	4.29E 00	-8.01E-09	4.60E-09	3.89E-01	1.77E 00
10000.	-8.41E 00	3.67E-01	3.28E 00	-5.03E-09	2.15E-09	2.34E-01	1.37E 00
25000.	-2.10E 01	6.31E-02	1.34E 00	-9.18E-10	1.56E-10	4.05E-02	5.71E-01
50000.	-4.21E 01	1.60E-02	6.73E-01	-2.34E-10	1.99E-11	1.02E-02	2.87E-01
100000.	-8.41E 01	4.00E-03	3.37E-01	-5.88E-11	2.50E-12	2.57E-03	1.44E-01
150000.	-1.26E 02	1.78E-03	2.25E-01	-2.62E-11	7.40E-13	1.14E-03	9.59E-02

P= 0.010 T= 24000. NTOT=3.06E 15 DEBYE=2.37E-05 LAMBDA=1.36E 03 LNLMBD= 7.22
N1=2.03020E 15 N2=1.89184E 10 N3=4.09249E 13 N4=9.71654E 14 N5=1.53230E 13

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.40E 01	0.00E-01	5.19E-07	0.00E-01	1.98E 01	0.00E-01
500.	-4.50E-01	2.71E 01	2.52E 01	1.03E-07	2.57E-07	1.00E 01	9.20E 00
1000.	-9.01E-01	1.25E 01	2.08E 01	-3.33E-09	1.45E-07	4.88E 00	7.31E 00
2500.	-2.25E 00	3.31E 00	1.09E 01	-2.39E-08	4.34E-08	1.80E 00	4.11E 00
5000.	-4.50E 00	1.13E 00	6.03E 00	-1.38E-08	1.12E-08	7.25E-01	2.51E 00
7500.	-6.76E 00	5.65E-01	4.17E 00	-7.79E-09	4.16E-09	3.72E-01	1.80E 00
10000.	-9.01E 00	3.34E-01	3.17E 00	-4.83E-09	1.93E-09	2.22E-01	1.39E 00
25000.	-2.25E 01	5.70E-02	1.30E 00	-8.68E-10	1.37E-10	3.80E-02	5.75E-01
50000.	-4.50E 01	1.44E-02	6.50E-01	-2.21E-10	1.75E-11	9.61E-03	2.89E-01
100000.	-9.01E 01	3.61E-03	3.25E-01	-5.54E-11	2.19E-12	2.41E-03	1.45E-01
150000.	-1.35E 02	1.60E-03	2.17E-01	-2.47E-11	6.50E-13	1.07E-03	9.66E-02

P= 0.010 T= 25000. NTOT=2.94E 15 DEBYE=2.46E-05 LAMBDA=1.47E 03 LNLMBD= 7.30
N1=1.96171E 15 N2=8.37591E 09 N3=2.21236E 13 N4=9.16262E 14 N5=3.56879E 13

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.59E 01	0.00E-01	5.64E-07	0.00E-01	2.16E 01	0.00E-01
500.	-4.80E-01	2.64E 01	2.59E 01	9.38E-08	2.67E-07	1.01E 01	9.92E 00
1000.	-9.60E-01	1.18E 01	2.07E 01	-8.51E-09	1.45E-07	4.85E 00	7.59E 00
2500.	-2.40E 00	3.10E 00	1.07E 01	-2.52E-08	4.20E-08	1.79E 00	4.23E 00
5000.	-4.80E 00	1.05E 00	5.87E 00	-1.37E-08	1.04E-08	7.02E-01	2.57E 00
7500.	-7.20E 00	5.19E-01	4.04E 00	-7.57E-09	3.79E-09	3.56E-01	1.82E 00
10000.	-9.60E 00	3.06E-01	3.08E 00	-4.64E-09	1.73E-09	2.11E-01	1.40E 00
25000.	-2.40E 01	5.18E-02	1.25E 00	-8.23E-10	1.22E-10	3.59E-02	5.80E-01
50000.	-4.80E 01	1.31E-02	6.28E-01	-2.09E-10	1.55E-11	9.05E-03	2.91E-01
100000.	-9.60E 01	3.27E-03	3.14E-01	-5.25E-11	1.95E-12	2.27E-03	1.46E-01
150000.	-1.44E 02	1.46E-03	2.10E-01	-2.33E-11	5.77E-13	1.01E-03	9.72E-02

P= 0.010 T= 26000. NTOT=2.82E 15 DEBYE=2.55E-05 LAMBDA=1.59E 03 LNLMBD= 7.37
N1=1.90270E 15 N2=3.79409E 09 N3=1.25141E 13 N4=8.32809E 14 N5=7.48531E 13

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.73E 01	0.00E-01	6.06E-07	0.00E-01	2.32E 01	0.00E-01
500.	-5.03E-01	2.56E 01	2.64E 01	8.60E-08	2.76E-07	1.02E 01	1.06E 01
1000.	-1.01E 00	1.12E 01	2.05E 01	-1.26E-08	1.46E-07	4.83E 00	7.85E 00
2500.	-2.52E 00	2.93E 00	1.04E 01	-2.62E-08	4.10E-08	1.79E 00	4.34E 00
5000.	-5.03E 00	9.85E-01	5.72E 00	-1.36E-08	9.86E-09	6.86E-01	2.61E 00
7500.	-7.55E 00	4.85E-01	3.93E 00	-7.42E-09	3.53E-09	3.44E-01	1.85E 00
10000.	-1.01E 01	2.84E-01	2.99E 00	-4.52E-09	1.60E-09	2.03E-01	1.42E 00
25000.	-2.52E 01	4.79E-02	1.22E 00	-7.94E-10	1.12E-10	3.43E-02	5.85E-01
50000.	-5.03E 01	1.21E-02	6.09E-01	-2.01E-10	1.42E-11	8.66E-03	2.94E-01
100000.	-1.01E 02	3.03E-03	3.05E-01	-5.05E-11	1.78E-12	2.17E-03	1.47E-01
150000.	-1.51E 02	1.35E-03	2.03E-01	-2.25E-11	5.28E-13	9.64E-04	9.81E-02

P= 0.100 T= 3000. NTOT=2.45E 17 DEBYE=2.81E-01 LAMBDA=2.02E 06 LNLMBD=14.52
N1=1.80331E C6 N2=2.44650E 17 N3=1.80331E 06 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.89E-06	0.00E-01	-2.88E-15	0.00E-01	2.98E-08	0.00E-01
500.	-1.07E 01	4.98E-09	5.67E-08	1.24E-17	-5.21E-18	7.42E-10	2.88E-09
1000.	-2.14E 01	1.32E-09	2.87E-08	3.54E-18	-8.13E-19	2.21E-10	1.55E-09
2500.	-5.36E 01	2.15E-10	1.15E-08	5.98E-19	-5.63E-20	3.77E-11	6.40E-10
5000.	-1.07E 02	5.39E-11	5.78E-09	1.51E-19	-7.12E-21	9.52E-12	3.21E-10
7500.	-1.61E 02	2.40E-11	3.85E-09	6.71E-20	-2.12E-21	4.24E-12	2.14E-10
10000.	-2.14E 02	1.35E-11	2.89E-09	3.77E-20	-8.93E-22	2.39E-12	1.61E-10
25000.	-5.36E 02	2.16E-12	1.16E-09	6.04E-21	-5.72E-23	3.82E-13	6.44E-11
50000.	-1.07E 03	5.39E-13	5.78E-10	1.51E-21	-7.15E-24	9.55E-14	3.22E-11
100000.	-2.14E 03	1.35E-13	2.89E-10	3.78E-22	-8.94E-25	2.39E-14	1.61E-11
150000.	-3.21E 03	5.99E-14	1.93E-10	1.68E-22	-2.65E-25	1.06E-14	1.07E-11

P= 0.100 T= 4000. NTOT=1.83E 17 DEBYE=6.88E-03 LAMBDA=6.59E 04 LNLMBD=11.10
N1=4.02520E 09 N2=1.83487E 17 N3=4.02520E 09 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.99E-03	0.00E-01	-9.48E-12	0.00E-01	7.71E-05	0.00E-01
500.	-8.31E 00	1.40E-05	1.25E-04	4.30E-14	-2.10E-14	2.48E-06	8.25E-06
1000.	-1.66E 01	3.75E-06	6.40E-05	1.28E-14	-3.49E-15	7.72E-07	4.55E-06
2500.	-4.16E 01	6.17E-07	2.58E-05	2.21E-15	-2.49E-16	1.36E-07	1.90E-06
5000.	-8.31E 01	1.55E-07	1.29E-05	5.60E-16	-3.17E-17	3.45E-08	9.56E-07
7500.	-1.25E 02	6.89E-08	8.60E-06	2.49E-16	-9.43E-18	1.54E-08	6.38E-07
10000.	-1.66E 02	3.88E-08	6.45E-06	1.40E-16	-3.98E-18	8.66E-09	4.79E-07
25000.	-4.16E 02	6.21E-09	2.58E-06	2.25E-17	-2.55E-19	1.39E-09	1.92E-07
50000.	-8.31E 02	1.55E-09	1.29E-06	5.62E-18	-3.19E-20	3.47E-10	9.58E-08
100000.	-1.66E 03	3.88E-10	6.45E-07	1.40E-18	-3.99E-21	8.67E-11	4.79E-08
150000.	-2.49E 03	1.72E-10	4.30E-07	6.24E-19	-1.18E-21	3.85E-11	3.19E-08

P= 0.100 T= 5000. NTOT=1.47E 17 DEBYE=7.56E-04 LAMBDA=9.04E 03 LNLMBD= 9.11
N1=4.17016E 11 N2=1.46789E 17 N3=4.17016E 11 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.59E-01	0.00E-01	-6.23E-10	0.00E-01	5.36E-03	0.00E-01
500.	-6.74E 00	1.74E-03	1.29E-02	5.90E-12	-3.40E-12	3.57E-04	1.03E-03
1000.	-1.35E 01	4.75E-04	6.61E-03	1.84E-12	-5.93E-13	1.15E-04	5.80E-04
2500.	-3.37E 01	7.87E-05	2.67E-03	3.26E-13	-4.38E-14	2.07E-05	2.45E-04
5000.	-6.74E 01	1.98E-05	1.34E-03	8.28E-14	-5.60E-15	5.29E-06	1.24E-04
7500.	-1.01E 02	8.80E-06	8.91E-04	3.69E-14	-1.67E-15	2.36E-06	8.26E-05
10000.	-1.35E 02	4.95E-06	6.68E-04	2.08E-14	-7.05E-16	1.33E-06	6.20E-05
25000.	-3.37E 02	7.93E-07	2.67E-04	3.33E-15	-4.52E-17	2.13E-07	2.48E-05
50000.	-6.74E 02	1.98E-07	1.34E-04	8.32E-16	-5.65E-18	5.32E-08	1.24E-05
100000.	-1.35E 03	4.95E-08	6.68E-05	2.08E-16	-7.06E-19	1.33E-08	6.20E-06
150000.	-2.02E 03	2.20E-08	4.45E-05	9.25E-17	-2.09E-19	5.92E-09	4.13E-06

P= 0.100 T= 6000. NTOT=1.22E 17 DEBYE=1.75E-04 LAMBDA=2.52E 03 LNLMBD= 7.83
N1=9.28707E 12 N2=1.22306E 17 N3=9.28707E 12 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.76E 00	0.00E-01	-2.05E-09	0.00E-01	7.27E-02	0.00E-01
500.	-4.59E 00	5.70E-02	2.82E-01	1.08E-10	-1.01E-10	1.23E-02	2.54E-02
1000.	-9.19E 00	1.55E-02	1.46E-01	3.98E-11	-1.92E-11	4.04E-03	1.51E-02
2500.	-2.30E 01	2.57E-03	5.93E-02	7.55E-12	-1.48E-12	7.32E-04	6.52E-03
5000.	-4.59E 01	6.46E-04	2.97E-02	1.94E-12	-1.91E-13	1.87E-04	3.30E-03
7500.	-6.89E 01	2.88E-04	1.98E-02	8.68E-13	-5.70E-14	8.35E-05	2.21E-03
10000.	-9.19E 01	1.62E-04	1.49E-02	4.89E-13	-2.41E-14	4.70E-05	1.66E-03
25000.	-2.30E 02	2.59E-05	5.95E-03	7.84E-14	-1.54E-15	7.54E-06	6.63E-04
50000.	-4.59E 02	6.48E-06	2.98E-03	1.96E-14	-1.93E-16	1.88E-06	3.31E-04
100000.	-9.19E 02	1.62E-06	1.49E-03	4.90E-15	-2.41E-17	4.71E-07	1.66E-04
150000.	-1.38E 03	7.20E-07	9.92E-04	2.18E-15	-7.15E-18	2.09E-07	1.10E-04

P= 0.100 T= 7000. NTOT=1.05E 17 DEBYE=6.23E-05 LAMBDA=1.04E 03 LNLMBD= 6.95
N1=8.58419E 13 N2=1.04678E 17 N3=8.58419E 13 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	6.01E 00	0.00E-01	1.92E-09	0.00E-01	3.25E-01	0.00E-01
500.	-1.96E 00	1.02E 00	2.22E 00	-1.71E-10	5.54E-10	1.78E-01	1.62E-01
1000.	-3.92E 00	3.10E-01	1.28E 00	-1.51E-10	1.39E-10	7.54E-02	1.37E-01
2500.	-9.81E 00	5.46E-02	5.43E-01	-3.60E-11	1.20E-11	1.50E-02	6.82E-02
5000.	-1.96E 01	1.39E-02	2.74E-01	-9.60E-12	1.57E-12	3.88E-03	3.53E-02
7500.	-2.94E 01	6.21E-03	1.83E-01	-4.32E-12	4.71E-13	1.74E-03	2.37E-02
10000.	-3.92E 01	3.50E-03	1.37E-01	-2.44E-12	1.99E-13	9.78E-04	1.78E-02
25000.	-9.81E 01	5.61E-04	5.50E-02	-3.92E-13	1.28E-14	1.57E-04	7.15E-03
50000.	-1.96E 02	1.40E-04	2.75E-02	-9.81E-14	1.60E-15	3.92E-05	3.57E-03
100000.	-3.92E 02	3.50E-05	1.38E-02	-2.45E-14	2.00E-16	9.81E-06	1.79E-03
150000.	-5.89E 02	1.56E-05	9.17E-03	-1.09E-14	5.93E-17	4.36E-06	1.19E-03

P= 0.100 T= 8000. NTOT=9.17E 16 DEBYE=2.89E-05 LAMBDA=5.52E 02 LNLMBD= 6.31
N1=4.57717E 14 N2=9.08282E 16 N3=4.57717E 14 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.31E 01	0.00E-01	1.74E-08	0.00E-01	9.19E-01	0.00E-01
500.	-6.85E-01	6.82E 00	6.46E 00	5.91E-09	1.01E-08	7.50E-01	3.45E-01
1000.	-1.37E 00	2.92E 00	5.28E 00	1.68E-11	6.71E-09	4.98E-01	4.39E-01
2500.	-3.42E 00	6.74E-01	2.67E 00	-1.27E-09	1.68E-09	1.69E-01	3.34E-01
5000.	-6.85E 00	1.97E-01	1.42E 00	-5.73E-10	3.37E-10	5.40E-02	2.00E-01
7500.	-1.03E 01	9.13E-02	9.63E-01	-2.92E-10	1.12E-10	2.55E-02	1.40E-01
10000.	-1.37E 01	5.23E-02	7.27E-01	-1.73E-10	4.95E-11	1.47E-02	1.06E-01
25000.	-3.42E 01	8.53E-03	2.93E-01	-2.93E-11	3.33E-12	2.41E-03	4.34E-02
50000.	-6.85E 01	2.14E-03	1.47E-01	-7.40E-12	4.19E-13	6.05E-04	2.18E-02
100000.	-1.37E 02	5.35E-04	7.33E-02	-1.85E-12	5.25E-14	1.51E-04	1.09E-02
150000.	-2.05E 02	2.38E-04	4.89E-02	-8.24E-13	1.56E-14	6.72E-05	7.26E-03

P= 0.100 T= 9000. NTOT=8.15E 16 DEBYE=1.59E-05 LAMBDA=3.43E 02 LNLMBD= 5.84
N1=1.69036E 15 N2=7.81692E 16 N3=1.69036E 15 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.10E 01	0.00E-01	4.45E-08	0.00E-01	1.93E 00	0.00E-01
500.	-2.69E-01	1.77E 01	7.57E 00	3.36E-08	2.13E-08	1.79E 00	4.68E-01
1000.	-5.37E-01	1.21E 01	1.02E 01	1.68E-08	2.59E-08	1.50E 00	7.63E-01
2500.	-1.34E 00	4.07E 00	7.91E 00	-1.10E-09	1.42E-08	7.64E-01	8.63E-01
5000.	-2.69E 00	1.38E 00	4.73E 00	-3.02E-09	5.24E-09	3.41E-01	6.41E-01
7500.	-4.03E 00	7.09E-01	3.34E 00	-2.31E-09	2.39E-09	1.93E-01	4.94E-01
10000.	-5.37E 00	4.32E-01	2.57E 00	-1.66E-09	1.24E-09	1.23E-01	3.98E-01
25000.	-1.34E 01	7.82E-02	1.07E 00	-3.69E-10	1.07E-10	2.34E-02	1.77E-01
50000.	-2.69E 01	2.00E-02	5.40E-01	-9.73E-11	1.40E-11	6.02E-03	8.99E-02
100000.	-5.37E 01	5.03E-03	2.71E-01	-2.47E-11	1.78E-12	1.52E-03	4.52E-02
150000.	-8.06E 01	2.24E-03	1.80E-01	-1.10E-11	5.28E-13	6.75E-04	3.01E-02

P= 0.100 T= 10000. NTOT=7.34E 16 DEBYE=1.03E-05 LAMBDA=2.46E 02 LNLMBD= 5.50
N1=4.51881E 15 N2=6.43572E 16 N3=4.51881E 15 N4=9.64180E 07 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.86E 01	0.00E-01	7.83E-08	0.00E-01	3.19E 00	0.00E-01
500.	-1.31E-01	2.72E 01	6.10E 00	7.18E-08	2.36E-08	3.11E 00	4.77E-01
1000.	-2.62E-01	2.37E 01	1.05E 01	5.64E-08	3.91E-08	2.89E 00	8.81E-01
2500.	-6.54E-01	1.30E 01	1.38E 01	1.57E-08	4.13E-08	2.00E 00	1.44E 00
5000.	-1.31E 00	5.36E 00	1.05E 01	-2.44E-09	2.27E-08	1.07E 00	1.35E 00
7500.	-1.96E 00	2.90E 00	7.92E 00	-4.90E-09	1.32E-08	6.82E-01	1.12E 00
10000.	-2.62E 00	1.84E 00	6.29E 00	-4.86E-09	8.35E-09	4.81E-01	9.52E-01
25000.	-6.54E 00	3.93E-01	2.79E 00	-1.95E-09	1.17E-09	1.23E-01	4.91E-01
50000.	-1.31E 01	1.07E-01	1.43E 00	-5.99E-10	1.77E-10	3.47E-02	2.62E-01
100000.	-2.62E 01	2.74E-02	7.22E-01	-1.59E-10	2.33E-11	8.96E-03	1.34E-01
150000.	-3.92E 01	1.23E-02	4.82E-01	-7.12E-11	6.97E-12	4.01E-03	8.93E-02

P= 0.100 T= 11000. NTOT=6.67E 16 DEBYE=7.38E-06 LAMBDA=1.94E 02 LNLMBD= 5.27
N1=9.62229E 15 N2=4.74781E 16 N3=9.62229E 15 N4=2.10985E 09 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.62E 01	0.00E-01	1.17E-07	0.00E-01	4.64E 00	0.00E-01
500.	-7.58E-02	3.55E 01	4.79E 00	1.13E-07	2.27E-08	4.59E 00	4.49E-01
1000.	-1.52E-01	3.36E 01	9.04E 00	1.03E-07	4.20E-08	4.45E 00	8.69E-01
2500.	-3.79E-01	2.48E 01	1.63E 01	5.76E-08	6.75E-08	3.71E 00	1.76E 00
5000.	-7.58E-01	1.35E 01	1.67E 01	1.23E-08	5.42E-08	2.42E 00	2.14E 00
7500.	-1.14E 00	7.99E 00	1.41E 01	-1.66E-09	3.72E-08	1.64E 00	1.98E 00
10000.	-1.52E 00	5.25E 00	1.18E 01	-5.85E-09	2.63E-08	1.20E 00	1.76E 00
25000.	-3.79E 00	1.24E 00	5.64E 00	-5.36E-09	5.73E-09	3.88E-01	1.02E 00
50000.	-7.58E 00	3.70E-01	2.99E 00	-2.16E-09	1.10E-09	1.27E-01	5.87E-01
100000.	-1.52E 01	9.90E-02	1.53E 00	-6.33E-10	1.60E-10	3.50E-02	3.09E-01
150000.	-2.27E 01	4.47E-02	1.02E 00	-2.90E-10	4.87E-11	1.58E-02	2.08E-01

P= 0.100 T= 12000. NTOT=6.12E 16 DEBYE=5.96E-06 LAMBDA=1.71E 02 LNLMBD= 5.14
N1=1.60833E 16 N2=2.89958E 16 N3=1.60833E 16 N4=2.79138E 10 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.33E 01	0.00E-01	1.60E-07	0.00E-01	6.22E 00	0.00E-01
500.	-5.37E-02	4.29E 01	4.19E 00	1.57E-07	2.29E-08	6.18E 00	4.50E-01
1000.	-1.07E-01	4.17E 01	8.12E 00	1.49E-07	4.39E-08	6.08E 00	8.83E-01
2500.	-2.68E-01	3.48E 01	1.67E 01	1.06E-07	8.40E-08	5.45E 00	1.95E 00
5000.	-5.37E-01	2.26E 01	2.08E 01	4.16E-08	8.74E-08	4.05E 00	2.78E 00
7500.	-8.05E-01	1.48E 01	1.95E 01	1.12E-08	6.84E-08	2.94E 00	2.84E 00
10000.	-1.07E 00	1.02E 01	1.73E 01	-1.22E-09	5.19E-08	2.21E 00	2.66E 00
25000.	-2.68E 00	2.55E 00	8.98E 00	-9.01E-09	1.44E-08	7.84E-01	1.65E 00
50000.	-5.37E 00	8.10E-01	4.88E 00	-4.72E-09	3.43E-09	2.93E-01	1.01E 00
100000.	-1.07E 01	2.28E-01	2.53E 00	-1.56E-09	5.56E-10	8.65E-02	5.53E-01
150000.	-1.61E 01	1.04E-01	1.70E 00	-7.37E-10	1.74E-10	3.99E-02	3.76E-01

P= 0.100 T= 13000. NTOT=5.65E 16 DEBYE=5.40E-06 LAMBDA=1.68E 02 LNLMBD= 5.12
N1=2.12455E 16 N2=1.39669E 16 N3=2.12450E 16 N4=2.49693E 11 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.97E 01	0.00E-01	2.02E-07	0.00E-01	7.81E 00	0.00E-01
500.	-4.62E-02	4.93E 01	4.20E 00	2.00E-07	2.56E-08	7.78E 00	5.00E-01
1000.	-9.24E-02	4.82E 01	8.20E 00	1.92E-07	4.95E-08	7.67E 00	9.85E-01
2500.	-2.31E-01	4.18E 01	1.75E 01	1.47E-07	1.00E-07	7.03E 00	2.23E 00
5000.	-4.62E-01	2.91E 01	2.35E 01	6.84E-08	1.15E-07	5.48E 00	3.37E 00
7500.	-6.93E-01	1.99E 01	2.32E 01	2.48E-08	9.57E-08	4.11E 00	3.60E 00
10000.	-9.24E-01	1.41E 01	2.11E 01	4.71E-09	7.53E-08	3.15E 00	3.46E 00
25000.	-2.31E 00	3.66E 00	1.16E 01	-1.18E-08	2.29E-08	1.15E 00	2.24E 00
50000.	-4.62E 00	1.19E 00	6.36E 00	-7.07E-09	6.01E-09	4.54E-01	1.40E 00
100000.	-9.24E 00	3.44E-01	3.33E 00	-2.52E-09	1.04E-09	1.40E-01	7.82E-01
150000.	-1.39E 01	1.58E-01	2.25E 00	-1.21E-09	3.33E-10	6.54E-02	5.35E-01

P= 0.100 T= 14000. NTOT=5.24E 16 DEBYE=5.34E-06 LAMBDA=1.79E 02 LNLMBD= 5.19
N1=2.33761E 16 N2=5.67441E 15 N3=2.33728E 16 N4=1.64030E 12 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.51E 01	0.00E-01	2.44E-07	0.00E-01	9.37E 00	0.00E-01
500.	-4.63E-02	5.46E 01	4.70E 00	2.41E-07	3.12E-08	9.32E 00	6.09E-01
1000.	-9.26E-02	5.34E 01	9.17E 00	2.31E-07	6.03E-08	9.19E 00	1.20E 00
2500.	-2.31E-01	4.62E 01	1.95E 01	1.76E-07	1.21E-07	8.40E 00	2.71E 00
5000.	-4.63E-01	3.20E 01	2.60E 01	8.08E-08	1.38E-07	6.51E 00	4.06E 00
7500.	-6.94E-01	2.18E 01	2.56E 01	2.88E-08	1.14E-07	4.87E 00	4.32E 00
10000.	-9.26E-01	1.55E 01	2.33E 01	5.11E-09	8.96E-08	3.72E 00	4.14E 00
25000.	-2.31E 00	4.01E 00	1.27E 01	-1.41E-08	2.72E-08	1.35E 00	2.65E 00
50000.	-4.63E 00	1.31E 00	7.00E 00	-8.41E-09	7.16E-09	5.37E-01	1.66E 00
100000.	-9.26E 00	3.78E-01	3.66E 00	-3.00E-09	1.24E-09	1.66E-01	9.26E-01
150000.	-1.39E 01	1.74E-01	2.47E 00	-1.45E-09	3.97E-10	7.74E-02	6.34E-01

P= 0.100 T= 15000. NTOT=4.89E 16 DEBYE=5.53E-06 LAMBDA=1.99E 02 LNLMBD= 5.29
N1=2.33294E 16 N2=2.27966E 15 N3=2.33125E 16 N4=8.42673E 12 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.98E 01	0.00E-01	2.86E-07	0.00E-01	1.09E 01	0.00E-01
500.	-5.01E-02	5.93E 01	5.56E 00	2.81E-07	3.98E-08	1.09E 01	7.75E-01
1000.	-1.00E-01	5.77E 01	1.08E 01	2.67E-07	7.64E-08	1.07E 01	1.52E 00
2500.	-2.51E-01	4.88E 01	2.24E 01	1.94E-07	1.48E-07	9.61E 00	3.38E 00
5000.	-5.01E-01	3.24E 01	2.85E 01	7.99E-08	1.58E-07	7.19E 00	4.86E 00
7500.	-7.52E-01	2.15E 01	2.72E 01	2.40E-08	1.25E-07	5.24E 00	5.01E 00
10000.	-1.00E 00	1.50E 01	2.43E 01	4.07E-10	9.60E-08	3.95E 00	4.69E 00
25000.	-2.51E 00	3.81E 00	1.29E 01	-1.59E-08	2.77E-08	1.42E 00	2.92E 00
50000.	-5.01E 00	1.23E 00	7.04E 00	-8.86E-09	6.94E-09	5.49E-01	1.80E 00
100000.	-1.00E 01	3.51E-01	3.67E 00	-3.04E-09	1.16E-09	1.66E-01	9.97E-01
150000.	-1.50E 01	1.61E-01	2.47E 00	-1.45E-09	3.69E-10	7.70E-02	6.80E-01

P= 0.100 T= 16000. NTOT=4.59E 16 DEBYE=5.83E-06 LAMBDA=2.23E 02 LNLMBD= 5.41
N1=2.24558E 16 N2=9.95639E 14 N3=2.23850E 16 N4=3.54429E 13 N5=1.23640E 06

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	6.44E 01	0.00E-01	3.30E-07	0.00E-01	1.26E 01	0.00E-01
500.	-5.59E-02	6.37E 01	6.69E 00	3.23E-07	5.13E-08	1.25E 01	9.99E-01
1000.	-1.12E-01	6.16E 01	1.29E 01	3.03E-07	9.75E-08	1.22E 01	1.95E 00
2500.	-2.79E-01	5.03E 01	2.57E 01	2.05E-07	1.79E-07	1.07E 01	4.22E 00
5000.	-5.59E-01	3.16E 01	3.07E 01	7.14E-08	1.74E-07	7.65E 00	5.73E 00
7500.	-8.38E-01	2.03E 01	2.83E 01	1.51E-08	1.31E-07	5.41E 00	5.66E 00
10000.	-1.12E 00	1.38E 01	2.47E 01	-6.23E-09	9.77E-08	4.03E 00	5.18E 00
25000.	-2.79E 00	3.44E 00	1.26E 01	-1.74E-08	2.64E-08	1.42E 00	3.12E 00
50000.	-5.59E 00	1.09E 00	6.84E 00	-8.81E-09	6.17E-09	5.28E-01	1.89E 00
100000.	-1.12E 01	3.06E-01	3.54E 00	-2.88E-09	9.91E-10	1.55E-01	1.03E 00
150000.	-1.68E 01	1.40E-01	2.38E 00	-1.35E-09	3.10E-10	7.15E-02	7.01E-01

P= 0.100 T= 17000. NTOT=4.32E 16 DEBYE=6.15E-06 LAMBDA=2.50E 02 LNLMBD= 5.52
N1=2.13901E 16 N2=5.19156E 14 N3=2.11384E 16 N4=1.25864E 14 N5=2.94109E 07

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	6.86E 01	0.00E-01	3.74E-07	0.00E-01	1.42E 01	0.00E-01
500.	-6.22E-02	6.76E 01	7.94E 00	3.64E-07	6.48E-08	1.41E 01	1.27E 00
1000.	-1.24E-01	6.48E 01	1.52E 01	3.37E-07	1.22E-07	1.37E 01	2.46E 00
2500.	-3.11E-01	5.08E 01	2.89E 01	2.09E-07	2.10E-07	1.17E 01	5.15E 00
5000.	-6.22E-01	3.01E 01	3.24E 01	6.00E-08	1.86E-07	7.94E 00	6.57E 00
7500.	-9.32E-01	1.87E 01	2.87E 01	6.01E-09	1.34E-07	5.46E 00	6.23E 00
10000.	-1.24E 00	1.26E 01	2.46E 01	-1.25E-08	9.73E-08	4.02E 00	5.58E 00
25000.	-3.11E 00	3.06E 00	1.22E 01	-1.84E-08	2.45E-08	1.39E 00	3.28E 00
50000.	-6.22E 00	9.58E-01	6.56E 00	-8.55E-09	5.38E-09	4.99E-01	1.95E 00
100000.	-1.24E 01	2.64E-01	3.38E 00	-2.68E-09	8.30E-10	1.43E-01	1.05E 00
150000.	-1.86E 01	1.20E-01	2.27E 00	-1.25E-09	2.57E-10	6.54E-02	7.12E-01

P= 0.100 T= 18000. NTOT=4.08E 16 DEBYE=6.48E-06 LAMBDA=2.79E 02 LNLMBD= 5.63
N1=2.04296E 16 N2=2.99074E 14 N3=1.96630E 16 N4=3.83311E 14 N5=4.90846E 08

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	7.20E 01	0.00E-01	4.20E-07	0.00E-01	1.59E 01	0.00E-01
500.	-6.80E-02	7.07E 01	9.16E 00	4.06E-07	7.99E-08	1.58E 01	1.57E 00
1000.	-1.36E-01	6.72E 01	1.73E 01	3.69E-07	1.48E-07	1.53E 01	3.04E 00
2500.	-3.40E-01	5.07E 01	3.16E 01	2.10E-07	2.39E-07	1.26E 01	6.13E 00
5000.	-6.80E-01	2.85E 01	3.34E 01	4.90E-08	1.95E-07	8.14E 00	7.35E 00
7500.	-1.02E 00	1.73E 01	2.88E 01	-1.80E-09	1.35E-07	5.48E 00	6.74E 00
10000.	-1.36E 00	1.15E 01	2.43E 01	-1.77E-08	9.67E-08	4.01E 00	5.94E 00
25000.	-3.40E 00	2.77E 00	1.18E 01	-1.91E-08	2.29E-08	1.36E 00	3.41E 00
50000.	-6.80E 00	8.52E-01	6.30E 00	-8.31E-09	4.75E-09	4.72E-01	2.01E 00
100000.	-1.36E 01	2.33E-01	3.24E 00	-2.52E-09	7.13E-10	1.33E-01	1.07E 00
150000.	-2.04E 01	1.05E-01	2.17E 00	-1.17E-09	2.19E-10	6.05E-02	7.21E-01

P= 0.100 T= 19000. NTOT=3.86E 16 DEBYE=6.77E-06 LAMBDA=3.08E 02 LNLMBD= 5.73
N1=1.97189E 16 N2=1.89062E 14 N3=1.77229E 16 N4=9.97998E 14 N5=5.86482E 09

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	7.39E 01	0.00E-01	4.63E-07	0.00E-01	1.76E 01	0.00E-01
500.	-7.17E-02	7.25E 01	1.00E 01	4.46E-07	9.44E-08	1.74E 01	1.89E 00
1000.	-1.43E-01	6.84E 01	1.88E 01	4.00E-07	1.73E-07	1.67E 01	3.62E 00
2500.	-3.58E-01	5.00E 01	3.31E 01	2.12E-07	2.65E-07	1.34E 01	7.08E 00
5000.	-7.17E-01	2.73E 01	3.37E 01	4.15E-08	2.04E-07	8.32E 00	8.06E 00
7500.	-1.07E 00	1.63E 01	2.85E 01	-7.16E-09	1.38E-07	5.52E 00	7.20E 00
10000.	-1.43E 00	1.07E 01	2.39E 01	-2.14E-08	9.76E-08	4.03E 00	6.27E 00
25000.	-3.58E 00	2.58E 00	1.15E 01	-1.98E-08	2.22E-08	1.35E 00	3.55E 00
50000.	-7.17E 00	7.89E-01	6.10E 00	-8.26E-09	4.44E-09	4.58E-01	2.06E 00
100000.	-1.43E 01	2.14E-01	3.13E 00	-2.46E-09	6.53E-10	1.27E-01	1.09E 00
150000.	-2.15E 01	9.66E-02	2.10E 00	-1.13E-09	2.00E-10	5.78E-02	7.36E-01

P= 0.100 T= 20000. NTOT=3.67E 16 DEBYE=7.01E-06 LAMBDA=3.36E 02 LNLMBD= 5.82
N1=1.93749E 16 N2=1.24316E 14 N3=1.50216E 16 N4=2.17657E 15 N5=5.00305E 10

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	7.35E 01	0.00E-01	5.00E-07	0.00E-01	1.91E 01	0.00E-01
500.	-7.14E-02	7.19E 01	1.02E 01	4.80E-07	1.05E-07	1.88E 01	2.16E 00
1000.	-1.43E-01	6.77E 01	1.90E 01	4.28E-07	1.91E-07	1.80E 01	4.12E 00
2500.	-3.57E-01	4.91E 01	3.30E 01	2.20E-07	2.85E-07	1.42E 01	7.87E 00
5000.	-7.14E-01	2.66E 01	3.33E 01	4.05E-08	2.14E-07	8.55E 00	8.66E 00
7500.	-1.07E 00	1.59E 01	2.80E 01	-8.84E-09	1.44E-07	5.63E 00	7.60E 00
10000.	-1.43E 00	1.05E 01	2.34E 01	-2.31E-08	1.02E-07	4.11E 00	6.57E 00
25000.	-3.57E 00	2.54E 00	1.12E 01	-2.08E-08	2.30E-08	1.38E 00	3.69E 00
50000.	-7.14E 00	7.77E-01	6.00E 00	-8.61E-09	4.56E-09	4.65E-01	2.14E 00
100000.	-1.43E 01	2.11E-01	3.07E 00	-2.55E-09	6.69E-10	1.29E-01	1.13E 00
150000.	-2.14E 01	9.52E-02	2.06E 00	-1.17E-09	2.05E-10	5.84E-02	7.61E-01

P= 0.100 T= 21000. NTOT=3.49E 16 DEBYE=7.18E-06 LAMBDA=3.61E 02 LNLMBD= 5.89
N1=1.93843E 16 N2=8.01419E 13 N3=1.15870E 16 N4=3.89819E 15 N5=3.04576E 11

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	7.15E 01	0.00E-01	5.31E-07	0.00E-01	2.04E 01	0.00E-01
500.	-6.82E-02	7.00E 01	9.73E 00	5.10E-07	1.11E-07	2.01E 01	2.37E 00
1000.	-1.36E-01	6.60E 01	1.82E 01	4.54E-07	2.02E-07	1.92E 01	4.51E 00
2500.	-3.41E-01	4.83E 01	3.18E 01	2.34E-07	3.02E-07	1.49E 01	8.51E 00
5000.	-6.82E-01	2.65E 01	3.24E 01	4.54E-08	2.27E-07	8.89E 00	9.20E 00
7500.	-1.02E 00	1.60E 01	2.75E 01	-7.41E-09	1.54E-07	5.83E 00	8.00E 00
10000.	-1.36E 00	1.06E 01	2.31E 01	-2.32E-08	1.10E-07	4.25E 00	6.89E 00
25000.	-3.41E 00	2.61E 00	1.12E 01	-2.22E-08	2.53E-08	1.45E 00	3.86E 00
50000.	-6.82E 00	8.09E-01	5.98E 00	-9.35E-09	5.09E-09	4.92E-01	2.24E 00
100000.	-1.36E 01	2.20E-01	3.07E 00	-2.79E-09	7.51E-10	1.37E-01	1.19E 00
150000.	-2.05E 01	9.97E-02	2.06E 00	-1.29E-09	2.30E-10	6.21E-02	7.99E-01

P= 0.100 T= 22000. NTOT=3.34E 16 DEBYE=7.32E-06 LAMBDA=3.86E 02 LNLMBD= 5.95
N1=1.95394E 16 N2=4.83982E 13 N3=8.00896E 15 N4=5.76318E 15 N5=1.36547E 12

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	6.95E 01	0.00E-01	5.61E-07	0.00E-01	2.16E 01	0.00E-01
500.	-6.47E-02	6.82E 01	9.26E 00	5.39E-07	1.16E-07	2.13E 01	2.56E 00
1000.	-1.29E-01	6.44E 01	1.73E 01	4.81E-07	2.12E-07	2.04E 01	4.87E 00
2500.	-3.23E-01	4.77E 01	3.06E 01	2.52E-07	3.18E-07	1.57E 01	9.11E 00
5000.	-6.47E-01	2.67E 01	3.16E 01	5.21E-08	2.42E-07	9.27E 00	9.74E 00
7500.	-9.70E-01	1.62E 01	2.71E 01	-5.02E-09	1.65E-07	6.07E 00	8.42E 00
10000.	-1.29E 00	1.08E 01	2.29E 01	-2.27E-08	1.18E-07	4.43E 00	7.23E 00
25000.	-3.23E 00	2.71E 00	1.12E 01	-2.37E-08	2.81E-08	1.53E 00	4.04E 00
50000.	-6.47E 00	8.51E-01	6.01E 00	-1.02E-08	5.77E-09	5.28E-01	2.36E 00
100000.	-1.29E 01	2.33E-01	3.09E 00	-3.09E-09	8.60E-10	1.47E-01	1.25E 00
150000.	-1.94E 01	1.06E-01	2.08E 00	-1.43E-09	2.64E-10	6.71E-02	8.44E-01

P= 0.100 T= 23000. NTOT=3.19E 16 DEBYE=7.48E-06 LAMBDA=4.12E 02 LNLMBD= 6.02
N1=1.95832E 16 N2=2.69849E 13 N3=5.02282E 15 N4=7.27302E 15 N5=4.78504E 12

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	6.90E 01	0.00E-01	5.98E-07	0.00E-01	2.31E 01	0.00E-01
500.	-6.32E-02	6.76E 01	9.18E 00	5.74E-07	1.25E-07	2.27E 01	2.81E 00
1000.	-1.26E-01	6.39E 01	1.72E 01	5.11E-07	2.27E-07	2.17E 01	5.32E 00
2500.	-3.16E-01	4.73E 01	3.02E 01	2.65E-07	3.37E-07	1.66E 01	9.84E 00
5000.	-6.32E-01	2.67E 01	3.13E 01	5.53E-08	2.55E-07	9.64E 00	1.03E 01
7500.	-9.48E-01	1.63E 01	2.69E 01	-4.65E-09	1.75E-07	6.28E 00	8.87E 00
10000.	-1.26E 00	1.09E 01	2.27E 01	-2.34E-08	1.25E-07	4.59E 00	7.59E 00
25000.	-3.16E 00	2.75E 00	1.11E 01	-2.50E-08	3.01E-08	1.60E 00	4.23E 00
50000.	-6.32E 00	8.69E-01	6.01E 00	-1.09E-08	6.22E-09	5.53E-01	2.47E 00
100000.	-1.26E 01	2.39E-01	3.10E 00	-3.31E-09	9.31E-10	1.55E-01	1.31E 00
150000.	-1.90E 01	1.08E-01	2.08E 00	-1.53E-09	2.86E-10	7.05E-02	8.84E-01

P= 0.100 T= 24000. NTOT=3.06E 16 DEBYE=7.68E-06 LAMBDA=4.41E 02 LNLMBD= 6.09
N1=1.93975E 16 N2=1.41359E 13 N3=2.95565E 15 N4=8.19998E 15 N5=1.39579E 13

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	6.96E 01	0.00E-01	6.41E-07	0.00E-01	2.48E 01	0.00E-01
500.	-6.38E-02	6.82E 01	9.49E 00	6.14E-07	1.38E-07	2.44E 01	3.14E 00
1000.	-1.28E-01	6.42E 01	1.77E 01	5.42E-07	2.49E-07	2.32E 01	5.94E 00
2500.	-3.19E-01	4.71E 01	3.07E 01	2.73E-07	3.60E-07	1.74E 01	1.07E 01
5000.	-6.38E-01	2.63E 01	3.14E 01	5.37E-08	2.66E-07	9.90E 00	1.10E 01
7500.	-9.56E-01	1.60E 01	2.68E 01	-6.81E-09	1.82E-07	6.42E 00	9.31E 00
10000.	-1.28E 00	1.07E 01	2.26E 01	-2.55E-08	1.30E-07	4.69E 00	7.93E 00
25000.	-3.19E 00	2.71E 00	1.10E 01	-2.62E-08	3.09E-08	1.64E 00	4.40E 00
50000.	-6.38E 00	8.55E-01	5.95E 00	-1.13E-08	6.32E-09	5.62E-01	2.56E 00
100000.	-1.28E 01	2.35E-01	3.07E 00	-3.40E-09	9.41E-10	1.57E-01	1.35E 00
150000.	-1.91E 01	1.07E-01	2.06E 00	-1.57E-09	2.89E-10	7.13E-02	9.14E-01

P= 0.100 T= 25000. NTOT=2.94E 16 DEBYE=7.91E-06 LAMBDA=4.74E 02 LNLMBD= 6.16
N1=1.90139E 16 N2=7.18083E 12 N3=1.69535E 15 N4=8.60587E 15 N5=3.56132E 13

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	7.12E 01	0.00E-01	6.90E-07	0.00E-01	2.67E 01	0.00E-01
500.	-6.60E-02	6.96E 01	1.01E 01	6.58E-07	1.56E-07	2.62E 01	3.57E 00
1000.	-1.32E-01	6.52E 01	1.88E 01	5.74E-07	2.78E-07	2.47E 01	6.71E 00
2500.	-3.30E-01	4.68E 01	3.17E 01	2.74E-07	3.86E-07	1.81E 01	1.18E 01
5000.	-6.60E-01	2.56E 01	3.17E 01	4.78E-08	2.75E-07	1.00E 01	1.16E 01
7500.	-9.91E-01	1.54E 01	2.68E 01	-1.12E-08	1.85E-07	6.49E 00	9.73E 00
10000.	-1.32E 00	1.03E 01	2.24E 01	-2.89E-08	1.32E-07	4.75E 00	8.24E 00
25000.	-3.30E 00	2.60E 00	1.09E 01	-2.70E-08	3.05E-08	1.64E 00	4.54E 00
50000.	-6.60E 00	8.15E-01	5.85E 00	-1.13E-08	6.10E-09	5.56E-01	2.63E 00
100000.	-1.32E 01	2.23E-01	3.01E 00	-3.37E-09	9.98E-10	1.54E-01	1.39E 00
150000.	-1.98E 01	1.01E-01	2.02E 00	-1.55E-09	2.75E-10	6.99E-02	9.34E-01

P= 0.100 T= 26000. NTOT=2.82E 16 DEBYE=8.18E-06 LAMBDA=5.09E 02 LNLMBD= 6.23
N1=1.85187E 16 N2=3.63398E 12 N3=9.76452E 14 N4=8.64795E 15 N5=8.21157E 13

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	7.33E 01	0.00E-01	7.44E-07	0.00E-01	2.88E 01	0.00E-01
500.	-6.94E-02	7.14E 01	1.10E 01	7.05E-07	1.77E-07	2.82E 01	4.10E 00
1000.	-1.39E-01	6.64E 01	2.02E 01	6.05E-07	3.12E-07	2.64E 01	7.64E 00
2500.	-3.47E-01	4.65E 01	3.31E 01	2.69E-07	4.12E-07	1.87E 01	1.29E 01
5000.	-6.94E-01	2.47E 01	3.21E 01	3.93E-08	2.82E-07	1.01E 01	1.23E 01
7500.	-1.04E 00	1.47E 01	2.67E 01	-1.68E-08	1.87E-07	6.51E 00	1.01E 01
10000.	-1.39E 00	9.76E 00	2.22E 01	-3.28E-08	1.32E-07	4.77E 00	8.53E 00
25000.	-3.47E 00	2.46E 00	1.07E 01	-2.76E-08	2.94E-08	1.63E 00	4.67E 00
50000.	-6.94E 00	7.63E-01	5.72E 00	-1.12E-08	5.71E-09	5.41E-01	2.68E 00
100000.	-1.39E 01	2.07E-01	2.94E 00	-3.27E-09	8.29E-10	1.49E-01	1.41E 00
150000.	-2.08E 01	9.36E-02	1.97E 00	-1.50E-09	2.53E-10	6.73E-02	9.47E-01

P= 1.000 T= 3000. NTOT=2.45E 18 DEBYE=1.58E-01 LAMBDA=1.14E 06 LNLMBD=13.94
N1=5.70256E 06 N2=2.44650E 18 N3=5.70256E 06 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.96E-07	0.00E-01	-9.12E-16	0.00E-01	9.42E-09	0.00E-01
500.	-1.07E 00	5.60E-08	1.25E-07	2.34E-17	-1.27E-16	3.88E-09	3.04E-09
1000.	-2.14E 00	2.32E-08	7.49E-08	2.96E-17	-5.02E-17	2.10E-09	2.58E-09
2500.	-5.36E 00	5.53E-09	3.45E-08	1.12E-17	-8.22E-18	6.45E-10	1.56E-09
5000.	-1.07E 01	1.57E-09	1.79E-08	3.86E-18	-1.65E-18	2.33E-10	9.10E-10
7500.	-1.61E 01	7.27E-10	1.21E-08	1.90E-18	-5.71E-19	1.17E-10	6.40E-10
10000.	-2.14E 01	4.16E-10	9.09E-09	1.12E-18	-2.57E-19	6.98E-11	4.91E-10
25000.	-5.36E 01	6.79E-11	3.65E-09	1.89E-19	-1.78E-20	1.19E-11	2.02E-10
50000.	-1.07E 02	1.70E-11	1.83E-09	4.76E-20	-2.25E-21	3.01E-12	1.02E-10
100000.	-2.14E 02	4.26E-12	9.14E-10	1.19E-20	-2.82E-22	7.55E-13	5.09E-11
150000.	-3.21E 02	1.89E-12	6.09E-10	5.31E-21	-8.37E-23	3.35E-13	3.39E-11

P= 1.000 T= 4000. NTOT=1.83E 18 DEBYE=3.87E-03 LAMBDA=3.70E 04 LNLMBD=10.52
N1=1.27293E 10 N2=1.83487E 18 N3=1.27293E 10 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.27E-03	0.00E-01	-3.03E-12	0.00E-01	2.48E-05	0.00E-01
500.	-8.32E-01	1.28E-04	2.56E-04	2.73E-14	-4.37E-13	1.06E-05	7.82E-06
1000.	-1.66E 00	5.60E-05	1.56E-04	8.00E-14	-1.76E-13	6.32E-06	6.64E-06
2500.	-4.16E 00	1.50E-05	7.49E-05	3.73E-14	-3.14E-14	2.04E-06	4.36E-06
5000.	-8.32E 00	4.41E-06	3.97E-05	1.35E-14	-6.65E-15	7.70E-07	2.61E-06
7500.	-1.25E 01	2.06E-06	2.68E-05	6.81E-15	-2.39E-15	4.03E-07	1.86E-06
10000.	-1.66E 01	1.19E-06	2.02E-05	4.06E-15	-1.10E-15	2.44E-07	1.44E-06
25000.	-4.16E 01	1.95E-07	8.15E-06	7.00E-16	-7.89E-17	4.30E-08	6.00E-07
50000.	-8.32E 01	4.90E-08	4.08E-06	1.77E-16	-1.00E-17	1.09E-08	3.02E-07
100000.	-1.66E 02	1.23E-08	2.04E-06	4.44E-17	-1.26E-18	2.74E-09	1.51E-07
150000.	-2.49E 02	5.45E-09	1.36E-06	1.97E-17	-3.74E-19	1.22E-09	1.01E-07

P= 1.000 T= 5000. NTOT=1.47E 18 DEBYE=4.25E-04 LAMBDA=5.09E 03 LNLMBD= 8.53
N1=1.31903E 12 N2=1.46790E 18 N3=1.31903E 12 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.03E-01	0.00E-01	-2.96E-10	0.00E-01	2.13E-03	0.00E-01
500.	-6.87E-01	1.44E-02	2.42E-02	-6.25E-12	-5.48E-11	1.25E-03	8.71E-04
1000.	-1.37E 00	6.28E-03	1.53E-02	7.96E-12	-2.46E-11	8.12E-04	7.36E-04
2500.	-3.44E 00	1.78E-03	7.57E-03	4.93E-12	-4.83E-12	2.80E-04	5.33E-04
5000.	-6.87E 00	5.41E-04	4.07E-03	1.89E-12	-1.07E-12	1.08E-04	3.26E-04
7500.	-1.03E 01	2.55E-04	2.77E-03	9.81E-13	-3.98E-13	5.82E-05	2.36E-04
10000.	-1.37E 01	1.47E-04	2.09E-03	5.93E-13	-1.87E-13	3.58E-05	1.84E-04
25000.	-3.44E 01	2.44E-05	8.44E-04	1.05E-13	-1.38E-14	6.48E-06	7.75E-05
50000.	-6.87E 01	6.14E-06	4.22E-04	2.66E-14	-1.77E-15	1.65E-06	3.91E-05
100000.	-1.37E 02	1.54E-06	2.11E-04	6.67E-15	-2.22E-16	4.15E-07	1.96E-05
150000.	-2.06E 02	6.83E-07	1.41E-04	2.97E-15	-6.58E-17	1.85E-07	1.31E-05

P= 1.000 T= 6000. NTOT=1.22E 18 DEBYE=9.86E-05 LAMBDA=1.42E 03 LNLMBD= 7.26
N1=2.93941E 13 N2=1.22319E 18 N3=2.93941E 13 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.01E 00	0.00E-01	-2.07E-09	0.00E-01	3.11E-02	0.00E-01
500.	-5.52E-01	3.97E-01	3.97E-01	-4.88E-10	-9.68E-10	2.76E-02	1.14E-02
1000.	-1.10E 00	1.79E-01	3.10E-01	2.54E-11	-5.97E-10	2.08E-02	1.42E-02
2500.	-2.76E 00	4.84E-02	1.64E-01	1.07E-10	-1.45E-10	8.44E-03	1.28E-02
5000.	-5.52E 00	1.48E-02	8.98E-02	4.82E-11	-3.40E-11	3.31E-03	8.38E-03
7500.	-8.28E 00	7.01E-03	6.13E-02	2.61E-11	-1.30E-11	1.79E-03	6.14E-03
10000.	-1.10E 01	4.06E-03	4.64E-02	1.61E-11	-6.21E-12	1.11E-03	4.83E-03
25000.	-2.76E 01	6.76E-04	1.88E-02	2.94E-12	-4.72E-13	2.05E-04	2.07E-03
50000.	-5.52E 01	1.70E-04	9.41E-03	7.51E-13	-6.08E-14	5.24E-05	1.04E-03
100000.	-1.10E 02	4.26E-05	4.71E-03	1.89E-13	-7.66E-15	1.32E-05	5.24E-04
150000.	-1.66E 02	1.90E-05	3.14E-03	8.41E-14	-2.27E-15	5.86E-06	3.50E-04

P= 1.000 T= 7000. NTOT=1.05E 18 DEBYE=3.50E-05 LAMBDA=5.87E 02 LNLMBD= 6.37
N1=2.72028E 14 N2=1.04796E 18 N3=2.72028E 14 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.61E 00	0.00E-01	-3.14E-09	0.00E-01	1.88E-01	0.00E-01
500.	-3.58E-01	2.96E 00	1.21E 00	-2.36E-09	-1.40E-09	1.82E-01	3.38E-02
1000.	-7.17E-01	2.08E 00	1.68E 00	-1.25E-09	-1.82E-09	1.67E-01	5.93E-02
2500.	-1.79E 00	6.88E-01	1.36E 00	1.36E-10	-1.03E-09	1.05E-01	9.11E-02
5000.	-3.58E 00	2.11E-01	8.06E-01	2.40E-10	-3.34E-10	4.84E-02	7.89E-02
7500.	-5.38E 00	9.97E-02	5.59E-01	1.64E-10	-1.40E-10	2.65E-02	6.22E-02
10000.	-7.17E 00	5.77E-02	4.26E-01	1.11E-10	-7.03E-11	1.64E-02	5.02E-02
25000.	-1.79E 01	9.63E-03	1.74E-01	2.29E-11	-5.72E-12	3.02E-03	2.22E-02
50000.	-3.58E 01	2.43E-03	8.71E-02	5.97E-12	-7.45E-13	7.73E-04	1.13E-02
100000.	-7.17E 01	6.08E-04	4.36E-02	1.51E-12	-9.41E-14	1.95E-04	5.66E-03
150000.	-1.08E 02	2.70E-04	2.91E-02	6.71E-13	-2.79E-14	8.66E-05	3.77E-03

P= 1.000 T= 8000. NTOT=9.17E 17 DEBYE=1.62E-05 LAMBDA=3.10E 02 LNLMBD= 5.74
N1=1.45323E 15 N2=9.14531E 17 N3=1.45323E 15 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	9.23E 00	0.00E-01	3.13E-09	0.00E-01	5.86E-01	0.00E-01
500.	-1.80E-01	8.85E 00	1.81E 00	2.93E-09	8.63E-10	5.81E-01	6.35E-02
1000.	-3.59E-01	7.90E 00	3.22E 00	2.43E-09	1.51E-09	5.69E-01	9.64E-02
2500.	-8.98E-01	4.53E 00	4.58E 00	7.44E-10	1.87E-09	4.97E-01	2.10E-01
5000.	-1.80E 00	1.84E 00	3.62E 00	-2.45E-10	1.02E-09	3.41E-01	2.89E-01
7500.	-2.69E 00	9.42E-01	2.73E 00	-3.28E-10	5.08E-10	2.24E-01	2.85E-01
10000.	-3.59E 00	5.67E-01	2.15E 00	-2.70E-10	2.72E-10	1.51E-01	2.56E-01
25000.	-8.98E 00	1.01E-01	9.17E-01	-6.77E-11	2.39E-11	3.09E-02	1.31E-01
50000.	-1.80E 01	2.57E-02	4.64E-01	-1.82E-11	3.16E-12	8.06E-03	6.82E-02
100000.	-3.59E 01	6.47E-03	2.33E-01	-4.62E-12	4.01E-13	2.03E-03	3.45E-02
150000.	-5.39E 01	2.88E-03	1.55E-01	-2.06E-12	1.19E-13	9.06E-04	2.30E-02

P= 1.000 T= 9000. NTOT=8.15E 17 DEBYE=8.92E-06 LAMBDA=1.92E 02 LNLMBD= 5.26
N1=5.38082E 15 N2=8.04738E 17 N3=5.38082E 15 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.77E 01	0.00E-01	2.19E-08	0.00E-01	1.37E 00	0.00E-01
500.	-8.33E-02	1.75E 01	1.91E 00	2.15E-08	3.12E-09	1.37E 00	7.49E-02
1000.	-1.67E-01	1.69E 01	3.69E 00	2.04E-08	6.00E-09	1.36E 00	1.38E-01
2500.	-4.16E-01	1.36E 01	7.39E 00	1.47E-08	1.17E-08	1.29E 00	3.25E-01
5000.	-8.33E-01	8.12E 00	8.68E 00	5.61E-09	1.25E-08	1.09E 00	5.44E-01
7500.	-1.25E 00	4.94E 00	7.75E 00	1.00E-09	9.88E-09	8.73E-01	6.45E-01
10000.	-1.67E 00	3.25E 00	6.63E 00	-9.24E-10	7.34E-09	6.89E-01	6.68E-01
25000.	-4.16E 00	7.09E-01	3.22E 00	-1.47E-09	1.49E-09	2.09E-01	4.74E-01
50000.	-8.33E 00	1.97E-01	1.69E 00	-5.59E-10	2.59E-10	6.17E-02	2.73E-01
100000.	-1.67E 01	5.11E-02	8.57E-01	-1.58E-10	3.58E-11	1.62E-02	1.42E-01
150000.	-2.50E 01	2.29E-02	5.73E-01	-7.20E-11	1.08E-11	7.28E-03	9.54E-02

P= 1.000 T= 10000. NTOT=7.34E 17 DEBYE=5.62E-06 LAMBDA=1.34E 02 LNLMBD= 4.90
N1=1.50864E 16 N2=7.03777E 17 N3=1.50864E 16 N4=1.00161E 08 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.73E 01	0.00E-01	5.39E-08	0.00E-01	2.64E 00	0.00E-01
500.	-4.21E-02	2.72E 01	1.67E 00	5.36E-08	4.48E-09	2.64E 00	9.03E-02
1000.	-8.41E-02	2.69E 01	3.30E 00	5.27E-08	8.84E-09	2.63E 00	1.80E-01
2500.	-2.10E-01	2.49E 01	7.63E 00	4.68E-08	2.01E-08	2.56E 00	4.37E-01
5000.	-4.21E-01	1.97E 01	1.20E 01	3.21E-08	3.03E-08	2.35E 00	7.94E-01
7500.	-6.31E-01	1.48E 01	1.33E 01	1.87E-08	3.15E-08	2.08E 00	1.04E 00
10000.	-8.41E-01	1.10E 01	1.31E 01	9.49E-09	2.86E-08	1.80E 00	1.17E 00
25000.	-2.10E 00	3.01E 00	8.02E 00	-4.00E-09	1.10E-08	7.73E-01	1.11E 00
50000.	-4.21E 00	9.53E-01	4.50E 00	-3.07E-09	2.98E-09	2.94E-01	7.49E-01
100000.	-8.41E 00	2.71E-01	2.36E 00	-1.15E-09	5.23E-10	8.88E-02	4.25E-01
150000.	-1.26E 01	1.24E-01	1.59E 00	-5.60E-10	1.68E-10	4.12E-02	2.92E-01

P= 1.000 T= 11000. NTOT=6.67E 17 DEBYE=3.89E-06 LAMBDA=1.02E 02 LNLMBD= 4.63
N1=3.46103E 16 N2=5.98006E 17 N3=3.46103E 16 N4=2.22291E 09 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.73E 01	0.00E-01	9.82E-08	0.00E-01	4.37E 00	0.00E-01
500.	-2.38E-02	3.73E 01	1.40E 00	9.80E-08	5.17E-09	4.37E 00	1.04E-01
1000.	-4.77E-02	3.71E 01	2.78E 00	9.73E-08	1.03E-08	4.36E 00	2.07E-01
2500.	-1.19E-01	3.60E 01	6.74E 00	9.27E-08	2.47E-08	4.30E 00	5.11E-01
5000.	-2.38E-01	3.26E 01	1.22E 01	7.86E-08	4.35E-08	4.12E 00	9.74E-01
7500.	-3.57E-01	2.83E 01	1.57E 01	6.12E-08	5.40E-08	3.85E 00	1.35E 00
10000.	-4.77E-01	2.39E 01	1.75E 01	4.47E-08	5.75E-08	3.53E 00	1.64E 00
25000.	-1.19E 00	8.91E 00	1.52E 01	-1.23E-10	3.59E-08	1.92E 00	2.00E 00
50000.	-2.38E 00	3.11E 00	9.46E 00	-7.04E-09	1.40E-08	8.82E-01	1.54E 00
100000.	-4.77E 00	9.81E-01	5.22E 00	-4.26E-09	3.50E-09	3.27E-01	9.78E-01
150000.	-7.15E 00	4.73E-01	3.58E 00	-2.40E-09	1.27E-09	1.64E-01	7.02E-01

P= 1.000 T= 12000. NTOT=6.12E 17 DEBYE=2.93E-06 LAMBDA=8.42E 01 LNLMBD= 4.43
N1=6.65711E 16 N2=4.78483E 17 N3=6.65711E 16 N4=2.98879E 10 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.74E 01	0.00E-01	1.52E-07	0.00E-01	6.44E 00	0.00E-01
500.	-1.52E-02	4.73E 01	1.19E 00	1.52E-07	5.52E-09	6.44E 00	1.12E-01
1000.	-3.04E-02	4.73E 01	2.37E 00	1.51E-07	1.10E-08	6.43E 00	2.23E-01
2500.	-7.61E-02	4.66E 01	5.85E 00	1.48E-07	2.70E-08	6.39E 00	5.54E-01
5000.	-1.52E-01	4.45E 01	1.11E 01	1.36E-07	5.07E-08	6.24E 00	1.08E 00
7500.	-2.28E-01	4.13E 01	1.54E 01	1.20E-07	6.87E-08	6.00E 00	1.55E 00
10000.	-3.04E-01	3.77E 01	1.87E 01	1.01E-07	8.05E-08	5.71E 00	1.95E 00
25000.	-7.61E-01	1.90E 01	2.24E 01	2.11E-08	7.55E-08	3.71E 00	2.96E 00
50000.	-1.52E 00	7.53E 00	1.62E 01	-7.72E-09	3.80E-08	1.91E 00	2.61E 00
100000.	-3.04E 00	2.54E 00	9.49E 00	-9.25E-09	1.26E-08	8.24E-01	1.80E 00
150000.	-4.56E 00	1.29E 00	6.65E 00	-6.35E-09	5.40E-09	4.56E-01	1.36E 00

P= 1.000 T= 13000. NTOT=5.65E 17 DEBYE=2.39E-06 LAMBDA=7.43E 01 LNLMBD= 4.31
N1=1.08703E 17 N2=3.47171E 17 N3=1.08703E 17 N4=2.71848E 11 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.74E 01	0.00E-01	2.14E-07	0.00E-01	8.80E 00	0.00E-01
500.	-1.11E-02	5.74E 01	1.08E 00	2.13E-07	5.95E-09	8.79E 00	1.20E-01
1000.	-2.21E-02	5.73E 01	2.16E 00	2.13E-07	1.19E-08	8.79E 00	2.40E-01
2500.	-5.53E-02	5.69E 01	5.36E 00	2.10E-07	2.94E-08	8.75E 00	5.98E-01
5000.	-1.11E-01	5.53E 01	1.04E 01	2.00E-07	5.65E-08	8.62E 00	1.18E 00
7500.	-1.66E-01	5.30E 01	1.49E 01	1.85E-07	7.96E-08	8.41E 00	1.72E 00
10000.	-2.21E-01	5.00E 01	1.87E 01	1.67E-07	9.78E-08	8.14E 00	2.21E 00
25000.	-5.53E-01	3.08E 01	2.76E 01	6.07E-08	1.20E-07	5.96E 00	3.86E 00
50000.	-1.11E 00	1.40E 01	2.33E 01	-1.16E-09	7.32E-08	3.36E 00	3.85E 00
100000.	-2.21E 00	4.98E 00	1.46E 01	-1.39E-08	2.90E-08	1.55E 00	2.82E 00
150000.	-3.32E 00	2.60E 00	1.05E 01	-1.16E-08	1.40E-08	9.21E-01	2.19E 00

P= 1.000 T= 14000. NTOT=5.24E 17 DEBYE=2.10E-06 LAMBDA=7.03E 01 LNLMBD= 4.25
N1=1.51587E 17 N2=2.21078E 17 N3=1.51583E 17 N4=1.80894E 12 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	6.67E 01	0.00E-01	2.79E-07	0.00E-01	1.13E 01	0.00E-01
500.	-9.09E-03	6.67E 01	1.06E 00	2.79E-07	6.63E-09	1.13E 01	1.33E-01
1000.	-1.82E-02	6.66E 01	2.12E 00	2.79E-07	1.32E-08	1.13E 01	2.67E-01
2500.	-4.55E-02	6.63E 01	5.26E 00	2.76E-07	3.28E-08	1.12E 01	6.64E-01
5000.	-9.09E-02	6.50E 01	1.03E 01	2.66E-07	6.38E-08	1.11E 01	1.31E 00
7500.	-1.36E-01	6.30E 01	1.49E 01	2.51E-07	9.14E-08	1.09E 01	1.93E 00
10000.	-1.82E-01	6.04E 01	1.90E 01	2.33E-07	1.15E-07	1.06E 01	2.50E 00
25000.	-4.55E-01	4.12E 01	3.12E 01	1.07E-07	1.61E-07	8.28E 00	4.70E 00
50000.	-9.09E-01	2.06E 01	2.92E 01	1.09E-08	1.12E-07	4.96E 00	5.09E 00
100000.	-1.82E 00	7.69E 00	1.95E 01	-1.72E-08	4.89E-08	2.37E 00	3.89E 00
150000.	-2.73E 00	4.07E 00	1.41E 01	-1.66E-08	2.53E-08	1.46E 00	3.08E 00

P= 1.000 T= 15000. NTOT=4.89E 17 DEBYE=1.98E-06 LAMBDA=7.09E 01 LNLMBD= 4.26
N1=1.82994E 17 N2=1.23322E 17 N3=1.82975E 17 N4=9.34235E 12 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	7.49E 01	0.00E-01	3.45E-07	0.00E-01	1.38E 01	0.00E-01
500.	-8.37E-03	7.49E 01	1.11E 00	3.45E-07	7.72E-09	1.37E 01	1.55E-01
1000.	-1.67E-02	7.49E 01	2.22E 00	3.45E-07	1.54E-08	1.37E 01	3.09E-01
2500.	-4.18E-02	7.45E 01	5.53E 00	3.42E-07	3.83E-08	1.37E 01	7.70E-01
5000.	-8.37E-02	7.32E 01	1.09E 01	3.31E-07	7.46E-08	1.36E 01	1.52E 00
7500.	-1.26E-01	7.12E 01	1.58E 01	3.14E-07	1.07E-07	1.33E 01	2.24E 00
10000.	-1.67E-01	6.86E 01	2.02E 01	2.93E-07	1.35E-07	1.30E 01	2.91E 00
25000.	-4.18E-01	4.85E 01	3.45E 01	1.45E-07	2.00E-07	1.03E 01	5.60E 00
50000.	-8.37E-01	2.52E 01	3.36E 01	2.07E-08	1.46E-07	6.34E 00	6.26E 00
100000.	-1.67E 00	9.64E 00	2.30E 01	-2.00E-08	6.60E-08	3.07E 00	4.86E 00
150000.	-2.51E 00	5.14E 00	1.68E 01	-2.08E-08	3.52E-08	1.91E 00	3.86E 00

P= 1.000 T= 16000. NTOT=4.59E 17 DEBYE=1.96E-06 LAMBDA=7.52E 01 LNLMBD= 4.32
N1=1.97827E 17 N2=6.31039E 16 N3=1.97748E 17 N4=3.92710E 13 N5=1.80612E 05

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	8.20E 01	0.00E-01	4.09E-07	0.00E-01	1.61E 01	0.00E-01
500.	-8.40E-03	8.19E 01	1.24E 00	4.09E-07	9.32E-09	1.61E 01	1.86E-01
1000.	-1.68E-02	8.19E 01	2.47E 00	4.08E-07	1.86E-08	1.61E 01	3.71E-01
2500.	-4.20E-02	8.15E 01	6.14E 00	4.05E-07	4.62E-08	1.61E 01	9.25E-01
5000.	-8.40E-02	8.00E 01	1.20E 01	3.92E-07	9.00E-08	1.59E 01	1.83E 00
7500.	-1.26E-01	7.78E 01	1.75E 01	3.71E-07	1.29E-07	1.56E 01	2.69E 00
10000.	-1.68E-01	7.48E 01	2.24E 01	3.45E-07	1.63E-07	1.53E 01	3.49E 00
25000.	-4.20E-01	5.25E 01	3.78E 01	1.67E-07	2.36E-07	1.20E 01	6.65E 00
50000.	-8.40E-01	2.72E 01	3.65E 01	2.25E-08	1.70E-07	7.28E 00	7.32E 00
100000.	-1.68E 00	1.04E 01	2.49E 01	-2.36E-08	7.64E-08	3.51E 00	5.63E 00
150000.	-2.52E 00	5.52E 00	1.82E 01	-2.42E-08	4.07E-08	2.18E 00	4.45E 00

P= 1.000 T= 17000. NTOT=4.32E 17 DEBYE=2.01E-06 LAMBDA=8.19E 01 LNLMBD= 4.41
N1=2.00031E 17 N2=3.18136E 16 N3=1.99751E 17 N4=1.39581E 14 N5=4.00938E 06

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	8.81E 01	0.00E-01	4.71E-07	0.00E-01	1.85E 01	0.00E-01
500.	-8.87E-03	8.81E 01	1.42E 00	4.71E-07	1.15E-08	1.85E 01	2.27E-01
1000.	-1.77E-02	8.80E 01	2.83E 00	4.70E-07	2.29E-08	1.84E 01	4.54E-01
2500.	-4.43E-02	8.75E 01	7.03E 00	4.65E-07	5.67E-08	1.84E 01	1.13E 00
5000.	-8.87E-02	8.57E 01	1.37E 01	4.48E-07	1.10E-07	1.82E 01	2.23E 00
7500.	-1.33E-01	8.30E 01	1.99E 01	4.22E-07	1.57E-07	1.78E 01	3.27E 00
10000.	-1.77E-01	7.95E 01	2.53E 01	3.89E-07	1.96E-07	1.73E 01	4.23E 00
25000.	-4.43E-01	5.40E 01	4.12E 01	1.74E-07	2.70E-07	1.33E 01	7.82E 00
50000.	-8.87E-01	2.70E 01	3.83E 01	1.68E-08	1.84E-07	7.81E 00	8.26E 00
100000.	-1.77E 00	1.01E 01	2.56E 01	-2.77E-08	8.05E-08	3.72E 00	6.20E 00
150000.	-2.66E 00	5.39E 00	1.86E 01	-2.69E-08	4.22E-08	2.30E 00	4.88E 00

P= 1.000 T= 18000. NTOT=4.08E 17 DEBYE=2.09E-06 LAMBDA=9.02E 01 LNLMBD= 4.50
N1=1.95695E 17 N2=1.67910E 16 N3=1.94832E 17 N4=4.31635E 14 N5=6.55177E 07

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	9.37E 01	0.00E-01	5.33E-07	0.00E-01	2.08E 01	0.00E-01
500.	-9.58E-03	9.36E 01	1.64E 00	5.33E-07	1.41E-08	2.08E 01	2.79E-01
1000.	-1.92E-02	9.35E 01	3.27E 00	5.32E-07	2.82E-08	2.08E 01	5.57E-01
2500.	-4.79E-02	9.29E 01	8.12E 00	5.25E-07	6.97E-08	2.07E 01	1.39E 00
5000.	-9.58E-02	9.07E 01	1.58E 01	5.03E-07	1.34E-07	2.04E 01	2.73E 00
7500.	-1.44E-01	8.73E 01	2.27E 01	4.68E-07	1.90E-07	1.99E 01	3.99E 00
10000.	-1.92E-01	8.30E 01	2.87E 01	4.26E-07	2.35E-07	1.93E 01	5.13E 00
25000.	-4.79E-01	5.38E 01	4.43E 01	1.69E-07	3.01E-07	1.42E 01	9.07E 00
50000.	-9.58E-01	2.58E 01	3.94E 01	7.32E-09	1.92E-07	8.07E 00	9.11E 00
100000.	-1.92E 00	9.47E 00	2.55E 01	-3.19E-08	8.07E-08	3.80E 00	6.64E 00
150000.	-2.88E 00	5.01E 00	1.84E 01	-2.89E-08	4.13E-08	2.33E 00	5.19E 00

P= 1.000 T= 19000. NTOT=3.86E 17 DEBYE=2.19E-06 LAMBDA=9.96E 01 LNLMBD= 4.60
N1=1.88754E 17 N2=9.96527E 15 N3=1.86386E 17 N4=1.18412E 15 N5=8.15145E 08

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	9.88E 01	0.00E-01	5.96E-07	0.00E-01	2.32E 01	0.00E-01
500.	-1.04E-02	9.87E 01	1.89E 00	5.96E-07	1.73E-08	2.32E 01	3.41E-01
1000.	-2.09E-02	9.86E 01	3.78E 00	5.95E-07	3.45E-08	2.31E 01	6.81E-01
2500.	-5.21E-02	9.78E 01	9.36E 00	5.86E-07	8.51E-08	2.30E 01	1.69E 00
5000.	-1.04E-01	9.51E 01	1.81E 01	5.56E-07	1.63E-07	2.26E 01	3.32E 00
7500.	-1.56E-01	9.09E 01	2.59E 01	5.11E-07	2.28E-07	2.20E 01	4.83E 00
10000.	-2.09E-01	8.57E 01	3.23E 01	4.56E-07	2.79E-07	2.12E 01	6.17E 00
25000.	-5.21E-01	5.27E 01	4.71E 01	1.58E-07	3.27E-07	1.50E 01	1.04E 01
50000.	-1.04E 00	2.42E 01	3.98E 01	-3.36E-09	1.96E-07	8.17E 00	9.86E 00
100000.	-2.09E 00	8.69E 00	2.51E 01	-3.57E-08	7.88E-08	3.80E 00	7.01E 00
150000.	-3.13E 00	4.58E 00	1.80E 01	-3.03E-08	3.92E-08	2.31E 00	5.44E 00

P= 1.000 T= 20000. NTOT=3.67E 17 DEBYE=2.29E-06 LAMBDA=1.10E 02 LNLMBD= 4.70
N1=1.81858E 17 N2=6.17209E 15 N3=1.76030E 17 N4=2.91407E 15 N5=7.90883E 09

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.04E 02	0.00E-01	6.63E-07	0.00E-01	2.57E 01	0.00E-01
500.	-1.13E-02	1.04E 02	2.16E 00	6.63E-07	2.10E-08	2.57E 01	4.13E-01
1000.	-2.26E-02	1.03E 02	4.32E 00	6.61E-07	4.19E-08	2.57E 01	8.26E-01
2500.	-5.65E-02	1.02E 02	1.07E 01	6.49E-07	1.03E-07	2.55E 01	2.05E 00
5000.	-1.13E-01	9.90E 01	2.06E 01	6.10E-07	1.96E-07	2.50E 01	4.01E 00
7500.	-1.69E-01	9.39E 01	2.91E 01	5.52E-07	2.71E-07	2.42E 01	5.79E 00
10000.	-2.26E-01	8.77E 01	3.60E 01	4.84E-07	3.26E-07	2.31E 01	7.35E 00
25000.	-5.65E-01	5.11E 01	4.94E 01	1.44E-07	3.51E-07	1.56E 01	1.17E 01
50000.	-1.13E 00	2.26E 01	3.99E 01	-1.38E-08	1.97E-07	8.23E 00	1.06E 01
100000.	-2.26E 00	7.99E 00	2.46E 01	-3.91E-08	7.64E-08	3.79E 00	7.36E 00
150000.	-3.39E 00	4.20E 00	1.75E 01	-3.14E-08	3.69E-08	2.27E 00	5.67E 00

P= 1.000 T= 21000. NTOT=3.49E 17 DEBYE=2.38E-06 LAMBDA=1.20E 02 LNLMBD= 4.79
N1=1.75934E 17 N2=4.07819E 15 N3=1.63041E 17 N4=6.44642E 15 N5=6.08821E 10

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.07E 02	0.00E-01	7.25E-07	0.00E-01	2.81E 01	0.00E-01
500.	-1.19E-02	1.07E 02	2.38E 00	7.25E-07	2.46E-08	2.81E 01	4.88E-01
1000.	-2.39E-02	1.06E 02	4.75E 00	7.23E-07	4.90E-08	2.80E 01	9.75E-01
2500.	-5.97E-02	1.05E 02	1.17E 01	7.08E-07	1.20E-07	2.78E 01	2.42E 00
5000.	-1.19E-01	1.01E 02	2.25E 01	6.59E-07	2.27E-07	2.72E 01	4.71E 00
7500.	-1.79E-01	9.54E 01	3.15E 01	5.88E-07	3.11E-07	2.62E 01	6.77E 00
10000.	-2.39E-01	8.85E 01	3.86E 01	5.07E-07	3.69E-07	2.49E 01	8.52E 00
25000.	-5.97E-01	4.95E 01	5.06E 01	1.32E-07	3.70E-07	1.61E 01	1.29E 01
50000.	-1.19E 00	2.12E 01	3.96E 01	-2.15E-08	1.99E-07	8.28E 00	1.12E 01
100000.	-2.39E 00	7.47E 00	2.40E 01	-4.17E-08	7.51E-08	3.79E 00	7.66E 00
150000.	-3.58E 00	3.91E 00	1.71E 01	-3.24E-08	3.55E-08	2.25E 00	5.87E 00

P= 1.000 T= 22000. NTOT=3.34E 17 DEBYE=2.47E-06 LAMBDA=1.30E 02 LNLMBD= 4.87
N1=1.71776E 17 N2=2.80325E 15 N3=1.46293E 17 N4=1.27411E 16 N5=3.73906E 11

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.08E 02	0.00E-01	7.83E-07	0.00E-01	3.03E 01	0.00E-01
500.	-1.23E-02	1.08E 02	2.51E 00	7.82E-07	2.78E-08	3.03E 01	5.60E-01
1000.	-2.46E-02	1.08E 02	5.00E 00	7.80E-07	5.55E-08	3.03E 01	1.12E 00
2500.	-6.14E-02	1.06E 02	1.23E 01	7.62E-07	1.36E-07	3.01E 01	2.77E 00
5000.	-1.23E-01	1.02E 02	2.35E 01	7.05E-07	2.55E-07	2.93E 01	5.39E 00
7500.	-1.84E-01	9.57E 01	3.29E 01	6.23E-07	3.47E-07	2.80E 01	7.70E 00
10000.	-2.46E-01	8.82E 01	4.00E 01	5.29E-07	4.07E-07	2.65E 01	9.63E 00
25000.	-6.14E-01	4.82E 01	5.09E 01	1.25E-07	3.88E-07	1.66E 01	1.40E 01
50000.	-1.23E 00	2.04E 01	3.91E 01	-2.67E-08	2.04E-07	8.38E 00	1.17E 01
100000.	-2.46E 00	7.16E 00	2.36E 01	-4.40E-08	7.55E-08	3.82E 00	7.96E 00
150000.	-3.68E 00	3.75E 00	1.67E 01	-3.35E-08	3.52E-08	2.25E 00	6.07E 00

P= 1.000 T= 23000. NTOT=3.19E 17 DEBYE=2.54E-06 LAMBDA=1.40E 02 LNLMBD= 4.94
N1=1.69722E 17 N2=1.95079E 15 N3=1.25151E 17 N4=2.22827E 16 N5=1.83388E 12

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.07E 02	0.00E-01	8.34E-07	0.00E-01	3.24E 01	0.00E-01
500.	-1.22E-02	1.07E 02	2.52E 00	8.33E-07	3.03E-08	3.24E 01	6.24E-01
1000.	-2.44E-02	1.07E 02	5.02E 00	8.30E-07	6.03E-08	3.24E 01	1.25E 00
2500.	-6.10E-02	1.05E 02	1.24E 01	8.11E-07	1.48E-07	3.21E 01	3.09E 00
5000.	-1.22E-01	1.01E 02	2.36E 01	7.47E-07	2.77E-07	3.12E 01	5.98E 00
7500.	-1.83E-01	9.47E 01	3.29E 01	6.56E-07	3.74E-07	2.98E 01	8.51E 00
10000.	-2.44E-01	8.72E 01	3.99E 01	5.55E-07	4.36E-07	2.80E 01	1.06E 01
25000.	-6.10E-01	4.74E 01	5.03E 01	1.27E-07	4.07E-07	1.71E 01	1.49E 01
50000.	-1.22E 00	2.01E 01	3.85E 01	-2.89E-08	2.13E-07	8.55E 00	1.23E 01
100000.	-2.44E 00	7.09E 00	2.32E 01	-4.62E-08	7.86E-08	3.91E 00	8.26E 00
150000.	-3.66E 00	3.72E 00	1.65E 01	-3.50E-08	3.66E-08	2.30E 00	6.30E 00

P= 1.000 T= 24000. NTOT=3.06E 17 DEBYE=2.60E-06 LAMBDA=1.49E 02 LNLMBD= 5.01
N1=1.69410E 17 N2=1.33077E 15 N3=1.00739E 17 N4=3.43247E 16 N5=7.23838E 12

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.05E 02	0.00E-01	8.82E-07	0.00E-01	3.44E 01	0.00E-01
500.	-1.19E-02	1.05E 02	2.46E 00	8.81E-07	3.21E-08	3.44E 01	6.81E-01
1000.	-2.37E-02	1.05E 02	4.91E 00	8.78E-07	6.41E-08	3.44E 01	1.36E 00
2500.	-5.93E-02	1.04E 02	1.21E 01	8.57E-07	1.57E-07	3.41E 01	3.37E 00
5000.	-1.19E-01	9.94E 01	2.30E 01	7.88E-07	2.93E-07	3.30E 01	6.51E 00
7500.	-1.78E-01	9.31E 01	3.21E 01	6.92E-07	3.96E-07	3.14E 01	9.24E 00
10000.	-2.37E-01	8.58E 01	3.90E 01	5.84E-07	4.61E-07	2.95E 01	1.15E 01
25000.	-5.93E-01	4.71E 01	4.93E 01	1.34E-07	4.28E-07	1.77E 01	1.58E 01
50000.	-1.19E 00	2.01E 01	3.80E 01	-2.90E-08	2.24E-07	8.81E 00	1.28E 01
100000.	-2.37E 00	7.17E 00	2.30E 01	-4.83E-08	8.37E-08	4.04E 00	8.59E 00
150000.	-3.56E 00	3.78E 00	1.64E 01	-3.69E-08	3.92E-08	2.39E 00	6.55E 00

P= 1.000 T= 25000. NTOT=2.94E 17 DEBYE=2.65E-06 LAMBDA=1.58E 02 LNLMBD= 5.07
N1=1.69821E 17 N2=8.78015E 14 N3=7.59638E 16 N4=4.68934E 16 N5=2.34849E 13

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.03E 02	0.00E-01	9.28E-07	0.00E-01	3.64E 01	0.00E-01
500.	-1.15E-02	1.03E 02	2.39E 00	9.27E-07	3.38E-08	3.64E 01	7.34E-01
1000.	-2.30E-02	1.03E 02	4.77E 00	9.23E-07	6.74E-08	3.63E 01	1.47E 00
2500.	-5.74E-02	1.02E 02	1.18E 01	9.02E-07	1.65E-07	3.60E 01	3.63E 00
5000.	-1.15E-01	9.77E 01	2.24E 01	8.29E-07	3.08E-07	3.48E 01	7.00E 00
7500.	-1.72E-01	9.17E 01	3.12E 01	7.28E-07	4.15E-07	3.31E 01	9.92E 00
10000.	-2.30E-01	8.46E 01	3.79E 01	6.15E-07	4.84E-07	3.10E 01	1.23E 01
25000.	-5.74E-01	4.69E 01	4.84E 01	1.44E-07	4.49E-07	1.84E 01	1.67E 01
50000.	-1.15E 00	2.03E 01	3.76E 01	-2.82E-08	2.38E-07	9.10E 00	1.34E 01
100000.	-2.30E 00	7.29E 00	2.29E 01	-5.04E-08	8.97E-08	4.20E 00	8.94E 00
150000.	-3.44E 00	3.87E 00	1.63E 01	-3.90E-08	4.23E-08	2.49E 00	6.81E 00

P= 1.000 T= 26000. NTOT=2.82E 17 DEBYE=2.70E-06 LAMBDA=1.68E 02 LNLMBD= 5.12
N1=1.69839E 17 N2=5.55171E 14 N3=5.40130E 16 N4=5.78162E 16 N5=6.46195E 13

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.02E 02	0.00E-01	9.78E-07	0.00E-01	3.85E 01	0.00E-01
500.	-1.13E-02	1.02E 02	2.37E 00	9.77E-07	3.59E-08	3.85E 01	7.96E-01
1000.	-2.25E-02	1.02E 02	4.72E 00	9.74E-07	7.16E-08	3.84E 01	1.59E 00
2500.	-5.63E-02	1.01E 02	1.16E 01	9.50E-07	1.75E-07	3.80E 01	3.93E 00
5000.	-1.13E-01	9.69E 01	2.22E 01	8.73E-07	3.27E-07	3.68E 01	7.57E 00
7500.	-1.69E-01	9.09E 01	3.09E 01	7.65E-07	4.39E-07	3.49E 01	1.07E 01
10000.	-2.25E-01	8.39E 01	3.75E 01	6.45E-07	5.11E-07	3.25E 01	1.32E 01
25000.	-5.63E-01	4.67E 01	4.78E 01	1.51E-07	4.71E-07	1.90E 01	1.77E 01
50000.	-1.13E 00	2.03E 01	3.74E 01	-2.85E-08	2.49E-07	9.37E 00	1.40E 01
100000.	-2.25E 00	7.34E 00	2.28E 01	-5.26E-08	9.48E-08	4.34E 00	9.28E 00
150000.	-3.38E 00	3.91E 00	1.63E 01	-4.10E-08	4.49E-08	2.59E 00	7.08E 00

P= 5.000 T= 3000. NTOT=1.22E 19 DEBYE=1.06E-01 LAMBDA=7.60E 05 LNLMBD=13.54
N1=1.27513E 07 N2=1.22325E 19 N3=1.27513E 07 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.67E-07	0.00E-01	-4.08E-16	0.00E-01	4.21E-09	0.00E-01
500.	-2.14E-01	1.42E-07	9.13E-08	-1.58E-16	-2.00E-16	3.25E-09	1.30E-09
1000.	-4.29E-01	7.77E-08	9.42E-08	-6.24E-17	-1.39E-16	2.47E-09	1.47E-09
2500.	-1.07E 00	2.51E-08	5.61E-08	8.15E-18	-6.22E-17	1.74E-09	1.36E-09
5000.	-2.14E 00	1.04E-08	3.35E-08	1.33E-17	-2.24E-17	9.40E-10	1.16E-09
7500.	-3.21E 00	5.75E-09	2.42E-08	9.53E-18	-1.05E-17	5.71E-10	9.68E-10
10000.	-4.29E 00	3.61E-09	1.89E-08	6.78E-18	-5.89E-18	3.91E-10	8.11E-10
25000.	-1.07E 01	7.03E-10	8.02E-09	1.73E-18	-7.37E-19	1.04E-10	4.07E-10
50000.	-2.14E 01	1.86E-10	4.06E-09	5.00E-19	-1.15E-19	3.12E-11	2.20E-10
100000.	-4.29E 01	4.74E-11	2.04E-09	1.31E-19	-1.54E-20	8.27E-12	1.13E-10
150000.	-6.43E 01	2.11E-11	1.36E-09	5.89E-20	-4.63E-21	3.72E-12	7.55E-11

P= 5.000 T= 4000. NTOT=9.17E 18 DEBYE=2.59E-03 LAMBDA=2.48E 04 LNLMBD=10.12
N1=2.84648E 10 N2=9.17437E 18 N3=2.84648E 10 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.68E-04	0.00E-01	-1.36E-12	0.00E-01	1.11E-05	0.00E-01
500.	-1.66E-01	2.85E-04	1.59E-04	-4.66E-13	-6.02E-13	8.55E-06	3.33E-06
1000.	-3.33E-01	1.69E-04	1.80E-04	-2.20E-13	-4.11E-13	6.58E-06	3.74E-06
2500.	-8.32E-01	5.72E-05	1.15E-04	3.94E-15	-1.96E-13	4.74E-06	3.50E-06
5000.	-1.66E 00	2.50E-05	6.96E-05	3.58E-14	-7.87E-14	2.83E-06	2.97E-06
7500.	-2.49E 00	1.47E-05	5.12E-05	2.93E-14	-3.89E-14	1.78E-06	2.63E-06
10000.	-3.33E 00	9.58E-06	4.05E-05	2.19E-14	-2.22E-14	1.23E-06	2.25E-06
25000.	-8.32E 00	1.97E-06	1.77E-05	6.02E-15	-2.97E-15	3.45E-07	1.17E-06
50000.	-1.66E 01	5.30E-07	9.05E-06	1.81E-15	-4.93E-16	1.09E-07	6.44E-07
100000.	-3.33E 01	1.36E-07	4.55E-06	4.85E-16	-6.80E-17	2.97E-08	3.34E-07
150000.	-4.99E 01	6.07E-08	3.04E-06	2.18E-16	-2.06E-17	1.34E-08	2.24E-07

P= 5.000 T= 5000. NTOT=7.34E 18 DEBYE=2.84E-04 LAMBDA=3.40E 03 LNLMBD= 8.13
N1=2.95028E 12 N2=7.33949E 18 N3=2.95028E 12 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.02E-02	0.00E-01	-1.54E-10	0.00E-01	1.10E-03	0.00E-01
500.	-1.38E-01	2.58E-02	1.15E-02	-5.41E-11	-6.93E-11	1.00E-03	3.12E-04
1000.	-2.76E-01	1.72E-02	1.48E-02	-3.09E-11	-4.96E-11	7.90E-04	4.01E-04
2500.	-6.90E-01	6.32E-03	1.09E-02	-2.44E-12	-2.49E-11	5.61E-04	3.97E-04
5000.	-1.38E 00	2.77E-03	6.83E-03	3.69E-12	-1.10E-11	3.63E-04	3.32E-04
7500.	-2.07E 00	1.67E-03	5.08E-03	3.55E-12	-5.75E-12	2.38E-04	3.09E-04
10000.	-2.76E 00	1.11E-03	4.06E-03	2.83E-12	-3.37E-12	1.67E-04	2.72E-04
25000.	-6.90E 00	2.41E-04	1.82E-03	8.52E-13	-4.78E-13	4.83E-05	1.46E-04
50000.	-1.38E 01	6.56E-05	9.35E-04	2.66E-13	-8.35E-14	1.60E-05	8.22E-05
100000.	-2.76E 01	1.69E-05	4.71E-04	7.25E-14	-1.18E-14	4.45E-06	4.31E-05
150000.	-4.14E 01	7.57E-06	3.15E-04	3.28E-14	-3.60E-15	2.02E-06	2.90E-05

P= 5.000 T= 6000. NTOT=6.12E 18 DEBYE=6.59E-05 LAMBDA=9.47E 02 LNLMBD= 6.85
N1=6.57919E 13 N2=6.11612E 18 N3=6.57919E 13 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	6.09E-01	0.00E-01	-1.60E-09	0.00E-01	1.58E-02	0.00E-01
500.	-1.16E-01	4.35E-01	2.20E-01	-1.01E-09	-7.05E-10	1.63E-02	1.19E-03
1000.	-2.32E-01	3.51E-01	2.54E-01	-7.49E-10	-8.28E-10	1.63E-02	2.80E-03
2500.	-5.79E-01	1.64E-01	2.07E-01	-1.80E-10	-5.55E-10	1.32E-02	6.26E-03
5000.	-1.16E 00	7.12E-02	1.43E-01	4.66E-11	-2.95E-10	9.45E-03	7.16E-03
7500.	-1.74E 00	4.23E-02	1.09E-01	7.26E-11	-1.65E-10	6.59E-03	7.18E-03
10000.	-2.32E 00	2.83E-02	8.79E-02	6.59E-11	-1.00E-10	4.76E-03	6.60E-03
25000.	-5.79E 00	6.27E-03	4.02E-02	2.32E-11	-1.52E-11	1.42E-03	3.78E-03
50000.	-1.16E 01	1.73E-03	2.08E-02	7.60E-12	-2.76E-12	4.80E-04	2.17E-03
100000.	-2.32E 01	4.48E-04	1.05E-02	2.11E-12	-4.01E-13	1.36E-04	1.15E-03
150000.	-3.48E 01	2.01E-04	7.01E-03	9.62E-13	-1.23E-13	6.22E-05	7.74E-04

P= 5.000 T= 7000. NTOT=5.24E 18 DEBYE=2.34E-05 LAMBDA=3.92E 02 LNLMBD= 5.97
N1=6.09728E 14 N2=5.24128E 18 N3=6.09728E 14 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.52E 00	0.00E-01	-4.09E-09	0.00E-01	1.15E-01	0.00E-01
500.	-8.90E-02	2.24E 00	3.93E-01	-3.94E-09	-7.91E-10	1.14E-01	5.93E-03
1000.	-1.78E-01	2.13E 00	7.15E-01	-3.65E-09	-1.46E-09	1.13E-01	1.17E-02
2500.	-4.45E-01	1.60E 00	1.01E 00	-2.27E-09	-2.33E-09	1.07E-01	2.77E-02
5000.	-8.90E-01	8.83E-01	1.06E 00	-5.56E-10	-2.11E-09	9.00E-02	4.58E-02
7500.	-1.34E 00	5.29E-01	9.09E-01	9.41E-11	-1.48E-09	7.16E-02	5.36E-02
10000.	-1.78E 00	3.49E-01	7.66E-01	2.91E-10	-1.01E-09	5.63E-02	5.49E-02
25000.	-4.45E 00	7.55E-02	3.68E-01	2.01E-10	-1.84E-10	1.84E-02	3.84E-02
50000.	-8.90E 00	2.08E-02	1.92E-01	7.43E-11	-3.52E-11	6.25E-03	2.29E-02
100000.	-1.78E 01	5.40E-03	9.72E-02	2.16E-11	-5.26E-12	1.78E-03	1.23E-02
150000.	-2.67E 01	2.42E-03	6.50E-02	9.93E-12	-1.62E-12	8.15E-04	8.35E-03

P= 5.000 T= 8000. NTOT=4.59E 18 DEBYE=1.08E-05 LAMBDA=2.07E 02 LNLMBD= 5.33
N1=3.26427E 15 N2=4.58066E 18 N3=3.26427E 15 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	6.53E 00	0.00E-01	-3.92E-09	0.00E-01	4.11E-01	0.00E-01
500.	-5.72E-02	6.40E 00	4.28E-01	-3.90E-09	-3.34E-10	4.10E-01	1.14E-02
1000.	-1.14E-01	6.33E 00	8.45E-01	-3.83E-09	-6.58E-10	4.09E-01	2.27E-02
2500.	-2.86E-01	5.85E 00	1.83E 00	-3.41E-09	-1.47E-09	4.03E-01	5.57E-02
5000.	-5.72E-01	4.62E 00	2.88E 00	-2.33E-09	-2.24E-09	3.81E-01	1.05E-01
7500.	-8.59E-01	3.42E 00	3.19E 00	-1.34E-09	-2.34E-09	3.50E-01	1.44E-01
10000.	-1.14E 00	2.51E 00	3.12E 00	-6.39E-10	-2.13E-09	3.14E-01	1.72E-01
25000.	-2.86E 00	6.16E-01	1.87E 00	3.43E-10	-7.51E-10	1.45E-01	1.92E-01
50000.	-5.72E 00	1.72E-01	1.01E 00	2.19E-10	-1.82E-10	5.23E-02	1.33E-01
100000.	-1.14E 01	4.48E-02	5.18E-01	7.57E-11	-2.98E-11	1.50E-02	7.43E-02
150000.	-1.72E 01	2.01E-02	3.47E-01	3.60E-11	-9.39E-12	6.87E-03	5.07E-02

P= 5.000 T= 9000. NTOT=4.08E 18 DEBYE=5.95E-06 LAMBDA=1.28E 02 LNLMBD= 4.85
N1=1.21202E 16 N2=4.05326E 18 N3=1.21202E 16 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.38E 01	0.00E-01	5.64E-09	0.00E-01	1.01E 00	0.00E-01
500.	-3.22E-02	1.37E 01	5.02E-01	5.63E-09	2.91E-10	1.01E 00	1.57E-02
1000.	-6.44E-02	1.37E 01	9.99E-01	5.59E-09	5.79E-10	1.01E 00	3.15E-02
2500.	-1.61E-01	1.33E 01	2.43E 00	5.35E-09	1.40E-09	1.00E 00	7.82E-02
5000.	-3.22E-01	1.21E 01	4.42E 00	4.59E-09	2.51E-09	9.87E-01	1.54E-01
7500.	-4.83E-01	1.06E 01	5.77E 00	3.61E-09	3.19E-09	9.58E-01	2.24E-01
10000.	-6.44E-01	8.97E 00	6.51E 00	2.62E-09	3.46E-09	9.21E-01	2.87E-01
25000.	-1.61E 00	3.25E 00	5.75E 00	-2.86E-10	2.14E-09	6.29E-01	4.90E-01
50000.	-3.22E 00	1.04E 00	3.53E 00	-5.33E-10	6.36E-10	2.95E-01	4.59E-01
100000.	-6.44E 00	2.87E-01	1.89E 00	-2.19E-10	1.13E-10	9.44E-02	2.94E-01
150000.	-9.67E 00	1.31E-01	1.28E 00	-1.08E-10	3.61E-11	4.43E-02	2.07E-01

P= 5.000 T= 10000. NTOT=3.67E 18 DEBYE=3.70E-06 LAMBDA=8.85E 01 LNLMBD= 4.48
N1=3.48288E 16 N2=3.60009E 18 N3=3.48288E 16 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.37E 01	0.00E-01	2.88E-08	0.00E-01	2.07E 00	0.00E-01
500.	-1.78E-02	2.37E 01	5.31E-01	2.88E-08	8.64E-10	2.07E 00	2.15E-02
1000.	-3.56E-02	2.36E 01	1.06E 00	2.87E-08	1.72E-09	2.07E 00	4.30E-02
2500.	-8.90E-02	2.34E 01	2.62E 00	2.83E-08	4.26E-09	2.06E 00	1.07E-01
5000.	-1.78E-01	2.25E 01	5.05E 00	2.68E-08	8.16E-09	2.05E 00	2.13E-01
7500.	-2.67E-01	2.12E 01	7.14E 00	2.45E-08	1.14E-08	2.02E 00	3.15E-01
10000.	-3.56E-01	1.97E 01	8.80E 00	2.18E-08	1.40E-08	1.98E 00	4.12E-01
25000.	-8.90E-01	1.06E 01	1.16E 01	6.63E-09	1.64E-08	1.62E 00	8.36E-01
50000.	-1.78E 00	4.17E 00	8.73E 00	-1.64E-09	9.19E-09	1.01E 00	1.01E 00
100000.	-3.56E 00	1.32E 00	5.12E 00	-2.31E-09	2.78E-09	4.15E-01	8.08E-01
150000.	-5.34E 00	6.35E-01	3.56E 00	-1.49E-09	1.09E-09	2.13E-01	6.11E-01

P= 5.000 T= 11000. NTOT=3.34E 18 DEBYE=2.54E-06 LAMBDA=6.70E 01 LNLMBD= 4.20
N1=8.09266E 16 N2=3.17428E 18 N3=8.09266E 16 N4=2.35661E 09 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.50E 01	0.00E-01	6.65E-08	0.00E-01	3.69E 00	0.00E-01
500.	-1.06E-02	3.50E 01	5.10E-01	6.65E-08	1.31E-09	3.69E 00	2.86E-02
1000.	-2.12E-02	3.50E 01	1.02E 00	6.64E-08	2.62E-09	3.68E 00	5.72E-02
2500.	-5.31E-02	3.48E 01	2.54E 00	6.60E-08	6.52E-09	3.68E 00	1.43E-01
5000.	-1.06E-01	3.43E 01	4.99E 00	6.44E-08	1.28E-08	3.66E 00	2.84E-01
7500.	-1.59E-01	3.34E 01	7.28E 00	6.19E-08	1.86E-08	3.63E 00	4.23E-01
10000.	-2.12E-01	3.22E 01	9.37E 00	5.87E-08	2.38E-08	3.59E 00	5.57E-01
25000.	-5.31E-01	2.29E 01	1.64E 01	3.31E-08	3.92E-08	3.19E 00	1.22E 00
50000.	-1.06E 00	1.15E 01	1.60E 01	5.84E-09	3.22E-08	2.31E 00	1.71E 00
100000.	-2.12E 00	4.18E 00	1.07E 01	-5.27E-09	1.45E-08	1.19E 00	1.62E 00
150000.	-3.18E 00	2.14E 00	7.78E 00	-5.19E-09	7.07E-09	6.90E-01	1.34E 00

P= 5.000 T= 12000. NTOT=3.06E 18 DEBYE=1.88E-06 LAMBDA=5.39E 01 LNLMBD= 3.99
N1=1.62206E 17 N2=2.73371E 18 N3=1.62206E 17 N4=3.22284E 10 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.69E 01	0.00E-01	1.19E-07	0.00E-01	5.84E 00	0.00E-01
500.	-6.73E-03	4.69E 01	4.65E-01	1.19E-07	1.64E-09	5.84E 00	3.49E-02
1000.	-1.35E-02	4.69E 01	9.29E-01	1.19E-07	3.29E-09	5.84E 00	6.98E-02
2500.	-3.36E-02	4.68E 01	2.32E 00	1.19E-07	8.20E-09	5.83E 00	1.74E-01
5000.	-6.73E-02	4.64E 01	4.60E 00	1.18E-07	1.62E-08	5.82E 00	3.47E-01
7500.	-1.01E-01	4.59E 01	6.81E 00	1.15E-07	2.40E-08	5.79E 00	5.18E-01
10000.	-1.35E-01	4.51E 01	8.92E 00	1.12E-07	3.13E-08	5.75E 00	6.86E-01
25000.	-3.36E-01	3.76E 01	1.84E 01	8.30E-08	6.21E-08	5.33E 00	1.58E 00
50000.	-6.73E-01	2.39E 01	2.29E 01	3.44E-08	6.86E-08	4.28E 00	2.46E 00
100000.	-1.35E 00	1.02E 01	1.86E 01	-2.37E-09	4.21E-08	2.55E 00	2.69E 00
150000.	-2.02E 00	5.55E 00	1.42E 01	-8.86E-09	2.47E-08	1.64E 00	2.39E 00

P= 5.000 T= 13000. NTOT=2.82E 18 DEBYE=1.48E-06 LAMBDA=4.59E 01 LNLMBD= 3.83
N1=2.83983E 17 N2=2.25492E 18 N3=2.83983E 17 N4=2.98595E 11 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.95E 01	0.00E-01	1.87E-07	0.00E-01	8.55E 00	0.00E-01
500.	-4.71E-03	5.95E 01	4.33E-01	1.87E-07	1.94E-09	8.55E 00	4.11E-02
1000.	-9.41E-03	5.94E 01	8.65E-01	1.87E-07	3.88E-09	8.55E 00	8.22E-02
2500.	-2.35E-02	5.94E 01	2.16E 00	1.86E-07	9.69E-09	8.55E 00	2.05E-01
5000.	-4.71E-02	5.91E 01	4.30E 00	1.85E-07	1.93E-08	8.53E 00	4.10E-01
7500.	-7.06E-02	5.87E 01	6.41E 00	1.83E-07	2.87E-08	8.51E 00	6.13E-01
10000.	-9.41E-02	5.82E 01	8.46E 00	1.80E-07	3.77E-08	8.47E 00	8.13E-01
25000.	-2.35E-01	5.23E 01	1.89E 01	1.51E-07	8.20E-08	8.05E 00	1.92E 00
50000.	-4.71E-01	3.89E 01	2.76E 01	8.67E-08	1.09E-07	6.89E 00	3.22E 00
100000.	-9.41E-01	1.99E 01	2.70E 01	1.39E-08	8.53E-08	4.55E 00	3.96E 00
150000.	-1.41E 00	1.15E 01	2.22E 01	-7.29E-09	5.67E-08	3.10E 00	3.73E 00

P= 5.000 T= 14000. NTOT=2.62E 18 DEBYE=1.23E-06 LAMBDA=4.13E 01 LNLMBD= 3.72
N1=4.38899E 17 N2=1.74345E 18 N3=4.38895E 17 N4=2.02527E 12 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	7.20E 01	0.00E-01	2.66E-07	0.00E-01	1.17E 01	0.00E-01
500.	-3.59E-03	7.20E 01	4.16E-01	2.66E-07	2.24E-09	1.17E 01	4.74E-02
1000.	-7.19E-03	7.20E 01	8.31E-01	2.66E-07	4.49E-09	1.17E 01	9.48E-02
2500.	-1.80E-02	7.19E 01	2.08E 00	2.66E-07	1.12E-08	1.17E 01	2.37E-01
5000.	-3.59E-02	7.17E 01	4.14E 00	2.65E-07	2.23E-08	1.17E 01	4.73E-01
7500.	-5.39E-02	7.14E 01	6.18E 00	2.63E-07	3.33E-08	1.16E 01	7.08E-01
10000.	-7.19E-02	7.10E 01	8.19E 00	2.60E-07	4.40E-08	1.16E 01	9.40E-01
25000.	-1.80E-01	6.62E 01	1.90E 01	2.30E-07	1.00E-07	1.12E 01	2.26E 00
50000.	-3.59E-01	5.38E 01	3.05E 01	1.57E-07	1.49E-07	9.95E 00	3.95E 00
100000.	-7.19E-01	3.16E 01	3.45E 01	4.65E-08	1.39E-07	7.09E 00	5.32E 00
150000.	-1.08E 00	1.94E 01	3.04E 01	3.13E-09	1.02E-07	5.03E 00	5.27E 00

P= 5.000 T= 15000. NTOT=2.45E 18 DEBYE=1.09E-06 LAMBDA=3.91E 01 LNLMBD= 3.67
N1=6.03287E 17 N2=1.23993E 18 N3=6.03266E 17 N4=1.06411E 13 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	8.40E 01	0.00E-01	3.54E-07	0.00E-01	1.51E 01	0.00E-01
500.	-2.99E-03	8.39E 01	4.16E-01	3.54E-07	2.60E-09	1.51E 01	5.46E-02
1000.	-5.98E-03	8.39E 01	8.32E-01	3.54E-07	5.21E-09	1.51E 01	1.09E-01
2500.	-1.50E-02	8.39E 01	2.08E 00	3.54E-07	1.30E-08	1.51E 01	2.73E-01
5000.	-2.99E-02	8.37E 01	4.15E 00	3.52E-07	2.59E-08	1.51E 01	5.46E-01
7500.	-4.49E-02	8.35E 01	6.20E 00	3.50E-07	3.87E-08	1.50E 01	8.17E-01
10000.	-5.98E-02	8.31E 01	8.23E 00	3.48E-07	5.13E-08	1.50E 01	1.09E 00
25000.	-1.50E-01	7.89E 01	1.95E 01	3.17E-07	1.19E-07	1.46E 01	2.63E 00
50000.	-2.99E-01	6.71E 01	3.27E 01	2.34E-07	1.88E-07	1.32E 01	4.71E 00
100000.	-5.98E-01	4.31E 01	4.04E 01	8.92E-08	1.96E-07	9.86E 00	6.71E 00
150000.	-8.97E-01	2.79E 01	3.77E 01	2.08E-08	1.53E-07	7.21E 00	6.89E 00

P= 5.000 T= 16000. NTOT=2.29E 18 DEBYE=1.01E-06 LAMBDA=3.88E 01 LNLMBD= 3.66
N1=7.43243E 17 N2=8.07151E 17 N3=7.43153E 17 N4=4.52402E 13 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	9.49E 01	0.00E-01	4.46E-07	0.00E-01	1.86E 01	0.00E-01
500.	-2.70E-03	9.49E 01	4.35E-01	4.46E-07	3.07E-09	1.86E 01	6.38E-02
1000.	-5.41E-03	9.49E 01	8.71E-01	4.46E-07	6.13E-09	1.86E 01	1.28E-01
2500.	-1.35E-02	9.49E 01	2.18E 00	4.45E-07	1.53E-08	1.86E 01	3.19E-01
5000.	-2.70E-02	9.47E 01	4.34E 00	4.44E-07	3.06E-08	1.85E 01	6.37E-01
7500.	-4.06E-02	9.45E 01	6.50E 00	4.42E-07	4.57E-08	1.85E 01	9.54E-01
10000.	-5.41E-02	9.41E 01	8.63E 00	4.39E-07	6.05E-08	1.85E 01	1.27E 00
25000.	-1.35E-01	9.00E 01	2.05E 01	4.04E-07	1.42E-07	1.80E 01	3.08E 00
50000.	-2.70E-01	7.81E 01	3.52E 01	3.09E-07	2.30E-07	1.65E 01	5.58E 00
100000.	-5.41E-01	5.23E 01	4.54E 01	1.30E-07	2.51E-07	1.25E 01	8.14E 00
150000.	-8.11E-01	3.48E 01	4.36E 01	3.84E-08	2.02E-07	9.28E 00	8.51E 00

P= 5.000 T= 17000. NTOT=2.16E 18 DEBYE=9.85E-07 LAMBDA=4.01E 01 LNLMBD= 3.69
N1=8.34890E 17 N2=4.89057E 17 N3=8.34568E 17 N4=1.61381E 14 N5=1.37865E 06

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.05E 02	0.00E-01	5.37E-07	0.00E-01	2.20E 01	0.00E-01
500.	-2.62E-03	1.05E 02	4.74E-01	5.37E-07	3.67E-09	2.20E 01	7.56E-02
1000.	-5.24E-03	1.05E 02	9.47E-01	5.37E-07	7.34E-09	2.20E 01	1.51E-01
2500.	-1.31E-02	1.05E 02	2.37E 00	5.36E-07	1.83E-08	2.20E 01	3.78E-01
5000.	-2.62E-02	1.04E 02	4.73E 00	5.35E-07	3.66E-08	2.19E 01	7.55E-01
7500.	-3.93E-02	1.04E 02	7.07E 00	5.32E-07	5.46E-08	2.19E 01	1.13E 00
10000.	-5.24E-02	1.04E 02	9.38E 00	5.28E-07	7.24E-08	2.19E 01	1.50E 00
25000.	-1.31E-01	9.93E 01	2.24E 01	4.87E-07	1.70E-07	2.13E 01	3.65E 00
50000.	-2.62E-01	8.64E 01	3.84E 01	3.73E-07	2.75E-07	1.95E 01	6.61E 00
100000.	-5.24E-01	5.83E 01	4.99E 01	1.59E-07	3.02E-07	1.48E 01	9.64E 00
150000.	-7.86E-01	3.90E 01	4.81E 01	4.86E-08	2.44E-07	1.10E 01	1.01E 01

P= 5.000 T= 18000. NTOT=2.04E 18 DEBYE=9.89E-07 LAMBDA=4.26E 01 LNLMBD= 3.75
N1=8.76653E 17 N2=2.85938E 17 N3=8.75657E 17 N4=4.98156E 14 N5=2.08243E 07

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.13E 02	0.00E-01	6.25E-07	0.00E-01	2.53E 01	0.00E-01
500.	-2.67E-03	1.13E 02	5.29E-01	6.25E-07	4.43E-09	2.53E 01	9.06E-02
1000.	-5.34E-03	1.13E 02	1.06E 00	6.25E-07	8.85E-09	2.53E 01	1.81E-01
2500.	-1.34E-02	1.13E 02	2.64E 00	6.25E-07	2.21E-08	2.53E 01	4.53E-01
5000.	-2.67E-02	1.13E 02	5.27E 00	6.23E-07	4.41E-08	2.52E 01	9.04E-01
7500.	-4.01E-02	1.12E 02	7.89E 00	6.19E-07	6.59E-08	2.52E 01	1.35E 00
10000.	-5.34E-02	1.12E 02	1.05E 01	6.15E-07	8.73E-08	2.51E 01	1.80E 00
25000.	-1.34E-01	1.07E 02	2.49E 01	5.63E-07	2.04E-07	2.44E 01	4.36E 00
50000.	-2.67E-01	9.23E 01	4.23E 01	4.24E-07	3.26E-07	2.22E 01	7.83E 00
100000.	-5.34E-01	6.14E 01	5.39E 01	1.73E-07	3.48E-07	1.66E 01	1.12E 01
150000.	-8.02E-01	4.07E 01	5.15E 01	4.86E-08	2.76E-07	1.22E 01	1.15E 01

P= 5.000 T= 19000. NTOT=1.93E 18 DEBYE=1.01E-06 LAMBDA=4.61E 01 LNLMBD= 3.83
N1=8.82416E 17 N2=1.67979E 17 N3=8.79688E 17 N4=1.36410E 15 N5=2.44800E 08

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.20E 02	0.00E-01	7.11E-07	0.00E-01	2.85E 01	0.00E-01
500.	-2.81E-03	1.20E 02	5.98E-01	7.11E-07	5.35E-09	2.85E 01	1.09E-01
1000.	-5.61E-03	1.20E 02	1.20E 00	7.11E-07	1.07E-08	2.85E 01	2.17E-01
2500.	-1.40E-02	1.20E 02	2.99E 00	7.10E-07	2.67E-08	2.85E 01	5.43E-01
5000.	-2.81E-02	1.20E 02	5.96E 00	7.07E-07	5.33E-08	2.84E 01	1.09E 00
7500.	-4.21E-02	1.20E 02	8.91E 00	7.03E-07	7.95E-08	2.84E 01	1.62E 00
10000.	-5.61E-02	1.19E 02	1.18E 01	6.97E-07	1.05E-07	2.83E 01	2.16E 00
25000.	-1.40E-01	1.13E 02	2.79E 01	6.32E-07	2.43E-07	2.74E 01	5.21E 00
50000.	-2.81E-01	9.61E 01	4.66E 01	4.61E-07	3.80E-07	2.46E 01	9.24E 00
100000.	-5.61E-01	6.21E 01	5.75E 01	1.72E-07	3.86E-07	1.80E 01	1.28E 01
150000.	-8.42E-01	4.05E 01	5.38E 01	4.05E-08	2.98E-07	1.29E 01	1.29E 01

P= 5.000 T= 20000. NTOT=1.83E 18 DEBYE=1.05E-06 LAMBDA=5.02E 01 LNLMBD= 3.92
N1=8.67765E 17 N2=1.02718E 17 N3=8.61015E 17 N4=3.37527E 15 N5=2.30506E 09

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.27E 02	0.00E-01	7.95E-07	0.00E-01	3.17E 01	0.00E-01
500.	-2.99E-03	1.27E 02	6.77E-01	7.95E-07	6.43E-09	3.16E 01	1.30E-01
1000.	-5.98E-03	1.27E 02	1.35E 00	7.94E-07	1.29E-08	3.16E 01	2.60E-01
2500.	-1.50E-02	1.27E 02	3.38E 00	7.93E-07	3.21E-08	3.16E 01	6.50E-01
5000.	-2.99E-02	1.27E 02	6.75E 00	7.90E-07	6.40E-08	3.16E 01	1.30E 00
7500.	-4.49E-02	1.26E 02	1.01E 01	7.85E-07	9.54E-08	3.15E 01	1.94E 00
10000.	-5.98E-02	1.25E 02	1.34E 01	7.77E-07	1.26E-07	3.14E 01	2.58E 00
25000.	-1.50E-01	1.18E 02	3.13E 01	6.94E-07	2.88E-07	3.03E 01	6.19E 00
50000.	-2.99E-01	9.84E 01	5.11E 01	4.85E-07	4.36E-07	2.68E 01	1.08E 01
100000.	-5.98E-01	6.13E 01	6.05E 01	1.61E-07	4.18E-07	1.89E 01	1.44E 01
150000.	-8.97E-01	3.92E 01	5.53E 01	2.77E-08	3.12E-07	1.34E 01	1.41E 01

P= 5.000 T= 21000. NTOT=1.75E 18 DEBYE=1.09E-06 LAMBDA=5.47E 01 LNLMBD= 4.00
N1=8.44891E 17 N2=6.53586E 16 N3=8.29608E 17 N4=7.64157E 15 N5=1.77691E 10

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.33E 02	0.00E-01	8.78E-07	0.00E-01	3.48E 01	0.00E-01
500.	-3.20E-03	1.33E 02	7.63E-01	8.78E-07	7.65E-09	3.48E 01	1.55E-01
1000.	-6.39E-03	1.33E 02	1.53E 00	8.78E-07	1.53E-08	3.48E 01	3.09E-01
2500.	-1.60E-02	1.33E 02	3.81E 00	8.77E-07	3.82E-08	3.48E 01	7.73E-01
5000.	-3.20E-02	1.32E 02	7.60E 00	8.73E-07	7.61E-08	3.48E 01	1.54E 00
7500.	-4.79E-02	1.32E 02	1.13E 01	8.66E-07	1.13E-07	3.47E 01	2.31E 00
10000.	-6.39E-02	1.31E 02	1.50E 01	8.56E-07	1.50E-07	3.45E 01	3.06E 00
25000.	-1.60E-01	1.22E 02	3.48E 01	7.52E-07	3.37E-07	3.31E 01	7.29E 00
50000.	-3.20E-01	9.96E 01	5.54E 01	5.00E-07	4.92E-07	2.88E 01	1.25E 01
100000.	-6.39E-01	5.97E 01	6.29E 01	1.46E-07	4.43E-07	1.97E 01	1.60E 01
150000.	-9.59E-01	3.74E 01	5.62E 01	1.35E-08	3.21E-07	1.37E 01	1.53E 01

P= 5.000 T= 22000. NTOT=1.67E 18 DEBYE=1.13E-06 LAMBDA=5.95E 01 LNLMBD= 4.09
N1=8.20132E 17 N2=4.37404E 16 N3=7.88260E 17 N4=1.59366E 16 N5=1.14110E 11

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.38E 02	0.00E-01	9.61E-07	0.00E-01	3.80E 01	0.00E-01
500.	-3.40E-03	1.38E 02	8.47E-01	9.61E-07	8.98E-09	3.80E 01	1.82E-01
1000.	-6.80E-03	1.38E 02	1.69E 00	9.61E-07	1.80E-08	3.80E 01	3.64E-01
2500.	-1.70E-02	1.38E 02	4.23E 00	9.60E-07	4.48E-08	3.80E 01	9.08E-01
5000.	-3.40E-02	1.37E 02	8.44E 00	9.54E-07	8.93E-08	3.79E 01	1.81E 00
7500.	-5.10E-02	1.37E 02	1.26E 01	9.46E-07	1.33E-07	3.78E 01	2.71E 00
10000.	-6.80E-02	1.36E 02	1.66E 01	9.33E-07	1.75E-07	3.76E 01	3.60E 00
25000.	-1.70E-01	1.25E 02	3.81E 01	8.05E-07	3.89E-07	3.58E 01	8.50E 00
50000.	-3.40E-01	9.98E 01	5.92E 01	5.09E-07	5.47E-07	3.06E 01	1.42E 01
100000.	-6.80E-01	5.78E 01	6.46E 01	1.29E-07	4.65E-07	2.02E 01	1.75E 01
150000.	-1.02E 00	3.55E 01	5.65E 01	-1.59E-10	3.28E-07	1.38E 01	1.63E 01

P= 5.000 T= 23000. NTOT=1.60E 18 DEBYE=1.17E-06 LAMBDA=6.45E 01 LNLMBD= 4.17
N1=7.97880E 17 N2=3.04488E 16 N3=7.36549E 17 N4=3.06651E 16 N5=6.16915E 11

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.43E 02	0.00E-01	1.06E-06	0.00E-01	4.17E 01	0.00E-01
500.	-3.60E-03	1.43E 02	9.36E-01	1.06E-06	1.06E-08	4.16E 01	2.15E-01
1000.	-7.21E-03	1.43E 02	1.87E 00	1.05E-06	2.12E-08	4.16E 01	4.29E-01
2500.	-1.80E-02	1.42E 02	4.67E 00	1.05E-06	5.28E-08	4.16E 01	1.07E 00
5000.	-3.60E-02	1.42E 02	9.31E 00	1.05E-06	1.05E-07	4.15E 01	2.14E 00
7500.	-5.41E-02	1.41E 02	1.39E 01	1.04E-06	1.56E-07	4.14E 01	3.20E 00
10000.	-7.21E-02	1.40E 02	1.83E 01	1.02E-06	2.06E-07	4.12E 01	4.24E 00
25000.	-1.80E-01	1.28E 02	4.15E 01	8.60E-07	4.49E-07	3.89E 01	9.93E 00
50000.	-3.60E-01	9.97E 01	6.27E 01	5.14E-07	6.06E-07	3.26E 01	1.63E 01
100000.	-7.21E-01	5.59E 01	6.59E 01	1.09E-07	4.85E-07	2.08E 01	1.91E 01
150000.	-1.08E 00	3.38E 01	5.66E 01	-1.48E-08	3.33E-07	1.40E 01	1.74E 01

P= 5.000 T= 24000. NTOT=1.53E 18 DEBYE=1.21E-06 LAMBDA=6.95E 01 LNLMBD= 4.24
N1=7.80822E 17 N2=2.17200E 16 N3=6.72219E 17 N4=5.42975E 16 N5=2.82295E 12

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.44E 02	0.00E-01	1.13E-06	0.00E-01	4.47E 01	0.00E-01
500.	-3.70E-03	1.44E 02	9.83E-01	1.13E-06	1.18E-08	4.47E 01	2.43E-01
1000.	-7.40E-03	1.44E 02	1.97E 00	1.13E-06	2.37E-08	4.47E 01	4.86E-01
2500.	-1.85E-02	1.44E 02	4.91E 00	1.13E-06	5.90E-08	4.46E 01	1.21E 00
5000.	-3.70E-02	1.44E 02	9.77E 00	1.12E-06	1.17E-07	4.45E 01	2.42E 00
7500.	-5.55E-02	1.43E 02	1.46E 01	1.11E-06	1.74E-07	4.43E 01	3.61E 00
10000.	-7.40E-02	1.41E 02	1.92E 01	1.09E-06	2.30E-07	4.41E 01	4.79E 00
25000.	-1.85E-01	1.29E 02	4.32E 01	9.06E-07	4.95E-07	4.14E 01	1.11E 01
50000.	-3.70E-01	9.87E 01	6.42E 01	5.22E-07	6.50E-07	3.41E 01	1.79E 01
100000.	-7.40E-01	5.43E 01	6.60E 01	9.99E-08	5.03E-07	2.12E 01	2.04E 01
150000.	-1.11E 00	3.26E 01	5.62E 01	-2.25E-08	3.41E-07	1.42E 01	1.83E 01

P= 5.000 T= 25000. NTOT=1.47E 18 DEBYE=1.24E-06 LAMBDA=7.44E 01 LNLMBD= 4.31
N1=7.70149E 17 N2=1.56872E 16 N3=5.93986E 17 N4=8.80652E 16 N5=1.09627E 13

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.44E 02	0.00E-01	1.20E-06	0.00E-01	4.75E 01	0.00E-01
500.	-3.72E-03	1.44E 02	9.99E-01	1.20E-06	1.29E-08	4.75E 01	2.69E-01
1000.	-7.43E-03	1.44E 02	2.00E 00	1.20E-06	2.57E-08	4.75E 01	5.37E-01
2500.	-1.86E-02	1.44E 02	4.99E 00	1.20E-06	6.42E-08	4.74E 01	1.34E 00
5000.	-3.72E-02	1.43E 02	9.94E 00	1.19E-06	1.28E-07	4.73E 01	2.68E 00
7500.	-5.57E-02	1.42E 02	1.48E 01	1.17E-06	1.90E-07	4.71E 01	4.00E 00
10000.	-7.43E-02	1.41E 02	1.95E 01	1.15E-06	2.49E-07	4.68E 01	5.29E 00
25000.	-1.86E-01	1.28E 02	4.37E 01	9.51E-07	5.33E-07	4.37E 01	1.22E 01
50000.	-3.72E-01	9.75E 01	6.44E 01	5.36E-07	6.89E-07	3.56E 01	1.94E 01
100000.	-7.43E-01	5.33E 01	6.55E 01	9.69E-08	5.23E-07	2.17E 01	2.15E 01
150000.	-1.11E 00	3.20E 01	5.56E 01	-2.66E-08	3.52E-07	1.44E 01	1.91E 01

P= 5.000 T= 26000. NTOT=1.41E 18 DEBYE=1.27E-06 LAMBDA=7.92E 01 LNLMBD= 4.37
N1=7.65371E 17 N2=1.12666E 16 N3=5.04275E 17 N4=1.30494E 17 N5=3.63087E 13

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.43E 02	0.00E-01	1.26E-06	0.00E-01	5.01E 01	0.00E-01
500.	-3.66E-03	1.43E 02	9.91E-01	1.26E-06	1.37E-08	5.01E 01	2.92E-01
1000.	-7.33E-03	1.42E 02	1.98E 00	1.26E-06	2.74E-08	5.01E 01	5.84E-01
2500.	-1.83E-02	1.42E 02	4.95E 00	1.26E-06	6.83E-08	5.01E 01	1.46E 00
5000.	-3.66E-02	1.42E 02	9.85E 00	1.25E-06	1.36E-07	4.99E 01	2.91E 00
7500.	-5.50E-02	1.41E 02	1.47E 01	1.23E-06	2.02E-07	4.97E 01	4.34E 00
10000.	-7.33E-02	1.40E 02	1.94E 01	1.21E-06	2.65E-07	4.94E 01	5.74E 00
25000.	-1.83E-01	1.26E 02	4.32E 01	9.96E-07	5.64E-07	4.59E 01	1.32E 01
50000.	-3.66E-01	9.64E 01	6.35E 01	5.56E-07	7.23E-07	3.71E 01	2.07E 01
100000.	-7.33E-01	5.29E 01	6.47E 01	1.00E-07	5.45E-07	2.23E 01	2.26E 01
150000.	-1.10E 00	3.18E 01	5.49E 01	-2.76E-08	3.67E-07	1.48E 01	1.99E 01

P= 10.000 T= 3000. NTOT=2.45E 19 DEBYE=8.90E-02 LAMBDA=6.39E 05 LNLMBD=13.37
N1=1.80331E 07 N2=2.44650E 19 N3=1.80331E 07 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.89E-07	0.00E-01	-2.88E-16	0.00E-01	2.98E-09	0.00E-01
500.	-1.07E-01	1.42E-07	7.29E-08	-1.92E-16	- 38E-16	2.71E-09	6.51E-10
1000.	-2.14E-01	1.00E-07	8.16E-08	-1.12E-16	-9.42E-16	2.30E-09	9.19E-10
2500.	-5.36E-01	4.23E-08	6.07E-08	-2.57E-17	-8.27E-17	1.60E-09	1.04E-09
5000.	-1.07E 00	1.77E-08	3.97E-08	5.77E-18	-4.40E-17	1.23E-09	9.63E-10
7500.	-1.61E 00	1.07E-08	2.95E-08	9.90E-18	-2.54E-17	8.97E-10	8.67E-10
10000.	-2.14E 00	7.33E-09	2.37E-08	9.37E-18	-1.59E-17	6.65E-10	8.17E-10
25000.	-5.36E 00	1.75E-09	1.09E-08	3.55E-18	-2.60E-18	2.04E-10	4.92E-10
50000.	-1.07E 01	4.97E-10	5.67E-09	1.22E-18	-5.21E-19	7.36E-11	2.88E-10
100000.	-2.14E 01	1.32E-10	2.87E-09	3.54E-19	-8.13E-20	2.21E-11	1.55E-10
150000.	-3.21E 01	5.92E-11	1.92E-09	1.63E-19	-2.53E-20	1.02E-11	1.06E-10

P= 10.000 T= 4000. NTOT=1.83E 19 DEBYE=2.18E-03 LAMBDA=2.08E 04 LNLMBD= 9.94
N1=4.02563E 10 N2=1.83487E 19 N3=4.02563E 10 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.02E-04	0.00E-01	-9.61E-13	0.00E-01	7.87E-06	0.00E-01
500.	-8.32E-02	2.77E-04	1.59E-04	-5.67E-13	-4.62E-13	7.09E-06	1.69E-06
1000.	-1.66E-01	2.01E-04	1.59E-04	-3.30E-13	-4.26E-13	6.05E-06	2.36E-06
2500.	-4.16E-01	9.38E-05	1.19E-04	-1.01E-13	-2.35E-13	4.10E-06	2.65E-06
5000.	-8.32E-01	4.04E-05	8.10E-05	2.79E-15	-1.38E-13	3.35E-06	2.47E-06
7500.	-1.25E 00	2.50E-05	6.08E-05	2.27E-14	-8.50E-14	2.60E-06	2.26E-06
10000.	-1.66E 00	1.77E-05	4.92E-05	2.53E-14	-5.56E-14	2.00E-06	2.10E-06
25000.	-4.16E 00	4.73E-06	2.37E-05	1.18E-14	-9.93E-15	6.46E-07	1.38E-06
50000.	-8.32E 00	1.40E-06	1.25E-05	4.26E-15	-2.10E-15	2.44E-07	8.25E-07
100000.	-1.66E 01	3.75E-07	6.40E-06	1.28E-15	-3.49E-16	7.72E-08	4.55E-07
150000.	-2.49E 01	1.70E-07	4.28E-06	5.98E-16	-1.11E-16	3.65E-08	3.12E-07

P= 10.000 T= 5000. NTOT=1.47E 19 DEBYE=2.39E-04 LAMBDA=2.86E 03 LNLMBD= 7.96
N1=4.17296E 12 N2=1.46790E 19 N3=4.17296E 12 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.63E-02	0.00E-01	-1.13E-10	0.00E-01	8.18E-04	0.00E-01
500.	-6.91E-02	2.52E-02	1.38E-02	-6.88E-11	-5.24E-11	8.03E-04	2.37E-05
1000.	-1.38E-01	1.83E-02	1.40E-02	-3.85E-11	-5.00E-11	7.09E-04	2.37E-04
2500.	-3.45E-01	9.89E-03	1.04E-02	-1.57E-11	-2.65E-11	4.64E-04	2.94E-04
5000.	-6.91E-01	4.45E-03	7.74E-03	-1.67E-12	-1.76E-11	3.97E-04	2.82E-04
7500.	-1.04E 00	2.74E-03	5.92E-03	1.77E-12	-1.15E-11	3.22E-04	2.62E-04
10000.	-1.38E 00	1.96E-03	4.83E-03	2.63E-12	-7.82E-12	2.57E-04	2.35E-04
25000.	-3.45E 00	5.59E-04	2.39E-03	1.58E-12	-1.53E-12	8.82E-05	1.69E-04
50000.	-6.91E 00	1.70E-04	1.29E-03	6.03E-13	-3.38E-13	3.41E-05	1.03E-04
100000.	-1.38E 01	4.63E-05	6.61E-04	1.89E-13	-5.91E-14	1.13E-05	5.81E-05
150000.	-2.07E 01	2.11E-05	4.43E-04	8.91E-14	-1.92E-14	5.43E-06	4.01E-05

P= 10.000 T= 6000. NTOT=1.22E 19 DEBYE=5.54E-05 LAMBDA=7.96E 02 LNLMBD= 6.68
N1=9.30964E 13 N2=1.22323E 19 N3=9.30964E 13 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.82E-01	0.00E-01	-1.37E-09	0.00E-01	1.17E-02	0.00E-01
500.	-5.86E-02	4.31E-01	1.28E-01	-1.22E-09	-4.31E-10	1.19E-02	4.46E-04
1000.	-1.17E-01	3.24E-01	1.84E-01	-7.77E-10	-6.48E-10	1.22E-02	7.91E-04
2500.	-2.93E-01	2.20E-01	1.66E-01	-4.46E-10	-4.96E-10	1.06E-02	3.11E-03
5000.	-5.86E-01	1.12E-01	1.51E-01	-1.16E-10	-4.14E-10	9.48E-03	4.76E-03
7500.	-8.79E-01	6.93E-02	1.23E-01	-8.99E-13	-2.96E-10	8.06E-03	5.83E-03
10000.	-1.17E 00	4.88E-02	1.02E-01	3.96E-11	-2.12E-10	6.71E-03	5.21E-03
25000.	-2.93E 00	1.41E-02	5.21E-02	4.02E-11	-4.66E-11	2.52E-03	4.23E-03
50000.	-5.86E 00	4.38E-03	2.85E-02	1.67E-11	-1.07E-11	9.91E-04	2.68E-03
100000.	-1.17E 01	1.21E-03	1.47E-02	5.44E-12	-1.95E-12	3.37E-04	1.53E-03
150000.	-1.76E 01	5.52E-04	9.88E-03	2.61E-12	-6.43E-13	1.64E-04	1.06E-03

P= 10.000 T= 7000. NTOT=1.05E 19 DEBYE=1.96E-05 LAMBDA=3.29E 02 LNLMBD= 5.80
N1=8.63458E 14 N2=1.04833E 19 N3=8.63458E 14 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.09E 00	0.00E-01	-4.02E-09	0.00E-01	8.90E-02	0.00E-01
500.	-4.70E-02	2.07E 00	2.07E-01	-3.97E-09	-4.91E-10	8.89E-02	2.57E-03
1000.	-9.41E-02	1.83E 00	3.97E-01	-3.79E-09	-9.50E-10	8.86E-02	5.12E-03
2500.	-2.35E-01	1.62E 00	6.27E-01	-3.15E-09	-1.74E-09	8.70E-02	1.26E-02
5000.	-4.70E-01	1.16E 00	8.76E-01	-1.80E-09	-2.31E-09	8.18E-02	2.35E-02
7500.	-7.05E-01	8.11E-01	8.82E-01	-8.20E-10	-2.15E-09	7.45E-02	3.22E-02
10000.	-9.41E-01	5.87E-01	8.15E-01	-2.58E-10	-1.80E-09	6.63E-02	3.75E-02
25000.	-2.35E 00	1.62E-01	4.68E-01	2.98E-10	-5.30E-10	3.07E-02	3.97E-02
50000.	-4.70E 00	5.03E-02	2.61E-01	1.59E-10	-1.32E-10	1.24E-02	2.76E-02
100000.	-9.41E 00	1.39E-02	1.36E-01	5.66E-11	-2.51E-11	4.24E-03	1.63E-02
150000.	-1.41E 01	6.36E-03	9.14E-02	2.78E-11	-8.40E-12	2.07E-03	1.14E-02

P= 10.000 T= 8000. NTOT=9.17E 18 DEBYE=9.07E-06 LAMBDA=1.74E 02 LNLMBD= 5.16
N1=4.62832E 15 N2=9.16512E 18 N3=4.62832E 15 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.43E 00	0.00E-01	-5.82E-09	0.00E-01	3.44E-01	0.00E-01
500.	-3.29E-02	5.42E 00	2.46E-01	-5.80E-09	-3.00E-10	3.44E-01	5.81E-03
1000.	-6.59E-02	5.39E 00	4.88E-01	-5.77E-09	-5.97E-10	3.44E-01	1.16E-02
2500.	-1.65E-01	5.24E 00	9.88E-01	-5.51E-09	-1.46E-09	3.42E-01	2.89E-02
5000.	-3.29E-01	4.74E 00	1.79E 00	-4.70E-09	-2.59E-09	3.34E-01	5.64E-02
7500.	-4.94E-01	4.10E 00	2.31E 00	-3.68E-09	-3.25E-09	3.23E-01	8.15E-02
10000.	-6.59E-01	3.46E 00	2.59E 00	-2.67E-09	-3.51E-09	3.08E-01	1.03E-01
25000.	-1.65E 00	1.22E 00	2.23E 00	1.82E-10	-2.16E-09	2.02E-01	1.65E-01
50000.	-3.29E 00	3.84E-01	1.35E 00	4.86E-10	-7.26E-10	9.60E-02	1.48E-01
100000.	-6.59E 00	1.06E-01	7.21E-01	2.36E-10	-1.57E-10	3.35E-02	9.62E-02
150000.	-9.88E 00	4.86E-02	4.88E-01	1.24E-10	-5.46E-11	1.64E-02	6.87E-02

P= 10.000 T= 9000. NTOT=8.15E 18 DEBYE=4.99E-06 LAMBDA=1.08E 02 LNLMBD= 4.68
N1=1.72126E 16 N2=8.12057E 18 N3=1.72126E 16 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.18E 01	0.00E-01	-3.19E-10	0.00E-01	8.79E-01	0.00E-01
500.	-2.03E-02	1.18E 01	2.64E-01	-3.19E-10	4.31E-13	8.79E-01	8.46E-03
1000.	-4.06E-02	1.19E 01	5.27E-01	-3.19E-10	8.33E-13	8.79E-01	1.69E-02
2500.	-1.02E-01	1.18E 01	1.31E 00	-3.22E-10	1.57E-12	8.77E-01	4.22E-02
5000.	-2.03E-01	1.14E 01	2.52E 00	-3.32E-10	-3.40E-13	8.71E-01	8.38E-02
7500.	-3.05E-01	1.08E 01	3.57E 00	-3.46E-10	-8.21E-12	8.61E-01	1.24E-01
10000.	-4.06E-01	1.00E 01	4.42E 00	-3.60E-10	-2.30E-11	8.48E-01	1.63E-01
25000.	-1.02E 00	5.40E 00	5.92E 00	-3.59E-10	-1.88E-10	7.13E-01	3.43E-01
50000.	-2.03E 00	2.07E 00	4.48E 00	-1.36E-10	-2.96E-10	4.57E-01	4.37E-01
100000.	-4.06E 00	6.17E-01	2.59E 00	4.89E-11	-1.55E-10	1.89E-01	3.59E-01
150000.	-6.09E 00	2.87E-01	1.78E 00	5.46E-11	-6.91E-11	9.61E-02	2.73E-01

P= 10.000 T= 10000. NTOT=7.34E 18 DEBYE=3.10E-06 LAMBDA=7.42E 01 LNLMBD= 4.31
N1=4.95611E 16 N2=7.24037E 18 N3=4.95611E 16 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.15E 01	0.00E-01	1.75E-08	0.00E-01	1.83E 00	0.00E-01
500.	-1.20E-02	2.15E 01	3.04E-01	1.75E-08	3.38E-10	1.83E 00	1.15E-02
1000.	-2.39E-02	2.15E 01	6.07E-01	1.75E-08	6.75E-10	1.83E 00	2.29E-02
2500.	-5.99E-02	2.14E 01	1.51E 00	1.74E-08	1.68E-09	1.83E 00	5.73E-02
5000.	-1.20E-01	2.11E 01	2.98E 00	1.70E-08	3.30E-09	1.82E 00	1.14E-01
7500.	-1.80E-01	2.06E 01	4.36E 00	1.64E-08	4.82E-09	1.81E 00	1.70E-01
10000.	-2.39E-01	1.99E 01	5.62E 00	1.56E-08	6.18E-09	1.80E 00	2.26E-01
25000.	-5.99E-01	1.43E 01	1.01E 01	8.98E-09	1.05E-08	1.66E 00	5.21E-01
50000.	-1.20E 00	7.30E 00	1.00E 01	1.43E-09	8.83E-09	1.31E 00	8.20E-01
100000.	-2.39E 00	2.58E 00	6.77E 00	-1.66E-09	3.77E-09	7.16E-01	8.88E-01
150000.	-3.59E 00	1.28E 00	4.88E 00	-1.48E-09	1.71E-09	4.09E-01	7.58E-01

P= 10.000 T= 11000. NTOT=6.67E 18 DEBYE=2.12E-06 LAMBDA=5.59E 01 LNLMBD= 4.02
N1=1.16245E 17 N2=6.43978E 18 N3=1.16245E 17 N4=2.43692E 09 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.29E 01	0.00E-01	5.03E-08	0.00E-01	3.30E 00	0.00E-01
500.	-7.27E-03	3.29E 01	3.08E-01	5.03E-08	6.35E-10	3.30E 00	1.52E-02
1000.	-1.45E-02	3.28E 01	6.17E-01	5.03E-08	1.27E-09	3.30E 00	3.05E-02
2500.	-3.64E-02	3.28E 01	1.54E 00	5.01E-08	3.17E-09	3.30E 00	7.62E-02
5000.	-7.27E-02	3.26E 01	3.06E 00	4.96E-08	6.29E-09	3.29E 00	1.52E-01
7500.	-1.09E-01	3.22E 01	4.53E 00	4.88E-08	9.31E-09	3.28E 00	2.28E-01
10000.	-1.45E-01	3.17E 01	5.95E 00	4.78E-08	1.22E-08	3.27E 00	3.02E-01
25000.	-3.64E-01	2.69E 01	1.26E 01	3.70E-08	2.51E-08	3.13E 00	7.20E-01
50000.	-7.27E-01	1.75E 01	1.61E 01	1.71E-08	2.99E-08	2.71E 00	1.24E 00
100000.	-1.45E 00	7.60E 00	1.34E 01	-6.38E-10	1.97E-08	1.80E 00	1.60E 00
150000.	-2.18E 00	4.07E 00	1.03E 01	-4.23E-09	1.15E-08	1.18E 00	1.53E 00

P= 10.000 T= 12000. NTOT=6.12E 18 DEBYE=1.56E-06 LAMBDA=4.47E 01 LNLMBD= 3.80
N1=2.35640E 17 N2=5.64497E 18 N3=2.35640E 17 N4=3.36459E 10 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.57E 01	0.00E-01	9.94E-08	0.00E-01	5.43E 00	0.00E-01
500.	-4.73E-03	4.57E 01	2.99E-01	9.94E-08	8.90E-10	5.43E 00	1.98E-02
1000.	-9.46E-03	4.56E 01	5.97E-01	9.94E-08	1.78E-09	5.43E 00	3.96E-02
2500.	-2.37E-02	4.56E 01	1.49E 00	9.92E-08	4.44E-09	5.43E 00	9.91E-02
5000.	-4.73E-02	4.55E 01	2.97E 00	9.87E-08	8.85E-09	5.42E 00	1.98E-01
7500.	-7.10E-02	4.52E 01	4.44E 00	9.79E-08	1.32E-08	5.41E 00	2.96E-01
10000.	-9.46E-02	4.49E 01	5.87E 00	9.68E-08	1.74E-08	5.40E 00	3.94E-01
25000.	-2.37E-01	4.12E 01	1.34E 01	8.47E-08	3.93E-08	5.25E 00	9.54E-01
50000.	-4.73E-01	3.19E 01	2.06E 01	5.53E-08	5.74E-08	4.77E 00	1.72E 00
100000.	-9.46E-01	1.72E 01	2.16E 01	1.34E-08	5.14E-08	3.55E 00	2.47E 00
150000.	-1.42E 00	1.00E 01	1.82E 01	-2.21E-09	3.61E-08	2.57E 00	2.57E 00

P= 10.000 T= 13000. NTOT=5.65E 18 DEBYE=1.21E-06 LAMBDA=3.78E 01 LNLMBD= 3.63
N1=4.20143E 17 N2=4.80548E 18 N3=4.20143E 17 N4=3.14947E 11 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.92E 01	0.00E-01	1.65E-07	0.00E-01	8.20E 00	0.00E-01
500.	-3.30E-03	5.92E 01	2.86E-01	1.65E-07	1.12E-09	8.20E 00	2.45E-02
1000.	-6.61E-03	5.92E 01	5.71E-01	1.65E-07	2.24E-09	8.20E 00	4.90E-02
2500.	-1.65E-02	5.91E 01	1.43E 00	1.65E-07	5.59E-09	8.19E 00	1.23E-01
5000.	-3.30E-02	5.90E 01	2.85E 00	1.65E-07	1.12E-08	8.19E 00	2.45E-01
7500.	-4.96E-02	5.89E 01	4.26E 00	1.64E-07	1.67E-08	8.18E 00	3.67E-01
10000.	-6.61E-02	5.86E 01	5.66E 00	1.63E-07	2.21E-08	8.16E 00	4.88E-01
25000.	-1.65E-01	5.58E 01	1.34E 01	1.50E-07	5.20E-08	8.00E 00	1.19E 00
50000.	-3.30E-01	4.78E 01	2.29E 01	1.16E-07	8.53E-08	7.48E 00	2.21E 00
100000.	-6.61E-01	3.08E 01	2.89E 01	4.90E-08	9.54E-08	6.00E 00	3.45E 00
150000.	-9.91E-01	1.98E 01	2.70E 01	1.29E-08	7.75E-08	4.62E 00	3.82E 00

P= 10.000 T= 14000. NTOT=5.24E 18 DEBYE=9.99E-07 LAMBDA=3.35E 01 LNLMBD= 3.51
N1=6.68110E 17 N2=3.90628E 18 N3=6.68106E 17 N4=2.15919E 12 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	7.29E 01	0.00E-01	2.46E-07	0.00E-01	1.15E 01	0.00E-01
500.	-2.48E-03	7.29E 01	2.76E-01	2.46E-07	1.34E-09	1.15E 01	2.92E-02
1000.	-4.96E-03	7.29E 01	5.53E-01	2.46E-07	2.69E-09	1.15E 01	5.85E-02
2500.	-1.24E-02	7.29E 01	1.38E 00	2.46E-07	6.71E-09	1.15E 01	1.46E-01
5000.	-2.48E-02	7.28E 01	2.76E 00	2.46E-07	1.34E-08	1.15E 01	2.92E-01
7500.	-3.72E-02	7.27E 01	4.13E 00	2.45E-07	2.01E-08	1.15E 01	4.38E-01
10000.	-4.96E-02	7.25E 01	5.49E 00	2.44E-07	2.66E-08	1.15E 01	5.83E-01
25000.	-1.24E-01	7.03E 01	1.33E 01	2.32E-07	6.40E-08	1.13E 01	1.43E 00
50000.	-2.48E-01	6.35E 01	2.39E 01	1.95E-07	1.12E-07	1.08E 01	2.71E 00
100000.	-4.96E-01	4.63E 01	3.42E 01	1.07E-07	1.45E-07	9.06E 00	4.46E 00
150000.	-7.44E-01	3.24E 01	3.51E 01	4.63E-08	1.32E-07	7.29E 00	5.19E 00

P= 10.000 T= 15000. NTOT=4.89E 18 DEBYE=8.65E-07 LAMBDA=3.11E 01 LNLMBD= 3.44
N1=9.55111E 17 N2=2.98278E 18 N3=9.55089E 17 N4=1.14673E 13 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	8.65E 01	0.00E-01	3.41E-07	0.00E-01	1.52E 01	0.00E-01
500.	-2.01E-03	8.65E 01	2.76E-01	3.41E-07	1.59E-09	1.52E 01	3.45E-02
1000.	-4.02E-03	8.65E 01	5.52E-01	3.41E-07	3.18E-09	1.52E 01	6.89E-02
2500.	-1.01E-02	8.65E 01	1.38E 00	3.41E-07	7.96E-09	1.52E 01	1.72E-01
5000.	-2.01E-02	8.64E 01	2.76E 00	3.40E-07	1.59E-08	1.52E 01	3.44E-01
7500.	-3.02E-02	8.63E 01	4.13E 00	3.39E-07	2.38E-08	1.52E 01	5.16E-01
10000.	-4.02E-02	8.62E 01	5.49E 00	3.38E-07	3.17E-08	1.52E 01	6.87E-01
25000.	-1.01E-01	8.43E 01	1.34E 01	3.26E-07	7.68E-08	1.50E 01	1.70E 00
50000.	-2.01E-01	7.83E 01	2.48E 01	2.86E-07	1.39E-07	1.44E 01	3.24E 00
100000.	-4.02E-01	6.14E 01	3.83E 01	1.80E-07	1.96E-07	1.25E 01	5.52E 00
150000.	-6.03E-01	4.58E 01	4.18E 01	9.47E-08	1.93E-07	1.04E 01	6.66E 00

P= 10.000 T= 16000. NTOT=4.59E 18 DEBYE=7.86E-07 LAMBDA=3.01E 01 LNLMBD= 3.40
N1=1.23411E 18 N2=2.11900E 18 N3=1.23402E 18 N4=4.92156E 13 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	9.95E 01	0.00E-01	4.44E-07	0.00E-01	1.92E 01	0.00E-01
500.	-1.75E-03	9.95E 01	2.85E-01	4.44E-07	1.89E-09	1.92E 01	4.06E-02
1000.	-3.51E-03	9.95E 01	5.70E-01	4.44E-07	3.79E-09	1.92E 01	8.11E-02
2500.	-8.77E-03	9.95E 01	1.43E 00	4.44E-07	9.46E-09	1.92E 01	2.03E-01
5000.	-1.75E-02	9.94E 01	2.85E 00	4.43E-07	1.89E-08	1.92E 01	4.05E-01
7500.	-2.63E-02	9.93E 01	4.27E 00	4.42E-07	2.83E-08	1.92E 01	6.08E-01
10000.	-3.51E-02	9.91E 01	5.68E 00	4.41E-07	3.77E-08	1.92E 01	8.10E-01
25000.	-8.77E-02	9.74E 01	1.39E 01	4.27E-07	9.18E-08	1.90E 01	2.00E 00
50000.	-1.75E-01	9.17E 01	2.61E 01	3.83E-07	1.68E-07	1.84E 01	3.85E 00
100000.	-3.51E-01	7.46E 01	4.18E 01	2.58E-07	2.49E-07	1.62E 01	6.67E 00
150000.	-5.26E-01	5.77E 01	4.75E 01	1.49E-07	2.56E-07	1.36E 01	8.21E 00

P= 10.000 T= 17000. NTOT=4.32E 18 DEBYE=7.46E-07 LAMBDA=3.03E 01 LNLMBD= 3.41
N1=1.45636E 18 N2=1.40480E 18 N3=1.45601E 18 N4=1.76704E 14 N5=9.91286E 05

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.11E 02	0.00E-01	5.50E-07	0.00E-01	2.33E 01	0.00E-01
500.	-1.64E-03	1.11E 02	3.05E-01	5.50E-07	2.27E-09	2.33E 01	4.80E-02
1000.	-3.28E-03	1.11E 02	6.10E-01	5.50E-07	4.53E-09	2.33E 01	9.61E-02
2500.	-8.19E-03	1.11E 02	1.52E 00	5.50E-07	1.13E-08	2.33E 01	2.40E-01
5000.	-1.64E-02	1.11E 02	3.05E 00	5.50E-07	2.26E-08	2.33E 01	4.80E-01
7500.	-2.46E-02	1.11E 02	4.56E 00	5.49E-07	3.39E-08	2.33E 01	7.20E-01
10000.	-3.28E-02	1.11E 02	6.07E 00	5.47E-07	4.51E-08	2.33E 01	9.59E-01
25000.	-8.19E-02	1.09E 02	1.49E 01	5.31E-07	1.10E-07	2.30E 01	2.37E 00
50000.	-1.64E-01	1.03E 02	2.81E 01	4.79E-07	2.03E-07	2.23E 01	4.57E 00
100000.	-3.28E-01	8.53E 01	4.56E 01	3.31E-07	3.05E-07	1.97E 01	7.95E 00
150000.	-4.91E-01	6.69E 01	5.25E 01	1.97E-07	3.18E-07	1.67E 01	9.85E 00

P= 10.000 T= 18000. NTOT=4.08E 18 DEBYE=7.32E-07 LAMBDA=3.15E 01 LNLMBD= 3.45
N1=1.59954E 18 N2=8.78960E 17 N3=1.59845E 18 N4=5.47027E 14 N5=1.44117E 07

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.22E 02	0.00E-01	6.57E-07	0.00E-01	2.73E 01	0.00E-01
500.	-1.61E-03	1.22E 02	3.35E-01	6.57E-07	2.73E-09	2.73E 01	5.72E-02
1000.	-3.22E-03	1.22E 02	6.69E-01	6.57E-07	5.46E-09	2.73E 01	1.14E-01
2500.	-8.06E-03	1.22E 02	1.67E 00	6.57E-07	1.36E-08	2.73E 01	2.86E-01
5000.	-1.61E-02	1.22E 02	3.34E 00	6.56E-07	2.73E-08	2.73E 01	5.72E-01
7500.	-2.42E-02	1.22E 02	5.01E 00	6.55E-07	4.08E-08	2.73E 01	8.57E-01
10000.	-3.22E-02	1.21E 02	6.67E 00	6.53E-07	5.43E-08	2.72E 01	1.14E 00
25000.	-8.06E-02	1.19E 02	1.64E 01	6.33E-07	1.32E-07	2.70E 01	2.82E 00
50000.	-1.61E-01	1.13E 02	3.08E 01	5.70E-07	2.44E-07	2.60E 01	5.43E 00
100000.	-3.22E-01	9.32E 01	4.99E 01	3.92E-07	3.65E-07	2.30E 01	9.42E 00
150000.	-4.83E-01	7.32E 01	5.74E 01	2.31E-07	3.78E-07	1.94E 01	1.16E 01

P= 10.000 T= 19000. NTOT=3.86E 18 DEBYE=7.39E-07 LAMBDA=3.36E 01 LNLMBD= 3.51
N1=1.65850E 18 N2=5.47382E 17 N3=1.65551E 18 N4=1.49615E 15 N5=1.63773E 08

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.31E 02	0.00E-01	7.59E-07	0.00E-01	3.11E 01	0.00E-01
500.	-1.65E-03	1.31E 02	3.74E-01	7.59E-07	3.29E-09	3.11E 01	6.83E-02
1000.	-3.31E-03	1.31E 02	7.48E-01	7.59E-07	6.58E-09	3.11E 01	1.37E-01
2500.	-8.27E-03	1.31E 02	1.87E 00	7.58E-07	1.64E-08	3.11E 01	3.41E-01
5000.	-1.65E-02	1.31E 02	3.74E 00	7.57E-07	3.29E-08	3.11E 01	6.83E-01
7500.	-2.48E-02	1.31E 02	5.60E 00	7.56E-07	4.92E-08	3.11E 01	1.02E 00
10000.	-3.31E-02	1.30E 02	7.45E 00	7.54E-07	6.55E-08	3.10E 01	1.36E 00
25000.	-8.27E-02	1.28E 02	1.83E 01	7.29E-07	1.59E-07	3.07E 01	3.37E 00
50000.	-1.65E-01	1.21E 02	3.42E 01	6.50E-07	2.91E-07	2.95E 01	6.45E 00
100000.	-3.31E-01	9.83E 01	5.46E 01	4.34E-07	4.26E-07	2.58E 01	1.11E 01
150000.	-4.96E-01	7.63E 01	6.19E 01	2.48E-07	4.32E-07	2.15E 01	1.34E 01

P= 10.000 T= 20000. NTOT=3.67E 18 DEBYE=7.56E-07 LAMBDA=3.62E 01 LNLMBD= 3.59
N1=1.66620E 18 N2=3.41041E 17 N3=1.65881E 18 N4=3.69424E 15 N5=1.49683E 09

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.39E 02	0.00E-01	8.60E-07	0.00E-01	3.49E 01	0.00E-01
500.	-1.74E-03	1.39E 02	4.22E-01	8.60E-07	3.96E-09	3.49E 01	8.16E-02
1000.	-3.47E-03	1.39E 02	8.44E-01	8.60E-07	7.93E-09	3.49E 01	1.63E-01
2500.	-8.69E-03	1.39E 02	2.11E 00	8.59E-07	1.98E-08	3.49E 01	4.08E-01
5000.	-1.74E-02	1.39E 02	4.21E 00	8.58E-07	3.96E-08	3.49E 01	8.16E-01
7500.	-2.61E-02	1.39E 02	6.31E 00	8.56E-07	5.93E-08	3.48E 01	1.22E 00
10000.	-3.47E-02	1.39E 02	8.40E 00	8.54E-07	7.88E-08	3.48E 01	1.63E 00
25000.	-8.69E-02	1.36E 02	2.05E 01	8.22E-07	1.91E-07	3.44E 01	4.01E 00
50000.	-1.74E-01	1.27E 02	3.81E 01	7.23E-07	3.45E-07	3.29E 01	7.65E 00
100000.	-3.47E-01	1.01E 02	5.95E 01	4.61E-07	4.89E-07	2.83E 01	1.29E 01
150000.	-5.21E-01	7.74E 01	6.62E 01	2.49E-07	4.82E-07	2.33E 01	1.54E 01

P= 10.000 T= 21000. NTOT=3.49E 18 DEBYE=7.80E-07 LAMBDA=3.92E 01 LNLMBD= 3.67
N1=1.64243E 18 N2=2.18492E 17 N3=1.62572E 18 N4=8.35686E 15 N5=1.12938E 10

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.46E 02	0.00E-01	9.58E-07	0.00E-01	3.86E 01	0.00E-01
500.	-1.84E-03	1.46E 02	4.75E-01	9.58E-07	4.73E-09	3.86E 01	9.68E-02
1000.	-3.69E-03	1.46E 02	9.50E-01	9.58E-07	9.46E-09	3.86E 01	1.94E-01
2500.	-9.21E-03	1.46E 02	2.37E 00	9.58E-07	2.36E-08	3.86E 01	4.84E-01
5000.	-1.84E-02	1.46E 02	4.74E 00	9.56E-07	4.72E-08	3.86E 01	9.67E-01
7500.	-2.76E-02	1.46E 02	7.11E 00	9.54E-07	7.07E-08	3.85E 01	1.45E 00
10000.	-3.69E-02	1.46E 02	9.45E 00	9.50E-07	9.40E-08	3.85E 01	1.93E 00
25000.	-9.21E-02	1.42E 02	2.30E 01	9.11E-07	2.27E-07	3.79E 01	4.75E 00
50000.	-1.84E-01	1.32E 02	4.23E 01	7.87E-07	4.04E-07	3.61E 01	8.99E 00
100000.	-3.69E-01	1.03E 02	6.43E 01	4.75E-07	5.51E-07	3.05E 01	1.48E 01
150000.	-5.53E-01	7.69E 01	6.99E 01	2.40E-07	5.24E-07	2.46E 01	1.73E 01

P= 10.000 T= 22000. NTOT=3.34E 18 DEBYE=8.08E-07 LAMBDA=4.26E 01 LNLMBD= 3.75
N1=1.60401E 18 N2=1.45607E 17 N3=1.56903E 18 N4=1.74921E 16 N5=7.17008E 10

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.53E 02	0.00E-01	1.05E-06	0.00E-01	4.23E 01	0.00E-01
500.	-1.96E-03	1.53E 02	5.30E-01	1.05E-06	5.58E-09	4.23E 01	1.14E-01
1000.	-3.92E-03	1.53E 02	1.06E 00	1.05E-06	1.12E-08	4.23E 01	2.28E-01
2500.	-9.79E-03	1.53E 02	2.65E 00	1.05E-06	2.79E-08	4.22E 01	5.69E-01
5000.	-1.96E-02	1.53E 02	5.30E 00	1.05E-06	5.57E-08	4.22E 01	1.14E 00
7500.	-2.94E-02	1.52E 02	7.93E 00	1.05E-06	8.33E-08	4.22E 01	1.70E 00
10000.	-3.92E-02	1.52E 02	1.05E 01	1.04E-06	1.11E-07	4.21E 01	2.27E 00
25000.	-9.79E-02	1.48E 02	2.56E 01	9.95E-07	2.66E-07	4.14E 01	5.57E 00
50000.	-1.96E-01	1.36E 02	4.65E 01	8.42E-07	4.66E-07	3.92E 01	1.05E 01
100000.	-3.92E-01	1.03E 02	6.87E 01	4.79E-07	6.10E-07	3.24E 01	1.68E 01
150000.	-5.87E-01	7.55E 01	7.28E 01	2.25E-07	5.60E-07	2.56E 01	1.92E 01

P= 10.000 T= 23000. NTOT=3.19E 18 DEBYE=8.37E-07 LAMBDA=4.61E 01 LNLMBD= 3.83
N1=1.56203E 18 N2=1.01089E 17 N3=1.49390E 18 N4=3.40643E 16 N5=3.88423E 11

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.58E 02	0.00E-01	1.15E-06	0.00E-01	4.59E 01	0.00E-01
500.	-2.07E-03	1.58E 02	5.84E-01	1.15E-06	6.47E-09	4.59E 01	1.32E-01
1000.	-4.13E-03	1.58E 02	1.17E 00	1.15E-06	1.29E-08	4.59E 01	2.64E-01
2500.	-1.03E-02	1.58E 02	2.92E 00	1.15E-06	3.24E-08	4.59E 01	6.61E-01
5000.	-2.07E-02	1.58E 02	5.83E 00	1.15E-06	6.46E-08	4.58E 01	1.32E 00
7500.	-3.10E-02	1.57E 02	8.72E 00	1.14E-06	9.66E-08	4.58E 01	1.98E 00
10000.	-4.13E-02	1.57E 02	1.16E 01	1.14E-06	1.28E-07	4.57E 01	2.63E 00
25000.	-1.03E-01	1.52E 02	2.80E 01	1.08E-06	3.07E-07	4.49E 01	6.45E 00
50000.	-2.07E-01	1.38E 02	5.03E 01	8.91E-07	5.28E-07	4.21E 01	1.20E 01
100000.	-4.13E-01	1.03E 02	7.23E 01	4.78E-07	6.64E-07	3.41E 01	1.89E 01
150000.	-6.20E-01	7.36E 01	7.50E 01	2.08E-07	5.91E-07	2.65E 01	2.10E 01

P= 10.000 T= 24000. NTOT=3.06E 18 DEBYE=8.66E-07 LAMBDA=4.98E 01 LNLMBD= 3.91
N1=1.52387E 18 N2=7.21929E 16 N3=1.40026E 18 N4=6.18036E 16 N5=1.81126E 12

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.62E 02	0.00E-01	1.24E-06	0.00E-01	4.94E 01	0.00E-01
500.	-2.16E-03	1.62E 02	6.29E-01	1.24E-06	7.37E-09	4.94E 01	1.51E-01
1000.	-4.31E-03	1.62E 02	1.26E 00	1.24E-06	1.47E-08	4.94E 01	3.03E-01
2500.	-1.08E-02	1.62E 02	3.14E 00	1.24E-06	3.68E-08	4.94E 01	7.57E-01
5000.	-2.16E-02	1.61E 02	6.27E 00	1.24E-06	7.35E-08	4.94E 01	1.51E 00
7500.	-3.24E-02	1.61E 02	9.39E 00	1.23E-06	1.10E-07	4.93E 01	2.26E 00
10000.	-4.31E-02	1.61E 02	1.25E 01	1.23E-06	1.46E-07	4.92E 01	3.01E 00
25000.	-1.08E-01	1.55E 02	3.01E 01	1.15E-06	3.47E-07	4.82E 01	7.36E 00
50000.	-2.16E-01	1.40E 02	5.34E 01	9.36E-07	5.88E-07	4.49E 01	1.36E 01
100000.	-4.31E-01	1.01E 02	7.48E 01	4.75E-07	7.12E-07	3.56E 01	2.09E 01
150000.	-6.47E-01	7.17E 01	7.63E 01	1.93E-07	6.17E-07	2.72E 01	2.27E 01

P= 10.000 T= 25000. NTOT=2.94E 18 DEBYE=8.93E-07 LAMBDA=5.34E 01 LNLMBD= 3.98
N1=1.49375E 18 N2=5.25880E 16 N3=1.28517E 18 N4=1.04283E 17 N5=7.30698E 12

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.64E 02	0.00E-01	1.33E-06	0.00E-01	5.29E 01	0.00E-01
500.	-2.21E-03	1.64E 02	6.60E-01	1.33E-06	8.20E-09	5.29E 01	1.70E-01
1000.	-4.43E-03	1.64E 02	1.32E 00	1.33E-06	1.64E-08	5.29E 01	3.41E-01
2500.	-1.11E-02	1.64E 02	3.30E 00	1.32E-06	4.10E-08	5.28E 01	8.51E-01
5000.	-2.21E-02	1.63E 02	6.58E 00	1.32E-06	8.18E-08	5.28E 01	1.70E 00
7500.	-3.32E-02	1.63E 02	9.85E 00	1.32E-06	1.22E-07	5.27E 01	2.55E 00
10000.	-4.43E-02	1.62E 02	1.31E 01	1.31E-06	1.62E-07	5.26E 01	3.39E 00
25000.	-1.11E-01	1.57E 02	3.15E 01	1.22E-06	3.84E-07	5.14E 01	8.25E 00
50000.	-2.21E-01	1.40E 02	5.54E 01	9.79E-07	6.43E-07	4.75E 01	1.51E 01
100000.	-4.43E-01	1.00E 02	7.62E 01	4.76E-07	7.56E-07	3.70E 01	2.27E 01
150000.	-6.64E-01	7.00E 01	7.68E 01	1.83E-07	6.43E-07	2.79E 01	2.43E 01

P= 10.000 T= 26000. NTOT=2.82E 18 DEBYE=9.17E-07 LAMBDA=5.71E 01 LNLMBD= 4.04
N1=1.47364E 18 N2=3.87845E 16 N3=1.14731E 18 N4=1.63123E 17 N5=2.55764E 13

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.64E 02	0.00E-01	1.40E-06	0.00E-01	5.61E 01	0.00E-01
500.	-2.23E-03	1.64E 02	6.74E-01	1.40E-06	8.92E-09	5.61E 01	1.88E-01
1000.	-4.46E-03	1.64E 02	1.35E 00	1.40E-06	1.78E-08	5.61E 01	3.76E-01
2500.	-1.12E-02	1.64E 02	3.37E 00	1.40E-06	4.46E-08	5.61E 01	9.40E-01
5000.	-2.23E-02	1.64E 02	6.73E 00	1.40E-06	8.90E-08	5.61E 01	1.88E 00
7500.	-3.35E-02	1.63E 02	1.01E 01	1.39E-06	1.33E-07	5.60E 01	2.81E 00
10000.	-4.46E-02	1.63E 02	1.34E 01	1.39E-06	1.76E-07	5.58E 01	3.74E 00
25000.	-1.12E-01	1.57E 02	3.21E 01	1.29E-06	4.16E-07	5.45E 01	9.09E 00
50000.	-2.23E-01	1.39E 02	5.62E 01	1.02E-06	6.91E-07	5.01E 01	1.65E 01
100000.	-4.46E-01	9.89E 01	7.64E 01	4.83E-07	7.97E-07	3.84E 01	2.44E 01
150000.	-6.69E-01	6.89E 01	7.65E 01	1.79E-07	6.69E-07	2.86E 01	2.57E 01

P= 50.000 T= 3000. NTOT=1.22E 20 DEBYE=5.95E-02 LAMBDA=4.27E 05 LNLMBD=12.97
N1=4.03232E 07 N2=1.22325E 20 N3=4.03232E 07 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	8.43E-08	0.00E-01	-1.29E-16	0.00E-01	1.33E-09	0.00E-01
500.	-2.14E-02	8.31E-08	9.20E-09	-1.26E-16	-1.82E-17	1.33E-09	7.00E-11
1000.	-4.29E-02	7.97E-08	1.75E-08	-1.19E-16	-3.43E-17	1.31E-09	1.36E-10
2500.	-1.07E-01	6.36E-08	3.26E-08	-8.58E-17	-6.17E-17	1.21E-09	2.91E-10
5000.	-2.14E-01	4.49E-08	3.65E-08	-5.01E-17	-6.33E-17	1.03E-09	4.11E-10
7500.	-3.21E-01	3.30E-08	3.34E-08	-3.22E-17	-5.32E-17	8.87E-10	4.51E-10
10000.	-4.29E-01	2.46E-08	2.98E-08	-1.97E-17	-4.39E-17	7.83E-10	4.64E-10
25000.	-1.07E 00	7.93E-09	1.77E-08	2.58E-18	-1.97E-17	5.49E-10	4.30E-10
50000.	-2.14E 00	3.28E-09	1.06E-08	4.19E-18	-7.10E-18	2.97E-10	3.65E-10
100000.	-4.29E 00	1.14E-09	5.96E-09	2.14E-18	-1.86E-18	1.23E-10	2.57E-10
150000.	-6.43E 00	5.67E-10	4.12E-09	1.22E-18	-7.80E-19	7.08E-11	1.93E-10

P= 50.000 T= 4000. NTOT=9.17E 19 DEBYE=1.45E-03 LAMBDA=1.39E 04 LNLMBD= 9.54
N1=9.00220E 10 N2=9.17437E 19 N3=9.00220E 10 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.80E-04	0.00E-01	-4.30E-13	0.00E-01	3.52E-06	0.00E-01
500.	-1.66E-02	1.76E-04	2.33E-05	-4.18E-13	-7.07E-14	3.50E-06	1.94E-07
1000.	-3.33E-02	1.66E-04	4.29E-05	-3.85E-13	-1.29E-13	3.44E-06	3.72E-07
2500.	-8.32E-02	1.24E-04	7.12E-05	-2.54E-13	-2.07E-13	3.17E-06	7.59E-07
5000.	-1.66E-01	9.01E-05	7.12E-05	-1.47E-13	-1.91E-13	2.70E-06	1.05E-06
7500.	-2.49E-01	6.95E-05	6.35E-05	-1.03E-13	-1.57E-13	2.35E-06	1.16E-06
10000.	-3.33E-01	5.34E-05	5.68E-05	-6.94E-14	-1.30E-13	2.08E-06	1.18E-06
25000.	-8.32E-01	1.81E-05	3.62E-05	1.25E-15	-6.19E-14	1.50E-06	1.11E-06
50000.	-1.66E 00	7.92E-06	2.20E-05	1.13E-14	-2.49E-14	8.94E-07	9.40E-07
100000.	-3.33E 00	3.03E-06	1.28E-05	6.94E-15	-7.03E-15	3.89E-07	7.12E-07
150000.	-4.99E 00	1.56E-06	9.02E-06	4.12E-15	-3.01E-15	2.26E-07	5.43E-07

P= 50.000 T= 5000. NTOT=7.34E 19 DEBYE=1.60E-04 LAMBDA=1.91E 03 LNLMBD= 7.56
N1=9.33565E 12 N2=7.33950E 19 N3=9.33565E 12 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.67E-02	0.00E-01	-5.38E-11	0.00E-01	3.96E-04	0.00E-01
500.	-1.38E-02	1.63E-02	2.28E-03	-5.19E-11	-9.26E-12	3.95E-04	1.72E-05
1000.	-2.77E-02	1.52E-02	4.08E-03	-4.72E-11	-1.65E-11	3.92E-04	3.50E-05
2500.	-6.92E-02	1.13E-02	6.40E-03	-3.10E-11	-2.49E-11	3.67E-04	8.01E-05
5000.	-1.38E-01	8.24E-03	6.37E-03	-1.74E-11	-2.30E-11	3.17E-04	1.16E-04
7500.	-2.07E-01	6.75E-03	5.70E-03	-1.33E-11	-1.91E-11	2.77E-04	1.29E-04
10000.	-2.77E-01	5.45E-03	5.12E-03	-9.78E-12	-1.60E-11	2.47E-04	1.33E-04
25000.	-6.92E-01	1.98E-03	3.47E-03	-7.15E-13	-7.92E-12	1.78E-04	1.27E-04
50000.	-1.38E 00	8.72E-04	2.16E-03	1.19E-12	-3.50E-12	1.15E-04	1.06E-04
100000.	-2.77E 00	3.52E-04	1.29E-03	9.02E-13	-1.07E-12	5.27E-05	8.62E-05
150000.	-4.15E 00	1.85E-04	9.16E-04	5.63E-13	-4.68E-13	3.09E-05	6.71E-05

P= 50.000 T= 6000. NTOT=6.12E 19 DEBYE=3.70E-05 LAMBDA=5.32E 02 LNLMBD= 6.28
N1=2.08537E 14 N2=6.11620E 19 N3=2.08537E 14 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.68E-01	0.00E-01	-8.88E-10	0.00E-01	6.46E-03	0.00E-01
500.	-1.19E-02	2.65E-01	2.48E-02	-8.76E-10	-9.49E-11	6.49E-03	4.27E-05
1000.	-2.38E-02	2.56E-01	4.70E-02	-8.45E-10	-1.82E-10	6.58E-03	8.53E-05
2500.	-5.94E-02	2.15E-01	8.86E-02	-6.86E-10	-3.57E-10	7.02E-03	4.37E-05
5000.	-1.19E-01	1.56E-01	1.05E-01	-3.89E-10	-4.28E-10	7.24E-03	1.03E-03
7500.	-1.78E-01	1.36E-01	1.02E-01	-3.25E-10	-4.03E-10	6.85E-03	1.84E-03
10000.	-2.38E-01	1.16E-01	9.55E-02	-2.60E-10	-3.60E-10	6.30E-03	2.33E-03
25000.	-5.94E-01	4.80E-02	7.05E-02	-4.43E-11	-1.98E-10	4.33E-03	2.88E-03
50000.	-1.19E 00	2.09E-02	4.60E-02	2.17E-11	-9.71E-11	3.01E-03	2.41E-03
100000.	-2.38E 00	8.60E-03	2.79E-02	2.29E-11	-3.20E-11	1.47E-03	2.14E-03
150000.	-3.57E 00	4.63E-03	2.01E-02	1.52E-11	-1.45E-11	8.77E-04	1.71E-03

P= 50.000 T= 7000. NTOT=5.24E 19 DEBYE=1.31E-05 LAMBDA=2.20E 02 LNLMBD= 5.39
N1=1.93899E 15 N2=5.24211E 19 N3=1.93899E 15 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.31E 00	0.00E-01	-3.22E-09	0.00E-01	4.59E-02	0.00E-01
500.	-1.01E-02	1.30E 00	4.36E-02	-3.21E-09	-1.37E-10	4.59E-02	2.21E-04
1000.	-2.03E-02	1.30E 00	8.67E-02	-3.25E-09	-2.72E-10	4.59E-02	4.44E-04
2500.	-5.07E-02	1.26E 00	2.09E-01	-3.13E-09	-6.62E-10	4.60E-02	1.12E-03
5000.	-1.01E-01	1.06E 00	3.70E-01	-2.73E-09	-1.20E-09	4.62E-02	2.39E-03
7500.	-1.52E-01	9.97E-01	4.72E-01	-2.51E-09	-1.57E-09	4.65E-02	3.91E-03
10000.	-2.03E-01	9.21E-01	5.26E-01	-2.24E-09	-1.78E-09	4.66E-02	5.71E-03
25000.	-5.07E-01	5.04E-01	5.21E-01	-7.97E-10	-1.61E-09	4.08E-02	1.56E-02
50000.	-1.01E 00	2.28E-01	3.98E-01	3.24E-11	-9.90E-10	3.12E-02	2.05E-02
100000.	-2.03E 00	9.12E-02	2.51E-01	1.97E-10	-3.71E-10	1.69E-02	2.07E-02
150000.	-3.04E 00	4.93E-02	1.83E-01	1.50E-10	-1.75E-10	1.03E-02	1.74E-02

P= 50.000 T= 8000. NTOT=4.59E 19 DEBYE=6.04E-06 LAMBDA=1.16E 02 LNLMBD= 4.75
N1=1.04331E 16 N2=4.58510E 19 N3=1.04331E 16 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.86E 00	0.00E-01	-7.60E-09	0.00E-01	2.10E-01	0.00E-01
500.	-8.15E-03	3.86E 00	5.51E-02	-7.60E-09	-1.26E-10	2.09E-01	1.02E-03
1000.	-1.63E-02	3.85E 00	1.10E-01	-7.60E-09	-2.51E-10	2.09E-01	2.03E-03
2500.	-4.08E-02	3.84E 00	2.74E-01	-7.56E-09	-6.24E-10	2.09E-01	5.08E-03
5000.	-8.15E-02	3.55E 00	5.36E-01	-7.43E-09	-1.23E-09	2.09E-01	1.01E-02
7500.	-1.22E-01	3.49E 00	7.79E-01	-7.23E-09	-1.80E-09	2.08E-01	1.52E-02
10000.	-1.63E-01	3.40E 00	9.95E-01	-6.95E-09	-2.33E-09	2.07E-01	2.01E-02
25000.	-4.08E-01	2.63E 00	1.56E 00	-4.56E-09	-4.29E-09	1.97E-01	4.77E-02
50000.	-8.15E-01	1.51E 00	1.71E 00	-1.32E-09	-4.11E-09	1.69E-01	8.06E-02
100000.	-1.63E 00	6.20E-01	1.27E 00	4.92E-10	-2.10E-09	1.09E-01	1.00E-01
150000.	-2.45E 00	3.31E-01	9.54E-01	6.10E-10	-1.09E-09	7.17E-02	9.35E-02

P= 50.000 T= 9000. NTOT=4.08E 19 DEBYE=3.32E-06 LAMBDA=7.14E 01 LNLMBD= 4.27
N1=3.89957E 16 N2=4.06970E 19 N3=3.89957E 16 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	8.44E 00	0.00E-01	-1.01E-08	0.00E-01	6.09E-01	0.00E-01
500.	-6.03E-03	8.44E 00	6.51E-02	-1.01E-08	-9.73E-11	6.09E-01	1.92E-03
1000.	-1.21E-02	8.44E 00	1.30E-01	-1.01E-08	-1.94E-10	6.09E-01	3.83E-03
2500.	-3.01E-02	8.43E 00	3.25E-01	-1.01E-08	-4.86E-10	6.08E-01	9.58E-03
5000.	-6.03E-02	8.30E 00	6.47E-01	-1.01E-08	-9.67E-10	6.08E-01	1.91E-02
7500.	-9.04E-02	8.25E 00	9.62E-01	-9.97E-09	-1.44E-09	6.07E-01	2.87E-02
10000.	-1.21E-01	8.18E 00	1.27E 00	-9.84E-09	-1.90E-09	6.06E-01	3.82E-02
25000.	-3.01E-01	7.45E 00	2.56E 00	-8.47E-09	-4.25E-09	5.93E-01	9.33E-02
50000.	-6.03E-01	5.65E 00	3.87E 00	-5.20E-09	-6.05E-09	5.52E-01	1.73E-01
100000.	-1.21E 00	2.91E 00	3.93E 00	-8.39E-10	-5.07E-09	4.35E-01	2.68E-01
150000.	-1.81E 00	1.64E 00	3.25E 00	5.65E-10	-3.33E-09	3.25E-01	2.95E-01

P= 50.000 T= 10000. NTOT=3.67E 19 DEBYE=2.05E-06 LAMBDA=4.91E 01 LNLMBD= 3.89
N1=1.13000E 17 N2=3.64715E 19 N3=1.13000E 17 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.59E 01	0.00E-01	-4.76E-09	0.00E-01	1.34E 00	0.00E-01
500.	-4.16E-03	1.59E 01	7.10E-02	-4.76E-09	-2.65E-11	1.34E 00	2.72E-03
1000.	-8.32E-03	1.59E 01	1.42E-01	-4.76E-09	-5.30E-11	1.34E 00	5.44E-03
2500.	-2.08E-02	1.59E 01	3.55E-01	-4.75E-09	-1.32E-10	1.34E 00	1.36E-02
5000.	-4.16E-02	1.59E 01	7.08E-01	-4.74E-09	-2.65E-10	1.34E 00	2.72E-02
7500.	-6.24E-02	1.59E 01	1.06E 00	-4.73E-09	-3.96E-10	1.34E 00	4.07E-02
10000.	-8.32E-02	1.58E 01	1.41E 00	-4.71E-09	-5.26E-10	1.34E 00	5.43E-02
25000.	-2.08E-01	1.52E 01	3.40E 00	-4.46E-09	-1.26E-09	1.32E 00	1.35E-01
50000.	-4.16E-01	1.33E 01	5.94E 00	-3.72E-09	-2.18E-09	1.29E 00	2.61E-01
100000.	-8.32E-01	8.86E 00	7.89E 00	-2.03E-09	-2.82E-09	1.15E 00	4.65E-01
150000.	-1.25E 00	5.71E 00	7.60E 00	-8.48E-10	-2.58E-09	9.76E-01	5.91E-01

P= 50.000 T= 11000. NTOT=3.34E 19 DEBYE=1.39E-06 LAMBDA=3.66E 01 LNLMBD= 3.60
N1=2.71761E 17 N2=3.28178E 19 N3=2.71761E 17 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.67E 01	0.00E-01	1.26E-08	0.00E-01	2.54E 00	0.00E-01
500.	-2.82E-03	2.67E 01	8.41E-02	1.26E-08	5.74E-11	2.54E 00	3.64E-03
1000.	-5.65E-03	2.67E 01	1.68E-01	1.26E-08	1.15E-10	2.54E 00	7.27E-03
2500.	-1.41E-02	2.67E 01	4.20E-01	1.26E-08	2.87E-10	2.54E 00	1.82E-02
5000.	-2.82E-02	2.66E 01	8.40E-01	1.26E-08	5.73E-10	2.54E 00	3.64E-02
7500.	-4.23E-02	2.66E 01	1.26E 00	1.26E-08	8.58E-10	2.54E 00	5.45E-02
10000.	-5.65E-02	2.66E 01	1.68E 00	1.25E-08	1.14E-09	2.54E 00	7.27E-02
25000.	-1.41E-01	2.60E 01	4.10E 00	1.21E-08	2.78E-09	2.53E 00	1.81E-01
50000.	-2.82E-01	2.42E 01	7.64E 00	1.07E-08	5.11E-09	2.49E 00	3.56E-01
100000.	-5.65E-01	1.91E 01	1.20E 01	6.89E-09	7.58E-09	2.35E 00	6.72E-01
150000.	-8.47E-01	1.41E 01	1.32E 01	3.45E-09	7.68E-09	2.15E 00	9.21E-01

P= 50.000 T= 12000. NTOT=3.06E 19 DEBYE=1.01E-06 LAMBDA=2.91E 01 LNLMBD= 3.37
N1=5.57071E 17 N2=2.94671E 19 N3=5.57071E 17 N4=3.85382E 10 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.96E 01	0.00E-01	4.52E-08	0.00E-01	4.33E 00	0.00E-01
500.	-1.96E-03	3.96E 01	9.20E-02	4.52E-08	1.44E-10	4.33E 00	4.80E-03
1000.	-3.92E-03	3.96E 01	1.84E-01	4.52E-08	2.89E-10	4.33E 00	9.61E-03
2500.	-9.79E-03	3.96E 01	4.60E-01	4.52E-08	7.21E-10	4.33E 00	2.40E-02
5000.	-1.96E-02	3.96E 01	9.20E-01	4.52E-08	1.44E-09	4.33E 00	4.80E-02
7500.	-2.94E-02	3.96E 01	1.38E 00	4.51E-08	2.16E-09	4.33E 00	7.20E-02
10000.	-3.92E-02	3.95E 01	1.84E 00	4.50E-08	2.88E-09	4.33E 00	9.60E-02
25000.	-9.79E-02	3.91E 01	4.54E 00	4.43E-08	7.10E-09	4.31E 00	2.39E-01
50000.	-1.96E-01	3.76E 01	8.72E 00	4.17E-08	1.36E-08	4.27E 00	4.74E-01
100000.	-3.92E-01	3.25E 01	1.51E 01	3.31E-08	2.29E-08	4.12E 00	9.14E-01
150000.	-5.87E-01	2.67E 01	1.84E 01	2.33E-08	2.70E-08	3.89E 00	1.29E 00

P= 50.000 T= 13000. NTOT=2.82E 19 DEBYE=7.78E-07 LAMBDA=2.42E 01 LNLMBD= 3.19
N1=1.02328E 18 N2=2.61823E 19 N3=1.02328E 18 N4=3.72522E 11 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.45E 01	0.00E-01	9.64E-08	0.00E-01	6.86E 00	0.00E-01
500.	-1.40E-03	5.45E 01	9.62E-02	9.64E-08	2.33E-10	6.86E 00	6.32E-03
1000.	-2.81E-03	5.45E 01	1.92E-01	9.64E-08	4.66E-10	6.86E 00	1.26E-02
2500.	-7.01E-03	5.45E 01	4.81E-01	9.63E-08	1.16E-09	6.86E 00	3.16E-02
5000.	-1.40E-02	5.45E 01	9.62E-01	9.63E-08	2.33E-09	6.86E 00	6.32E-02
7500.	-2.10E-02	5.45E 01	1.44E 00	9.63E-08	3.49E-09	6.86E 00	9.47E-02
10000.	-2.81E-02	5.44E 01	1.92E 00	9.62E-08	4.65E-09	6.86E 00	1.26E-01
25000.	-7.01E-02	5.41E 01	4.77E 00	9.52E-08	1.15E-08	6.85E 00	3.15E-01
50000.	-1.40E-01	5.28E 01	9.32E 00	9.19E-08	2.24E-08	6.80E 00	6.26E-01
100000.	-2.81E-01	4.84E 01	1.70E 01	8.02E-08	4.05E-08	6.63E 00	1.22E 00
150000.	-4.21E-01	4.25E 01	2.23E 01	6.48E-08	5.19E-08	6.36E 00	1.75E 00

P= 50.000 T= 14000. NTOT=2.62E 19 DEBYE=6.26E-07 LAMBDA=2.10E 01 LNLMBD= 3.04
N1=1.69980E 18 N2=2.28129E 19 N3=1.69979E 18 N4=2.64010E 12 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	7.07E 01	0.00E-01	1.68E-07	0.00E-01	1.02E 01	0.00E-01
500.	-1.06E-03	7.07E 01	9.88E-02	1.68E-07	3.25E-10	1.02E 01	8.19E-03
1000.	-2.11E-03	7.07E 01	1.98E-01	1.68E-07	6.50E-10	1.02E 01	1.64E-02
2500.	-5.28E-03	7.07E 01	4.94E-01	1.68E-07	1.63E-09	1.02E 01	4.10E-02
5000.	-1.06E-02	7.07E 01	9.87E-01	1.68E-07	3.25E-09	1.02E 01	8.19E-02
7500.	-1.58E-02	7.07E 01	1.48E 00	1.68E-07	4.87E-09	1.02E 01	1.23E-01
10000.	-2.11E-02	7.07E 01	1.97E 00	1.68E-07	6.50E-09	1.02E 01	1.64E-01
25000.	-5.28E-02	7.04E 01	4.91E 00	1.67E-07	1.62E-08	1.02E 01	4.09E-01
50000.	-1.06E-01	6.93E 01	9.68E 00	1.63E-07	3.17E-08	1.02E 01	8.13E-01
100000.	-2.11E-01	6.55E 01	1.83E 01	1.49E-07	5.93E-08	9.95E 00	1.59E 00
150000.	-3.17E-01	6.00E 01	2.50E 01	1.29E-07	7.99E-08	9.64E 00	2.30E 00

P= 50.000 T= 15000. NTOT=2.45E 19 DEBYE=5.26E-07 LAMBDA=1.89E 01 LNLMBD= 2.94
N1=2.58256E 18 N2=1.92999E 19 N3=2.58253E 18 N4=1.45016E 13 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	8.76E 01	0.00E-01	2.61E-07	0.00E-01	1.44E 01	0.00E-01
500.	-8.31E-04	8.76E 01	1.01E-01	2.61E-07	4.25E-10	1.44E 01	1.04E-02
1000.	-1.66E-03	8.76E 01	2.02E-01	2.61E-07	8.50E-10	1.44E 01	2.07E-02
2500.	-4.16E-03	8.76E 01	5.05E-01	2.61E-07	2.12E-09	1.44E 01	5.18E-02
5000.	-8.31E-03	8.76E 01	1.01E 00	2.61E-07	4.25E-09	1.44E 01	1.04E-01
7500.	-1.25E-02	8.76E 01	1.51E 00	2.61E-07	6.37E-09	1.44E 01	1.55E-01
10000.	-1.66E-02	8.76E 01	2.02E 00	2.61E-07	8.49E-09	1.44E 01	2.07E-01
25000.	-4.16E-02	8.73E 01	5.03E 00	2.59E-07	2.12E-08	1.43E 01	5.17E-01
50000.	-8.31E-02	8.64E 01	9.96E 00	2.55E-07	4.18E-08	1.43E 01	1.03E 00
100000.	-1.66E-01	8.31E 01	1.91E 01	2.39E-07	7.95E-08	1.40E 01	2.02E 00
150000.	-2.49E-01	7.81E 01	2.69E 01	2.16E-07	1.10E-07	1.37E 01	2.94E 00

P= 50.000 T= 16000. NTOT=2.29E 19 DEBYE=4.59E-07 LAMBDA=1.76E 01 LNLMBD= 2.87
N1=3.61021E 18 N2=1.57155E 19 N3=3.61008E 18 N4=6.42822E 13 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.05E 02	0.00E-01	3.75E-07	0.00E-01	1.93E 01	0.00E-01
500.	-6.93E-04	1.05E 02	1.05E-01	3.75E-07	5.40E-10	1.93E 01	1.29E-02
1000.	-1.39E-03	1.05E 02	2.10E-01	3.75E-07	1.08E-09	1.93E 01	2.59E-02
2500.	-3.46E-03	1.05E 02	5.24E-01	3.75E-07	2.70E-09	1.93E 01	6.47E-02
5000.	-6.93E-03	1.05E 02	1.05E 00	3.75E-07	5.40E-09	1.93E 01	1.29E-01
7500.	-1.04E-02	1.05E 02	1.57E 00	3.75E-07	8.10E-09	1.93E 01	1.94E-01
10000.	-1.39E-02	1.05E 02	2.10E 00	3.74E-07	1.08E-08	1.93E 01	2.59E-01
25000.	-3.46E-02	1.05E 02	5.23E 00	3.73E-07	2.69E-08	1.92E 01	6.46E-01
50000.	-6.93E-02	1.04E 02	1.04E 01	3.68E-07	5.33E-08	1.92E 01	1.29E 00
100000.	-1.39E-01	1.01E 02	2.01E 01	3.50E-07	1.02E-07	1.89E 01	2.53E 00
150000.	-2.08E-01	9.61E 01	2.87E 01	3.22E-07	1.44E-07	1.85E 01	3.70E 00

P= 50.000 T= 17000. NTOT=2.16E 19 DEBYE=4.16E-07 LAMBDA=1.69E 01 LNLMBD= 2.83
N1=4.67525E 18 N2=1.22365E 19 N3=4.67478E 18 N4=2.37416E 14 N5=6.45999E 05

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.22E 02	0.00E-01	5.07E-07	0.00E-01	2.47E 01	0.00E-01
500.	-6.07E-04	1.22E 02	1.11E-01	5.07E-07	6.76E-10	2.47E 01	1.59E-02
1000.	-1.21E-03	1.22E 02	2.22E-01	5.07E-07	1.35E-09	2.47E 01	3.19E-02
2500.	-3.04E-03	1.22E 02	5.54E-01	5.07E-07	3.38E-09	2.47E 01	7.96E-02
5000.	-6.07E-03	1.22E 02	1.11E 00	5.07E-07	6.76E-09	2.47E 01	1.59E-01
7500.	-9.11E-03	1.22E 02	1.66E 00	5.07E-07	1.01E-08	2.47E 01	2.39E-01
10000.	-1.21E-02	1.22E 02	2.21E 00	5.07E-07	1.35E-08	2.47E 01	3.18E-01
25000.	-3.04E-02	1.22E 02	5.53E 00	5.05E-07	3.37E-08	2.47E 01	7.95E-01
50000.	-6.07E-02	1.21E 02	1.10E 01	5.00E-07	6.68E-08	2.46E 01	1.58E 00
100000.	-1.21E-01	1.18E 02	2.14E 01	4.78E-07	1.29E-07	2.43E 01	3.12E 00
150000.	-1.82E-01	1.13E 02	3.07E 01	4.45E-07	1.83E-07	2.38E 01	4.57E 00

P= 50.000 T= 18000. NTOT=2.04E 19 DEBYE=3.90E-07 LAMBDA=1.68E 01 LNLMBD= 2.82
N1=5.63822E 18 N2=9.11180E 18 N3=5.63672E 18 N4=7.49672E 14 N5=8.98336E 06

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.38E 02	0.00E-01	6.52E-07	0.00E-01	3.05E 01	0.00E-01
500.	-5.59E-04	1.38E 02	1.19E-01	6.52E-07	8.38E-10	3.05E 01	1.94E-02
1000.	-1.12E-03	1.38E 02	2.38E-01	6.52E-07	1.68E-09	3.05E 01	3.88E-02
2500.	-2.79E-03	1.38E 02	5.96E-01	6.52E-07	4.19E-09	3.05E 01	9.70E-02
5000.	-5.59E-03	1.38E 02	1.19E 00	6.52E-07	8.38E-09	3.05E 01	1.94E-01
7500.	-8.38E-03	1.38E 02	1.79E 00	6.52E-07	1.26E-08	3.05E 01	2.91E-01
10000.	-1.12E-02	1.38E 02	2.38E 00	6.52E-07	1.68E-08	3.05E 01	3.88E-01
25000.	-2.79E-02	1.38E 02	5.95E 00	6.50E-07	4.18E-08	3.05E 01	9.69E-01
50000.	-5.59E-02	1.37E 02	1.18E 01	6.43E-07	8.29E-08	3.04E 01	1.93E 00
100000.	-1.12E-01	1.34E 02	2.31E 01	6.17E-07	1.61E-07	3.00E 01	3.80E 00
150000.	-1.68E-01	1.29E 02	3.33E 01	5.78E-07	2.29E-07	2.94E 01	5.57E 00

P= 50.000 T= 19000. NTOT=1.93E 19 DEBYE=3.76E-07 LAMBDA=1.71E 01 LNLMBD= 2.84
N1=6.39347E 18 N2=6.52959E 18 N3=6.38932E 18 N4=2.07191E 15 N5=9.57075E 07

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.53E 02	0.00E-01	8.04E-07	0.00E-01	3.64E 01	0.00E-01
500.	-5.36E-04	1.53E 02	1.30E-01	8.04E-07	1.03E-09	3.64E 01	2.34E-02
1000.	-1.07E-03	1.53E 02	2.61E-01	8.04E-07	2.06E-09	3.64E 01	4.68E-02
2500.	-2.68E-03	1.53E 02	6.52E-01	8.04E-07	5.15E-09	3.64E 01	1.17E-01
5000.	-5.36E-03	1.53E 02	1.30E 00	8.04E-07	1.03E-08	3.64E 01	2.34E-01
7500.	-8.04E-03	1.53E 02	1.95E 00	8.04E-07	1.54E-08	3.64E 01	3.51E-01
10000.	-1.07E-02	1.53E 02	2.61E 00	8.03E-07	2.06E-08	3.64E 01	4.68E-01
25000.	-2.68E-02	1.53E 02	6.50E 00	8.01E-07	5.14E-08	3.64E 01	1.17E 00
50000.	-5.36E-02	1.52E 02	1.29E 01	7.93E-07	1.02E-07	3.63E 01	2.33E 00
100000.	-1.07E-01	1.49E 02	2.52E 01	7.61E-07	1.97E-07	3.58E 01	4.59E 00
150000.	-1.61E-01	1.44E 02	3.64E 01	7.12E-07	2.81E-07	3.50E 01	6.72E 00

P= 50.000 T= 20000. NTOT=1.83E 19 DEBYE=3.71E-07 LAMBDA=1.78E 01 LNLMBD= 2.88
N1=6.92081E 18 N2=4.51225E 18 N3=6.91056E 18 N4=5.12500E 15 N5=8.13218E 08

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.67E 02	0.00E-01	9.59E-07	0.00E-01	4.23E 01	0.00E-01
500.	-5.31E-04	1.67E 02	1.44E-01	9.59E-07	1.25E-09	4.23E 01	2.80E-02
1000.	-1.06E-03	1.67E 02	2.88E-01	9.59E-07	2.51E-09	4.23E 01	5.61E-02
2500.	-2.66E-03	1.67E 02	7.20E-01	9.59E-07	6.27E-09	4.23E 01	1.40E-01
5000.	-5.31E-03	1.67E 02	1.44E 00	9.59E-07	1.25E-08	4.23E 01	2.80E-01
7500.	-7.97E-03	1.67E 02	2.16E 00	9.59E-07	1.88E-08	4.23E 01	4.20E-01
10000.	-1.06E-02	1.67E 02	2.88E 00	9.58E-07	2.51E-08	4.23E 01	5.60E-01
25000.	-2.66E-02	1.67E 02	7.18E 00	9.55E-07	6.26E-08	4.22E 01	1.40E 00
50000.	-5.31E-02	1.66E 02	1.43E 01	9.45E-07	1.24E-07	4.21E 01	2.79E 00
100000.	-1.06E-01	1.62E 02	2.78E 01	9.06E-07	2.40E-07	4.15E 01	5.49E 00
150000.	-1.59E-01	1.56E 02	4.01E 01	8.45E-07	3.40E-07	4.05E 01	8.02E 00

P= 50.000 T= 21000. NTOT=1.75E 19 DEBYE=3.73E-07 LAMBDA=1.88E 01 LNLMBD= 2.93
N1=7.18826E 18 N2=3.11001E 18 N3=7.16520E 18 N4=1.15295E 16 N5=5.70811E 09

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.79E 02	0.00E-01	1.11E-06	0.00E-01	4.78E 01	0.00E-01
500.	-5.41E-04	1.79E 02	1.61E-01	1.11E-06	1.51E-09	4.78E 01	3.32E-02
1000.	-1.08E-03	1.79E 02	3.21E-01	1.11E-06	3.03E-09	4.78E 01	6.64E-02
2500.	-2.71E-03	1.79E 02	8.03E-01	1.11E-06	7.57E-09	4.78E 01	1.66E-01
5000.	-5.41E-03	1.79E 02	1.61E 00	1.11E-06	1.51E-08	4.78E 01	3.32E-01
7500.	-8.12E-03	1.79E 02	2.41E 00	1.11E-06	2.27E-08	4.78E 01	4.98E-01
10000.	-1.08E-02	1.79E 02	3.21E 00	1.11E-06	3.03E-08	4.78E 01	6.64E-01
25000.	-2.71E-02	1.79E 02	8.01E 00	1.11E-06	7.55E-08	4.78E 01	1.66E 00
50000.	-5.41E-02	1.78E 02	1.59E 01	1.09E-06	1.50E-07	4.76E 01	3.30E 00
100000.	-1.08E-01	1.73E 02	3.10E 01	1.04E-06	2.88E-07	4.69E 01	6.48E 00
150000.	-1.62E-01	1.67E 02	4.45E 01	9.68E-07	4.07E-07	4.57E 01	9.45E 00

P= 50.000 T= 22000. NTOT=1.67E 19 DEBYE=3.80E-07 LAMBDA=2.00E 01 LNLMBD= 3.00
N1=7.25816E 18 N2=2.18832E 18 N3=7.21024E 18 N4=2.39631E 16 N5=3.39991E 10

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.90E 02	0.00E-01	1.26E-06	0.00E-01	5.34E 01	0.00E-01
500.	-5.64E-04	1.90E 02	1.80E-01	1.26E-06	1.82E-09	5.34E 01	3.92E-02
1000.	-1.13E-03	1.90E 02	3.60E-01	1.26E-06	3.63E-09	5.34E 01	7.84E-02
2500.	-2.82E-03	1.90E 02	8.99E-01	1.26E-06	9.08E-09	5.34E 01	1.96E-01
5000.	-5.64E-03	1.90E 02	1.80E 00	1.26E-06	1.82E-08	5.34E 01	3.92E-01
7500.	-8.46E-03	1.90E 02	2.70E 00	1.26E-06	2.72E-08	5.33E 01	5.88E-01
10000.	-1.13E-02	1.90E 02	3.59E 00	1.26E-06	3.63E-08	5.33E 01	7.83E-01
25000.	-2.82E-02	1.90E 02	8.97E 00	1.25E-06	9.05E-08	5.33E 01	1.96E 00
50000.	-5.64E-02	1.88E 02	1.78E 01	1.24E-06	1.79E-07	5.30E 01	3.89E 00
100000.	-1.13E-01	1.83E 02	3.45E 01	1.17E-06	3.44E-07	5.21E 01	7.63E 00
150000.	-1.69E-01	1.75E 02	4.93E 01	1.08E-06	4.82E-07	5.07E 01	1.11E 01

P= 50.000 T= 23000. NTOT=1.60E 19 DEBYE=3.89E-07 LAMBDA=2.14E 01 LNLMBD= 3.06
N1=7.23069E 18 N2=1.54067E 18 N3=7.13746E 18 N4=4.66141E 16 N5=1.75179E 11

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.00E 02	0.00E-01	1.40E-06	0.00E-01	5.87E 01	0.00E-01
500.	-5.90E-04	2.00E 02	2.00E-01	1.40E-06	2.14E-09	5.87E 01	4.57E-02
1000.	-1.18E-03	2.00E 02	3.99E-01	1.40E-06	4.28E-09	5.87E 01	9.14E-02
2500.	-2.95E-03	2.00E 02	9.98E-01	1.40E-06	1.07E-08	5.87E 01	2.28E-01
5000.	-5.90E-03	2.00E 02	2.00E 00	1.40E-06	2.14E-08	5.87E 01	4.57E-01
7500.	-8.84E-03	2.00E 02	2.99E 00	1.40E-06	3.21E-08	5.86E 01	6.85E-01
10000.	-1.18E-02	2.00E 02	3.99E 00	1.40E-06	4.28E-08	5.86E 01	9.13E-01
25000.	-2.95E-02	1.99E 02	9.95E 00	1.39E-06	1.07E-07	5.86E 01	2.28E 00
50000.	-5.90E-02	1.97E 02	1.97E 01	1.37E-06	2.11E-07	5.83E 01	4.53E 00
100000.	-1.18E-01	1.91E 02	3.81E 01	1.29E-06	4.02E-07	5.71E 01	8.87E 00
150000.	-1.77E-01	1.82E 02	5.42E 01	1.18E-06	5.60E-07	5.54E 01	1.28E 01

P= 50.000 T= 24000. NTOT=1.53E 19 DEBYE=4.00E-07 LAMBDA=2.30E 01 LNLMBD= 3.14
N1=7.13494E 18 N2=1.10622E 18 N3=6.96401E 18 N4=8.54676E 16 N5=7.93735E 11

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.08E 02	0.00E-01	1.54E-06	0.00E-01	6.38E 01	0.00E-01
500.	-6.18E-04	2.08E 02	2.20E-01	1.54E-06	2.49E-09	6.38E 01	5.28E-02
1000.	-1.24E-03	2.08E 02	4.40E-01	1.54E-06	4.98E-09	6.38E 01	1.06E-01
2500.	-3.09E-03	2.08E 02	1.10E 00	1.54E-06	1.24E-08	6.38E 01	2.64E-01
5000.	-6.18E-03	2.08E 02	2.20E 00	1.54E-06	2.49E-08	6.38E 01	5.28E-01
7500.	-9.27E-03	2.08E 02	3.30E 00	1.54E-06	3.73E-08	6.38E 01	7.92E-01
10000.	-1.24E-02	2.08E 02	4.39E 00	1.54E-06	4.98E-08	6.38E 01	1.06E 00
25000.	-3.09E-02	2.07E 02	1.10E 01	1.53E-06	1.24E-07	6.37E 01	2.63E 00
50000.	-6.18E-02	2.05E 02	2.17E 01	1.50E-06	2.45E-07	6.34E 01	5.24E 00
100000.	-1.24E-01	1.98E 02	4.18E 01	1.41E-06	4.64E-07	6.20E 01	1.02E 01
150000.	-1.85E-01	1.88E 02	5.90E 01	1.27E-06	6.41E-07	5.99E 01	1.47E 01

P= 50.000 T= 25000. NTOT=1.47E 19 DEBYE=4.12E-07 LAMBDA=2.47E 01 LNLMBD= 3.21
N1=7.00823E 18 N2=8.10974E 17 N3=6.71137E 18 N4=1.48425E 17 N5=3.19865E 12

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.15E 02	0.00E-01	1.67E-06	0.00E-01	6.90E 01	0.00E-01
500.	-6.46E-04	2.15E 02	2.40E-01	1.67E-06	2.86E-09	6.90E 01	6.04E-02
1000.	-1.29E-03	2.15E 02	4.79E-01	1.67E-06	5.72E-09	6.90E 01	1.21E-01
2500.	-3.23E-03	2.15E 02	1.20E 00	1.67E-06	1.43E-08	6.90E 01	3.02E-01
5000.	-6.46E-03	2.15E 02	2.40E 00	1.67E-06	2.86E-08	6.90E 01	6.04E-01
7500.	-9.69E-03	2.15E 02	3.59E 00	1.67E-06	4.29E-08	6.89E 01	9.06E-01
10000.	-1.29E-02	2.15E 02	4.79E 00	1.67E-06	5.71E-08	6.89E 01	1.21E 00
25000.	-3.23E-02	2.14E 02	1.19E 01	1.66E-06	1.42E-07	6.88E 01	3.01E 00
50000.	-6.46E-02	2.12E 02	2.36E 01	1.63E-06	2.80E-07	6.84E 01	5.99E 00
100000.	-1.29E-01	2.04E 02	4.53E 01	1.52E-06	5.29E-07	6.67E 01	1.16E 01
150000.	-1.94E-01	1.92E 02	6.36E 01	1.35E-06	7.23E-07	6.42E 01	1.67E 01

P= 50.000 T= 26000. NTOT=1.41E 19 DEBYE=4.24E-07 LAMBDA=2.64E 01 LNLMBD= 3.27
N1=6.87670E 18 N2=6.05752E 17 N3=6.38724E 18 N4=2.44717E 17 N5=1.15559E 13

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.20E 02	0.00E-01	1.80E-06	0.00E-01	7.40E 01	0.00E-01
500.	-6.72E-04	2.20E 02	2.58E-01	1.80E-06	3.23E-09	7.40E 01	6.84E-02
1000.	-1.34E-03	2.20E 02	5.15E-01	1.80E-06	6.47E-09	7.40E 01	1.37E-01
2500.	-3.36E-03	2.20E 02	1.29E 00	1.80E-06	1.62E-08	7.40E 01	3.42E-01
5000.	-6.72E-03	2.20E 02	2.58E 00	1.80E-06	3.23E-08	7.40E 01	6.84E-01
7500.	-1.01E-02	2.20E 02	3.86E 00	1.80E-06	4.85E-08	7.40E 01	1.03E 00
10000.	-1.34E-02	2.20E 02	5.15E 00	1.80E-06	6.46E-08	7.40E 01	1.37E 00
25000.	-3.36E-02	2.20E 02	1.28E 01	1.79E-06	1.61E-07	7.38E 01	3.41E 00
50000.	-6.72E-02	2.17E 02	2.54E 01	1.75E-06	3.16E-07	7.33E 01	6.77E 00
100000.	-1.34E-01	2.08E 02	4.84E 01	1.62E-06	5.93E-07	7.13E 01	1.31E 01
150000.	-2.01E-01	1.95E 02	6.76E 01	1.43E-06	8.05E-07	6.83E 01	1.88E 01

P= 100.000 T= 3000. NTOT=2.45E 20 DEBYE=5.01E-02 LAMBDA=3.59E 05 LNLMBD=12.79
N1=5.70265E 07 N2=2.44650E 20 N3=5.70265E 07 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.96E-08	0.00E-01	-9.12E-17	0.00E-01	9.42E-10	0.00E-01
500.	-1.07E-02	5.94E-08	3.30E-09	-9.08E-17	-6.53E-18	9.41E-10	2.49E-11
1000.	-2.14E-02	5.88E-08	6.51E-09	-8.94E-17	-1.29E-17	9.37E-10	4.95E-11
2500.	-5.36E-02	5.48E-08	1.49E-08	-8.09E-17	-2.91E-17	9.16E-10	1.18E-10
5000.	-1.07E-01	4.50E-08	2.31E-08	-6.07E-17	-4.37E-17	8.56E-10	2.06E-10
7500.	-1.61E-01	3.66E-08	2.57E-08	-4.27E-17	-4.67E-17	7.88E-10	2.60E-10
10000.	-2.14E-01	3.17E-08	2.58E-08	-3.54E-17	-4.48E-17	7.26E-10	2.91E-10
25000.	-5.36E-01	1.34E-08	1.92E-08	-8.13E-18	-2.61E-17	5.07E-10	3.30E-10
50000.	-1.07E 00	5.60E-09	1.25E-08	1.82E-18	-1.39E-17	3.88E-10	3.04E-10
100000.	-2.14E 00	2.32E-09	7.49E-09	2.96E-18	-5.02E-18	2.10E-10	2.58E-10
150000.	-3.21E 00	1.28E-09	5.40E-09	2.13E-18	-2.36E-18	1.28E-10	2.16E-10

P= 100.000 T= 4000. NTOT=1.83E 20 DEBYE=1.22E-03 LAMBDA=1.17E 04 LNLMBD= 9.37
N1=1.27314E 11 N2=1.83487E 20 N3=1.27314E 11 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.27E-04	0.00E-01	-3.04E-13	0.00E-01	2.49E-06	0.00E-01
500.	-8.32E-03	1.26E-04	8.41E-06	-3.02E-13	-2.56E-14	2.49E-06	6.94E-08
1000.	-1.66E-02	1.24E-04	1.65E-05	-2.95E-13	-5.00E-14	2.48E-06	1.37E-07
2500.	-4.16E-02	1.12E-04	3.59E-05	-2.57E-13	-1.08E-13	2.41E-06	3.20E-07
5000.	-8.32E-02	8.75E-05	5.04E-05	-1.80E-13	-1.46E-13	2.24E-06	5.37E-07
7500.	-1.25E-01	7.14E-05	5.23E-05	-1.21E-13	-1.46E-13	2.07E-06	6.68E-07
10000.	-1.66E-01	6.37E-05	5.04E-05	-1.04E-13	-1.35E-13	1.91E-06	7.46E-07
25000.	-4.16E-01	2.97E-05	3.75E-05	-3.21E-14	-7.44E-14	1.30E-06	8.40E-07
50000.	-8.32E-01	1.28E-05	2.56E-05	8.87E-16	-4.37E-14	1.06E-06	7.82E-07
100000.	-1.66E 00	5.60E-06	1.56E-05	8.01E-15	-1.76E-14	6.32E-07	6.65E-07
150000.	-2.49E 00	3.29E-06	1.14E-05	6.54E-15	-8.71E-15	3.98E-07	5.87E-07

P= 100.000 T= 5000. NTOT=1.47E 20 DEBYE=1.34E-04 LAMBDA=1.61E 03 LNLMBD= 7.38
N1=1.32062E 13 N2=1.46790E 20 N3=1.32062E 13 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.19E-02	0.00E-01	-3.86E-11	0.00E-01	2.86E-04	0.00E-01
500.	-6.92E-03	1.18E-02	8.47E-04	-3.82E-11	-3.49E-12	2.85E-04	6.98E-06
1000.	-1.38E-02	1.16E-02	1.64E-03	-3.72E-11	-6.75E-12	2.85E-04	1.40E-05
2500.	-3.46E-02	1.03E-02	3.42E-03	-3.17E-11	-1.39E-11	2.79E-04	3.42E-05
5000.	-6.92E-02	8.01E-03	4.56E-03	-2.19E-11	-1.79E-11	2.61E-04	5.98E-05
7500.	-1.04E-01	6.34E-03	4.69E-03	-1.37E-11	-1.76E-11	2.41E-04	7.48E-05
10000.	-1.38E-01	5.83E-03	4.52E-03	-1.23E-11	-1.63E-11	2.24E-04	8.37E-05
25000.	-3.46E-01	3.12E-03	3.32E-03	-4.94E-12	-8.50E-12	1.47E-04	9.52E-05
50000.	-6.92E-01	1.40E-03	2.46E-03	-5.01E-13	-5.61E-12	1.26E-04	9.00E-05
100000.	-1.38E 00	6.16E-04	1.53E-03	8.44E-13	-2.48E-12	8.13E-05	7.47E-05
150000.	-2.08E 00	3.72E-04	1.14E-03	8.02E-13	-1.29E-12	5.31E-05	6.94E-05

P= 100.000 T= 6000. NTOT=1.22E 20 DEBYE=3.11E-05 LAMBDA=4.47E 02 LNLMBD= 6.10
N1=2.95211E 14 N2=1.22324E 20 N3=2.95211E 14 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.04E-01	0.00E-01	-7.12E-10	0.00E-01	4.89E-03	0.00E-01
500.	-5.96E-03	2.03E-01	1.11E-02	-7.09E-10	-4.50E-11	4.90E-03	1.53E-05
1000.	-1.19E-02	2.01E-01	2.17E-02	-6.99E-10	-8.85E-11	4.92E-03	3.06E-05
2500.	-2.98E-02	1.86E-01	4.80E-02	-6.42E-10	-2.00E-10	5.09E-03	7.66E-05
5000.	-5.96E-02	1.55E-01	7.08E-02	-5.10E-10	-3.03E-10	5.39E-03	1.75E-04
7500.	-8.95E-02	1.19E-01	7.79E-02	-3.04E-10	-3.34E-10	5.46E-03	6.24E-04
10000.	-1.19E-01	1.12E-01	7.87E-02	-2.83E-10	-3.33E-10	5.35E-03	1.03E-03
25000.	-2.98E-01	6.97E-02	6.04E-02	-1.44E-10	-1.86E-10	3.48E-03	2.00E-03
50000.	-5.96E-01	3.35E-02	5.03E-02	-2.99E-11	-1.42E-10	3.08E-03	2.08E-03
100000.	-1.19E 00	1.47E-02	3.26E-02	1.60E-11	-6.90E-11	2.13E-03	1.72E-03
150000.	-1.79E 00	8.93E-03	2.45E-02	1.91E-11	-3.77E-11	1.45E-03	1.68E-03

P= 100.000 T= 7000. NTOT=1.05E 20 DEBYE=1.10E-05 LAMBDA=1.85E 02 LNLMBD= 5.22
N1=2.74882E 15 N2=1.04844E 20 N3=2.74882E 15 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.05E 00	0.00E-01	-3.12E-09	0.00E-01	3.51E-02	0.00E-01
500.	-5.16E-03	1.05E 00	2.19E-02	-3.12E-09	-7.51E-11	3.51E-02	7.07E-05
1000.	-1.03E-02	1.05E 00	4.37E-02	-3.11E-09	-1.50E-10	3.51E-02	1.42E-04
2500.	-2.58E-02	1.04E 00	1.08E-01	-3.08E-09	-3.71E-10	3.52E-02	3.56E-04
5000.	-5.16E-02	9.99E-01	2.04E-01	-2.95E-09	-7.12E-10	3.55E-02	7.39E-04
7500.	-7.73E-02	8.33E-01	2.82E-01	-2.28E-09	-1.00E-09	3.59E-02	1.18E-03
10000.	-1.03E-01	8.10E-01	3.40E-01	-2.19E-09	-1.23E-09	3.64E-02	1.73E-03
25000.	-2.58E-01	6.13E-01	3.76E-01	-1.48E-09	-1.29E-09	3.24E-02	6.67E-03
50000.	-5.16E-01	3.48E-01	3.93E-01	-5.34E-10	-1.26E-09	2.96E-02	1.26E-02
100000.	-1.03E 00	1.55E-01	2.86E-01	5.54E-11	-7.28E-10	2.23E-02	1.52E-02
150000.	-1.55E 00	9.27E-02	2.19E-01	1.51E-10	-4.25E-10	1.61E-02	1.59E-02

P= 100.000 T= 8000. NTOT=9.17E 19 DEBYE=5.07E-06 LAMBDA=9.71E 01 LNLMBD= 4.58
N1=1.48229E 16 N2=9.17141E 19 N3=1.48229E 16 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.21E 00	0.00E-01	-7.23E-09	0.00E-01	1.57E-01	0.00E-01
500.	-4.30E-03	3.21E 00	2.85E-02	-7.23E-09	-7.46E-11	1.57E-01	4.37E-04
1000.	-8.60E-03	3.20E 00	5.70E-02	-7.23E-09	-1.50E-10	1.57E-01	8.75E-04
2500.	-2.15E-02	3.20E 00	1.42E-01	-7.21E-09	-3.72E-10	1.57E-01	2.19E-03
5000.	-4.30E-02	3.18E 00	2.82E-01	-7.17E-09	-7.40E-10	1.57E-01	4.37E-03
7500.	-6.45E-02	2.94E 00	4.17E-01	-7.20E-09	-1.10E-09	1.57E-01	6.55E-03
10000.	-8.60E-02	2.91E 00	5.45E-01	-7.10E-09	-1.45E-09	1.57E-01	8.72E-03
25000.	-2.15E-01	2.61E 00	9.47E-01	-6.04E-09	-3.10E-09	1.59E-01	2.14E-02
50000.	-4.30E-01	1.94E 00	1.37E 00	-3.66E-09	-4.27E-09	1.51E-01	4.04E-02
100000.	-8.60E-01	1.02E 00	1.32E 00	-7.07E-10	-3.53E-09	1.25E-01	6.61E-02
150000.	-1.29E 00	6.09E-01	1.10E 00	2.67E-10	-2.39E-09	9.83E-02	7.62E-02

P= 100.000 T= 9000. NTOT=8.15E 19 DEBYE=2.78E-06 LAMBDA=5.98E 01 LNLMBD= 4.09
N1=5.55644E 16 N2=8.14388E 19 N3=5.55644E 16 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	7.32E 00	0.00E-01	-1.22E-08	0.00E-01	5.01E-01	0.00E-01
500.	-3.36E-03	7.32E 00	3.47E-02	-1.22E-08	-7.20E-11	5.01E-01	9.40E-04
1000.	-6.73E-03	7.32E 00	6.94E-02	-1.22E-08	-1.44E-10	5.01E-01	1.88E-03
2500.	-1.68E-02	7.32E 00	1.73E-01	-1.22E-08	-3.60E-10	5.01E-01	4.70E-03
5000.	-3.36E-02	7.31E 00	3.46E-01	-1.22E-08	-7.18E-10	5.01E-01	9.39E-03
7500.	-5.05E-02	7.02E 00	5.17E-01	-1.21E-08	-1.07E-09	5.00E-01	1.41E-02
10000.	-6.73E-02	6.99E 00	6.87E-01	-1.21E-08	-1.43E-09	5.00E-01	1.88E-02
25000.	-1.68E-01	6.74E 00	1.41E 00	-1.14E-08	-3.41E-09	4.96E-01	4.65E-02
50000.	-3.36E-01	5.97E 00	2.49E 00	-9.34E-09	-5.88E-09	4.83E-01	9.04E-02
100000.	-6.73E-01	4.14E 00	3.41E 00	-4.65E-09	-7.38E-09	4.37E-01	1.63E-01
150000.	-1.01E 00	2.78E 00	3.36E 00	-1.56E-09	-6.44E-09	3.79E-01	2.09E-01

P= 100.000 T= 10000. NTOT=7.34E 19 DEBYE=1.72E-06 LAMBDA=4.11E 01 LNLMBD= 3.72
N1=1.61618E 17 N2=7.30717E 19 N3=1.61618E 17 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.37E 01	0.00E-01	-1.22E-08	0.00E-01	1.16E 00	0.00E-01
500.	-2.49E-03	1.37E 01	3.83E-02	-1.22E-08	-4.53E-11	1.16E 00	1.47E-03
1000.	-4.98E-03	1.37E 01	7.65E-02	-1.22E-08	-9.06E-11	1.16E 00	2.93E-03
2500.	-1.24E-02	1.37E 01	1.91E-01	-1.22E-08	-2.27E-10	1.16E 00	7.33E-03
5000.	-2.49E-02	1.37E 01	3.82E-01	-1.22E-08	-4.53E-10	1.16E 00	1.47E-02
7500.	-3.73E-02	1.37E 01	5.73E-01	-1.21E-08	-6.79E-10	1.16E 00	2.20E-02
10000.	-4.98E-02	1.37E 01	7.63E-01	-1.21E-08	-9.03E-10	1.16E 00	2.93E-02
25000.	-1.24E-01	1.37E 01	1.84E 00	-1.18E-08	-2.22E-09	1.15E 00	7.30E-02
50000.	-2.49E-01	1.28E 01	3.48E 00	-1.09E-08	-4.17E-09	1.14E 00	1.44E-01
100000.	-4.98E-01	1.06E 01	5.77E 00	-8.01E-09	-6.67E-09	1.09E 00	2.74E-01
150000.	-7.47E-01	8.29E 00	6.72E 00	-5.05E-09	-7.38E-09	1.01E 00	3.81E-01

P= 100.000 T= 11000. NTOT=6.67E 19 DEBYE=1.16E-06 LAMBDA=3.05E 01 LNLMBD= 3.42
N1=3.90274E 17 N2=6.59422E 19 N3=3.90274E 17 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.36E 01	0.00E-01	-2.02E-09	0.00E-01	2.24E 00	0.00E-01
500.	-1.78E-03	2.36E 01	4.53E-02	-2.02E-09	-3.32E-12	2.24E 00	1.99E-03
1000.	-3.57E-03	2.36E 01	9.06E-02	-2.02E-09	-6.65E-12	2.24E 00	3.97E-03
2500.	-8.91E-03	2.36E 01	2.26E-01	-2.02E-09	-1.66E-11	2.24E 00	9.94E-03
5000.	-1.78E-02	2.36E 01	4.53E-01	-2.02E-09	-3.32E-11	2.24E 00	1.99E-02
7500.	-2.67E-02	2.36E 01	6.79E-01	-2.02E-09	-4.98E-11	2.24E 00	2.98E-02
10000.	-3.57E-02	2.35E 01	9.04E-01	-2.02E-09	-6.64E-11	2.24E 00	3.97E-02
25000.	-8.91E-02	2.34E 01	2.24E 00	-2.01E-09	-1.65E-10	2.24E 00	9.92E-02
50000.	-1.78E-01	2.27E 01	4.37E 00	-1.98E-09	-3.26E-10	2.22E 00	1.97E-01
100000.	-3.57E-01	2.05E 01	7.88E 00	-1.86E-09	-6.19E-10	2.17E 00	3.85E-01
150000.	-5.35E-01	1.77E 01	1.02E 01	-1.68E-09	-8.59E-10	2.09E 00	5.56E-01

P= 100.000 T= 12000. NTOT=6.12E 19 DEBYE=8.41E-07 LAMBDA=2.42E 01 LNLMBD= 3.18
N1=8.07801E 17 N2=5.95468E 19 N3=8.07801E 17 N4=4.17156E 10 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.61E 01	0.00E-01	2.18E-08	0.00E-01	3.87E 00	0.00E-01
500.	-1.28E-03	3.61E 01	5.18E-02	2.18E-08	4.50E-11	3.87E 00	2.61E-03
1000.	-2.57E-03	3.61E 01	1.04E-01	2.18E-08	9.00E-11	3.87E 00	5.21E-03
2500.	-6.42E-03	3.61E 01	2.59E-01	2.18E-08	2.25E-10	3.87E 00	1.30E-02
5000.	-1.28E-02	3.61E 01	5.18E-01	2.18E-08	4.50E-10	3.87E 00	2.61E-02
7500.	-1.92E-02	3.61E 01	7.77E-01	2.18E-08	6.74E-10	3.87E 00	3.91E-02
10000.	-2.57E-02	3.60E 01	1.04E 00	2.18E-08	8.99E-10	3.87E 00	5.21E-02
25000.	-6.42E-02	3.59E 01	2.58E 00	2.17E-08	2.24E-09	3.87E 00	1.30E-01
50000.	-1.28E-01	3.53E 01	5.08E 00	2.11E-08	4.39E-09	3.86E 00	2.59E-01
100000.	-2.57E-01	3.33E 01	9.56E 00	1.91E-08	8.17E-09	3.81E 00	5.12E-01
150000.	-3.85E-01	3.04E 01	1.31E 01	1.63E-08	1.10E-08	3.72E 00	7.51E-01

P= 100.000 T= 13000. NTOT=5.65E 19 DEBYE=6.43E-07 LAMBDA=2.00E 01 LNLMBD= 3.00
N1=1.49884E 18 N2=5.34600E 19 N3=1.49884E 18 N4=4.10981E 11 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.10E 01	0.00E-01	6.34E-08	0.00E-01	6.22E 00	0.00E-01
500.	-9.41E-04	5.10E 01	5.66E-02	6.34E-08	9.74E-11	6.22E 00	3.41E-03
1000.	-1.88E-03	5.10E 01	1.13E-01	6.34E-08	1.95E-10	6.22E 00	6.82E-03
2500.	-4.70E-03	5.10E 01	2.83E-01	6.34E-08	4.87E-10	6.22E 00	1.71E-02
5000.	-9.41E-03	5.09E 01	5.65E-01	6.33E-08	9.73E-10	6.22E 00	3.41E-02
7500.	-1.41E-02	5.09E 01	8.48E-01	6.33E-08	1.46E-09	6.22E 00	5.12E-02
10000.	-1.88E-02	5.09E 01	1.13E 00	6.33E-08	1.95E-09	6.22E 00	6.82E-02
25000.	-4.70E-02	5.08E 01	2.82E 00	6.31E-08	4.85E-09	6.22E 00	1.70E-01
50000.	-9.41E-02	5.03E 01	5.58E 00	6.22E-08	9.60E-09	6.21E 00	3.40E-01
100000.	-1.88E-01	4.85E 01	1.08E 01	5.88E-08	1.84E-08	6.15E 00	6.74E-01
150000.	-2.82E-01	4.58E 01	1.52E 01	5.36E-08	2.58E-08	6.06E 00	9.96E-01

P= 100.000 T= 14000. NTOT=5.24E 19 DEBYE=5.14E-07 LAMBDA=1.72E 01 LNLMBD= 2.85
N1=2.52394E 18 N2=4.73771E 19 N3=2.52394E 18 N4=2.97006E 12 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	6.77E 01	0.00E-01	1.25E-07	0.00E-01	9.43E 00	0.00E-01
500.	-7.16E-04	6.77E 01	6.00E-02	1.25E-07	1.53E-10	9.43E 00	4.48E-03
1000.	-1.43E-03	6.77E 01	1.20E-01	1.25E-07	3.06E-10	9.43E 00	8.96E-03
2500.	-3.58E-03	6.77E 01	3.00E-01	1.25E-07	7.65E-10	9.43E 00	2.24E-02
5000.	-7.16E-03	6.77E 01	6.00E-01	1.25E-07	1.53E-09	9.43E 00	4.48E-02
7500.	-1.07E-02	6.77E 01	9.01E-01	1.25E-07	2.29E-09	9.43E 00	6.72E-02
10000.	-1.43E-02	6.77E 01	1.20E 00	1.25E-07	3.06E-09	9.43E 00	8.96E-02
25000.	-3.58E-02	6.76E 01	3.00E 00	1.25E-07	7.63E-09	9.43E 00	2.24E-01
50000.	-7.16E-02	6.72E 01	5.96E 00	1.23E-07	1.52E-08	9.41E 00	4.47E-01
100000.	-1.43E-01	6.56E 01	1.16E 01	1.19E-07	2.95E-08	9.35E 00	8.87E-01
150000.	-2.15E-01	6.32E 01	1.68E 01	1.12E-07	4.23E-08	9.24E 00	1.31E 00

P= 100.000 T= 15000. NTOT=4.89E 19 DEBYE=4.28E-07 LAMBDA=1.54E 01 LNLMBD= 2.73
N1=3.90250E 18 N2=4.11250E 19 N3=3.90247E 18 N4=1.66361E 13 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	8.58E 01	0.00E-01	2.09E-07	0.00E-01	1.36E 01	0.00E-01
500.	-5.68E-04	8.58E 01	6.30E-02	2.09E-07	2.15E-10	1.36E 01	5.82E-03
1000.	-1.14E-03	8.58E 01	1.26E-01	2.09E-07	4.30E-10	1.36E 01	1.16E-02
2500.	-2.84E-03	8.58E 01	3.15E-01	2.09E-07	1.07E-09	1.36E 01	2.91E-02
5000.	-5.68E-03	8.58E 01	6.30E-01	2.09E-07	2.15E-09	1.36E 01	5.82E-02
7500.	-8.52E-03	8.58E 01	9.46E-01	2.09E-07	3.22E-09	1.36E 01	8.73E-02
10000.	-1.14E-02	8.57E 01	1.26E 00	2.09E-07	4.30E-09	1.36E 01	1.16E-01
25000.	-2.84E-02	8.56E 01	3.15E 00	2.09E-07	1.07E-08	1.36E 01	2.91E-01
50000.	-5.68E-02	8.53E 01	6.27E 00	2.07E-07	2.14E-08	1.35E 01	5.81E-01
100000.	-1.14E-01	8.39E 01	1.23E 01	2.02E-07	4.19E-08	1.35E 01	1.15E 00
150000.	-1.70E-01	8.17E 01	1.80E 01	1.94E-07	6.08E-08	1.33E 01	1.71E 00

P= 100.000 T= 16000. NTOT=4.59E 19 DEBYE=3.69E-07 LAMBDA=1.41E 01 LNLMBD= 2.65
N1=5.58795E 18 N2=3.46960E 19 N3=5.58780E 18 N4=7.52024E 13 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.05E 02	0.00E-01	3.18E-07	0.00E-01	1.86E 01	0.00E-01
500.	-4.70E-04	1.05E 02	6.63E-02	3.18E-07	2.87E-10	1.86E 01	7.46E-03
1000.	-9.39E-04	1.05E 02	1.33E-01	3.18E-07	5.73E-10	1.86E 01	1.49E-02
2500.	-2.35E-03	1.05E 02	3.32E-01	3.18E-07	1.43E-09	1.86E 01	3.73E-02
5000.	-4.70E-03	1.05E 02	6.63E-01	3.18E-07	2.87E-09	1.86E 01	7.46E-02
7500.	-7.04E-03	1.05E 02	9.95E-01	3.18E-07	4.30E-09	1.86E 01	1.12E-01
10000.	-9.39E-03	1.05E 02	1.33E 00	3.18E-07	5.73E-09	1.86E 01	1.49E-01
25000.	-2.35E-02	1.05E 02	3.31E 00	3.18E-07	1.43E-08	1.86E 01	3.73E-01
50000.	-4.70E-02	1.04E 02	6.60E 00	3.16E-07	2.85E-08	1.86E 01	7.45E-01
100000.	-9.39E-02	1.03E 02	1.30E 01	3.10E-07	5.62E-08	1.85E 01	1.48E 00
150000.	-1.41E-01	1.01E 02	1.92E 01	3.00E-07	8.21E-08	1.84E 01	2.20E 00

P= 100.000 T= 17000. NTOT=4.32E 19 DEBYE=3.30E-07 LAMBDA=1.34E 01 LNLMBD= 2.60
N1=7.44408E 18 N2=2.82856E 19 N3=7.44352E 18 N4=2.82799E 14 N5=6.28234E 05

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.24E 02	0.00E-01	4.51E-07	0.00E-01	2.45E 01	0.00E-01
500.	-4.05E-04	1.24E 02	7.03E-02	4.51E-07	3.71E-10	2.45E 01	9.40E-03
1000.	-8.10E-04	1.24E 02	1.41E-01	4.51E-07	7.42E-10	2.45E 01	1.88E-02
2500.	-2.03E-03	1.24E 02	3.52E-01	4.51E-07	1.86E-09	2.45E 01	4.70E-02
5000.	-4.05E-03	1.24E 02	7.03E-01	4.51E-07	3.71E-09	2.45E 01	9.40E-02
7500.	-6.08E-03	1.24E 02	1.05E 00	4.51E-07	5.57E-09	2.45E 01	1.41E-01
10000.	-8.10E-03	1.24E 02	1.41E 00	4.51E-07	7.42E-09	2.45E 01	1.88E-01
25000.	-2.03E-02	1.24E 02	3.51E 00	4.50E-07	1.85E-08	2.45E 01	4.70E-01
50000.	-4.05E-02	1.23E 02	7.01E 00	4.48E-07	3.70E-08	2.44E 01	9.38E-01
100000.	-8.10E-02	1.22E 02	1.39E 01	4.41E-07	7.30E-08	2.43E 01	1.87E 00
150000.	-1.22E-01	1.20E 02	2.05E 01	4.29E-07	1.07E-07	2.41E 01	2.77E 00

P= 100.000 T= 18000. NTOT=4.08E 19 DEBYE=3.04E-07 LAMBDA=1.31E 01 LNLMBD= 2.57
N1=9.27943E 18 N2=2.22170E 19 N3=9.27761E 18 N4=9.07022E 14 N5=8.78805E 06

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.43E 02	0.00E-01	6.04E-07	0.00E-01	3.10E 01	0.00E-01
500.	-3.66E-04	1.43E 02	7.57E-02	6.04E-07	4.73E-10	3.10E 01	1.17E-02
1000.	-7.31E-04	1.43E 02	1.51E-01	6.04E-07	9.47E-10	3.10E 01	2.34E-02
2500.	-1.83E-03	1.43E 02	3.79E-01	6.04E-07	2.37E-09	3.10E 01	5.86E-02
5000.	-3.66E-03	1.43E 02	7.57E-01	6.04E-07	4.73E-09	3.10E 01	1.17E-01
7500.	-5.48E-03	1.43E 02	1.14E 00	6.04E-07	7.10E-09	3.10E 01	1.76E-01
10000.	-7.31E-03	1.43E 02	1.51E 00	6.04E-07	9.46E-09	3.10E 01	2.34E-01
25000.	-1.83E-02	1.42E 02	3.78E 00	6.04E-07	2.36E-08	3.10E 01	5.85E-01
50000.	-3.66E-02	1.42E 02	7.55E 00	6.01E-07	4.71E-08	3.09E 01	1.17E 00
100000.	-7.31E-02	1.41E 02	1.50E 01	5.92E-07	9.32E-08	3.08E 01	2.33E 00
150000.	-1.10E-01	1.39E 02	2.21E 01	5.78E-07	1.37E-07	3.05E 01	3.46E 00

P= 100.000 T= 19000. NTOT=3.86E 19 DEBYE=2.88E-07 LAMBDA=1.31E 01 LNLMBD= 2.57
N1=1.08997E 19 N2=1.68321E 19 N3=1.08946E 19 N4=2.53648E 15 N5=9.30658E 07

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.61E 02	0.00E-01	7.74E-07	0.00E-01	3.78E 01	0.00E-01
500.	-3.43E-04	1.61E 02	8.26E-02	7.74E-07	5.96E-10	3.78E 01	1.44E-02
1000.	-6.86E-04	1.61E 02	1.65E-01	7.74E-07	1.19E-09	3.78E 01	2.88E-02
2500.	-1.71E-03	1.61E 02	4.13E-01	7.74E-07	2.98E-09	3.78E 01	7.20E-02
5000.	-3.43E-03	1.61E 02	8.26E-01	7.74E-07	5.95E-09	3.78E 01	1.44E-01
7500.	-5.14E-03	1.61E 02	1.24E 00	7.74E-07	8.93E-09	3.78E 01	2.16E-01
10000.	-6.86E-03	1.60E 02	1.65E 00	7.74E-07	1.19E-08	3.78E 01	2.88E-01
25000.	-1.71E-02	1.60E 02	4.13E 00	7.73E-07	2.97E-08	3.78E 01	7.20E-01
50000.	-3.43E-02	1.60E 02	8.24E 00	7.70E-07	5.93E-08	3.78E 01	1.44E 00
100000.	-6.86E-02	1.59E 02	1.63E 01	7.59E-07	1.17E-07	3.76E 01	2.86E 00
150000.	-1.03E-01	1.57E 02	2.42E 01	7.40E-07	1.73E-07	3.73E 01	4.25E 00

P= 100.000 T= 20000. NTOT=3.67E 19 DEBYE=2.80E-07 LAMBDA=1.34E 01 LNLMBD= 2.60
N1=1.21572E 19 N2=1.23895E 19 N3=1.21445E 19 N4=6.30807E 15 N5=7.77575E 08

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.77E 02	0.00E-01	9.51E-07	0.00E-01	4.48E 01	0.00E-01
500.	-3.33E-04	1.77E 02	9.11E-02	9.51E-07	7.39E-10	4.48E 01	1.75E-02
1000.	-6.66E-04	1.77E 02	1.82E-01	9.51E-07	1.48E-09	4.48E 01	3.50E-02
2500.	-1.66E-03	1.77E 02	4.56E-01	9.51E-07	3.70E-09	4.48E 01	8.75E-02
5000.	-3.33E-03	1.77E 02	9.11E-01	9.51E-07	7.39E-09	4.48E 01	1.75E-01
7500.	-4.99E-03	1.77E 02	1.37E 00	9.51E-07	1.11E-08	4.48E 01	2.62E-01
10000.	-6.66E-03	1.77E 02	1.82E 00	9.51E-07	1.48E-08	4.48E 01	3.50E-01
25000.	-1.66E-02	1.77E 02	4.55E 00	9.50E-07	3.69E-08	4.48E 01	8.74E-01
50000.	-3.33E-02	1.77E 02	9.08E 00	9.47E-07	7.36E-08	4.47E 01	1.75E 00
100000.	-6.66E-02	1.75E 02	1.80E 01	9.33E-07	1.45E-07	4.45E 01	3.47E 00
150000.	-9.99E-02	1.73E 02	2.66E 01	9.10E-07	2.14E-07	4.41E 01	5.16E 00

P= 100.000 T= 21000. NTOT=3.49E 19 DEBYE=2.77E-07 LAMBDA=1.39E 01 LNLMBD= 2.63
N1=1.30086E 19 N2=8.94699E 18 N3=1.29802E 19 N4=1.42141E 16 N5=5.31458E 09

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.93E 02	0.00E-01	1.13E-06	0.00E-01	5.16E 01	0.00E-01
500.	-3.33E-04	1.93E 02	1.02E-01	1.13E-06	9.09E-10	5.16E 01	2.09E-02
1000.	-6.65E-04	1.93E 02	2.03E-01	1.13E-06	1.82E-09	5.16E 01	4.18E-02
2500.	-1.66E-03	1.93E 02	5.08E-01	1.13E-06	4.54E-09	5.16E 01	1.05E-01
5000.	-3.33E-03	1.93E 02	1.02E 00	1.13E-06	9.09E-09	5.16E 01	2.09E-01
7500.	-4.99E-03	1.93E 02	1.52E 00	1.13E-06	1.36E-08	5.16E 01	3.14E-01
10000.	-6.65E-03	1.93E 02	2.03E 00	1.13E-06	1.82E-08	5.16E 01	4.18E-01
25000.	-1.66E-02	1.93E 02	5.08E 00	1.13E-06	4.54E-08	5.16E 01	1.04E 00
50000.	-3.33E-02	1.92E 02	1.01E 01	1.13E-06	9.05E-08	5.15E 01	2.09E 00
100000.	-6.65E-02	1.91E 02	2.01E 01	1.11E-06	1.79E-07	5.12E 01	4.15E 00
150000.	-9.98E-02	1.88E 02	2.96E 01	1.08E-06	2.62E-07	5.08E 01	6.16E 00

P= 100.000 T= 22000. NTOT=3.34E 19 DEBYE=2.79E-07 LAMBDA=1.47E 01 LNLMBD= 2.69
N1=1.34844E 19 N2=6.42205E 18 N3=1.34254E 19 N4=2.94873E 16 N5=3.06340E 10

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.07E 02	0.00E-01	1.32E-06	0.00E-01	5.83E 01	0.00E-01
500.	-3.40E-04	2.07E 02	1.13E-01	1.32E-06	1.10E-09	5.83E 01	2.48E-02
1000.	-6.80E-04	2.07E 02	2.27E-01	1.32E-06	2.20E-09	5.83E 01	4.96E-02
2500.	-1.70E-03	2.07E 02	5.67E-01	1.32E-06	5.51E-09	5.83E 01	1.24E-01
5000.	-3.40E-03	2.07E 02	1.13E 00	1.32E-06	1.10E-08	5.83E 01	2.48E-01
7500.	-5.10E-03	2.07E 02	1.70E 00	1.32E-06	1.65E-08	5.83E 01	3.72E-01
10000.	-6.80E-03	2.07E 02	2.27E 00	1.32E-06	2.20E-08	5.83E 01	4.96E-01
25000.	-1.70E-02	2.07E 02	5.67E 00	1.31E-06	5.50E-08	5.83E 01	1.24E 00
50000.	-3.40E-02	2.06E 02	1.13E 01	1.31E-06	1.10E-07	5.82E 01	2.48E 00
100000.	-6.80E-02	2.04E 02	2.24E 01	1.28E-06	2.16E-07	5.79E 01	4.92E 00
150000.	-1.02E-01	2.01E 02	3.30E 01	1.25E-06	3.17E-07	5.73E 01	7.29E 00

P= 100.000 T= 23000. NTOT=3.19E 19 DEBYE=2.83E-07 LAMBDA=1.56E 01 LNLMBD= 2.75
N1=1.36688E 19 N2=4.63031E 18 N3=1.35547E 19 N4=5.70736E 16 N5=1.52644E 11

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.19E 02	0.00E-01	1.49E-06	0.00E-01	6.47E 01	0.00E-01
500.	-3.51E-04	2.19E 02	1.26E-01	1.49E-06	1.31E-09	6.47E 01	2.90E-02
1000.	-7.01E-04	2.19E 02	2.52E-01	1.49E-06	2.62E-09	6.47E 01	5.81E-02
2500.	-1.75E-03	2.19E 02	6.30E-01	1.49E-06	6.56E-09	6.47E 01	1.45E-01
5000.	-3.51E-03	2.19E 02	1.26E 00	1.49E-06	1.31E-08	6.47E 01	2.90E-01
7500.	-5.26E-03	2.19E 02	1.89E 00	1.49E-06	1.97E-08	6.47E 01	4.36E-01
10000.	-7.01E-03	2.19E 02	2.52E 00	1.49E-06	2.62E-08	6.47E 01	5.81E-01
25000.	-1.75E-02	2.19E 02	6.30E 00	1.49E-06	6.55E-08	6.47E 01	1.45E 00
50000.	-3.51E-02	2.18E 02	1.26E 01	1.48E-06	1.30E-07	6.46E 01	2.90E 00
100000.	-7.01E-02	2.16E 02	2.48E 01	1.45E-06	2.57E-07	6.42E 01	5.75E 00
150000.	-1.05E-01	2.12E 02	3.65E 01	1.40E-06	3.75E-07	6.35E 01	8.52E 00

P= 100.000 T= 24000. NTOT=3.06E 19 DEBYE=2.89E-07 LAMBDA=1.66E 01 LNLMBD= 2.81
N1=1.36593E 19 N2=3.36668E 18 N3=1.34511E 19 N4=1.04119E 17 N5=6.69995E 11

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.30E 02	0.00E-01	1.66E-06	0.00E-01	7.10E 01	0.00E-01
500.	-3.65E-04	2.30E 02	1.39E-01	1.66E-06	1.54E-09	7.10E 01	3.37E-02
1000.	-7.29E-04	2.30E 02	2.78E-01	1.66E-06	3.08E-09	7.10E 01	6.74E-02
2500.	-1.82E-03	2.30E 02	6.96E-01	1.66E-06	7.70E-09	7.10E 01	1.68E-01
5000.	-3.65E-03	2.30E 02	1.39E 00	1.66E-06	1.54E-08	7.10E 01	3.37E-01
7500.	-5.47E-03	2.29E 02	2.09E 00	1.66E-06	2.31E-08	7.10E 01	5.05E-01
10000.	-7.29E-03	2.29E 02	2.78E 00	1.66E-06	3.08E-08	7.10E 01	6.74E-01
25000.	-1.82E-02	2.29E 02	6.95E 00	1.65E-06	7.68E-08	7.09E 01	1.68E 00
50000.	-3.65E-02	2.29E 02	1.39E 01	1.64E-06	1.53E-07	7.08E 01	3.36E 00
100000.	-7.29E-02	2.26E 02	2.74E 01	1.61E-06	3.01E-07	7.03E 01	6.66E 00
150000.	-1.09E-01	2.22E 02	4.02E 01	1.55E-06	4.38E-07	6.95E 01	9.86E 00

P= 100.000 T= 25000. NTOT=2.94E 19 DEBYE=2.97E-07 LAMBDA=1.78E 01 LNLMBD= 2.88
N1=1.35271E 19 N2=2.48401E 18 N3=1.31666E 19 N4=1.80289E 17 N5=2.62883E 12

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.39E 02	0.00E-01	1.82E-06	0.00E-01	7.71E 01	0.00E-01
500.	-3.80E-04	2.39E 02	1.53E-01	1.82E-06	1.78E-09	7.71E 01	3.87E-02
1000.	-7.60E-04	2.39E 02	3.05E-01	1.82E-06	3.57E-09	7.71E 01	7.74E-02
2500.	-1.90E-03	2.39E 02	7.63E-01	1.82E-06	8.91E-09	7.71E 01	1.94E-01
5000.	-3.80E-03	2.39E 02	1.53E 00	1.82E-06	1.78E-08	7.71E 01	3.87E-01
7500.	-5.70E-03	2.39E 02	2.29E 00	1.82E-06	2.67E-08	7.71E 01	5.81E-01
10000.	-7.60E-03	2.39E 02	3.05E 00	1.82E-06	3.56E-08	7.71E 01	7.74E-01
25000.	-1.90E-02	2.39E 02	7.62E 00	1.81E-06	8.90E-08	7.71E 01	1.93E 00
50000.	-3.80E-02	2.38E 02	1.52E 01	1.80E-06	1.77E-07	7.69E 01	3.86E 00
100000.	-7.60E-02	2.35E 02	3.00E 01	1.76E-06	3.47E-07	7.63E 01	7.65E 00
150000.	-1.14E-01	2.30E 02	4.39E 01	1.69E-06	5.05E-07	7.52E 01	1.13E 01

P= 100.000 T= 26000. NTOT=2.82E 19 DEBYE=3.05E-07 LAMBDA=1.90E 01 LNLMBD= 2.94
N1=1.33155E 19 N2=1.89537E 18 N3=1.27204E 19 N4=2.97521E 17 N5=9.31870E 12

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.47E 02	0.00E-01	1.97E-06	0.00E-01	8.30E 01	0.00E-01
500.	-3.96E-04	2.47E 02	1.66E-01	1.97E-06	2.04E-09	8.30E 01	4.41E-02
1000.	-7.92E-04	2.47E 02	3.31E-01	1.97E-06	4.07E-09	8.30E 01	8.81E-02
2500.	-1.98E-03	2.47E 02	8.29E-01	1.97E-06	1.02E-08	8.30E 01	2.20E-01
5000.	-3.96E-03	2.47E 02	1.66E 00	1.97E-06	2.04E-08	8.30E 01	4.41E-01
7500.	-5.94E-03	2.47E 02	2.49E 00	1.97E-06	3.05E-08	8.30E 01	6.61E-01
10000.	-7.92E-03	2.46E 02	3.31E 00	1.97E-06	4.07E-08	8.30E 01	8.81E-01
25000.	-1.98E-02	2.46E 02	8.27E 00	1.97E-06	1.02E-07	8.30E 01	2.20E 00
50000.	-3.96E-02	2.45E 02	1.65E 01	1.95E-06	2.02E-07	8.28E 01	4.39E 00
100000.	-7.92E-02	2.42E 02	3.25E 01	1.90E-06	3.96E-07	8.20E 01	8.69E 00
150000.	-1.19E-01	2.36E 02	4.74E 01	1.82E-06	5.73E-07	8.08E 01	1.28E 01

P= 200.000 T= 3000. NTOT=4.89E 20 DEBYE=4.21E-02 LAMBDA=3.02E 05 LNLMBD=12.62
N1=8.06476E 07 N2=4.89300E 20 N3=8.06476E 07 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.22E-08	0.00E-01	-6.45E-17	0.00E-01	6.66E-10	0.00E-01
500.	-5.36E-03	4.21E-08	1.17E-09	-6.44E-17	-2.32E-18	6.66E-10	8.83E-12
1000.	-1.07E-02	4.20E-08	2.33E-09	-6.42E-17	-4.62E-18	6.65E-10	1.76E-11
2500.	-2.68E-02	4.12E-08	5.69E-09	-6.25E-17	-1.12E-17	6.61E-10	4.35E-11
5000.	-5.36E-02	3.87E-08	1.05E-08	-5.72E-17	-2.06E-17	6.48E-10	8.36E-11
7500.	-8.04E-02	3.54E-08	1.40E-08	-5.02E-17	-2.71E-17	6.28E-10	1.18E-10
10000.	-1.07E-01	3.18E-08	1.63E-08	-4.29E-17	-3.09E-17	6.05E-10	1.46E-10
25000.	-2.68E-01	1.93E-08	1.76E-08	-2.03E-17	-2.92E-17	4.76E-10	2.18E-10
50000.	-5.36E-01	9.46E-09	1.36E-08	-5.75E-18	-1.85E-17	3.58E-10	2.33E-10
100000.	-1.07E 00	3.96E-09	8.87E-09	1.29E-18	-9.83E-18	2.74E-10	2.15E-10
150000.	-1.61E 00	2.39E-09	6.59E-09	2.21E-18	-5.67E-18	2.01E-10	1.94E-10

P= 200.000 T= 4000. NTOT=3.67E 20 DEBYE=1.03E-03 LAMBDA=9.85E 03 LNLMBD= 9.20
N1=1.80058E 11 N2=3.66975E 20 N3=1.80058E 11 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	8.99E-05	0.00E-01	-2.15E-13	0.00E-01	1.76E-06	0.00E-01
500.	-4.16E-03	8.98E-05	2.99E-06	-2.15E-13	-9.11E-15	1.76E-06	2.46E-08
1000.	-8.32E-03	8.94E-05	5.95E-06	-2.14E-13	-1.81E-14	1.76E-06	4.91E-08
2500.	-2.08E-02	8.69E-05	1.43E-05	-2.06E-13	-4.35E-14	1.75E-06	1.20E-07
5000.	-4.16E-02	7.95E-05	2.54E-05	-1.82E-13	-7.62E-14	1.70E-06	2.27E-07
7500.	-6.24E-02	7.05E-05	3.22E-05	-1.54E-13	-9.52E-14	1.65E-06	3.13E-07
10000.	-8.32E-02	6.19E-05	3.56E-05	-1.27E-13	-1.04E-13	1.59E-06	3.80E-07
25000.	-2.08E-01	3.97E-05	3.37E-05	-6.22E-14	-8.65E-14	1.26E-06	5.60E-07
50000.	-4.16E-01	2.10E-05	2.65E-05	-2.27E-14	-5.26E-14	9.16E-07	5.94E-07
100000.	-8.32E-01	9.04E-06	1.81E-05	6.28E-16	-3.09E-14	7.50E-07	5.53E-07
150000.	-1.25E 00	5.59E-06	1.36E-05	5.08E-15	-1.90E-14	5.81E-07	5.05E-07

P= 200.000 T= 5000. NTOT=2.94E 20 DEBYE=1.13E-04 LAMBDA=1.35E 03 LNLMBD= 7.21
N1=1.86827E 13 N2=2.93580E 20 N3=1.86827E 13 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	8.47E-03	0.00E-01	-2.75E-11	0.00E-01	2.05E-04	0.00E-01
500.	-3.46E-03	8.46E-03	3.06E-04	-2.75E-11	-1.27E-12	2.05E-04	2.73E-06
1000.	-6.92E-03	8.41E-03	6.07E-04	-2.73E-11	-2.52E-12	2.05E-04	5.45E-06
2500.	-1.73E-02	8.12E-03	1.44E-03	-2.60E-11	-5.95E-12	2.04E-04	1.35E-05
5000.	-3.46E-02	7.32E-03	2.44E-03	-2.25E-11	-9.98E-12	1.99E-04	2.60E-05
7500.	-5.19E-02	6.44E-03	2.99E-03	-1.88E-11	-1.20E-11	1.93E-04	3.61E-05
10000.	-6.92E-02	5.66E-03	3.25E-03	-1.55E-11	-1.28E-11	1.85E-04	4.39E-05
25000.	-1.73E-01	3.75E-03	3.03E-03	-7.69E-12	-1.06E-11	1.47E-04	6.36E-05
50000.	-3.46E-01	2.21E-03	2.35E-03	-3.49E-12	-6.02E-12	1.04E-04	6.75E-05
100000.	-6.92E-01	9.89E-04	1.74E-03	-3.52E-13	-3.97E-12	8.90E-05	6.37E-05
150000.	-1.04E 00	6.10E-04	1.33E-03	4.10E-13	-2.58E-12	7.21E-05	5.88E-05

P= 200.000 T= 6000. NTOT=2.45E 20 DEBYE=2.61E-05 LAMBDA=3.76E 02 LNLMBD= 5.93
N1=4.17992E 14 N2=2.44649E 20 N3=4.17992E 14 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.53E-01	0.00E-01	-5.59E-10	0.00E-01	3.71E-03	0.00E-01
500.	-2.99E-03	1.53E-01	4.71E-03	-5.58E-10	-2.03E-11	3.71E-03	5.48E-06
1000.	-5.98E-03	1.53E-01	9.36E-03	-5.56E-10	-4.04E-11	3.72E-03	1.10E-05
2500.	-1.49E-02	1.49E-01	2.24E-02	-5.39E-10	-9.73E-11	3.76E-03	2.74E-05
5000.	-2.99E-02	1.37E-01	3.92E-02	-4.89E-10	-1.73E-10	3.89E-03	5.48E-05
7500.	-4.48E-02	1.23E-01	4.93E-02	-4.29E-10	-2.20E-10	4.01E-03	9.98E-05
10000.	-5.98E-02	1.11E-01	5.48E-02	-3.71E-10	-2.46E-10	4.07E-03	2.80E-04
25000.	-1.49E-01	7.50E-02	5.60E-02	-1.86E-10	-2.37E-10	3.68E-03	1.13E-03
50000.	-2.99E-01	4.93E-02	4.35E-02	-1.02E-10	-1.35E-10	2.47E-03	1.49E-03
100000.	-5.98E-01	2.35E-02	3.58E-02	-2.05E-11	-1.01E-10	2.18E-03	1.50E-03
150000.	-8.97E-01	1.45E-02	2.81E-02	3.91E-12	-6.95E-11	1.84E-03	1.41E-03

P= 200.000 T= 7000. NTOT=2.10E 20 DEBYE=9.25E-06 LAMBDA=1.55E 02 LNLMBD= 5.04
N1=3.89868E 15 N2=2.09692E 20 N3=3.89868E 15 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	8.42E-01	0.00E-01	-2.73E-09	0.00E-01	2.66E-02	0.00E-01
500.	-2.61E-03	8.42E-01	1.09E-02	-2.73E-09	-4.05E-11	2.66E-02	4.39E-05
1000.	-5.22E-03	8.41E-01	2.19E-02	-2.72E-09	-8.09E-11	2.66E-02	8.79E-05
2500.	-1.30E-02	8.37E-01	5.43E-02	-2.71E-09	-2.01E-10	2.66E-02	2.20E-04
5000.	-2.61E-02	8.24E-01	1.06E-01	-2.67E-09	-3.96E-10	2.67E-02	4.39E-04
7500.	-3.91E-02	8.03E-01	1.53E-01	-2.60E-09	-5.77E-10	2.69E-02	6.59E-04
10000.	-5.22E-02	7.77E-01	1.94E-01	-2.51E-09	-7.42E-10	2.71E-02	8.78E-04
25000.	-1.30E-01	5.83E-01	3.22E-01	-1.61E-09	-1.31E-09	2.90E-02	2.18E-03
50000.	-2.61E-01	4.42E-01	2.94E-01	-1.09E-09	-1.03E-09	2.35E-02	4.24E-03
100000.	-5.22E-01	2.40E-01	2.91E-01	-3.57E-10	-9.50E-10	2.14E-02	7.67E-03
150000.	-7.83E-01	1.50E-01	2.43E-01	-6.03E-11	-7.13E-10	1.86E-02	9.93E-03

P= 200.000 T= 8000. NTOT=1.83E 20 DEBYE=4.25E-06 LAMBDA=8.14E 01 LNLMBD= 4.40
N1=2.10786E 16 N2=1.83445E 20 N3=2.10786E 16 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.64E 00	0.00E-01	-6.76E-09	0.00E-01	1.20E-01	0.00E-01
500.	-2.23E-03	2.64E 00	1.46E-02	-6.76E-09	-4.19E-11	1.20E-01	1.80E-04
1000.	-4.47E-03	2.64E 00	2.92E-02	-6.76E-09	-8.37E-11	1.20E-01	3.60E-04
2500.	-1.12E-02	2.64E 00	7.30E-02	-6.76E-09	-2.09E-10	1.20E-01	9.00E-04
5000.	-2.23E-02	2.63E 00	1.46E-01	-6.73E-09	-4.17E-10	1.20E-01	1.80E-03
7500.	-3.35E-02	2.62E 00	2.17E-01	-6.71E-09	-6.24E-10	1.20E-01	2.70E-03
10000.	-4.47E-02	2.60E 00	2.87E-01	-6.66E-09	-8.27E-10	1.20E-01	3.60E-03
25000.	-1.12E-01	2.31E 00	6.56E-01	-6.24E-09	-1.95E-09	1.20E-01	8.94E-03
50000.	-2.23E-01	2.02E 00	8.68E-01	-5.14E-09	-3.10E-09	1.21E-01	1.76E-02
100000.	-4.47E-01	1.38E 00	1.14E 00	-2.73E-09	-3.88E-09	1.13E-01	3.29E-02
150000.	-6.70E-01	9.43E-01	1.10E 00	-1.15E-09	-3.47E-09	1.03E-01	4.45E-02

P= 200.000 T= 9000. NTOT=1.63E 20 DEBYE=2.32E-06 LAMBDA=5.01E 01 LNLMBD= 3.91
N1=7.92887E 16 N2=1.62941E 20 N3=7.92887E 16 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	6.21E 00	0.00E-01	-1.34E-08	0.00E-01	4.04E-01	0.00E-01
500.	-1.83E-03	6.21E 00	1.82E-02	-1.34E-08	-4.81E-11	4.04E-01	4.40E-04
1000.	-3.66E-03	6.21E 00	3.65E-02	-1.33E-08	-9.62E-11	4.04E-01	8.81E-04
2500.	-9.16E-03	6.21E 00	9.12E-02	-1.33E-08	-2.41E-10	4.04E-01	2.20E-03
5000.	-1.83E-02	6.20E 00	1.82E-01	-1.33E-08	-4.81E-10	4.04E-01	4.40E-03
7500.	-2.75E-02	6.20E 00	2.73E-01	-1.33E-08	-7.20E-10	4.04E-01	6.60E-03
10000.	-3.66E-02	6.19E 00	3.63E-01	-1.33E-08	-9.59E-10	4.04E-01	8.80E-03
25000.	-9.16E-02	5.86E 00	8.88E-01	-1.30E-08	-2.36E-09	4.03E-01	2.19E-02
50000.	-1.83E-01	5.57E 00	1.44E 00	-1.20E-08	-4.43E-09	3.99E-01	4.35E-02
100000.	-3.66E-01	4.68E 00	2.39E 00	-9.00E-09	-7.14E-09	3.85E-01	8.36E-02
150000.	-5.49E-01	3.72E 00	2.81E 00	-5.87E-09	-7.98E-09	3.64E-01	1.18E-01

P= 200.000 T= 10000. NTOT=1.47E 20 DEBYE=1.43E-06 LAMBDA=3.43E 01 LNLMBD= 3.54
N1=2.31685E 17 N2=1.46327E 20 N3=2.31685E 17 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.19E 01	0.00E-01	-1.77E-08	0.00E-01	9.81E-01	0.00E-01
500.	-1.43E-03	1.19E 01	2.12E-02	-1.77E-08	-4.12E-11	9.81E-01	7.61E-04
1000.	-2.87E-03	1.19E 01	4.25E-02	-1.77E-08	-8.25E-11	9.81E-01	1.52E-03
2500.	-7.16E-03	1.19E 01	1.06E-01	-1.77E-08	-2.06E-10	9.81E-01	3.80E-03
5000.	-1.43E-02	1.19E 01	2.12E-01	-1.77E-08	-4.12E-10	9.81E-01	7.61E-03
7500.	-2.15E-02	1.19E 01	3.18E-01	-1.76E-08	-6.18E-10	9.81E-01	1.14E-02
10000.	-2.87E-02	1.18E 01	4.24E-01	-1.76E-08	-8.24E-10	9.81E-01	1.52E-02
25000.	-7.16E-02	1.18E 01	1.05E 00	-1.75E-08	-2.04E-09	9.80E-01	3.80E-02
50000.	-1.43E-01	1.15E 01	1.91E 00	-1.69E-08	-3.99E-09	9.75E-01	7.56E-02
100000.	-2.87E-01	1.07E 01	3.53E 00	-1.49E-08	-7.26E-09	9.57E-01	1.48E-01
150000.	-4.30E-01	9.49E 00	4.70E 00	-1.22E-08	-9.42E-09	9.29E-01	2.15E-01

P= 200.000 T= 11000. NTOT=1.33E 20 DEBYE=9.65E-07 LAMBDA=2.54E 01 LNLMBD= 3.24
N1=5.62257E 17 N2=1.32321E 20 N3=5.62257E 17 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.06E 01	0.00E-01	-1.46E-08	0.00E-01	1.96E 00	0.00E-01
500.	-1.08E-03	2.06E 01	2.38E-02	-1.46E-08	-2.30E-11	1.96E 00	1.08E-03
1000.	-2.17E-03	2.06E 01	4.76E-02	-1.46E-08	-4.60E-11	1.96E 00	2.17E-03
2500.	-5.42E-03	2.06E 01	1.19E-01	-1.46E-08	-1.15E-10	1.96E 00	5.42E-03
5000.	-1.08E-02	2.06E 01	2.38E-01	-1.46E-08	-2.30E-10	1.96E 00	1.08E-02
7500.	-1.62E-02	2.06E 01	3.57E-01	-1.46E-08	-3.45E-10	1.96E 00	1.63E-02
10000.	-2.17E-02	2.06E 01	4.75E-01	-1.46E-08	-4.60E-10	1.96E 00	2.17E-02
25000.	-5.42E-02	2.06E 01	1.18E 00	-1.45E-08	-1.15E-09	1.96E 00	5.41E-02
50000.	-1.08E-01	2.04E 01	2.37E 00	-1.43E-08	-2.27E-09	1.95E 00	1.08E-01
100000.	-2.17E-01	1.96E 01	4.56E 00	-1.35E-08	-4.33E-09	1.94E 00	2.14E-01
150000.	-3.25E-01	1.84E 01	6.42E 00	-1.22E-08	-6.04E-09	1.91E 00	3.16E-01

P= 200.000 T= 12000. NTOT=1.22E 20 DEBYE=6.98E-07 LAMBDA=2.00E 01 LNLMBD= 3.00
N1=1.17455E 18 N2=1.19976E 20 N3=1.17455E 18 N4=4.59206E 10 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.24E 01	0.00E-01	-1.34E-10	0.00E-01	3.46E 00	0.00E-01
500.	-8.14E-04	3.24E 01	2.84E-02	-1.34E-10	1.21E-12	3.46E 00	1.44E-03
1000.	-1.63E-03	3.24E 01	5.67E-02	-1.34E-10	2.41E-12	3.46E 00	2.88E-03
2500.	-4.07E-03	3.24E 01	1.42E-01	-1.34E-10	6.03E-12	3.46E 00	7.19E-03
5000.	-8.14E-03	3.24E 01	2.84E-01	-1.34E-10	1.21E-11	3.46E 00	1.44E-02
7500.	-1.22E-02	3.24E 01	4.25E-01	-1.34E-10	1.81E-11	3.46E 00	2.16E-02
10000.	-1.63E-02	3.24E 01	5.67E-01	-1.35E-10	2.41E-11	3.46E 00	2.88E-02
25000.	-4.07E-02	3.23E 01	1.42E 00	-1.39E-10	6.01E-11	3.46E 00	7.19E-02
50000.	-8.14E-02	3.21E 01	2.81E 00	-1.54E-10	1.18E-10	3.46E 00	1.44E-01
100000.	-1.63E-01	3.14E 01	5.50E 00	-2.11E-10	2.24E-10	3.44E 00	2.86E-01
150000.	-2.44E-01	3.03E 01	7.95E 00	-2.98E-10	3.05E-10	3.41E 00	4.25E-01

P= 200.000 T= 13000. NTOT=1.13E 20 DEBYE=5.30E-07 LAMBDA=1.65E 01 LNLMBD= 2.80
N1=2.20067E 18 N2=1.08514E 20 N3=2.20067E 18 N4=4.63243E 11 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.69E 01	0.00E-01	3.03E-08	0.00E-01	5.64E 00	0.00E-01
500.	-6.16E-04	4.69E 01	3.21E-02	3.03E-08	3.00E-11	5.64E 00	1.87E-03
1000.	-1.23E-03	4.69E 01	6.42E-02	3.03E-08	6.00E-11	5.64E 00	3.74E-03
2500.	-3.08E-03	4.69E 01	1.61E-01	3.03E-08	1.50E-10	5.64E 00	9.35E-03
5000.	-6.16E-03	4.69E 01	3.21E-01	3.03E-08	3.00E-10	5.64E 00	1.87E-02
7500.	-9.23E-03	4.69E 01	4.82E-01	3.03E-08	4.50E-10	5.64E 00	2.80E-02
10000.	-1.23E-02	4.69E 01	6.42E-01	3.03E-08	6.00E-10	5.64E 00	3.74E-02
25000.	-3.08E-02	4.68E 01	1.60E 00	3.03E-08	1.50E-09	5.64E 00	9.34E-02
50000.	-6.16E-02	4.67E 01	3.20E 00	3.01E-08	2.98E-09	5.63E 00	1.87E-01
100000.	-1.23E-01	4.60E 01	6.30E 00	2.94E-08	5.86E-09	5.61E 00	3.72E-01
150000.	-1.85E-01	4.50E 01	9.24E 00	2.83E-08	8.55E-09	5.58E 00	5.55E-01

P= 200.000 T= 14000. NTOT=1.05E 20 DEBYE=4.22E-07 LAMBDA=1.41E 01 LNLMBD= 2.65
N1=3.75080E 18 N2=9.73484E 19 N3=3.75080E 18 N4=3.42939E 12 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	6.38E 01	0.00E-01	7.96E-08	0.00E-01	8.66E 00	0.00E-01
500.	-4.77E-04	6.38E 01	3.53E-02	7.96E-08	6.17E-11	8.66E 00	2.45E-03
1000.	-9.54E-04	6.38E 01	7.06E-02	7.96E-08	1.23E-10	8.66E 00	4.89E-03
2500.	-2.39E-03	6.38E 01	1.77E-01	7.96E-08	3.09E-10	8.66E 00	1.22E-02
5000.	-4.77E-03	6.38E 01	3.53E-01	7.96E-08	6.17E-10	8.66E 00	2.45E-02
7500.	-7.16E-03	6.38E 01	5.30E-01	7.96E-08	9.26E-10	8.66E 00	3.67E-02
10000.	-9.54E-03	6.38E 01	7.06E-01	7.96E-08	1.23E-09	8.66E 00	4.89E-02
25000.	-2.39E-02	6.37E 01	1.76E 00	7.95E-08	3.08E-09	8.66E 00	1.22E-01
50000.	-4.77E-02	6.36E 01	3.52E 00	7.92E-08	6.15E-09	8.66E 00	2.44E-01
100000.	-9.54E-02	6.30E 01	6.97E 00	7.81E-08	1.22E-08	8.63E 00	4.87E-01
150000.	-1.43E-01	6.20E 01	1.03E 01	7.63E-08	1.79E-08	8.60E 00	7.28E-01

P= 200.000 T= 15000. NTOT=9.79E 19 DEBYE=3.48E-07 LAMBDA=1.25E 01 LNLMBD= 2.53
N1=5.89239E 18 N2=8.60752E 19 N3=5.89235E 18 N4=1.96866E 13 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	8.25E 01	0.00E-01	1.52E-07	0.00E-01	1.26E 01	0.00E-01
500.	-3.81E-04	8.25E 01	3.80E-02	1.52E-07	9.77E-11	1.26E 01	3.19E-03
1000.	-7.62E-04	8.25E 01	7.60E-02	1.52E-07	1.95E-10	1.26E 01	6.38E-03
2500.	-1.90E-03	8.25E 01	1.90E-01	1.52E-07	4.89E-10	1.26E 01	1.60E-02
5000.	-3.81E-03	8.25E 01	3.80E-01	1.52E-07	9.77E-10	1.26E 01	3.19E-02
7500.	-5.71E-03	8.25E 01	5.70E-01	1.52E-07	1.47E-09	1.26E 01	4.79E-02
10000.	-7.62E-03	8.25E 01	7.60E-01	1.52E-07	1.95E-09	1.26E 01	6.38E-02
25000.	-1.90E-02	8.24E 01	1.90E 00	1.52E-07	4.88E-09	1.26E 01	1.59E-01
50000.	-3.81E-02	8.23E 01	3.79E 00	1.51E-07	9.75E-09	1.26E 01	3.19E-01
100000.	-7.62E-02	8.18E 01	7.54E 00	1.50E-07	1.94E-08	1.26E 01	6.36E-01
150000.	-1.14E-01	8.09E 01	1.12E 01	1.47E-07	2.87E-08	1.26E 01	9.51E-01

P= 200.000 T= 16000. NTOT=9.17E 19 DEBYE=2.98E-07 LAMBDA=1.14E 01 LNLMBD= 2.43
N1=8.60078E 18 N2=7.45421E 19 N3=8.60060E 18 N4=9.11741E 13 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.03E 02	0.00E-01	2.50E-07	0.00E-01	1.77E 01	0.00E-01
500.	-3.15E-04	1.03E 02	4.07E-02	2.50E-07	1.40E-10	1.77E 01	4.16E-03
1000.	-6.31E-04	1.03E 02	8.15E-02	2.50E-07	2.79E-10	1.77E 01	8.32E-03
2500.	-1.58E-03	1.03E 02	2.04E-01	2.50E-07	6.98E-10	1.77E 01	2.08E-02
5000.	-3.15E-03	1.03E 02	4.07E-01	2.50E-07	1.40E-09	1.77E 01	4.16E-02
7500.	-4.73E-03	1.03E 02	6.11E-01	2.50E-07	2.09E-09	1.77E 01	6.24E-02
10000.	-6.31E-03	1.03E 02	8.14E-01	2.50E-07	2.79E-09	1.77E 01	8.32E-02
25000.	-1.58E-02	1.03E 02	2.04E 00	2.50E-07	6.98E-09	1.77E 01	2.08E-01
50000.	-3.15E-02	1.02E 02	4.07E 00	2.49E-07	1.39E-08	1.77E 01	4.16E-01
100000.	-6.31E-02	1.02E 02	8.09E 00	2.47E-07	2.77E-08	1.77E 01	8.30E-01
150000.	-9.46E-02	1.01E 02	1.20E 01	2.44E-07	4.12E-08	1.76E 01	1.24E 00

P= 200.000 T= 17000. NTOT=8.63E 19 DEBYE=2.63E-07 LAMBDA=1.07E 01 LNLMBD= 2.37
N1=1.17296E 19 N2=6.28882E 19 N3=1.17289E 19 N4=3.50722E 14 N5=6.82891E 05

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.24E 02	0.00E-01	3.75E-07	0.00E-01	2.38E 01	0.00E-01
500.	-2.71E-04	1.24E 02	4.37E-02	3.75E-07	1.90E-10	2.38E 01	5.38E-03
1000.	-5.42E-04	1.24E 02	8.75E-02	3.75E-07	3.80E-10	2.38E 01	1.08E-02
2500.	-1.35E-03	1.24E 02	2.19E-01	3.75E-07	9.51E-10	2.38E 01	2.69E-02
5000.	-2.71E-03	1.24E 02	4.37E-01	3.75E-07	1.90E-09	2.38E 01	5.37E-02
7500.	-4.06E-03	1.24E 02	6.56E-01	3.75E-07	2.85E-09	2.38E 01	8.06E-02
10000.	-5.42E-03	1.24E 02	8.75E-01	3.75E-07	3.80E-09	2.38E 01	1.07E-01
25000.	-1.35E-02	1.23E 02	2.19E 00	3.75E-07	9.50E-09	2.38E 01	2.69E-01
50000.	-2.71E-02	1.23E 02	4.37E 00	3.74E-07	1.90E-08	2.38E 01	5.37E-01
100000.	-5.42E-02	1.23E 02	8.70E 00	3.72E-07	3.78E-08	2.38E 01	1.07E 00
150000.	-8.13E-02	1.22E 02	1.30E 01	3.68E-07	5.62E-08	2.37E 01	1.60E 00

P= 200.000 T= 18000. NTOT=8.16E 19 DEBYE=2.39E-07 LAMBDA=1.03E 01 LNLMBD= 2.33
N1=1.50260E 19 N2=5.14992E 19 N3=1.50237E 19 N4=1.14786E 15 N5=9.77717E 06

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.45E 02	0.00E-01	5.28E-07	0.00E-01	3.08E 01	0.00E-01
500.	-2.41E-04	1.45E 02	4.74E-02	5.28E-07	2.52E-10	3.08E 01	6.86E-03
1000.	-4.83E-04	1.45E 02	9.47E-02	5.28E-07	5.03E-10	3.08E 01	1.37E-02
2500.	-1.21E-03	1.45E 02	2.37E-01	5.28E-07	1.26E-09	3.08E 01	3.43E-02
5000.	-2.41E-03	1.45E 02	4.74E-01	5.28E-07	2.52E-09	3.08E 01	6.86E-02
7500.	-3.62E-03	1.45E 02	7.11E-01	5.28E-07	3.78E-09	3.08E 01	1.03E-01
10000.	-4.83E-03	1.45E 02	9.47E-01	5.28E-07	5.03E-09	3.08E 01	1.37E-01
25000.	-1.21E-02	1.45E 02	2.37E 00	5.28E-07	1.26E-08	3.08E 01	3.43E-01
50000.	-2.41E-02	1.45E 02	4.73E 00	5.27E-07	2.51E-08	3.08E 01	6.86E-01
100000.	-4.83E-02	1.44E 02	9.43E 00	5.24E-07	5.01E-08	3.08E 01	1.37E 00
150000.	-7.24E-02	1.43E 02	1.41E 01	5.19E-07	7.45E-08	3.07E 01	2.05E 00

P= 200.000 T= 19000. NTOT=7.73E 19 DEBYE=2.23E-07 LAMBDA=1.01E 01 LNLMBD= 2.32
N1=1.81895E 19 N2=4.08821E 19 N3=1.81830E 19 N4=3.26360E 15 N5=1.04710E 08

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.66E 02	0.00E-01	7.06E-07	0.00E-01	3.86E 01	0.00E-01
500.	-2.23E-04	1.66E 02	5.18E-02	7.06E-07	3.27E-10	3.86E 01	8.64E-03
1000.	-4.46E-04	1.66E 02	1.04E-01	7.06E-07	6.54E-10	3.86E 01	1.73E-02
2500.	-1.11E-03	1.66E 02	2.59E-01	7.06E-07	1.64E-09	3.86E 01	4.32E-02
5000.	-2.23E-03	1.66E 02	5.18E-01	7.06E-07	3.27E-09	3.86E 01	8.64E-02
7500.	-3.34E-03	1.66E 02	7.77E-01	7.06E-07	4.91E-09	3.86E 01	1.30E-01
10000.	-4.46E-03	1.66E 02	1.04E 00	7.06E-07	6.54E-09	3.86E 01	1.73E-01
25000.	-1.11E-02	1.66E 02	2.59E 00	7.06E-07	1.63E-08	3.86E 01	4.32E-01
50000.	-2.23E-02	1.65E 02	5.18E 00	7.05E-07	3.27E-08	3.85E 01	8.63E-01
100000.	-4.46E-02	1.65E 02	1.03E 01	7.01E-07	6.51E-08	3.85E 01	1.72E 00
150000.	-6.68E-02	1.64E 02	1.54E 01	6.95E-07	9.69E-08	3.84E 01	2.58E 00

P= 200.000 T= 20000. NTOT=7.34E 19 DEBYE=2.13E-07 LAMBDA=1.02E 01 LNLMBD= 2.32
N1=2.09202E 19 N2=3.15627E 19 N3=2.09038E 19 N4=8.20985E 15 N5=8.72854E 08

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.86E 02	0.00E-01	9.03E-07	0.00E-01	4.67E 01	0.00E-01
500.	-2.12E-04	1.86E 02	5.72E-02	9.03E-07	4.18E-10	4.67E 01	1.07E-02
1000.	-4.25E-04	1.86E 02	1.14E-01	9.03E-07	8.35E-10	4.67E 01	2.14E-02
2500.	-1.06E-03	1.86E 02	2.86E-01	9.03E-07	2.09E-09	4.67E 01	5.35E-02
5000.	-2.12E-03	1.86E 02	5.72E-01	9.03E-07	4.18E-09	4.67E 01	1.07E-01
7500.	-3.19E-03	1.86E 02	8.58E-01	9.03E-07	6.27E-09	4.67E 01	1.61E-01
10000.	-4.25E-03	1.86E 02	1.14E 00	9.03E-07	8.35E-09	4.67E 01	2.14E-01
25000.	-1.06E-02	1.86E 02	2.86E 00	9.02E-07	2.09E-08	4.67E 01	5.35E-01
50000.	-2.12E-02	1.85E 02	5.71E 00	9.01E-07	4.17E-08	4.67E 01	1.07E 00
100000.	-4.25E-02	1.85E 02	1.14E 01	8.96E-07	8.31E-08	4.66E 01	2.14E 00
150000.	-6.37E-02	1.84E 02	1.70E 01	8.88E-07	1.24E-07	4.65E 01	3.19E 00

P= 200.000 T= 21000. NTOT=6.99E 19 DEBYE=2.08E-07 LAMBDA=1.05E 01 LNLMBD= 2.35
N1=2.30230E 19 N2=2.38726E 19 N3=2.29858E 19 N4=1.85960E 16 N5=5.87367E 09

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.05E 02	0.00E-01	1.12E-06	0.00E-01	5.49E 01	0.00E-01
500.	-2.09E-04	2.05E 02	6.40E-02	1.12E-06	5.27E-10	5.49E 01	1.30E-02
1000.	-4.17E-04	2.05E 02	1.28E-01	1.12E-06	1.05E-09	5.49E 01	2.60E-02
2500.	-1.04E-03	2.05E 02	3.20E-01	1.12E-06	2.64E-09	5.49E 01	6.50E-02
5000.	-2.09E-03	2.05E 02	6.40E-01	1.12E-06	5.27E-09	5.49E 01	1.30E-01
7500.	-3.13E-03	2.05E 02	9.60E-01	1.12E-06	7.91E-09	5.49E 01	1.95E-01
10000.	-4.17E-03	2.05E 02	1.28E 00	1.12E-06	1.05E-08	5.49E 01	2.60E-01
25000.	-1.04E-02	2.05E 02	3.20E 00	1.11E-06	2.64E-08	5.49E 01	6.50E-01
50000.	-2.09E-02	2.05E 02	6.39E 00	1.11E-06	5.27E-08	5.49E 01	1.30E 00
100000.	-4.17E-02	2.04E 02	1.27E 01	1.11E-06	1.05E-07	5.48E 01	2.59E 00
150000.	-6.26E-02	2.03E 02	1.90E 01	1.10E-06	1.56E-07	5.46E 01	3.87E 00

P= 200.000 T= 22000. NTOT=6.67E 19 DEBYE=2.07E-07 LAMBDA=1.09E 01 LNLMBD= 2.39
N1=2.44725E 19 N2=1.78163E 19 N3=2.43953E 19 N4=3.85815E 16 N5=3.29918E 10

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.22E 02	0.00E-01	1.33E-06	0.00E-01	6.30E 01	0.00E-01
500.	-2.09E-04	2.22E 02	7.15E-02	1.33E-06	6.51E-10	6.30E 01	1.55E-02
1000.	-4.18E-04	2.22E 02	1.43E-01	1.33E-06	1.30E-09	6.30E 01	3.11E-02
2500.	-1.05E-03	2.22E 02	3.58E-01	1.33E-06	3.26E-09	6.30E 01	7.77E-02
5000.	-2.09E-03	2.22E 02	7.15E-01	1.33E-06	6.51E-09	6.30E 01	1.55E-01
7500.	-3.14E-03	2.22E 02	1.07E 00	1.33E-06	9.77E-09	6.30E 01	2.33E-01
10000.	-4.18E-03	2.22E 02	1.43E 00	1.33E-06	1.30E-08	6.29E 01	3.11E-01
25000.	-1.05E-02	2.22E 02	3.57E 00	1.33E-06	3.25E-08	6.29E 01	7.77E-01
50000.	-2.09E-02	2.22E 02	7.14E 00	1.33E-06	6.50E-08	6.29E 01	1.55E 00
100000.	-4.18E-02	2.22E 02	1.42E 01	1.32E-06	1.29E-07	6.28E 01	3.10E 00
150000.	-6.27E-02	2.20E 02	2.12E 01	1.31E-06	1.93E-07	6.26E 01	4.63E 00

P= 200.000 T= 23000. NTOT=6.38E 19 DEBYE=2.08E-07 LAMBDA=1.14E 01 LNLMBD= 2.44
N1=2.53341E 19 N2=1.32279E 19 N3=2.51854E 19 N4=7.43765E 16 N5=1.59057E 11

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.38E 02	0.00E-01	1.54E-06	0.00E-01	7.08E 01	0.00E-01
500.	-2.13E-04	2.38E 02	7.96E-02	1.54E-06	7.88E-10	7.08E 01	1.84E-02
1000.	-4.26E-04	2.38E 02	1.59E-01	1.54E-06	1.58E-09	7.08E 01	3.67E-02
2500.	-1.06E-03	2.38E 02	3.98E-01	1.54E-06	3.94E-09	7.08E 01	9.18E-02
5000.	-2.13E-03	2.38E 02	7.96E-01	1.54E-06	7.88E-09	7.08E 01	1.84E-01
7500.	-3.19E-03	2.38E 02	1.19E 00	1.54E-06	1.18E-08	7.08E 01	2.76E-01
10000.	-4.26E-03	2.38E 02	1.59E 00	1.54E-06	1.58E-08	7.08E 01	3.67E-01
25000.	-1.06E-02	2.38E 02	3.98E 00	1.54E-06	3.94E-08	7.08E 01	9.18E-01
50000.	-2.13E-02	2.38E 02	7.95E 00	1.54E-06	7.87E-08	7.08E 01	1.84E 00
100000.	-4.26E-02	2.37E 02	1.58E 01	1.53E-06	1.57E-07	7.06E 01	3.66E 00
150000.	-6.38E-02	2.36E 02	2.36E 01	1.51E-06	2.33E-07	7.03E 01	5.47E 00

P= 200.000 T= 24000. NTOT=6.12E 19 DEBYE=2.11E-07 LAMBDA=1.21E 01 LNLMBD= 2.49
N1=2.57291E 19 N2=9.83901E 18 N3=2.54595E 19 N4=1.34814E 17 N5=6.73582E 11

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.52E 02	0.00E-01	1.75E-06	0.00E-01	7.85E 01	0.00E-01
500.	-2.19E-04	2.52E 02	8.82E-02	1.75E-06	9.39E-10	7.85E 01	2.15E-02
1000.	-4.38E-04	2.52E 02	1.76E-01	1.75E-06	1.88E-09	7.85E 01	4.29E-02
2500.	-1.09E-03	2.52E 02	4.41E-01	1.75E-06	4.69E-09	7.85E 01	1.07E-01
5000.	-2.19E-03	2.52E 02	8.82E-01	1.75E-06	9.39E-09	7.85E 01	2.15E-01
7500.	-3.28E-03	2.52E 02	1.32E 00	1.75E-06	1.41E-08	7.85E 01	3.22E-01
10000.	-4.38E-03	2.52E 02	1.76E 00	1.75E-06	1.88E-08	7.85E 01	4.29E-01
25000.	-1.09E-02	2.52E 02	4.41E 00	1.75E-06	4.69E-08	7.84E 01	1.07E 00
50000.	-2.19E-02	2.52E 02	8.81E 00	1.74E-06	9.37E-08	7.84E 01	2.14E 00
100000.	-4.38E-02	2.51E 02	1.75E 01	1.73E-06	1.86E-07	7.82E 01	4.27E 00
150000.	-6.57E-02	2.49E 02	2.61E 01	1.71E-06	2.77E-07	7.79E 01	6.38E 00

P= 200.000 T= 25000. NTOT=5.87E 19 DEBYE=2.15E-07 LAMBDA=1.29E 01 LNLMBD= 2.55
N1=2.57892E 19 N2=7.36929E 18 N3=2.53256E 19 N4=2.31817E 17 N5=2.55028E 12

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.64E 02	0.00E-01	1.95E-06	0.00E-01	8.59E 01	0.00E-01
500.	-2.27E-04	2.64E 02	9.72E-02	1.95E-06	1.10E-09	8.59E 01	2.48E-02
1000.	-4.53E-04	2.64E 02	1.94E-01	1.95E-06	2.20E-09	8.59E 01	4.96E-02
2500.	-1.13E-03	2.64E 02	4.86E-01	1.95E-06	5.51E-09	8.59E 01	1.24E-01
5000.	-2.27E-03	2.64E 02	9.72E-01	1.95E-06	1.10E-08	8.59E 01	2.48E-01
7500.	-3.40E-03	2.64E 02	1.46E 00	1.95E-06	1.65E-08	8.59E 01	3.72E-01
10000.	-4.53E-03	2.64E 02	1.94E 00	1.95E-06	2.20E-08	8.59E 01	4.96E-01
25000.	-1.13E-02	2.64E 02	4.86E 00	1.95E-06	5.50E-08	8.59E 01	1.24E 00
50000.	-2.27E-02	2.64E 02	9.70E 00	1.94E-06	1.10E-07	8.58E 01	2.48E 00
100000.	-4.53E-02	2.63E 02	1.93E 01	1.93E-06	2.18E-07	8.56E 01	4.94E 00
150000.	-6.80E-02	2.61E 02	2.87E 01	1.90E-06	3.24E-07	8.52E 01	7.37E 00

P= 200.000 T= 26000. NTOT=5.65E 19 DEBYE=2.20E-07 LAMBDA=1.37E 01 LNLMBD= 2.62
N1=2.55984E 19 N2=5.64124E 18 N3=2.48376E 19 N4=3.80375E 17 N5=8.74864E 12

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.75E 02	0.00E-01	2.14E-06	0.00E-01	9.31E 01	0.00E-01
500.	-2.35E-04	2.75E 02	1.06E-01	2.14E-06	1.27E-09	9.31E 01	2.84E-02
1000.	-4.70E-04	2.75E 02	2.12E-01	2.14E-06	2.55E-09	9.31E 01	5.68E-02
2500.	-1.18E-03	2.75E 02	5.31E-01	2.14E-06	6.36E-09	9.31E 01	1.42E-01
5000.	-2.35E-03	2.75E 02	1.06E 00	2.14E-06	1.27E-08	9.31E 01	2.84E-01
7500.	-3.53E-03	2.75E 02	1.59E 00	2.14E-06	1.91E-08	9.31E 01	4.26E-01
10000.	-4.70E-03	2.75E 02	2.12E 00	2.14E-06	2.55E-08	9.31E 01	5.68E-01
25000.	-1.18E-02	2.74E 02	5.31E 00	2.14E-06	6.36E-08	9.31E 01	1.42E 00
50000.	-2.35E-02	2.74E 02	1.06E 01	2.13E-06	1.27E-07	9.30E 01	2.83E 00
100000.	-4.70E-02	2.73E 02	2.11E 01	2.11E-06	2.52E-07	9.27E 01	5.65E 00
150000.	-7.06E-02	2.71E 02	3.14E 01	2.08E-06	3.74E-07	9.23E 01	8.43E 00

P= 500.000 T= 3000. NTOT=1.22E 21 DEBYE=3.35E-02 LAMBDA=2.40E 05 LNLMBD=12.39
N1=1.27521E 08 N2=1.22325E 21 N3=1.27521E 08 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.67E-08	0.00E-01	-4.08E-17	0.00E-01	4.21E-10	0.00E-01
500.	-2.14E-03	2.67E-08	2.96E-10	-4.08E-17	-5.87E-19	4.21E-10	2.23E-12
1000.	-4.29E-03	2.66E-08	5.92E-10	-4.08E-17	-1.17E-18	4.21E-10	4.47E-12
2500.	-1.07E-02	2.66E-08	1.47E-09	-4.06E-17	-2.92E-18	4.21E-10	1.11E-11
5000.	-2.14E-02	2.63E-08	2.91E-09	-4.00E-17	-5.75E-18	4.19E-10	2.21E-11
7500.	-3.21E-02	2.58E-08	4.27E-09	-3.90E-17	-8.42E-18	4.17E-10	3.28E-11
10000.	-4.29E-02	2.52E-08	5.52E-09	-3.77E-17	-1.09E-17	4.14E-10	4.31E-11
25000.	-1.07E-01	2.01E-08	1.03E-08	-2.71E-17	-1.95E-17	3.83E-10	9.21E-11
50000.	-2.14E-01	1.42E-08	1.15E-08	-1.58E-17	-2.00E-17	3.25E-10	1.30E-10
100000.	-4.29E-01	7.77E-09	9.42E-09	-6.24E-18	-1.39E-17	2.48E-10	1.47E-10
150000.	-6.43E-01	4.77E-09	7.82E-09	-1.94E-18	-1.03E-17	2.17E-10	1.46E-10

P= 500.000 T= 4000. NTOT=9.17E 20 DEBYE=8.18E-04 LAMBDA=7.83E 03 LNLMBD= 8.97
N1=2.84718E 11 N2=9.17437E 20 N3=2.84718E 11 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.69E-05	0.00E-01	-1.36E-13	0.00E-01	1.11E-06	0.00E-01
500.	-1.66E-03	5.68E-05	7.58E-07	-1.36E-13	-2.31E-15	1.11E-06	6.24E-09
1000.	-3.33E-03	5.68E-05	1.51E-06	-1.36E-13	-4.62E-15	1.11E-06	1.25E-08
2500.	-8.32E-03	5.65E-05	3.76E-06	-1.35E-13	-1.15E-14	1.11E-06	3.11E-08
5000.	-1.66E-02	5.56E-05	7.36E-06	-1.32E-13	-2.24E-14	1.11E-06	6.15E-08
7500.	-2.49E-02	5.42E-05	1.07E-05	-1.28E-13	-3.23E-14	1.10E-06	9.06E-08
10000.	-3.33E-02	5.24E-05	1.36E-05	-1.22E-13	-4.10E-14	1.09E-06	1.18E-07
25000.	-8.32E-02	3.91E-05	2.25E-05	-8.03E-14	-6.55E-14	1.00E-06	2.40E-07
50000.	-1.66E-01	2.85E-05	2.25E-05	-4.66E-14	-6.03E-14	8.55E-07	3.34E-07
100000.	-3.33E-01	1.69E-05	1.80E-05	-2.20E-14	-4.11E-14	6.58E-07	3.75E-07
150000.	-4.99E-01	1.07E-05	1.56E-05	-9.06E-15	-3.01E-14	5.61E-07	3.73E-07

P= 500.000 T= 5000. NTOT=7.34E 20 DEBYE=8.98E-05 LAMBDA=1.07E 03 LNLMBD= 6.98
N1=2.95559E 13 N2=7.33949E 20 N3=2.95559E 13 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.38E-03	0.00E-01	-1.76E-11	0.00E-01	1.32E-04	0.00E-01
500.	-1.38E-03	5.38E-03	7.87E-05	-1.76E-11	-3.30E-13	1.32E-04	7.55E-07
1000.	-2.77E-03	5.38E-03	1.57E-04	-1.75E-11	-6.58E-13	1.32E-04	1.51E-06
2500.	-6.92E-03	5.35E-03	3.89E-04	-1.74E-11	-1.63E-12	1.31E-04	3.76E-06
5000.	-1.38E-02	5.24E-03	7.54E-04	-1.69E-11	-3.15E-12	1.31E-04	7.45E-06
7500.	-2.08E-02	5.07E-03	1.07E-03	-1.62E-11	-4.47E-12	1.30E-04	1.10E-05
10000.	-2.77E-02	4.86E-03	1.34E-03	-1.53E-11	-5.56E-12	1.29E-04	1.44E-05
25000.	-6.92E-02	3.59E-03	2.06E-03	-9.82E-12	-8.14E-12	1.17E-04	2.87E-05
50000.	-1.38E-01	2.61E-03	2.03E-03	-5.53E-12	-7.37E-12	1.00E-04	3.85E-05
100000.	-2.77E-01	1.72E-03	1.63E-03	-3.10E-12	-5.07E-12	7.78E-05	4.28E-05
150000.	-4.15E-01	1.15E-03	1.42E-03	-1.55E-12	-3.57E-12	6.43E-05	4.25E-05

P= 500.000 T= 6000. NTOT=6.12E 20 DEBYE=2.08E-05 LAMBDA=2.98E 02 LNLMBD= 5.70
N1=6.62184E 14 N2=6.11623E 20 N3=6.62184E 14 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.03E-01	0.00E-01	-3.95E-10	0.00E-01	2.57E-03	0.00E-01
500.	-1.20E-03	1.03E-01	1.44E-03	-3.94E-10	-6.63E-12	2.57E-03	1.40E-06
1000.	-2.40E-03	1.03E-01	2.87E-03	-3.94E-10	-1.33E-11	2.57E-03	2.80E-06
2500.	-5.99E-03	1.03E-01	7.11E-03	-3.91E-10	-3.29E-11	2.58E-03	7.00E-06
5000.	-1.20E-02	1.01E-01	1.38E-02	-3.82E-10	-6.38E-11	2.60E-03	1.40E-05
7500.	-1.80E-02	9.75E-02	1.96E-02	-3.68E-10	-9.14E-11	2.63E-03	2.10E-05
10000.	-2.40E-02	9.38E-02	2.46E-02	-3.51E-10	-1.15E-10	2.66E-03	2.80E-05
25000.	-5.99E-02	7.06E-02	3.76E-02	-2.39E-10	-1.76E-10	2.74E-03	6.99E-05
50000.	-1.20E-01	5.14E-02	3.79E-02	-1.31E-10	-1.68E-10	2.48E-03	1.39E-04
100000.	-2.40E-01	3.72E-02	3.17E-02	-8.43E-11	-1.24E-10	1.97E-03	2.71E-04
150000.	-3.59E-01	2.62E-02	2.75E-02	-4.85E-11	-8.44E-11	1.54E-03	3.92E-04

P= 500.000 T= 7000. NTOT=5.24E 20 DEBYE=7.34E-06 LAMBDA=1.23E 02 LNLMBD= 4.81
N1=6.19330E 15 N2=5.24237E 20 N3=6.19330E 15 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	6.19E-01	0.00E-01	-2.22E-09	0.00E-01	1.84E-02	0.00E-01
500.	-1.05E-03	6.19E-01	4.29E-03	-2.22E-09	-1.74E-11	1.84E-02	1.17E-05
1000.	-2.11E-03	6.19E-01	8.59E-03	-2.22E-09	-3.48E-11	1.84E-02	2.33E-05
2500.	-5.27E-03	6.18E-01	2.14E-02	-2.21E-09	-8.69E-11	1.84E-02	5.84E-05
5000.	-1.05E-02	6.15E-01	4.25E-02	-2.20E-09	-1.73E-10	1.84E-02	1.17E-04
7500.	-1.58E-02	6.10E-01	6.29E-02	-2.19E-09	-2.57E-10	1.84E-02	1.75E-04
10000.	-2.11E-02	6.03E-01	8.24E-02	-2.16E-09	-3.38E-10	1.85E-02	2.33E-04
25000.	-5.27E-02	5.40E-01	1.72E-01	-1.92E-09	-7.38E-10	1.92E-02	5.83E-04
50000.	-1.05E-01	4.06E-01	2.33E-01	-1.17E-09	-1.04E-09	2.05E-02	1.16E-03
100000.	-2.11E-01	3.24E-01	2.37E-01	-8.62E-10	-1.03E-09	1.98E-02	2.28E-03
150000.	-3.16E-01	2.47E-01	2.09E-01	-5.71E-10	-7.38E-10	1.50E-02	3.32E-03

P= 500.000 T= 8000. NTOT=4.59E 20 DEBYE=3.37E-06 LAMBDA=6.45E 01 LNLMBD= 4.17
N1=3.36275E 16 N2=4.58651E 20 N3=3.36275E 16 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.02E 00	0.00E-01	-6.16E-09	0.00E-01	8.36E-02	0.00E-01
500.	-9.24E-04	2.02E 00	6.00E-03	-6.16E-09	-2.16E-11	8.36E-02	5.25E-05
1000.	-1.85E-03	2.02E 00	1.20E-02	-6.16E-09	-4.31E-11	8.36E-02	1.05E-04
2500.	-4.62E-03	2.02E 00	3.00E-02	-6.16E-09	-1.08E-10	8.36E-02	2.62E-04
5000.	-9.24E-03	2.02E 00	5.99E-02	-6.16E-09	-2.15E-10	8.36E-02	5.25E-04
7500.	-1.39E-02	2.02E 00	8.97E-02	-6.15E-09	-3.23E-10	8.36E-02	7.87E-04
10000.	-1.85E-02	2.01E 00	1.19E-01	-6.13E-09	-4.29E-10	8.36E-02	1.05E-03
25000.	-4.62E-02	1.97E 00	2.89E-01	-5.99E-09	-1.05E-09	8.35E-02	2.62E-03
50000.	-9.24E-02	1.71E 00	5.25E-01	-5.11E-09	-1.94E-09	8.33E-02	5.22E-03
100000.	-1.85E-01	1.51E 00	7.82E-01	-4.30E-09	-3.02E-09	8.23E-02	1.03E-02
150000.	-2.77E-01	1.27E 00	7.75E-01	-3.33E-09	-2.95E-09	8.06E-02	1.51E-02

P= 500.000 T= 9000. NTOT=4.08E 20 DEBYE=1.84E-06 LAMBDA=3.95E 01 LNLMBD= 3.68
N1=1.27212E 17 N2=4.07495E 20 N3=1.27212E 17 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.92E 00	0.00E-01	-1.26E-08	0.00E-01	2.93E-01	0.00E-01
500.	-7.92E-04	4.92E 00	7.67E-03	-1.26E-08	-2.34E-11	2.93E-01	1.48E-04
1000.	-1.58E-03	4.92E 00	1.53E-02	-1.26E-08	-4.68E-11	2.93E-01	2.96E-04
2500.	-3.96E-03	4.92E 00	3.83E-02	-1.26E-08	-1.17E-10	2.93E-01	7.41E-04
5000.	-7.92E-03	4.92E 00	7.67E-02	-1.26E-08	-2.34E-10	2.93E-01	1.48E-03
7500.	-1.19E-02	4.92E 00	1.15E-01	-1.26E-08	-3.51E-10	2.93E-01	2.22E-03
10000.	-1.58E-02	4.91E 00	1.53E-01	-1.26E-08	-4.67E-10	2.93E-01	2.96E-03
25000.	-3.96E-02	4.88E 00	3.80E-01	-1.26E-08	-1.16E-09	2.93E-01	7.40E-03
50000.	-7.92E-02	4.62E 00	7.42E-01	-1.28E-08	-2.28E-09	2.92E-01	1.48E-02
100000.	-1.58E-01	4.37E 00	1.35E 00	-1.18E-08	-4.25E-09	2.90E-01	2.93E-02
150000.	-2.37E-01	4.02E 00	1.61E 00	-1.04E-08	-6.00E-09	2.86E-01	4.33E-02

P= 500.000 T= 10000. NTOT=3.67E 20 DEBYE=1.13E-06 LAMBDA=2.70E 01 LNLMBD= 3.30
N1=3.73792E 17 N2=3.66227E 20 N3=3.73792E 17 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	9.71E 00	0.00E-01	-2.19E-08	0.00E-01	7.61E-01	0.00E-01
500.	-6.57E-04	9.71E 00	9.24E-03	-2.19E-08	-2.71E-11	7.61E-01	2.95E-04
1000.	-1.31E-03	9.71E 00	1.85E-02	-2.19E-08	-5.41E-11	7.61E-01	5.90E-04
2500.	-3.28E-03	9.71E 00	4.62E-02	-2.19E-08	-1.35E-10	7.61E-01	1.48E-03
5000.	-6.57E-03	9.71E 00	9.24E-02	-2.19E-08	-2.71E-10	7.61E-01	2.95E-03
7500.	-9.85E-03	9.71E 00	1.39E-01	-2.19E-08	-4.06E-10	7.61E-01	4.43E-03
10000.	-1.31E-02	9.71E 00	1.85E-01	-2.19E-08	-5.41E-10	7.61E-01	5.90E-03
25000.	-3.28E-02	9.71E 00	4.61E-01	-2.19E-08	-1.35E-09	7.61E-01	1.48E-02
50000.	-6.57E-02	9.58E 00	9.14E-01	-2.17E-08	-2.68E-09	7.60E-01	2.95E-02
100000.	-1.31E-01	9.36E 00	1.77E 00	-2.09E-08	-5.21E-09	7.56E-01	5.86E-02
150000.	-1.97E-01	9.02E 00	2.36E 00	-1.97E-08	-7.46E-09	7.50E-01	8.72E-02

P= 500.000 T= 11000. NTOT=3.34E 20 DEBYE=7.56E-07 LAMBDA=1.99E 01 LNLMBD= 2.99
N1=9.16727E 17 N2=3.31780E 20 N3=9.16727E 17 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.72E 01	0.00E-01	-2.73E-08	0.00E-01	1.61E 00	0.00E-01
500.	-5.29E-04	1.72E 01	1.05E-02	-2.73E-08	-2.35E-11	1.61E 00	4.67E-04
1000.	-1.06E-03	1.72E 01	2.11E-02	-2.73E-08	-4.70E-11	1.61E 00	9.34E-04
2500.	-2.65E-03	1.72E 01	5.29E-02	-2.73E-08	-1.17E-10	1.61E 00	2.34E-03
5000.	-5.29E-03	1.72E 01	1.05E-01	-2.73E-08	-2.35E-10	1.61E 00	4.67E-03
7500.	-7.94E-03	1.72E 01	1.58E-01	-2.73E-08	-3.52E-10	1.61E 00	7.01E-03
10000.	-1.06E-02	1.72E 01	2.11E-01	-2.73E-08	-4.69E-10	1.61E 00	9.34E-03
25000.	-2.65E-02	1.72E 01	5.28E-01	-2.73E-08	-1.17E-09	1.61E 00	2.33E-02
50000.	-5.29E-02	1.71E 01	1.05E 00	-2.71E-08	-2.34E-09	1.61E 00	4.67E-02
100000.	-1.06E-01	1.69E 01	2.08E 00	-2.67E-08	-4.61E-09	1.60E 00	9.31E-02
150000.	-1.59E-01	1.66E 01	3.05E 00	-2.59E-08	-6.77E-09	1.59E 00	1.39E-01

P= 500.000 T= 12000. NTOT=3.06E 20 DEBYE=5.43E-07 LAMBDA=1.56E 01 LNLMBD= 2.75
N1=1.93939E 18 N2=3.01933E 20 N3=1.93939E 18 N4=5.38901E 10 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.76E 01	0.00E-01	-2.50E-08	0.00E-01	2.94E 00	0.00E-01
500.	-4.21E-04	2.76E 01	1.25E-02	-2.50E-08	-1.57E-11	2.94E 00	6.53E-04
1000.	-8.41E-04	2.76E 01	2.50E-02	-2.50E-08	-3.13E-11	2.94E 00	1.31E-03
2500.	-2.10E-03	2.76E 01	6.25E-02	-2.50E-08	-7.83E-11	2.94E 00	3.26E-03
5000.	-4.21E-03	2.76E 01	1.25E-01	-2.50E-08	-1.57E-10	2.94E 00	6.53E-03
7500.	-6.31E-03	2.76E 01	1.87E-01	-2.50E-08	-2.35E-10	2.94E 00	9.79E-03
10000.	-8.41E-03	2.76E 01	2.50E-01	-2.50E-08	-3.13E-10	2.94E 00	1.31E-02
25000.	-2.10E-02	2.76E 01	6.24E-01	-2.50E-08	-7.83E-10	2.94E 00	3.26E-02
50000.	-4.21E-02	2.76E 01	1.25E 00	-2.50E-08	-1.56E-09	2.94E 00	6.52E-02
100000.	-8.41E-02	2.74E 01	2.48E 00	-2.47E-08	-3.10E-09	2.94E 00	1.30E-01
150000.	-1.26E-01	2.71E 01	3.68E 00	-2.43E-08	-4.60E-09	2.93E 00	1.95E-01

P= 500.000 T= 13000. NTOT=2.82E 20 DEBYE=4.10E-07 LAMBDA=1.28E 01 LNLMBD= 2.55
N1=3.68370E 18 N2=2.74921E 20 N3=3.68370E 18 N4=5.66496E 11 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.12E 01	0.00E-01	-1.03E-08	0.00E-01	4.92E 00	0.00E-01
500.	-3.33E-04	4.12E 01	1.46E-02	-1.03E-08	-4.41E-12	4.92E 00	8.59E-04
1000.	-6.66E-04	4.12E 01	2.92E-02	-1.03E-08	-8.83E-12	4.92E 00	1.72E-03
2500.	-1.66E-03	4.12E 01	7.29E-02	-1.03E-08	-2.21E-11	4.92E 00	4.29E-03
5000.	-3.33E-03	4.12E 01	1.46E-01	-1.03E-08	-4.41E-11	4.92E 00	8.59E-03
7500.	-4.99E-03	4.12E 01	2.19E-01	-1.03E-08	-6.62E-11	4.92E 00	1.29E-02
10000.	-6.66E-03	4.12E 01	2.92E-01	-1.03E-08	-8.83E-11	4.92E 00	1.72E-02
25000.	-1.66E-02	4.11E 01	7.29E-01	-1.03E-08	-2.21E-10	4.92E 00	4.29E-02
50000.	-3.33E-02	4.11E 01	1.46E 00	-1.03E-08	-4.41E-10	4.91E 00	8.59E-02
100000.	-6.66E-02	4.09E 01	2.90E 00	-1.02E-08	-8.78E-10	4.91E 00	1.72E-01
150000.	-9.98E-02	4.07E 01	4.33E 00	-1.01E-08	-1.31E-09	4.90E 00	2.57E-01

P= 500.000 T= 14000. NTOT=2.62E 20 DEBYE=3.23E-07 LAMBDA=1.08E 01 LNLMBD= 2.38
N1=6.38182E 18 N2=2.49361E 20 N3=6.38182E 18 N4=4.37463E 12 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.77E 01	0.00E-01	2.06E-08	0.00E-01	7.70E 00	0.00E-01
500.	-2.66E-04	5.77E 01	1.66E-02	2.06E-08	9.11E-12	7.70E 00	1.12E-03
1000.	-5.33E-04	5.77E 01	3.33E-02	2.06E-08	1.82E-11	7.70E 00	2.23E-03
2500.	-1.33E-03	5.77E 01	8.32E-02	2.06E-08	4.56E-11	7.70E 00	5.58E-03
5000.	-2.66E-03	5.77E 01	1.66E-01	2.06E-08	9.11E-11	7.70E 00	1.12E-02
7500.	-4.00E-03	5.77E 01	2.50E-01	2.06E-08	1.37E-10	7.70E 00	1.67E-02
10000.	-5.33E-03	5.77E 01	3.33E-01	2.06E-08	1.82E-10	7.70E 00	2.23E-02
25000.	-1.33E-02	5.77E 01	8.32E-01	2.06E-08	4.55E-10	7.70E 00	5.58E-02
50000.	-2.66E-02	5.76E 01	1.66E 00	2.06E-08	9.10E-10	7.70E 00	1.12E-01
100000.	-5.33E-02	5.75E 01	3.32E 00	2.05E-08	1.81E-09	7.69E 00	2.23E-01
150000.	-7.99E-02	5.72E 01	4.96E 00	2.03E-08	2.71E-09	7.68E 00	3.34E-01

P= 500.000 T= 15000. NTOT=2.45E 20 DEBYE=2.64E-07 LAMBDA=9.49E 00 LNLMBD= 2.25
N1=1.02202E 19 N2=2.24210E 20 N3=1.02201E 19 N4=2.62166E 13 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	7.66E 01	0.00E-01	7.38E-08	0.00E-01	1.14E 01	0.00E-01
500.	-2.16E-04	7.66E 01	1.85E-02	7.38E-08	2.56E-11	1.14E 01	1.44E-03
1000.	-4.32E-04	7.66E 01	3.71E-02	7.38E-08	5.12E-11	1.14E 01	2.87E-03
2500.	-1.08E-03	7.66E 01	9.27E-02	7.38E-08	1.28E-10	1.14E 01	7.18E-03
5000.	-2.16E-03	7.66E 01	1.85E-01	7.38E-08	2.56E-10	1.14E 01	1.44E-02
7500.	-3.24E-03	7.66E 01	2.78E-01	7.38E-08	3.84E-10	1.14E 01	2.16E-02
10000.	-4.32E-03	7.66E 01	3.71E-01	7.38E-08	5.12E-10	1.14E 01	2.87E-02
25000.	-1.08E-02	7.66E 01	9.27E-01	7.38E-08	1.28E-09	1.14E 01	7.18E-02
50000.	-2.16E-02	7.66E 01	1.85E 00	7.38E-08	2.56E-09	1.14E 01	1.44E-01
100000.	-4.32E-02	7.64E 01	3.70E 00	7.35E-08	5.11E-09	1.14E 01	2.87E-01
150000.	-6.49E-02	7.62E 01	5.53E 00	7.32E-08	7.64E-09	1.14E 01	4.30E-01

P= 500.000 T= 16000. NTOT=2.29E 20 DEBYE=2.23E-07 LAMBDA=8.56E 00 LNLMBD= 2.15
N1=1.52695E 19 N2=1.98820E 20 N3=1.52692E 19 N4=1.26796E 14 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	9.78E 01	0.00E-01	1.50E-07	0.00E-01	1.63E 01	0.00E-01
500.	-1.81E-04	9.78E 01	2.04E-02	1.50E-07	4.45E-11	1.63E 01	1.88E-03
1000.	-3.61E-04	9.78E 01	4.09E-02	1.50E-07	8.90E-11	1.63E 01	3.76E-03
2500.	-9.04E-04	9.78E 01	1.02E-01	1.50E-07	2.22E-10	1.63E 01	9.40E-03
5000.	-1.81E-03	9.78E 01	2.04E-01	1.50E-07	4.45E-10	1.63E 01	1.88E-02
7500.	-2.71E-03	9.78E 01	3.07E-01	1.50E-07	6.67E-10	1.63E 01	2.82E-02
10000.	-3.61E-03	9.78E 01	4.09E-01	1.50E-07	8.90E-10	1.63E 01	3.76E-02
25000.	-9.04E-03	9.78E 01	1.02E 00	1.50E-07	2.22E-09	1.63E 01	9.40E-02
50000.	-1.81E-02	9.78E 01	2.04E 00	1.50E-07	4.45E-09	1.63E 01	1.88E-01
100000.	-3.61E-02	9.77E 01	4.08E 00	1.50E-07	8.88E-09	1.63E 01	3.76E-01
150000.	-5.42E-02	9.75E 01	6.11E 00	1.49E-07	1.33E-08	1.63E 01	5.63E-01

P= 500.000 T= 17000. NTOT=2.16E 20 DEBYE=1.95E-07 LAMBDA=7.92E 00 LNLMBD= 2.07
N1=2.13973E 19 N2=1.73073E 20 N3=2.13963E 19 N4=5.08244E 14 N5=9.46334E 05

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.21E 02	0.00E-01	2.56E-07	0.00E-01	2.25E 01	0.00E-01
500.	-1.55E-04	1.21E 02	2.24E-02	2.56E-07	6.75E-11	2.25E 01	2.47E-03
1000.	-3.11E-04	1.21E 02	4.48E-02	2.56E-07	1.35E-10	2.25E 01	4.93E-03
2500.	-7.77E-04	1.21E 02	1.12E-01	2.56E-07	3.37E-10	2.25E 01	1.23E-02
5000.	-1.55E-03	1.21E 02	2.24E-01	2.56E-07	6.75E-10	2.25E 01	2.47E-02
7500.	-2.33E-03	1.21E 02	3.36E-01	2.56E-07	1.01E-09	2.25E 01	3.70E-02
10000.	-3.11E-03	1.21E 02	4.48E-01	2.56E-07	1.35E-09	2.25E 01	4.93E-02
25000.	-7.77E-03	1.21E 02	1.12E 00	2.56E-07	3.37E-09	2.25E 01	1.23E-01
50000.	-1.55E-02	1.21E 02	2.24E 00	2.56E-07	6.75E-09	2.25E 01	2.47E-01
100000.	-3.11E-02	1.21E 02	4.47E 00	2.55E-07	1.35E-08	2.25E 01	4.93E-01
150000.	-4.66E-02	1.20E 02	6.70E 00	2.54E-07	2.02E-08	2.25E 01	7.39E-01

P= 500.000 T= 18000. NTOT=2.04E 20 DEBYE=1.74E-07 LAMBDA=7.51E 00 LNLMBD= 2.02
N1=2.82446E 19 N2=1.47387E 20 N3=2.82412E 19 N4=1.72588E 15 N5=1.44179E 07

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.45E 02	0.00E-01	3.93E-07	0.00E-01	2.99E 01	0.00E-01
500.	-1.38E-04	1.45E 02	2.46E-02	3.93E-07	9.62E-11	2.99E 01	3.22E-03
1000.	-2.76E-04	1.45E 02	4.91E-02	3.93E-07	1.92E-10	2.99E 01	6.44E-03
2500.	-6.89E-04	1.45E 02	1.23E-01	3.93E-07	4.81E-10	2.99E 01	1.61E-02
5000.	-1.38E-03	1.45E 02	2.46E-01	3.93E-07	9.62E-10	2.99E 01	3.22E-02
7500.	-2.07E-03	1.45E 02	3.69E-01	3.93E-07	1.44E-09	2.99E 01	4.83E-02
10000.	-2.76E-03	1.45E 02	4.91E-01	3.93E-07	1.92E-09	2.99E 01	6.44E-02
25000.	-6.89E-03	1.45E 02	1.23E 00	3.93E-07	4.81E-09	2.99E 01	1.61E-01
50000.	-1.38E-02	1.45E 02	2.46E 00	3.93E-07	9.62E-09	2.99E 01	3.22E-01
100000.	-2.76E-02	1.44E 02	4.91E 00	3.93E-07	1.92E-08	2.99E 01	6.44E-01
150000.	-4.13E-02	1.44E 02	7.35E 00	3.92E-07	2.88E-08	2.99E 01	9.65E-01

P= 500.000 T= 19000. NTOT=1.93E 20 DEBYE=1.60E-07 LAMBDA=7.28E 00 LNLMBD= 1.99
N1=3.53054E 19 N2=1.22539E 20 N3=3.52953E 19 N4=5.06005E 15 N5=1.61458E 08

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.69E 02	0.00E-01	5.64E-07	0.00E-01	3.85E 01	0.00E-01
500.	-1.26E-04	1.69E 02	2.71E-02	5.64E-07	1.32E-10	3.85E 01	4.17E-03
1000.	-2.52E-04	1.69E 02	5.42E-02	5.64E-07	2.65E-10	3.85E 01	8.33E-03
2500.	-6.29E-04	1.69E 02	1.35E-01	5.64E-07	6.62E-10	3.85E 01	2.08E-02
5000.	-1.26E-03	1.69E 02	2.71E-01	5.64E-07	1.32E-09	3.85E 01	4.17E-02
7500.	-1.89E-03	1.69E 02	4.06E-01	5.64E-07	1.99E-09	3.85E 01	6.25E-02
10000.	-2.52E-03	1.69E 02	5.42E-01	5.64E-07	2.65E-09	3.85E 01	8.33E-02
25000.	-6.29E-03	1.69E 02	1.35E 00	5.64E-07	6.62E-09	3.85E 01	2.08E-01
50000.	-1.26E-02	1.69E 02	2.71E 00	5.64E-07	1.32E-08	3.85E 01	4.17E-01
100000.	-2.52E-02	1.69E 02	5.41E 00	5.63E-07	2.64E-08	3.85E 01	8.33E-01
150000.	-3.77E-02	1.69E 02	8.11E 00	5.62E-07	3.96E-08	3.84E 01	1.25E 00

P= 500.000 T= 20000. NTOT=1.83E 20 DEBYE=1.51E-07 LAMBDA=7.21E 00 LNLMBD= 1.98
N1=4.19445E 19 N2=9.96113E 19 N3=4.19185E 19 N4=1.30162E 16 N5=1.37752E 09

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.93E 02	0.00E-01	7.66E-07	0.00E-01	4.79E 01	0.00E-01
500.	-1.18E-04	1.93E 02	3.00E-02	7.66E-07	1.77E-10	4.79E 01	5.32E-03
1000.	-2.36E-04	1.93E 02	6.01E-02	7.66E-07	3.55E-10	4.79E 01	1.06E-02
2500.	-5.91E-04	1.93E 02	1.50E-01	7.66E-07	8.87E-10	4.79E 01	2.66E-02
5000.	-1.18E-03	1.93E 02	3.00E-01	7.66E-07	1.77E-09	4.79E 01	5.32E-02
7500.	-1.77E-03	1.93E 02	4.51E-01	7.66E-07	2.66E-09	4.79E 01	7.97E-02
10000.	-2.36E-03	1.93E 02	6.01E-01	7.66E-07	3.55E-09	4.79E 01	1.06E-01
25000.	-5.91E-03	1.93E 02	1.50E 00	7.66E-07	8.86E-09	4.79E 01	2.66E-01
50000.	-1.18E-02	1.93E 02	3.00E 00	7.66E-07	1.77E-08	4.79E 01	5.32E-01
100000.	-2.36E-02	1.93E 02	6.00E 00	7.65E-07	3.54E-08	4.79E 01	1.06E 00
150000.	-3.54E-02	1.92E 02	8.99E 00	7.63E-07	5.30E-08	4.79E 01	1.59E 00

P= 500.000 T= 21000. NTOT=1.75E 20 DEBYE=1.45E-07 LAMBDA=7.28E 00 LNLMBD= 1.99
N1=4.76793E 19 N2=7.94210E 19 N3=4.76196E 19 N4=2.98896E 16 N5=9.28447E 09

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.17E 02	0.00E-01	1.00E-06	0.00E-01	5.78E 01	0.00E-01
500.	-1.14E-04	2.17E 02	3.39E-02	1.00E-06	2.35E-10	5.78E 01	6.62E-03
1000.	-2.28E-04	2.17E 02	6.79E-02	1.00E-06	4.70E-10	5.78E 01	1.32E-02
2500.	-5.71E-04	2.17E 02	1.70E-01	1.00E-06	1.18E-09	5.78E 01	3.31E-02
5000.	-1.14E-03	2.17E 02	3.39E-01	1.00E-06	2.35E-09	5.78E 01	6.62E-02
7500.	-1.71E-03	2.17E 02	5.09E-01	1.00E-06	3.53E-09	5.78E 01	9.93E-02
10000.	-2.28E-03	2.17E 02	6.79E-01	1.00E-06	4.70E-09	5.78E 01	1.32E-01
25000.	-5.71E-03	2.17E 02	1.70E 00	1.00E-06	1.18E-08	5.78E 01	3.31E-01
50000.	-1.14E-02	2.17E 02	3.39E 00	1.00E-06	2.35E-08	5.78E 01	6.62E-01
100000.	-2.28E-02	2.17E 02	6.78E 00	1.00E-06	4.69E-08	5.78E 01	1.32E 00
150000.	-3.43E-02	2.17E 02	1.02E 01	9.98E-07	7.03E-08	5.77E 01	1.98E 00

P= 500.000 T= 22000. NTOT=1.67E 20 DEBYE=1.42E-07 LAMBDA=7.46E 00 LNLMBD= 2.01
N1=5.22315E 19 N2=6.24061E 19 N3=5.21068E 19 N4=6.23156E 16 N5=5.11903E 10

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.40E 02	0.00E-01	1.25E-06	0.00E-01	6.79E 01	0.00E-01
500.	-1.13E-04	2.40E 02	3.82E-02	1.25E-06	3.02E-10	6.79E 01	8.10E-03
1000.	-2.25E-04	2.40E 02	7.64E-02	1.25E-06	6.04E-10	6.79E 01	1.62E-02
2500.	-5.63E-04	2.40E 02	1.91E-01	1.25E-06	1.51E-09	6.79E 01	4.05E-02
5000.	-1.13E-03	2.40E 02	3.82E-01	1.25E-06	3.02E-09	6.79E 01	8.10E-02
7500.	-1.69E-03	2.40E 02	5.73E-01	1.25E-06	4.53E-09	6.79E 01	1.22E-01
10000.	-2.25E-03	2.40E 02	7.64E-01	1.25E-06	6.04E-09	6.79E 01	1.62E-01
25000.	-5.63E-03	2.40E 02	1.91E 00	1.25E-06	1.51E-08	6.79E 01	4.05E-01
50000.	-1.13E-02	2.40E 02	3.82E 00	1.25E-06	3.02E-08	6.79E 01	8.10E-01
100000.	-2.25E-02	2.40E 02	7.63E 00	1.25E-06	6.03E-08	6.78E 01	1.62E 00
150000.	-3.38E-02	2.40E 02	1.14E 01	1.25E-06	9.03E-08	6.78E 01	2.43E 00

P= 500.000 T= 23000. NTOT=1.60E 20 DEBYE=1.40E-07 LAMBDA=7.73E 00 LNLMBD= 2.05
N1=5.55378E 19 N2=4.85985E 19 N3=5.52982E 19 N4=1.19805E 17 N5=2.38352E 11

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.61E 02	0.00E-01	1.51E-06	0.00E-01	7.79E 01	0.00E-01
500.	-1.13E-04	2.61E 02	4.28E-02	1.51E-06	3.78E-10	7.79E 01	9.76E-03
1000.	-2.25E-04	2.61E 02	8.56E-02	1.51E-06	7.56E-10	7.79E 01	1.95E-02
2500.	-5.64E-04	2.61E 02	2.14E-01	1.51E-06	1.89E-09	7.79E 01	4.88E-02
5000.	-1.13E-03	2.61E 02	4.28E-01	1.51E-06	3.78E-09	7.79E 01	9.76E-02
7500.	-1.69E-03	2.61E 02	6.42E-01	1.51E-06	5.67E-09	7.79E 01	1.46E-01
10000.	-2.25E-03	2.61E 02	8.56E-01	1.51E-06	7.56E-09	7.79E 01	1.95E-01
25000.	-5.64E-03	2.61E 02	2.14E 00	1.51E-06	1.89E-08	7.79E 01	4.88E-01
50000.	-1.13E-02	2.61E 02	4.28E 00	1.51E-06	3.78E-08	7.79E 01	9.76E-01
100000.	-2.25E-02	2.61E 02	8.55E 00	1.51E-06	7.55E-08	7.79E 01	1.95E 00
150000.	-3.38E-02	2.60E 02	1.28E 01	1.50E-06	1.13E-07	7.78E 01	2.92E 00

P= 500.000 T= 24000. NTOT=1.53E 20 DEBYE=1.41E-07 LAMBDA=8.09E 00 LNLMBD= 2.09
N1=5.77062E 19 N2=3.77091E 19 N3=5.72756E 19 N4=2.15314E 17 N5=9.63667E 11

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.80E 02	0.00E-01	1.77E-06	0.00E-01	8.78E 01	0.00E-01
500.	-1.14E-04	2.80E 02	4.77E-02	1.77E-06	4.62E-10	8.78E 01	1.16E-02
1000.	-2.28E-04	2.80E 02	9.55E-02	1.77E-06	9.25E-10	8.78E 01	2.32E-02
2500.	-5.71E-04	2.80E 02	2.39E-01	1.77E-06	2.31E-09	8.78E 01	5.80E-02
5000.	-1.14E-03	2.80E 02	4.77E-01	1.77E-06	4.62E-09	8.78E 01	1.16E-01
7500.	-1.71E-03	2.80E 02	7.16E-01	1.77E-06	6.93E-09	8.78E 01	1.74E-01
10000.	-2.28E-03	2.80E 02	9.55E-01	1.77E-06	9.25E-09	8.78E 01	2.32E-01
25000.	-5.71E-03	2.80E 02	2.39E 00	1.77E-06	2.31E-08	8.78E 01	5.79E-01
50000.	-1.14E-02	2.80E 02	4.77E 00	1.77E-06	4.62E-08	8.78E 01	1.16E 00
100000.	-2.28E-02	2.80E 02	9.54E 00	1.77E-06	9.23E-08	8.77E 01	2.32E 00
150000.	-3.43E-02	2.79E 02	1.43E 01	1.76E-06	1.38E-07	8.76E 01	3.47E 00

P= 500.000 T= 25000. NTOT=1.47E 20 DEBYE=1.42E-07 LAMBDA=8.51E 00 LNLMBD= 2.14
N1=5.89339E 19 N2=2.92879E 19 N3=5.82024E 19 N4=3.65785E 17 N5=3.46038E 12

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.97E 02	0.00E-01	2.03E-06	0.00E-01	9.75E 01	0.00E-01
500.	-1.17E-04	2.97E 02	5.29E-02	2.03E-06	5.55E-10	9.75E 01	1.36E-02
1000.	-2.34E-04	2.97E 02	1.06E-01	2.03E-06	1.11E-09	9.75E 01	2.72E-02
2500.	-5.84E-04	2.97E 02	2.65E-01	2.03E-06	2.77E-09	9.75E 01	6.79E-02
5000.	-1.17E-03	2.97E 02	5.29E-01	2.03E-06	5.55E-09	9.75E 01	1.36E-01
7500.	-1.75E-03	2.97E 02	7.94E-01	2.03E-06	8.32E-09	9.75E 01	2.04E-01
10000.	-2.34E-03	2.97E 02	1.06E 00	2.03E-06	1.11E-08	9.75E 01	2.72E-01
25000.	-5.84E-03	2.97E 02	2.65E 00	2.03E-06	2.77E-08	9.74E 01	6.79E-01
50000.	-1.17E-02	2.97E 02	5.29E 00	2.03E-06	5.54E-08	9.74E 01	1.36E 00
100000.	-2.34E-02	2.96E 02	1.06E 01	2.02E-06	1.11E-07	9.74E 01	2.71E 00
150000.	-3.50E-02	2.96E 02	1.58E 01	2.01E-06	1.66E-07	9.73E 01	4.06E 00

P= 500.000 T= 26000. NTOT=1.41E 20 DEBYE=1.44E-07 LAMBDA=8.98E 00 LNLMBD= 2.20
N1=5.94472E 19 N2=2.28425E 19 N3=5.82619E 19 N4=5.92637E 17 N5=1.12414E 13

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.12E 02	0.00E-01	2.28E-06	0.00E-01	1.07E 02	0.00E-01
500.	-1.20E-04	3.12E 02	5.82E-02	2.28E-06	6.54E-10	1.07E 02	1.57E-02
1000.	-2.40E-04	3.12E 02	1.16E-01	2.28E-06	1.31E-09	1.07E 02	3.14E-02
2500.	-6.00E-04	3.12E 02	2.91E-01	2.28E-06	3.27E-09	1.07E 02	7.86E-02
5000.	-1.20E-03	3.12E 02	5.82E-01	2.28E-06	6.54E-09	1.07E 02	1.57E-01
7500.	-1.80E-03	3.12E 02	8.74E-01	2.28E-06	9.81E-09	1.07E 02	2.36E-01
10000.	-2.40E-03	3.12E 02	1.16E 00	2.28E-06	1.31E-08	1.07E 02	3.14E-01
25000.	-6.00E-03	3.12E 02	2.91E 00	2.28E-06	3.27E-08	1.07E 02	7.86E-01
50000.	-1.20E-02	3.12E 02	5.82E 00	2.28E-06	6.54E-08	1.07E 02	1.57E 00
100000.	-2.40E-02	3.11E 02	1.16E 01	2.27E-06	1.31E-07	1.07E 02	3.14E 00
150000.	-3.60E-02	3.11E 02	1.74E 01	2.26E-06	1.95E-07	1.07E 02	4.70E 00

P= 1000.000 T= 3000. NTOT=2.45E 21 DEBYE=2.81E-02 LAMBDA=2.02E 05 LNLMBD=12.22
N1=1.80331E 08 N2=2.44650E 21 N3=1.80331E 08 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
C.	0.00E-01	1.89E-08	0.00E-01	-2.88E-17	0.00E-01	2.98E-10	0.00E-01
500.	-1.07E-03	1.89E-08	1.05E-10	-2.88E-17	-2.08E-19	2.98E-10	7.90E-13
1000.	-2.14E-03	1.88E-08	2.09E-10	-2.88E-17	-4.15E-19	2.98E-10	1.58E-12
2500.	-5.36E-03	1.88E-08	5.23E-10	-2.88E-17	-1.04E-18	2.98E-10	3.95E-12
5000.	-1.07E-02	1.88E-08	1.04E-09	-2.87E-17	-2.07E-18	2.97E-10	7.88E-12
7500.	-1.61E-02	1.87E-08	1.56E-09	-2.85E-17	-3.08E-18	2.97E-10	1.18E-11
10000.	-2.14E-02	1.86E-08	2.06E-09	-2.83E-17	-4.07E-18	2.96E-10	1.57E-11
25000.	-5.36E-02	1.73E-08	4.70E-09	-2.56E-17	-9.20E-18	2.90E-10	3.74E-11
50000.	-1.07E-01	1.42E-08	7.29E-09	-1.92E-17	-1.38E-17	2.71E-10	6.51E-11
100000.	-2.14E-01	1.00E-08	8.16E-09	-1.12E-17	-1.42E-17	2.30E-10	9.19E-11
150000.	-3.21E-01	7.38E-09	7.46E-09	-7.21E-18	-1.19E-17	1.98E-10	1.01E-10

P= 1000.000 T= 4000. NTOT=1.83E 21 DEBYE=6.88E-04 LAMBDA=6.59E 03 LNLMBD= 8.79
N1=4.02680E 11 N2=1.83487E 21 N3=4.02680E 11 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.02E-05	0.00E-01	-9.63E-14	0.00E-01	7.88E-07	0.00E-01
500.	-8.32E-04	4.02E-05	2.68E-07	-9.63E-14	-8.17E-16	7.88E-07	2.21E-09
1000.	-1.66E-03	4.02E-05	5.36E-07	-9.62E-14	-1.63E-15	7.88E-07	4.42E-09
2500.	-4.16E-03	4.01E-05	1.34E-06	-9.61E-14	-4.08E-15	7.88E-07	1.10E-08
5000.	-8.32E-03	4.00E-05	2.66E-06	-9.56E-14	-8.11E-15	7.87E-07	2.20E-08
7500.	-1.25E-02	3.97E-05	3.95E-06	-9.47E-14	-1.20E-14	7.86E-07	3.28E-08
10000.	-1.66E-02	3.93E-05	5.21E-06	-9.35E-14	-1.58E-14	7.84E-07	4.35E-08
25000.	-4.16E-02	3.56E-05	1.13E-05	-8.14E-14	-3.41E-14	7.62E-07	1.01E-07
50000.	-8.32E-02	2.77E-05	1.59E-05	-5.68E-14	-4.63E-14	7.09E-07	1.70E-07
100000.	-1.66E-01	2.01E-05	1.59E-05	-3.30E-14	-4.26E-14	6.05E-07	2.36E-07
150000.	-2.49E-01	1.55E-05	1.42E-05	-2.31E-14	-3.50E-14	5.25E-07	2.59E-07

P= 1000.000 T= 5000. NTOT=1.47E 21 DEBYE=7.55E-05 LAMBDA=9.03E 02 LNLMBD= 6.81
N1=4.18192E 13 N2=1.46790E 21 N3=4.18192E 13 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.82E-03	0.00E-01	-1.25E-11	0.00E-01	9.38E-05	0.00E-01
500.	-6.92E-04	3.82E-03	2.80E-05	-1.25E-11	-1.18E-13	9.38E-05	2.79E-07
1000.	-1.38E-03	3.82E-03	5.60E-05	-1.25E-11	-2.35E-13	9.38E-05	5.57E-07
2500.	-3.46E-03	3.81E-03	1.40E-04	-1.25E-11	-5.87E-13	9.38E-05	1.39E-06
5000.	-6.92E-03	3.79E-03	2.77E-04	-1.24E-11	-1.16E-12	9.36E-05	2.78E-06
7500.	-1.04E-02	3.76E-03	4.10E-04	-1.22E-11	-1.72E-12	9.34E-05	4.15E-06
10000.	-1.38E-02	3.71E-03	5.36E-04	-1.20E-11	-2.25E-12	9.32E-05	5.49E-06
25000.	-3.46E-02	3.29E-03	1.11E-03	-1.01E-11	-4.56E-12	9.02E-05	1.27E-05
50000.	-6.92E-02	2.54E-03	1.46E-03	-6.95E-12	-5.78E-12	8.32E-05	2.06E-05
100000.	-1.38E-01	1.85E-03	1.44E-03	-3.91E-12	-5.22E-12	7.07E-05	2.74E-05
150000.	-2.08E-01	1.51E-03	1.28E-03	-2.99E-12	-4.30E-12	6.17E-05	2.97E-05

P= 1000.000 T= 6000. NTOT=1.22E 21 DEBYE=1.75E-05 LAMBDA=2.51E 02 LNLMBD= 5.52
N1=9.38151E 14 N2=1.22325E 21 N3=9.38151E 14 N

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	7.57E-02	0.00E-01	-2.97E-10	0.00E-01	1.94E-03	0.00E-01
500.	-5.99E-04	7.57E-02	5.64E-04	-2.97E-10	-2.71E-12	1.94E-03	4.27E-07
1000.	-1.20E-03	7.56E-02	1.13E-03	-2.97E-10	-5.42E-12	1.94E-03	8.58E-07
2500.	-3.00E-03	7.55E-02	2.81E-03	-2.96E-10	-1.35E-11	1.94E-03	2.20E-06
5000.	-5.99E-03	7.51E-02	5.57E-03	-2.94E-10	-2.68E-11	1.94E-03	4.73E-06
7500.	-8.99E-03	7.44E-02	8.22E-03	-2.91E-10	-3.96E-11	1.95E-03	7.92E-06
10000.	-1.20E-02	7.34E-02	1.07E-02	-2.86E-10	-5.18E-11	1.96E-03	1.20E-05
25000.	-3.00E-02	6.46E-02	2.17E-02	-2.43E-10	-1.05E-10	2.01E-03	6.07E-05
50000.	-5.99E-02	5.01E-02	2.77E-02	-1.70E-10	-1.33E-10	2.00E-03	1.83E-04
100000.	-1.20E-01	3.66E-02	2.72E-02	-9.34E-11	-1.22E-10	1.76E-03	3.36E-04
150000.	-1.80E-01	3.14E-02	2.48E-02	-7.64E-11	-1.04E-10	1.55E-03	4.06E-04

P= 1000.000 T= 7000. NTOT=1.05E 21 DEBYE=6.16E-06 LAMBDA=1.03E 02 LNLMBD= 4.64
N1=8.79675E 15 N2=1.04848E 21 N3=8.79675E 15 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.86E-01	0.00E-01	-1.86E-09	0.00E-01	1.39E-02	0.00E-01
500.	-5.30E-04	4.86E-01	2.07E-03	-1.86E-09	-8.96E-12	1.39E-02	4.23E-06
1000.	-1.06E-03	4.86E-01	4.13E-03	-1.86E-09	-1.79E-11	1.39E-02	8.47E-06
2500.	-2.65E-03	4.85E-01	1.03E-02	-1.86E-09	-4.48E-11	1.39E-02	2.12E-05
5000.	-5.30E-03	4.84E-01	2.06E-02	-1.85E-09	-8.93E-11	1.39E-02	4.23E-05
7500.	-7.95E-03	4.83E-01	3.07E-02	-1.85E-09	-1.33E-10	1.39E-02	6.35E-05
10000.	-1.06E-02	4.81E-01	4.06E-02	-1.84E-09	-1.77E-10	1.39E-02	8.47E-05
25000.	-2.65E-02	4.58E-01	9.37E-02	-1.75E-09	-4.16E-10	1.42E-02	2.12E-04
50000.	-5.30E-02	4.01E-01	1.50E-01	-1.50E-09	-6.94E-10	1.50E-02	4.23E-04
100000.	-1.06E-01	2.96E-01	1.84E-01	-8.64E-10	-8.80E-10	1.58E-02	8.41E-04
150000.	-1.59E-01	2.65E-01	1.83E-01	-7.49E-10	-8.61E-10	1.53E-02	1.25E-03

P= 1000.000 T= 8000. NTOT=9.17E 20 DEBYE=2.82E-06 LAMBDA=5.40E 01 LNLMBD= 3.99
N1=4.79525E 16 N2=9.17341E 20 N3=4.79525E 16 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.64E 00	0.00E-01	-5.54E-09	0.00E-01	6.27E-02	0.00E-01
500.	-4.70E-04	1.64E 00	3.05E-03	-5.54E-09	-1.20E-11	6.27E-02	2.00E-05
1000.	-9.39E-04	1.64E 00	6.10E-03	-5.54E-09	-2.40E-11	6.27E-02	3.99E-05
2500.	-2.35E-03	1.64E 00	1.52E-02	-5.54E-09	-5.99E-11	6.27E-02	9.98E-05
5000.	-4.70E-03	1.64E 00	3.05E-02	-5.54E-09	-1.20E-10	6.27E-02	2.00E-04
7500.	-7.04E-03	1.64E 00	4.57E-02	-5.54E-09	-1.80E-10	6.27E-02	2.99E-04
10000.	-9.39E-03	1.64E 00	6.09E-02	-5.53E-09	-2.39E-10	6.27E-02	3.99E-04
25000.	-2.35E-02	1.62E 00	1.50E-01	-5.48E-09	-5.92E-10	6.28E-02	9.97E-04
50000.	-4.70E-02	1.57E 00	2.87E-01	-5.30E-09	-1.15E-09	6.29E-02	1.99E-03
100000.	-9.39E-02	1.30E 00	4.92E-01	-4.09E-09	-2.03E-09	6.30E-02	3.97E-03
150000.	-1.41E-01	1.22E 00	6.06E-01	-3.74E-09	-2.58E-09	6.43E-02	5.92E-03

P= 1000.000 T= 9000. NTOT=8.15E 20 DEBYE=1.53E-06 LAMBDA=3.30E 01 LNLMBD= 3.50
N1=1.82370E 17 N2=8.15135E 20 N3=1.82370E 17 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	4.08E 00	0.00E-01	-1.18E-08	0.00E-01	2.24E-01	0.00E-01
500.	-4.11E-04	4.08E 00	3.94E-03	-1.18E-08	-1.32E-11	2.24E-01	6.13E-05
1000.	-8.23E-04	4.08E 00	7.88E-03	-1.18E-08	-2.63E-11	2.24E-01	1.23E-04
2500.	-2.06E-03	4.08E 00	1.97E-02	-1.18E-08	-6.59E-11	2.24E-01	3.07E-04
5000.	-4.11E-03	4.08E 00	3.94E-02	-1.18E-08	-1.32E-10	2.24E-01	6.13E-04
7500.	-6.17E-03	4.08E 00	5.91E-02	-1.18E-08	-1.98E-10	2.24E-01	9.20E-04
10000.	-8.23E-03	4.08E 00	7.88E-02	-1.18E-08	-2.64E-10	2.24E-01	1.23E-03
25000.	-2.06E-02	4.07E 00	1.96E-01	-1.18E-08	-6.57E-10	2.24E-01	3.06E-03
50000.	-4.11E-02	4.04E 00	3.89E-01	-1.17E-08	-1.31E-09	2.24E-01	6.13E-03
100000.	-8.23E-02	3.75E 00	7.47E-01	-1.16E-08	-2.54E-09	2.24E-01	1.22E-02
150000.	-1.23E-01	3.63E 00	1.05E 00	-1.11E-08	-3.64E-09	2.23E-01	1.83E-02

P= 1000.000 T= 10000. NTOT=7.34E 20 DEBYE=9.40E-07 LAMBDA=2.25E 01 LNLMBD= 3.11
N1=5.39374E 17 N2=7.32871E 20 N3=5.39374E 17 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	8.30E 00	0.00E-01	-2.30E-08	0.00E-01	6.12E-01	0.00E-01
500.	-3.53E-04	8.30E 00	4.85E-03	-2.30E-08	-1.72E-11	6.12E-01	1.35E-04
1000.	-7.06E-04	8.30E 00	9.69E-03	-2.30E-08	-3.45E-11	6.12E-01	2.70E-04
2500.	-1.77E-03	8.30E 00	2.42E-02	-2.30E-08	-8.61E-11	6.12E-01	6.76E-04
5000.	-3.53E-03	8.30E 00	4.85E-02	-2.30E-08	-1.72E-10	6.12E-01	1.35E-03
7500.	-5.30E-03	8.30E 00	7.27E-02	-2.30E-08	-2.58E-10	6.12E-01	2.03E-03
10000.	-7.06E-03	8.30E 00	9.69E-02	-2.30E-08	-3.45E-10	6.12E-01	2.70E-03
25000.	-1.77E-02	8.29E 00	2.42E-01	-2.30E-08	-8.61E-10	6.11E-01	6.76E-03
50000.	-3.53E-02	8.27E 00	4.83E-01	-2.29E-08	-1.72E-09	6.11E-01	1.35E-02
100000.	-7.06E-02	8.13E 00	9.53E-01	-2.26E-08	-3.40E-09	6.10E-01	2.70E-02
150000.	-1.06E-01	8.01E 00	1.40E 00	-2.21E-08	-5.00E-09	6.09E-01	4.04E-02

P= 1000.000 T= 11000. NTOT=6.67E 20 DEBYE=6.26E-07 LAMBDA=1.65E 01 LNLMBD= 2.80
N1=1.33488E 18 N2=6.64557E 20 N3=1.33488E 18 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.49E 01	0.00E-01	-3.38E-08	0.00E-01	1.35E 00	0.00E-01
500.	-2.96E-04	1.49E 01	5.81E-03	-3.38E-08	-1.80E-11	1.35E 00	2.35E-04
1000.	-5.92E-04	1.49E 01	1.16E-02	-3.38E-08	-3.60E-11	1.35E 00	4.69E-04
2500.	-1.48E-03	1.49E 01	2.91E-02	-3.38E-08	-9.01E-11	1.35E 00	1.17E-03
5000.	-2.96E-03	1.49E 01	5.81E-02	-3.38E-08	-1.80E-10	1.35E 00	2.35E-03
7500.	-4.44E-03	1.49E 01	8.72E-02	-3.38E-08	-2.70E-10	1.35E 00	3.52E-03
10000.	-5.92E-03	1.49E 01	1.16E-01	-3.38E-08	-3.60E-10	1.35E 00	4.69E-03
25000.	-1.48E-02	1.49E 01	2.91E-01	-3.38E-08	-9.00E-10	1.35E 00	1.17E-02
50000.	-2.96E-02	1.49E 01	5.80E-01	-3.37E-08	-1.80E-09	1.35E 00	2.35E-02
100000.	-5.92E-02	1.49E 01	1.15E 00	-3.35E-08	-3.58E-09	1.35E 00	4.69E-02
150000.	-8.88E-02	1.48E 01	1.72E 00	-3.31E-08	-5.32E-09	1.35E 00	7.02E-02

P= 1000.000 T= 12000. NTOT=6.12E 20 DEBYE=4.46E-07 LAMBDA=1.28E 01 LNLMBD= 2.55
N1=2.86994E 18 N2=6.05885E 20 N3=2.86994E 18 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.45E 01	0.00E-01	-4.00E-08	0.00E-01	2.58E 00	0.00E-01
500.	-2.44E-04	2.45E 01	6.73E-03	-4.00E-08	-1.57E-11	2.58E 00	3.50E-04
1000.	-4.88E-04	2.45E 01	1.35E-02	-4.00E-08	-3.15E-11	2.58E 00	7.01E-04
2500.	-1.22E-03	2.45E 01	3.37E-02	-4.00E-08	-7.87E-11	2.58E 00	1.75E-03
5000.	-2.44E-03	2.45E 01	6.73E-02	-4.00E-08	-1.57E-10	2.58E 00	3.50E-03
7500.	-3.66E-03	2.45E 01	1.01E-01	-4.00E-08	-2.36E-10	2.58E 00	5.26E-03
10000.	-4.88E-03	2.45E 01	1.35E-01	-4.00E-08	-3.15E-10	2.58E 00	7.01E-03
25000.	-1.22E-02	2.45E 01	3.37E-01	-4.00E-08	-7.87E-10	2.58E 00	1.75E-02
50000.	-2.44E-02	2.45E 01	6.72E-01	-4.00E-08	-1.57E-09	2.58E 00	3.50E-02
100000.	-4.88E-02	2.45E 01	1.34E 00	-3.98E-08	-3.14E-09	2.58E 00	7.00E-02
150000.	-7.32E-02	2.44E 01	2.00E 00	-3.96E-08	-4.68E-09	2.58E 00	1.05E-01

P= 1000.000 T= 13000. NTOT=5.65E 20 DEBYE=3.36E-07 LAMBDA=1.05E 01 LNLMBD= 2.35
N1=5.48960E 18 N2=5.53597E 20 N3=5.48960E 18 N4=6.88768E 11 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.71E 01	0.00E-01	-3.76E-08	0.00E-01	4.41E 00	0.00E-01
500.	-2.00E-04	3.71E 01	7.98E-03	-3.76E-08	-1.13E-11	4.41E 00	4.78E-04
1000.	-4.01E-04	3.71E 01	1.60E-02	-3.76E-08	-2.26E-11	4.41E 00	9.56E-04
2500.	-1.00E-03	3.71E 01	3.99E-02	-3.76E-08	-5.66E-11	4.41E 00	2.39E-03
5000.	-2.00E-03	3.71E 01	7.98E-02	-3.76E-08	-1.13E-10	4.41E 00	4.78E-03
7500.	-3.01E-03	3.71E 01	1.20E-01	-3.76E-08	-1.70E-10	4.41E 00	7.17E-03
10000.	-4.01E-03	3.71E 01	1.60E-01	-3.76E-08	-2.26E-10	4.41E 00	9.56E-03
25000.	-1.00E-02	3.71E 01	3.99E-01	-3.76E-08	-5.66E-10	4.41E 00	2.39E-02
50000.	-2.00E-02	3.71E 01	7.97E-01	-3.76E-08	-1.13E-09	4.41E 00	4.78E-02
100000.	-4.01E-02	3.71E 01	1.59E 00	-3.75E-08	-2.26E-09	4.41E 00	9.56E-02
150000.	-6.01E-02	3.70E 01	2.38E 00	-3.74E-08	-3.38E-09	4.41E 00	1.43E-01

P= 1000.000 T= 14000. NTOT=5.24E 20 DEBYE=2.63E-07 LAMBDA=8.81E 00 LNLMBD= 2.18
N1=9.64128E 18 N2=5.04967E 20 N3=9.64127E 18 N4=5.55432E 12 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	5.29E 01	0.00E-01	-2.05E-08	0.00E-01	7.02E 00	0.00E-01
500.	-1.64E-04	5.29E 01	9.20E-03	-2.05E-08	-4.64E-12	7.02E 00	6.23E-04
1000.	-3.28E-04	5.29E 01	1.84E-02	-2.05E-08	-9.27E-12	7.02E 00	1.25E-03
2500.	-8.21E-04	5.29E 01	4.60E-02	-2.05E-08	-2.32E-11	7.02E 00	3.12E-03
5000.	-1.64E-03	5.29E 01	9.20E-02	-2.05E-08	-4.64E-11	7.02E 00	6.23E-03
7500.	-2.46E-03	5.29E 01	1.38E-01	-2.05E-08	-6.95E-11	7.02E 00	9.35E-03
10000.	-3.28E-03	5.29E 01	1.84E-01	-2.05E-08	-9.27E-11	7.02E 00	1.25E-02
25000.	-8.21E-03	5.29E 01	4.60E-01	-2.05E-08	-2.32E-10	7.02E 00	3.12E-02
50000.	-1.64E-02	5.29E 01	9.20E-01	-2.05E-08	-4.63E-10	7.02E 00	6.23E-02
100000.	-3.28E-02	5.28E 01	1.84E 00	-2.04E-08	-9.26E-10	7.02E 00	1.25E-01
150000.	-4.93E-02	5.28E 01	2.75E 00	-2.04E-08	-1.39E-09	7.02E 00	1.87E-01

P= 1000.000 T= 15000. NTOT=4.89E 20 DEBYE=2.13E-07 LAMBDA=7.66E 00 LNLMBD= 2.04
N1=1.56932E 19 N2=4.57914E 20 N3=1.56931E 19 N4=3.48748E 13 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	7.20E 01	0.00E-01	1.32E-08	0.00E-01	1.06E 01	0.00E-01
500.	-1.37E-04	7.20E 01	1.05E-02	1.32E-08	3.21E-12	1.06E 01	8.09E-04
1000.	-2.73E-04	7.20E 01	2.10E-02	1.32E-08	6.43E-12	1.06E 01	1.62E-03
2500.	-6.83E-04	7.20E 01	5.26E-02	1.32E-08	1.61E-11	1.06E 01	4.05E-03
5000.	-1.37E-03	7.20E 01	1.05E-01	1.32E-08	3.21E-11	1.06E 01	8.09E-03
7500.	-2.05E-03	7.20E 01	1.58E-01	1.32E-08	4.82E-11	1.06E 01	1.21E-02
10000.	-2.73E-03	7.20E 01	2.10E-01	1.32E-08	6.43E-11	1.06E 01	1.62E-02
25000.	-6.83E-03	7.20E 01	5.26E-01	1.32E-08	1.61E-10	1.06E 01	4.05E-02
50000.	-1.37E-02	7.20E 01	1.05E 00	1.32E-08	3.21E-10	1.06E 01	8.09E-02
100000.	-2.73E-02	7.19E 01	2.10E 00	1.32E-08	6.42E-10	1.06E 01	1.62E-01
150000.	-4.10E-02	7.18E 01	3.15E 00	1.32E-08	9.61E-10	1.06E 01	2.43E-01

P= 1000.000 T= 16000. NTOT=4.59E 20 DEBYE=1.79E-07 LAMBDA=6.84E 00 LNLMBD= 1.92
N1=2.38593E 19 N2=4.11000E 20 N3=2.38590E 19 N4=1.76437E 14 N

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	9.39E 01	0.00E-01	6.99E-08	0.00E-01	1.55E 01	0.00E-01
500.	-1.16E-04	9.39E 01	1.18E-02	6.99E-08	1.29E-11	1.55E 01	1.05E-03
1000.	-2.31E-04	9.39E 01	2.37E-02	6.99E-08	2.59E-11	1.55E 01	2.11E-03
2500.	-5.79E-04	9.39E 01	5.92E-02	6.99E-08	6.46E-11	1.55E 01	5.27E-03
5000.	-1.16E-03	9.39E 01	1.18E-01	6.99E-08	1.29E-10	1.55E 01	1.05E-02
7500.	-1.74E-03	9.39E 01	1.78E-01	6.99E-08	1.94E-10	1.55E 01	1.58E-02
10000.	-2.31E-03	9.39E 01	2.37E-01	6.99E-08	2.59E-10	1.55E 01	2.11E-02
25000.	-5.79E-03	9.38E 01	5.92E-01	6.99E-08	6.46E-10	1.55E 01	5.27E-02
50000.	-1.16E-02	9.38E 01	1.18E 00	6.99E-08	1.29E-09	1.55E 01	1.05E-01
100000.	-2.31E-02	9.38E 01	2.37E 00	6.98E-08	2.58E-09	1.55E 01	2.11E-01
150000.	-3.47E-02	9.37E 01	3.55E 00	6.97E-08	3.87E-09	1.54E 01	3.16E-01

P= 1000.000 T= 17000. NTOT=4.32E 20 DEBYE=1.54E-07 LAMBDA=6.27E 00 LNLMBD= 1.84
N1=3.40871E 19 N2=3.63561E 20 N3=3.40856E 19 N4=7.39055E 14 N5=1.51469E 06

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.18E 02	0.00E-01	1.55E-07	0.00E-01	2.16E 01	0.00E-01
500.	-1.00E-04	1.18E 02	1.32E-02	1.55E-07	2.51E-11	2.16E 01	1.38E-03
1000.	-2.00E-04	1.18E 02	2.64E-02	1.55E-07	5.02E-11	2.16E 01	2.76E-03
2500.	-5.01E-04	1.18E 02	6.60E-02	1.55E-07	1.25E-10	2.16E 01	6.90E-03
5000.	-1.00E-03	1.18E 02	1.32E-01	1.55E-07	2.51E-10	2.16E 01	1.38E-02
7500.	-1.50E-03	1.18E 02	1.98E-01	1.55E-07	3.76E-10	2.16E 01	2.07E-02
10000.	-2.00E-03	1.18E 02	2.64E-01	1.55E-07	5.02E-10	2.16E 01	2.76E-02
25000.	-5.01E-03	1.18E 02	6.60E-01	1.55E-07	1.25E-09	2.16E 01	6.90E-02
50000.	-1.00E-02	1.18E 02	1.32E 00	1.55E-07	2.51E-09	2.16E 01	1.38E-01
100000.	-2.00E-02	1.18E 02	2.64E 00	1.55E-07	5.01E-09	2.16E 01	2.76E-01
150000.	-3.00E-02	1.18E 02	3.95E 00	1.55E-07	7.51E-09	2.16E 01	4.14E-01

P= 1000.000 T= 18000. NTOT=4.08E 20 DEBYE=1.37E-07 LAMBDA=5.89E 00 LNLMBD= 1.77
N1=4.59132E 19 N2=3.15926E 20 N3=4.59080E 19 N4=2.61225E 15 N5=2.49986E 07

B	CM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.43E 02	0.00E-01	2.83E-07	0.00E-01	2.88E 01	0.00E-01
500.	-8.77E-05	1.43E 02	1.46E-02	2.83E-07	4.14E-11	2.88E 01	1.76E-03
1000.	-1.75E-04	1.43E 02	2.93E-02	2.83E-07	8.29E-11	2.88E 01	3.53E-03
2500.	-4.39E-04	1.43E 02	7.32E-02	2.83E-07	2.07E-10	2.88E 01	8.82E-03
5000.	-8.77E-04	1.43E 02	1.46E-01	2.83E-07	4.14E-10	2.88E 01	1.76E-02
7500.	-1.32E-03	1.43E 02	2.20E-01	2.83E-07	6.22E-10	2.88E 01	2.64E-02
10000.	-1.75E-03	1.43E 02	2.93E-01	2.83E-07	8.29E-10	2.88E 01	3.53E-02
25000.	-4.39E-03	1.43E 02	7.32E-01	2.83E-07	2.07E-09	2.88E 01	8.82E-02
50000.	-8.77E-03	1.43E 02	1.46E 00	2.83E-07	4.14E-09	2.88E 01	1.76E-01
100000.	-1.75E-02	1.43E 02	2.93E 00	2.83E-07	8.28E-09	2.88E 01	3.53E-01
150000.	-2.63E-02	1.43E 02	4.39E 00	2.83E-07	1.24E-08	2.88E 01	5.29E-01

P= 1000.000 T= 19000. NTOT=3.86E 20 DEBYE=1.24E-07 LAMBDA=5.65E 00 LNLMBD= 1.73
N1=5.85492E 19 N2=2.69199E 20 N3=5.85334E 19 N4=7.91367E 15 N5=2.97805E 08

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.70E 02	0.00E-01	4.38E-07	0.00E-01	3.77E 01	0.00E-01
500.	-7.99E-05	1.70E 02	1.63E-02	4.38E-07	6.06E-11	3.77E 01	2.30E-03
1000.	-1.60E-04	1.70E 02	3.26E-02	4.38E-07	1.21E-10	3.77E 01	4.60E-03
2500.	-3.99E-04	1.70E 02	8.14E-02	4.38E-07	3.03E-10	3.77E 01	1.15E-02
5000.	-7.99E-04	1.70E 02	1.63E-01	4.38E-07	6.06E-10	3.77E 01	2.30E-02
7500.	-1.20E-03	1.70E 02	2.44E-01	4.38E-07	9.09E-10	3.77E 01	3.45E-02
10000.	-1.60E-03	1.70E 02	3.26E-01	4.38E-07	1.21E-09	3.77E 01	4.60E-02
25000.	-3.99E-03	1.70E 02	8.14E-01	4.38E-07	3.03E-09	3.77E 01	1.15E-01
50000.	-7.99E-03	1.70E 02	1.63E 00	4.38E-07	6.06E-09	3.77E 01	2.30E-01
100000.	-1.60E-02	1.70E 02	3.26E 00	4.38E-07	1.21E-08	3.77E 01	4.60E-01
150000.	-2.40E-02	1.70E 02	4.88E 00	4.37E-07	1.82E-08	3.77E 01	6.90E-01

P= 1000.000 T= 20000. NTOT=3.67E 20 DEBYE=1.16E-07 LAMBDA=5.53E 00 LNLMBD= 1.71
N1=7.13451E 19 N2=2.24306E 20 N3=7.13032E 19 N4=2.09751E 16 N5=2.66952E 09

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	1.97E 02	0.00E-01	6.33E-07	0.00E-01	4.80E 01	0.00E-01
500.	-7.44E-05	1.97E 02	1.82E-02	6.33E-07	8.52E-11	4.80E 01	2.99E-03
1000.	-1.49E-04	1.97E 02	3.64E-02	6.33E-07	1.70E-10	4.80E 01	5.99E-03
2500.	-3.72E-04	1.97E 02	9.09E-02	6.33E-07	4.26E-10	4.80E 01	1.50E-02
5000.	-7.44E-04	1.97E 02	1.82E-01	6.33E-07	8.52E-10	4.80E 01	2.99E-02
7500.	-1.12E-03	1.97E 02	2.73E-01	6.33E-07	1.28E-09	4.80E 01	4.49E-02
10000.	-1.49E-03	1.97E 02	3.64E-01	6.33E-07	1.70E-09	4.80E 01	5.99E-02
25000.	-3.72E-03	1.97E 02	9.09E-01	6.33E-07	4.26E-09	4.80E 01	1.50E-01
50000.	-7.44E-03	1.97E 02	1.82E 00	6.33E-07	8.52E-09	4.80E 01	2.99E-01
100000.	-1.49E-02	1.97E 02	3.64E 00	6.33E-07	1.70E-08	4.79E 01	5.99E-01
150000.	-2.23E-02	1.97E 02	5.45E 00	6.32E-07	2.55E-08	4.79E 01	8.98E-01

P= 1000.000 T= 21000. NTOT=3.49E 20 DEBYE=1.10E-07 LAMBDA=5.52E 00 LNLMBD= 1.71
N1=8.28184E 19 N2=1.83912E 20 N3=8.27204E 19 N4=4.89989E 16 N5=1.83898E 10

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.26E 02	0.00E-01	8.72E-07	0.00E-01	5.89E 01	0.00E-01
500.	-7.15E-05	2.26E 02	2.08E-02	8.72E-07	1.18E-10	5.89E 01	3.80E-03
1000.	-1.43E-04	2.26E 02	4.15E-02	8.72E-07	2.36E-10	5.89E 01	7.60E-03
2500.	-3.57E-04	2.26E 02	1.04E-01	8.72E-07	5.91E-10	5.89E 01	1.90E-02
5000.	-7.15E-04	2.26E 02	2.08E-01	8.72E-07	1.18E-09	5.89E 01	3.80E-02
7500.	-1.07E-03	2.26E 02	3.11E-01	8.72E-07	1.77E-09	5.89E 01	5.70E-02
10000.	-1.43E-03	2.26E 02	4.15E-01	8.72E-07	2.36E-09	5.89E 01	7.60E-02
25000.	-3.57E-03	2.26E 02	1.04E 00	8.72E-07	5.91E-09	5.89E 01	1.90E-01
50000.	-7.15E-03	2.26E 02	2.07E 00	8.72E-07	1.18E-08	5.89E 01	3.80E-01
100000.	-1.43E-02	2.26E 02	4.15E 00	8.72E-07	2.36E-08	5.89E 01	7.60E-01
150000.	-2.14E-02	2.26E 02	6.22E 00	8.71E-07	3.54E-08	5.89E 01	1.14E 00

P= 1000.000 T= 22000. NTOT=3.34E 20 DEBYE=1.06E-07 LAMBDA=5.59E 00 LNLMBD= 1.72
N1=9.30238E 19 N2=1.47669E 20 N3=9.28167E 19 N4=1.03543E 17 N5=1.02265E 11

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.54E 02	0.00E-01	1.15E-06	0.00E-01	7.07E 01	0.00E-01
500.	-6.98E-05	2.54E 02	2.36E-02	1.15E-06	1.59E-10	7.07E 01	4.77E-03
1000.	-1.40E-04	2.54E 02	4.72E-02	1.15E-06	3.17E-10	7.07E 01	9.53E-03
2500.	-3.49E-04	2.54E 02	1.18E-01	1.15E-06	7.93E-10	7.07E 01	2.38E-02
5000.	-6.98E-04	2.54E 02	2.36E-01	1.15E-06	1.59E-09	7.07E 01	4.77E-02
7500.	-1.05E-03	2.54E 02	3.54E-01	1.15E-06	2.38E-09	7.07E 01	7.15E-02
10000.	-1.40E-03	2.54E 02	4.72E-01	1.15E-06	3.17E-09	7.07E 01	9.53E-02
25000.	-3.49E-03	2.54E 02	1.18E 00	1.15E-06	7.93E-09	7.07E 01	2.38E-01
50000.	-6.98E-03	2.54E 02	2.36E 00	1.15E-06	1.59E-08	7.07E 01	4.77E-01
100000.	-1.40E-02	2.54E 02	4.72E 00	1.15E-06	3.17E-08	7.07E 01	9.53E-01
150000.	-2.09E-02	2.54E 02	7.07E 00	1.14E-06	4.75E-08	7.07E 01	1.43E 00

P= 1000.000 T= 23000. NTOT=3.19E 20 DEBYE=1.04E-07 LAMBDA=5.74E 00 LNLMBD= 1.75
N1=1.00780E 20 N2=1.17748E 20 N3=1.00381E 20 N4=1.99232E 17 N5=4.68173E 11

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	2.80E 02	0.00E-01	1.43E-06	0.00E-01	8.26E 01	0.00E-01
500.	-6.93E-05	2.80E 02	2.66E-02	1.43E-06	2.05E-10	8.26E 01	5.86E-03
1000.	-1.39E-04	2.80E 02	5.33E-02	1.43E-06	4.10E-10	8.26E 01	1.17E-02
2500.	-3.46E-04	2.80E 02	1.33E-01	1.43E-06	1.02E-09	8.26E 01	2.93E-02
5000.	-6.93E-04	2.80E 02	2.66E-01	1.43E-06	2.05E-09	8.26E 01	5.86E-02
7500.	-1.04E-03	2.80E 02	4.00E-01	1.43E-06	3.07E-09	8.26E 01	8.79E-02
10000.	-1.39E-03	2.80E 02	5.33E-01	1.43E-06	4.10E-09	8.26E 01	1.17E-01
25000.	-3.46E-03	2.80E 02	1.33E 00	1.43E-06	1.02E-08	8.26E 01	2.93E-01
50000.	-6.93E-03	2.80E 02	2.66E 00	1.43E-06	2.05E-08	8.26E 01	5.86E-01
100000.	-1.39E-02	2.79E 02	5.33E 00	1.43E-06	4.10E-08	8.26E 01	1.17E 00
150000.	-2.08E-02	2.79E 02	7.99E 00	1.43E-06	6.14E-08	8.26E 01	1.76E 00

P= 1000.000 T= 24000. NTOT=3.06E 20 DEBYE=1.04E-07 LAMBDA=5.95E 00 LNLMBD= 1.78
N1=1.06456E 20 N2=9.32563E 19 N3=1.05744E 20 N4=3.55945E 17 N5=1.83320E 12

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.03E 02	0.00E-01	1.73E-06	0.00E-01	9.46E 01	0.00E-01
500.	-6.97E-05	3.03E 02	2.99E-02	1.73E-06	2.58E-10	9.46E 01	7.09E-03
1000.	-1.39E-04	3.03E 02	5.98E-02	1.73E-06	5.16E-10	9.46E 01	1.42E-02
2500.	-3.48E-04	3.03E 02	1.50E-01	1.73E-06	1.29E-09	9.46E 01	3.55E-02
5000.	-6.97E-04	3.03E 02	2.99E-01	1.73E-06	2.58E-09	9.46E 01	7.09E-02
7500.	-1.05E-03	3.03E 02	4.49E-01	1.73E-06	3.87E-09	9.46E 01	1.06E-01
10000.	-1.39E-03	3.03E 02	5.98E-01	1.73E-06	5.16E-09	9.46E 01	1.42E-01
25000.	-3.48E-03	3.03E 02	1.50E 00	1.73E-06	1.29E-08	9.46E 01	3.55E-01
50000.	-6.97E-03	3.03E 02	2.99E 00	1.73E-06	2.58E-08	9.45E 01	7.09E-01
100000.	-1.39E-02	3.03E 02	5.98E 00	1.73E-06	5.16E-08	9.45E 01	1.42E 00
150000.	-2.09E-02	3.03E 02	8.97E 00	1.73E-06	7.73E-08	9.45E 01	2.13E 00

P= 1000.000 T= 25000. NTOT=2.94E 20 DEBYE=1.04E-07 LAMBDA=6.22E 00 LNLMBD= 1.83
N1=1.10272E 20 N2=7.36335E 19 N3=1.09076E 20 N4=5.98187E 17 N5=6.30887E 12

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.25E 02	0.00E-01	2.05E-06	0.00E-01	1.08E 02	0.00E-01
500.	-7.18E-05	3.25E 02	3.34E-02	2.05E-06	3.25E-10	1.08E 02	8.59E-03
1000.	-1.44E-04	3.25E 02	6.69E-02	2.05E-06	6.50E-10	1.08E 02	1.72E-02
2500.	-3.59E-04	3.25E 02	1.67E-01	2.05E-06	1.62E-09	1.08E 02	4.29E-02
5000.	-7.18E-04	3.25E 02	3.34E-01	2.05E-06	3.25E-09	1.08E 02	8.59E-02
7500.	-1.08E-03	3.25E 02	5.01E-01	2.05E-06	4.87E-09	1.08E 02	1.29E-01
10000.	-1.44E-03	3.25E 02	6.69E-01	2.05E-06	6.50E-09	1.08E 02	1.72E-01
25000.	-3.59E-03	3.25E 02	1.67E 00	2.05E-06	1.62E-08	1.08E 02	4.29E-01
50000.	-7.18E-03	3.25E 02	3.34E 00	2.05E-06	3.25E-08	1.08E 02	8.59E-01
100000.	-1.44E-02	3.25E 02	6.68E 00	2.04E-06	6.49E-08	1.08E 02	1.72E 00
150000.	-2.15E-02	3.25E 02	1.00E 01	2.04E-06	9.73E-08	1.08E 02	2.57E 00

P= 1000.000 T= 26000. NTOT=2.82E 20 DEBYE=1.05E-07 LAMBDA=6.53E 00 LNLMBD= 1.88
N1=1.12556E 20 N2=5.81331E 19 N3=1.10644E 20 N4=9.55714E 17 N5=1.95145E 13

B	OM-TAU	SIG-1	SIG-2	DT-1	DT-2	LAM-1	LAM-2
0.	0.00E-01	3.45E 02	0.00E-01	2.35E-06	0.00E-01	1.20E 02	0.00E-01
500.	-7.33E-05	3.45E 02	3.70E-02	2.35E-06	3.92E-10	1.20E 02	1.01E-02
1000.	-1.47E-04	3.45E 02	7.41E-02	2.35E-06	7.85E-10	1.20E 02	2.02E-02
2500.	-3.67E-04	3.45E 02	1.85E-01	2.35E-06	1.96E-09	1.20E 02	5.04E-02
5000.	-7.33E-04	3.45E 02	3.70E-01	2.35E-06	3.92E-09	1.20E 02	1.01E-01
7500.	-1.10E-03	3.45E 02	5.56E-01	2.35E-06	5.88E-09	1.20E 02	1.51E-01
10000.	-1.47E-03	3.45E 02	7.41E-01	2.35E-06	7.85E-09	1.20E 02	2.02E-01
25000.	-3.67E-03	3.45E 02	1.85E 00	2.35E-06	1.96E-08	1.20E 02	5.04E-01
50000.	-7.33E-03	3.45E 02	3.70E 00	2.35E-06	3.92E-08	1.20E 02	1.01E 00
100000.	-1.47E-02	3.44E 02	7.40E 00	2.35E-06	7.84E-08	1.20E 02	2.01E 00
150000.	-2.20E-02	3.44E 02	1.11E 01	2.35E-06	1.17E-07	1.20E 02	3.02E 00

APPENDIX D

The heavy (ion + atom) properties are given in this appendix in the form of a computer output. The symbols are as follows:

P = pressure, atm.

T = temperature, °K

HVCOND = λ_h = heavy thermal conductivity, mW/cm-°K

RCOND = λ_r = reactive thermal conductivity, mW/cm-°K

DELH = $\Delta\tilde{h}$ = reactive energy per particle, ergs

AMDIF = D_a = ambipolar diffusion coefficient, cm^2/sec

P= 0.001 ATM

T	HVCOND	RCOND	DELH	AMDIF
3000.	1.00E 00	2.01E-08	2.63E-11	4.00E 03
4000.	1.23E 00	4.19E-05	2.67E-11	6.46E 03
5000.	1.44E 00	4.14E-03	2.70E-11	9.38E 03
6000.	1.63E 00	8.92E-02	2.74E-11	1.27E 04
7000.	1.78E 00	8.03E-01	2.77E-11	1.65E 04
8000.	1.59E 00	4.18E 00	2.81E-11	2.06E 04
9000.	8.81E-01	1.19E 01	2.84E-11	2.52E 04
10000.	2.87E-01	1.64E 01	2.88E-11	3.00E 04
11000.	8.19E-02	7.15E 00	2.91E-11	3.53E 04
12000.	3.92E-02	1.75E 00	2.93E-11	4.09E 04
13000.	3.36E-02	4.30E-01	2.93E-11	4.68E 04
14000.	3.61E-02	1.21E-01	2.88E-11	5.32E 04
15000.	4.10E-02	3.87E-02	2.76E-11	6.05E 04
16000.	4.71E-02	1.41E-02	2.54E-11	7.05E 04
17000.	5.40E-02	5.80E-03	2.25E-11	8.58E 04
18000.	6.14E-02	2.64E-03	1.94E-11	1.06E 05
19000.	6.94E-02	1.33E-03	1.69E-11	1.25E 05
20000.	7.79E-02	7.94E-04	1.56E-11	1.41E 05
21000.	8.67E-02	5.98E-04	1.59E-11	1.56E 05
22000.	9.63E-02	5.69E-04	1.83E-11	1.69E 05
23000.	1.06E-01	6.20E-04	2.27E-11	1.82E 05
24000.	1.17E-01	6.71E-04	2.85E-11	1.94E 05
25000.	1.28E-01	6.59E-04	3.46E-11	2.04E 05

P= 0.010 ATM

T	HVCOND	RCOND	DELH	AMDIF
3000.	1.00E 00	6.36E-09	2.63E-11	4.00E 02
4000.	1.23E 00	1.33E-05	2.67E-11	6.46E 02
5000.	1.44E 00	1.31E-03	2.70E-11	9.38E 02
6000.	1.63E 00	2.82E-02	2.74E-11	1.27E 03
7000.	1.82E 00	2.54E-01	2.77E-11	1.65E 03
8000.	1.92E 00	1.33E 00	2.81E-11	2.06E 03
9000.	1.67E 00	4.51E 00	2.84E-11	2.52E 03
10000.	9.91E-01	1.07E 01	2.88E-11	3.00E 03
11000.	4.16E-01	1.48E 01	2.91E-11	3.53E 03
12000.	1.55E-01	9.63E 00	2.93E-11	4.09E 03
13000.	7.51E-02	3.54E 00	2.93E-11	4.68E 03
14000.	5.59E-02	1.12E 00	2.88E-11	5.30E 03
15000.	5.50E-02	3.70E-01	2.76E-11	5.97E 03
16000.	5.93E-02	1.32E-01	2.54E-11	6.69E 03
17000.	6.60E-02	5.13E-02	2.24E-11	7.56E 03
18000.	7.40E-02	2.23E-02	1.92E-11	8.72E 03
19000.	8.32E-02	1.11E-02	1.64E-11	1.04E 04
20000.	9.31E-02	6.33E-03	1.43E-11	1.24E 04
21000.	1.04E-01	4.12E-03	1.31E-11	1.44E 04
22000.	1.15E-01	3.12E-03	1.29E-11	1.63E 04
23000.	1.27E-01	2.76E-03	1.36E-11	1.80E 04
24000.	1.39E-01	2.81E-03	1.55E-11	1.95E 04
25000.	1.52E-01	3.15E-03	1.86E-11	2.10E 04

P= 0.100 ATM

T	HVCOND	RCOND	DELH	AMDIF
3000.	1.00E 00	2.01E-09	2.63E-11	4.00E 01
4000.	1.23E 00	4.19E-06	2.67E-11	6.46E 01
5000.	1.44E 00	4.14E-04	2.70E-11	9.38E 01
6000.	1.63E 00	8.92E-03	2.74E-11	1.27E 02
7000.	1.82E 00	8.05E-02	2.77E-11	1.65E 02
8000.	1.99E 00	4.21E-01	2.81E-11	2.06E 02
9000.	2.06E 00	1.53E 00	2.84E-11	2.52E 02
10000.	1.86E 00	4.04E 00	2.87E-11	3.00E 02
11000.	1.29E 00	8.32E 00	2.90E-11	3.53E 02
12000.	7.03E-01	1.24E 01	2.93E-11	4.09E 02
13000.	3.38E-01	1.17E 01	2.94E-11	4.68E 02
14000.	1.75E-01	6.84E 00	2.91E-11	5.30E 02
15000.	1.15E-01	2.96E 00	2.79E-11	5.96E 02
16000.	9.77E-02	1.18E 00	2.59E-11	6.65E 02
17000.	9.66E-02	4.66E-01	2.23E-11	7.38E 02
18000.	1.02E-01	2.00E-01	1.91E-11	8.19E 02
19000.	1.10E-01	9.50E-02	1.62E-11	9.13E 02
20000.	1.21E-01	5.18E-02	1.40E-11	1.03E 03
21000.	1.33E-01	3.26E-02	1.26E-11	1.19E 03
22000.	1.46E-01	2.33E-02	1.17E-11	1.38E 03
23000.	1.60E-01	1.85E-02	1.14E-11	1.59E 03
24000.	1.75E-01	1.61E-02	1.15E-11	1.81E 03
25000.	1.90E-01	1.51E-02	1.22E-11	2.01E 03

P= 1.000 ATM

T	HVCOND	RCOND	DELH	AMDIF
3000.	1.00E 00	6.36E-10	2.63E-11	4.00E 00
4000.	1.23E 00	1.33E-06	2.67E-11	6.46E 00
5000.	1.44E 00	1.31E-04	2.70E-11	9.38E 00
6000.	1.63E 00	2.82E-03	2.74E-11	1.27E 01
7000.	1.82E 00	2.55E-02	2.77E-11	1.65E 01
8000.	2.00E 00	1.34E-01	2.81E-11	2.06E 01
9000.	2.16E 00	4.88E-01	2.84E-11	2.52E 01
10000.	2.25E 00	1.35E 00	2.87E-11	3.00E 01
11000.	2.16E 00	3.07E 00	2.90E-11	3.53E 01
12000.	1.78E 00	5.79E 00	2.93E-11	4.09E 01
13000.	1.24E 00	8.96E 00	2.95E-11	4.68E 01
14000.	7.63E-01	1.09E 01	2.97E-11	5.30E 01
15000.	4.54E-01	9.91E 00	2.96E-11	5.96E 01
16000.	2.90E-01	6.76E 00	2.92E-11	6.65E 01
17000.	2.14E-01	3.81E 00	2.84E-11	7.37E 01
18000.	1.83E-01	1.96E 00	2.69E-11	8.12E 01
19000.	1.77E-01	9.65E-01	2.41E-11	8.92E 01
20000.	1.80E-01	5.02E-01	2.18E-11	9.78E 01
21000.	1.88E-01	2.76E-01	1.96E-11	1.07E 02
22000.	2.01E-01	1.63E-01	1.76E-11	1.19E 02
23000.	2.16E-01	1.05E-01	1.61E-11	1.32E 02
24000.	2.33E-01	7.37E-02	1.50E-11	1.49E 02
25000.	2.52E-01	5.58E+02	1.43E-11	1.69E 02

P= 5.000 ATM

T	EVCOND	RCOND	DELF	AMDIF
3000.	1.00E 00	2.85E-10	2.63E-11	7.99E-01
4000.	1.23E 00	5.93E-07	2.67E-11	1.29E 00
5000.	1.44E 00	5.86E-05	2.70E-11	1.88E 00
6000.	1.63E 00	1.26E-03	2.74E-11	2.55E 00
7000.	1.82E 00	1.14E-02	2.77E-11	3.30E 00
8000.	2.00E 00	6.00E-02	2.81E-11	4.13E 00
9000.	2.18E 00	2.20E-01	2.84E-11	5.03E 00
10000.	2.32E 00	6.24E-01	2.87E-11	6.01E 00
11000.	2.41E 00	1.43E 00	2.90E-11	7.06E 00
12000.	2.35E 00	2.84E 00	2.93E-11	8.17E 00
13000.	2.08E 00	4.90E 00	2.95E-11	9.35E 00
14000.	1.63E 00	7.27E 00	2.97E-11	1.06E 01
15000.	1.15E 00	9.18E 00	2.98E-11	1.19E 01
16000.	7.82E-01	9.53E 00	2.98E-11	1.33E 01
17000.	5.40E-01	8.06E 00	2.95E-11	1.47E 01
18000.	4.01E-01	5.72E 00	2.89E-11	1.62E 01
19000.	3.28E-01	3.60E 00	2.79E-11	1.78E 01
20000.	2.96E-01	2.13E 00	2.63E-11	1.94E 01
21000.	2.84E-01	1.25E 00	2.47E-11	2.12E 01
22000.	2.85E-01	7.49E-01	2.30E-11	2.30E 01
23000.	2.98E-01	4.64E-01	2.12E-11	2.51E 01
24000.	3.12E-01	3.02E-01	1.97E-11	2.74E 01
25000.	3.29E-01	2.08E-01	1.85E-11	3.02E 01

P= 10.000 ATM

T	EVCOND	RCOND	DELF	AMDIF
3000.	1.00E 00	2.01E-10	2.63E-11	4.00E-01
4000.	1.23E 00	4.19E-07	2.67E-11	6.46E-01
5000.	1.44E 00	4.15E-05	2.70E-11	9.38E-01
6000.	1.63E 00	8.94E-04	2.74E-11	1.27E 00
7000.	1.82E 00	8.09E-03	2.77E-11	1.65E 00
8000.	2.00E 00	4.25E-02	2.81E-11	2.06E 00
9000.	2.18E 00	1.56E-01	2.84E-11	2.52E 00
10000.	2.34E 00	4.43E-01	2.87E-11	3.00E 00
11000.	2.45E 00	1.03E 00	2.90E-11	3.53E 00
12000.	2.48E 00	2.07E 00	2.92E-11	4.09E 00
13000.	2.35E 00	3.63E 00	2.95E-11	4.68E 00
14000.	2.02E 00	5.64E 00	2.97E-11	5.30E 00
15000.	1.58E 00	7.67E 00	2.98E-11	5.96E 00
16000.	1.15E 00	8.93E 00	2.98E-11	6.64E 00
17000.	8.16E-01	9.76E 00	2.97E-11	7.36E 00
18000.	5.96E-01	7.37E 00	2.95E-11	8.11E 00
19000.	4.72E-01	5.24E 00	2.85E-11	8.89E 00
20000.	4.02E-01	3.45E 00	2.75E-11	9.71E 00
21000.	3.68E-01	2.18E 00	2.62E-11	1.06E 01
22000.	3.56E-01	1.36E 00	2.48E-11	1.15E 01
23000.	3.57E-01	8.58E-01	2.32E-11	1.24E 01
24000.	3.65E-01	5.60E-01	2.17E-11	1.35E 01
25000.	3.80E-01	3.80E-01	2.04E-11	1.47E 01

P= 50.000 ATM

T	HVCOND	RCOND	DELH	AMDIF
3000.	1.00E 00	9.00E-11	2.63E-11	7.99E-02
4000.	1.23E 00	1.88E-07	2.67E-11	1.29E-01
5000.	1.44E 00	1.86E-05	2.70E-11	1.88E-01
6000.	1.63E 00	4.01E-04	2.74E-11	2.55E-01
7000.	1.82E 00	3.63E-03	2.77E-11	3.30E-01
8000.	2.01E 00	1.91E-02	2.80E-11	4.13E-01
9000.	2.18E 00	7.04E-02	2.83E-11	5.03E-01
10000.	2.35E 00	2.01E-01	2.86E-11	6.01E-01
11000.	2.50E 00	4.79E-01	2.89E-11	7.06E-01
12000.	2.62E 00	9.71E-01	2.91E-11	8.17E-01
13000.	2.69E 00	1.76E 00	2.93E-11	9.35E-01
14000.	2.65E 00	2.89E 00	2.95E-11	1.06E 00
15000.	2.48E 00	4.31E 00	2.97E-11	1.19E 00
16000.	2.17E 00	5.81E 00	2.98E-11	1.33E 00
17000.	1.80E 00	7.08E 00	2.98E-11	1.47E 00
18000.	1.44E 00	7.70E 00	2.97E-11	1.62E 00
19000.	1.15E 00	7.46E 00	2.94E-11	1.78E 00
20000.	9.24E-01	6.64E 00	2.93E-11	1.94E 00
21000.	7.81E-01	5.28E 00	2.87E-11	2.11E 00
22000.	7.01E-01	3.86E 00	2.75E-11	2.28E 00
23000.	6.49E-01	2.78E 00	2.66E-11	2.47E 00
24000.	6.23E-01	1.97E 00	2.56E-11	2.66E 00
25000.	6.14E-01	1.40E 00	2.45E-11	2.86E 00

P= 100.000 ATM

T	HVCOND	RCOND	DELH	AMDIF
3000.	1.00E 00	6.36E-11	2.63E-11	4.00E-02
4000.	1.23E 00	1.33E-07	2.67E-11	6.46E-02
5000.	1.44E 00	1.31E-05	2.70E-11	9.38E-02
6000.	1.63E 00	2.83E-04	2.74E-11	1.27E-01
7000.	1.82E 00	2.57E-03	2.77E-11	1.65E-01
8000.	2.01E 00	1.36E-02	2.80E-11	2.06E-01
9000.	2.18E 00	5.01E-02	2.83E-11	2.52E-01
10000.	2.35E 00	1.44E-01	2.86E-11	3.00E-01
11000.	2.51E 00	3.43E-01	2.88E-11	3.53E-01
12000.	2.65E 00	7.01E-01	2.91E-11	4.09E-01
13000.	2.75E 00	1.29E 00	2.93E-11	4.68E-01
14000.	2.79E 00	2.14E 00	2.94E-11	5.30E-01
15000.	2.73E 00	3.25E 00	2.96E-11	5.96E-01
16000.	2.55E 00	4.54E 00	2.97E-11	6.64E-01
17000.	2.26E 00	5.80E 00	2.97E-11	7.36E-01
18000.	1.93E 00	6.77E 00	2.97E-11	8.11E-01
19000.	1.60E 00	7.20E 00	2.96E-11	8.89E-01
20000.	1.33E 00	6.95E 00	2.94E-11	9.70E-01
21000.	1.12E 00	6.15E 00	2.90E-11	1.05E 00
22000.	9.78E-01	5.06E 00	2.85E-11	1.14E 00
23000.	8.84E-01	3.95E 00	2.78E-11	1.23E 00
24000.	8.26E-01	2.99E 00	2.70E-11	1.33E 00
25000.	7.94E-01	2.23E 00	2.62E-11	1.43E 00

P= 200.000 ATM

T	HVCOND	RCOND	DELH	AMDIF
3000.	1.00E 00	4.50E-11	2.63E-11	2.00E-02
4000.	1.23E 00	9.38E-08	2.67E-11	3.23E-02
5000.	1.44E 00	9.28E-06	2.70E-11	4.69E-02
6000.	1.63E 00	2.01E-04	2.74E-11	6.37E-02
7000.	1.82E 00	1.82E-03	2.77E-11	8.24E-02
8000.	2.01E 00	9.66E-03	2.80E-11	1.03E-01
9000.	2.18E 00	3.57E-02	2.83E-11	1.26E-01
10000.	2.35E 00	1.03E-01	2.86E-11	1.50E-01
11000.	2.51E 00	2.46E-01	2.88E-11	1.76E-01
12000.	2.66E 00	5.07E-01	2.90E-11	2.04E-01
13000.	2.79E 00	9.38E-01	2.92E-11	2.34E-01
14000.	2.87E 00	1.58E 00	2.93E-11	2.65E-01
15000.	2.89E 00	2.44E 00	2.94E-11	2.98E-01
16000.	2.82E 00	3.48E 00	2.95E-11	3.32E-01
17000.	2.65E 00	4.60E 00	2.95E-11	3.68E-01
18000.	2.40E 00	5.64E 00	2.95E-11	4.06E-01
19000.	2.10E 00	6.39E 00	2.95E-11	4.45E-01
20000.	1.81E 00	6.69E 00	2.94E-11	4.85E-01
21000.	1.56E 00	6.45E 00	2.92E-11	5.27E-01
22000.	1.37E 00	5.80E 00	2.89E-11	5.71E-01
23000.	1.22E 00	4.93E 00	2.85E-11	6.16E-01
24000.	1.12E 00	4.02E 00	2.80E-11	6.63E-01
25000.	1.06E 00	3.18E 00	2.74E-11	7.12E-01

P= 500.000 ATM

T	HVCOND	RCOND	DELH	AMDIF
3000.	1.00E 00	2.85E-11	2.63E-11	7.99E-03
4000.	1.23E 00	5.93E-08	2.67E-11	1.29E-02
5000.	1.44E 00	5.87E-06	2.70E-11	1.88E-02
6000.	1.63E 00	1.27E-04	2.74E-11	2.55E-02
7000.	1.82E 00	1.16E-03	2.77E-11	3.30E-02
8000.	2.01E 00	6.15E-03	2.80E-11	4.13E-02
9000.	2.18E 00	2.29E-02	2.83E-11	5.03E-02
10000.	2.35E 00	6.60E-02	2.85E-11	6.01E-02
11000.	2.52E 00	1.59E-01	2.87E-11	7.06E-02
12000.	2.67E 00	3.32E-01	2.89E-11	8.17E-02
13000.	2.81E 00	6.20E-01	2.90E-11	9.35E-02
14000.	2.93E 00	1.06E 00	2.91E-11	1.06E-01
15000.	3.01E 00	1.66E 00	2.92E-11	1.19E-01
16000.	3.04E 00	2.43E 00	2.92E-11	1.33E-01
17000.	3.00E 00	3.33E 00	2.92E-11	1.47E-01
18000.	2.88E 00	4.25E 00	2.92E-11	1.62E-01
19000.	2.69E 00	5.08E 00	2.92E-11	1.78E-01
20000.	2.47E 00	5.67E 00	2.91E-11	1.94E-01
21000.	2.23E 00	5.92E 00	2.89E-11	2.11E-01
22000.	2.01E 00	5.81E 00	2.87E-11	2.28E-01
23000.	1.83E 00	5.41E 00	2.84E-11	2.46E-01
24000.	1.69E 00	4.81E 00	2.81E-11	2.65E-01
25000.	1.58E 00	4.13E 00	2.77E-11	2.84E-01

P= 1CCC.COO ATM

T	HVCOND	RCOND	DELH	AMDIF
3000.	1.00E 00	2.01E-11	2.63E-11	4.00E-03
4000.	1.23E 00	4.19E-08	2.67E-11	6.46E-03
5000.	1.44E 00	4.15E-06	2.70E-11	9.38E-03
6000.	1.63E 00	9.00E-05	2.74E-11	1.27E-02
7000.	1.82E 00	8.22E-04	2.77E-11	1.65E-02
8000.	2.01E 00	4.38E-03	2.80E-11	2.06E-02
9000.	2.18E 00	1.63E-02	2.82E-11	2.52E-02
10000.	2.35E 00	4.75E-02	2.84E-11	3.00E-02
11000.	2.52E 00	1.15E-01	2.86E-11	3.53E-02
12000.	2.68E 00	2.43E-01	2.87E-11	4.09E-02
13000.	2.82E 00	4.57E-01	2.88E-11	4.68E-02
14000.	2.96E 00	7.87E-01	2.89E-11	5.30E-02
15000.	3.06E 00	1.25E 00	2.89E-11	5.96E-02
16000.	3.13E 00	1.86E 00	2.89E-11	6.64E-02
17000.	3.15E 00	2.59E 00	2.88E-11	7.36E-02
18000.	3.11E 00	3.38E 00	2.87E-11	8.11E-02
19000.	3.02E 00	4.13E 00	2.86E-11	8.89E-02
20000.	2.86E 00	4.85E 00	2.87E-11	9.70E-02
21000.	2.68E 00	5.28E 00	2.86E-11	1.05E-01
22000.	2.49E 00	5.58E 00	2.87E-11	1.14E-01
23000.	2.31E 00	5.50E 00	2.87E-11	1.23E-01
24000.	2.16E 00	5.20E 00	2.86E-11	1.32E-01
25000.	2.04E 00	4.74E 00	2.85E-11	1.42E-01

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13. ABSTRACT

The thermal and electrical conductivity of ionized argon in chemical equilibrium has been computed for temperatures from 3000 - 25000°K at pressures from 0.001 - 1000 atm. Values are given here for these properties with and without an imposed DC magnetic field up to 200kGauss. A comparison is made of the computed properties with measurements in the wall-stabilized arc.

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