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THE CONTROL OF CONDENSATION HEAT TRANSFER RATES
USING AN ELECTROMAGNETIC FIELD

by

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NOMENCLATURE

$\underline{B}$	Magnetic field strength vector	T, T_s, T_w	Temperature, saturation temperature, wall temperature
B_0	Applied magnetic field strength	ΔT	Temperature drop, $T_s - T_w$
c	Specific heat of condensate	$\bar{u}, u$	Local velocity, mean velocity in x-direction
$\underline{E}$	Electric field intensity vector	$U(x)$	Velocity function, as defined by equation (A4)
E_0	Applied electric field intensity	v	Local velocity in y-direction
$\underline{F}$	Electromagnetic force vector	$V, V(\xi)$	Dimensionless form of $U(x)$
F_x	Electromagnetic force in x-direction	$\underline{V}$	Velocity field vector
g	Gravitational acceleration	x, y	Rectangular coordinates
h_x	Local heat transfer coefficient	Y	Dimensionless condensate film thickness
h_{fg}	Latent heat of condensation	Z_0	Width of plate
$J, J(y)$	Local current density	α	Thermal diffusivity
$\underline{J}$	Current density vector	γ	Dissipation parameter, as defined by equation (18d)
J_M	Mean current density	δ	Condensate film thickness
k	Thermal conductivity of condensate	ϵ	Body force parameter, as defined by equation (18e)
M	Mass rate of condensation per unit area	ξ	Dimensionless coordinate
M_0	Hartmann number based on width of plate	η	Process efficiency, as defined by equation (25)
Nu_x	Local Nusselt number	μ_0	Magnetic permeability
$Nu_{x,c}$	Condensation Nusselt number	μ	Dynamic viscosity
$Nu_{x,0}$	Local Nusselt number with no electromagnetic field	ν	Kinematic viscosity
$Nu_{x,w}$	Wall Nusselt number	ρ, ρ_v	Density of condensate, vapor
Pr	Prandtl number	σ	Electrical conductivity of condensate
q	Local heat flux		

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ABSTRACT

The use of an electromagnetic field to control the laminar film condensation of a vapor whose liquid is electrically conducting is proposed and analyzed. The condensate is pumped down a vertical wall by the field (similar to the action of an electromagnetic pump), thus eliminating the necessity of gravity without introducing moving parts. The effect of the parameters $c\Delta T/h_{fg}$, Pr , $g(\rho - \rho_v)/\sigma B_0 E_0$, $(E_0/B_0)^2/h_{fg}$, and ξ (dimensionless coordinate) upon the condensate film thickness and the heat transfer rate is studied. It is found that when an electromagnetic field is used, the rate of condensation can be significantly increased over that obtained when only the gravitational field is used. For example, the ratio of the condensation Nusselt number with gravitational and magnetic fields to that with only a gravitational field is about ten for sodium when $c\Delta T/h_{fg} = 0.001$, $B_0 = 20$ kilogauss, and $E_0 = 10$ volts per inch.

I. INTRODUCTION

In the past several years, considerable interest has developed concerning methods that will increase condensation heat transfer rates, especially for applications in zero- or low-gravity fields, e.g., space-vehicle power plants. The primary method that has been considered in the past is the use of a centrifugal force field to supplant gravity as the mode of condensate removal. Condensation on a rotating disc [1],* [2], a rotating cone [3], [4], [5], and a rotating cylinder [6], [7], [8] has been studied. However, the major disadvantage to this general type of system is the necessity for elaborate mechanical equipment to accommodate the moving parts. Ideally, it is desired to increase or maintain the heat transfer rates while introducing no moving parts or complicating the problem of containing the vapor. This report proposes that the application of an electromagnetic field will satisfy the requirements for fluids having sufficiently large electrical conductivity.

*Numbers in brackets refer to similarly-numbered references at the end of this report.

Numerous papers recently published have been concerned with the effects of a magnetic field on free and forced convection heat transfer, with no imposed external electric field; e.g., [9], [10]. In these cases, the fluid motion was retarded by the magnetic force, and the heat transfer rates decreased. However, in the present application, using the physical principles of an electromagnetic pump (see, e.g., ref. [11]), an external electric field is imposed in addition to the magnetic field, and after a judicious choice of the relative directions of the two fields is made, a net positive force on the condensate results. This force is independent of gravity and can result in a controllable heat transfer rate.

The analysis is carried out for constant wall temperature, T_w ; uniform imposed magnetic field, B_0 ; and uniform imposed electric field intensity, E_0 .

II. ANALYSIS

Mathematical Formulation: The physical model and coordinate system are shown in Figure 1. The equations describing the condensation of a conducting fluid in the presence of an electromagnetic field are identical to the equations for ordinary condensation [12], [13], to which are added terms appropriate to the electromagnetic effects. If the electromagnetic force is denoted by $\underline{F}$, the conservation equations become

$$\text{mass: } \frac{\partial u}{\partial x} + \frac{\partial v}{\partial y} = 0; \quad (1)$$

$$\text{momentum: } u \frac{\partial u}{\partial x} + v \frac{\partial u}{\partial y} = g \left(1 - \frac{\rho_v}{\rho} \right) + \nu \frac{\partial^2 u}{\partial y^2} + \frac{F_x}{\rho}, \quad (2)$$

$$\text{energy: } u \frac{\partial T}{\partial x} + v \frac{\partial T}{\partial y} = \alpha \frac{\partial^2 T}{\partial y^2} + \frac{1}{\rho c \sigma} (\underline{J} \cdot \underline{J}). \quad (3)$$

These equations are valid for the two-dimensional, constant-property, laminar flow of the condensate with negligible viscous heating.

Fig. 1
Physical Model and
Coordinate System

In the absence of excess charges, the electromagnetic force may be written as

$$\underline{F} = \underline{J} \wedge \underline{B}, \quad (4)$$

where $\underline{J}$ and $\underline{B}$ are the current density and the magnetic field strength vectors, respectively. The current density vector may be related to the electric field intensity, $\underline{E}$, magnetic induction, $\underline{B}$, and velocity field vectors, $\underline{V}$, by Ohm's law

$$\underline{J} = \sigma(\underline{E} + \underline{V} \wedge \underline{B}), \quad (5)$$

where σ is the electrical conductivity of the fluid. In equations (4) and (5), $\underline{B}$ is the sum of the imposed and induced magnetic fields; however, for the purpose of this analysis, the induced magnetic field will be neglected (valid for small magnetic Reynold's numbers).

To produce a net electromagnetic force in the positive x-direction, $\underline{E}$ and $\underline{B}$ must be chosen as follows:

$$\underline{E} = -\underline{i}_z E_0, \quad (6)$$

$$\underline{B} = \underline{i}_y B_0, \quad (7)$$

where $\underline{i}_z$ and $\underline{i}_y$ are unit vectors in the z and y directions, respectively. Using the above choice of $\underline{E}$ and $\underline{B}$ in equations (4) and (5) results in*

$$\underline{F} = \sigma(\underline{E} + \underline{V} \wedge \underline{B}) \wedge \underline{B} = \sigma B_0(E_0 - u B_0)\underline{i}_x, \quad (8)$$

where $\underline{i}_x$ is a unit vector in the x-direction. Substitution of equation (8) into the momentum equation, (2), completes the statement of the problem except for the boundary conditions.

The appropriate boundary conditions to this problem are

$$\left. \begin{array}{l} u = 0 \\ v = 0 \\ T = T_w \end{array} \right\} y = 0, \quad \left. \begin{array}{l} \partial u / \partial y = 0 \\ T = T_s \end{array} \right\} y = \delta, \quad (9)$$

where $\delta = \delta(x)$ is the thickness of the condensate film and remains to be determined from the analysis.

If, in equation (2), the inertial terms are negligible compared to the body, viscous, and electromagnetic forces, the velocity profile, u , can be obtained by simple integration.** Application of the conditions (9) on u then

*It is assumed that the electric field in the fluid is constant and equal to the externally applied field.

**The effect of the inertial terms on the velocity is discussed in Appendix A.

results in

$$u = \left[\frac{E_0}{B_0} + \frac{g(\rho - \rho_v)}{\sigma B_0^2} \right] \left[1 - \frac{\cosh(\sigma B_0^2/\mu)^{1/2}(\delta - y)}{\cosh(\sigma B_0^2/\mu)^{1/2}\delta} \right]. \quad (10)$$

Integrating equation (1) to obtain an expression for v , substituting this into equation (3), and finally integrating equation (3) from $y = 0$ to $y = \delta$, result in

$$\frac{d}{dx} \int_0^\delta u(T - T_s)dy = \alpha \left(\frac{\partial T}{\partial y} \right)_{y=\delta} - \alpha \left(\frac{\partial T}{\partial y} \right)_{y=0} + \frac{\sigma}{\rho c} \int_0^\delta (E_0 - uB_0)^2 dy. \quad (11)$$

But, at $y = \delta$

$$k \left(\frac{\partial T}{\partial y} \right)_{y=\delta} = Mh_{fg}, \quad (12)$$

where M is the mass rate of condensation per unit area. From an overall mass balance on the condensate film, M is

$$M = \frac{d}{dx} \int_0^\delta \rho u dy. \quad (13)$$

Substituting relations (12) and (13) into equation (11), with some rearrangement, yields the final form of the integral energy balance,

$$\frac{d}{dx} \int_0^\delta u \left[1 + \frac{c(T_s - T)}{h_{fg}} \right] dy = \frac{k}{\rho h_{fg}} \left(\frac{\partial T}{\partial y} \right)_{y=0} - \frac{\sigma}{\rho h_{fg}} \int_0^\delta (E_0 - uB_0)^2 dy. \quad (14)$$

If the usual procedure is followed, a temperature profile will now be assumed and an equation for the film thickness, δ , will be obtained. Note, however, that a simple linear temperature profile cannot be used because of the internal Joule heating. Thus, one possible approach would be to assume a functional relationship that exactly satisfies the boundary conditions and approximately satisfies the energy equation. One such function is

$$T_s - T = (T_s - T_w) \left(1 - \frac{y}{\delta} \right) + \frac{J^2 M \delta^2}{2\sigma k} \left[\left(\frac{y}{\delta} \right)^2 - \left(\frac{y}{\delta} \right) \right], \quad (15)$$

which yields $T(0) = T_w$ and $T(\delta) = T_s$ and obeys the simplified energy equation,

$$k \frac{\partial^2 T}{\partial y^2} + \frac{J_M^2}{\sigma} = 0; \quad (16)$$

$$J_M = \frac{1}{\delta} \int_0^\delta J(y) dy = -\sigma \left(E_0 - \frac{B_0}{\delta} \int_0^\delta u dy \right). \quad (16a)$$

Substituting equations (10) and (15) into the energy equation, (14), and noting the definition, (16a), result in the film-thickness equation,

$$\frac{dY}{d\xi} = \frac{Yf(Y)}{g(Y)}, \quad (17)$$

where

$$\begin{aligned} f(Y) = & \frac{c\Delta T}{h_{fg}Pr} + \frac{\gamma}{2}(1+\epsilon)^2 Y^2 \left(\frac{1}{1+\epsilon} - 1 + \frac{\tanh Y}{Y} \right)^2 \\ & - \gamma Y \left[Y - 2(1+\epsilon)(Y - \tanh Y) + (1+\epsilon)^2(Y - 2\tanh Y + \frac{1}{2} Y \operatorname{sech}^2 Y + \frac{1}{2} \tanh Y) \right]; \end{aligned} \quad (17a)$$

$$\begin{aligned} g(Y) = & \left(1 + \frac{c\Delta T}{2h_{fg}} \right) Y^2 - \left(1 + \frac{c\Delta T}{h_{fg}} \right) Y^2 \operatorname{sech}^2 Y + \frac{c\Delta T}{h_{fg}} (-1 + \operatorname{sech} Y + \operatorname{sech} Y \tanh Y) \\ & + \frac{1}{2} \gamma Pr (1+\epsilon)^2 \left(\frac{1}{1+\epsilon} - 1 + \frac{\tanh Y}{Y} \right) \left[2(-\tanh Y + Y \operatorname{sech}^2 Y) \right. \\ & \left. (-\frac{Y^3}{6} + Y \operatorname{sech} Y + Y - 2\tanh Y) + \left(\frac{1}{1+\epsilon} - 1 + \frac{\tanh Y}{Y} \right) \right. \\ & \left. \left. (-\frac{1}{2} Y^4 + Y^2 \operatorname{sech} Y - Y^3 \operatorname{sech} Y \tanh Y + Y^2 - 2Y^2 \operatorname{sech}^2 Y) \right] \right]; \end{aligned} \quad (17b)$$

and

$$Y(\xi) = (\sigma B_0^2 / \mu)^{1/2} \delta; \quad (18a)$$

$$\xi = \sigma B_0^3 x / \rho E_0 (1+\epsilon); \quad (18b)$$

$$Pr = \mu c / k; \quad (18c)$$

$$\gamma = (E_0 / B_0)^2 / h_{fg}; \quad (18d)$$

$$\epsilon = g(\rho - \rho_v) / \sigma B_0 E_0. \quad (18e)$$

Equation (17) should be solved with the boundary condition

$$Y(0) = 0, \quad (19)$$

which specifies a zero-condensate film thickness at the top ("leading edge") of the plate.

The parameters $c\Delta T/h_{fg}$ and $Pr = \mu c/k$ are familiar in condensation problems, and their physical significance will not be discussed here. However, the parameters γ and ϵ , which have arisen from the nondimensionalization of the film-thickness equation (17), are new numbers and may be interpreted as follows: The number γ essentially is the ratio of the energy generated by Joule heating to the energy liberated by condensation. Thus $\gamma = 0$ represents the case in which there is no Joule heating; i.e., a negligibly small electric field [relative to the magnetic field and latent heat, as shown in equation (18d)] is applied.

The dimensionless number ϵ is essentially the ratio of the gravitational body force to the electromagnetic body force, and $\epsilon = 0$ represents the "zero-G" case.

An analytical solution to equation (17) could not be found, and a numerical solution on an IBM-704 digital computer was used. The data are tabulated in Appendices B and C.

III. INFORMATION CALCULATED FROM FILM-THICKNESS EQUATION

A. Heat Transfer

Since internal energy is generated in the condensate film, the rate of heat transfer at the wall is not equal to the rate of heat transfer at the liquid-vapor interface, which must be known in order to compute the rate of condensation. Thus, two distinct Nusselt numbers can be defined, based on the heat transfer rates at $y = 0$ and at $y = \delta$. The former Nusselt number has use in calculating the cooling load necessary for the condenser, and the latter in calculating the rate of condensation.

The heat flux can be obtained from the Fourier-Biot law,

$$q(y) = k \frac{\partial T}{\partial y}. \quad (20)$$

From equation (15), there is obtained

$$q(y) = \frac{k\Delta T}{\delta} + \frac{J_M^2 \delta}{2\sigma k} \left(1 - \frac{2y}{\delta}\right), \quad (20a)$$

so that, if

$$Nu_{x,c} \equiv \frac{q(\delta)x}{k\Delta T}, \quad Nu_{x,w} \equiv \frac{q(0)x}{k\Delta T}, \quad (21)$$

there results

$$Nu_{x,c} \left[\frac{\rho E_0 (1 + \epsilon)}{B_0^2 (\sigma \mu)^{1/2}} \right]^{-1} = \zeta \left\{ \frac{1}{Y} - \left(\frac{h_{fg} \text{Pr} \gamma}{2c\Delta T} \right) Y \left[1 - (1 + \epsilon) \left(1 - \frac{\tanh Y}{Y} \right) \right]^2 \right\}, \quad (22a)$$

$$Nu_{x,w} \left[\frac{\rho E_0 (1 + \epsilon)}{B_0^2 (\sigma \mu)^{1/2}} \right]^{-1} = \zeta \left\{ \frac{1}{Y} + \left(\frac{h_{fg} \text{Pr} \gamma}{2c\Delta T} \right) Y \left[1 - (1 + \epsilon) \left(1 - \frac{\tanh Y}{Y} \right) \right]^2 \right\}, \quad (22b)$$

where $Nu_{x,c}$ is the "condensation Nusselt number," and $Nu_{x,w}$ is the "wall Nusselt number."

To best compare the effects of an electromagnetic field to a gravitational field on laminar film condensation, the condensation Nusselt number calculated from equation (22a) can be compared with a similarly-defined number valid when $B_0 = E_0 = 0$. In this case, it has been shown,[3], that the Nusselt number is*

$$Nu_{x,0} = \left[\frac{1 + 0.68c\Delta T/h_{fg}}{c\Delta T/h_{fg}} \right]^{1/4} \left[\frac{g(\rho - \rho_v)x^3}{4\nu k} \right]^{1/4}. \quad (23)$$

Taking the ratio of $Nu_{x,c}$ to $Nu_{x,0}$ results in

$$\frac{Nu_{x,c}}{Nu_{x,0}} = \left(1 + \frac{1}{\epsilon} \right)^{1/4} \left[\frac{1 + 0.68c\Delta T/h_{fg}}{4c\Delta T/h_{fg} \text{Pr}} \right]^{-1/4} \zeta^{1/4} \left\{ \frac{1}{Y} - \left(\frac{h_{fg} \text{Pr} \gamma}{2c\Delta T} \right) Y \left[1 - (1 + \epsilon) \left(1 - \frac{\tanh Y}{Y} \right) \right]^2 \right\}. \quad (24)$$

B. Efficiency

Finally, an "efficiency" can be defined that is a measure of the increase in the condensation heat flux relative to the input power flux. Such a quantity may be written as

*This expression was derived by neglecting the acceleration terms in the momentum balance and assuming a zero interfacial shear.

$$\eta = \frac{\text{increased heat flux caused by electromagnetic field}}{\text{input power flux}}, \quad (25)$$

$$\eta = \frac{q_{G+EM} - q_G}{J_M E_0 Z_0}, \quad (25a)$$

where the subscript G refers to gravitational body force, and the subscript EM refers to electromagnetic body force. Z_0 is the width of the condenser plate in the Z-direction. The individual terms in equation (25a) can easily be calculated using equations (20a) at $y = \delta$, (23), and (16a). After rearrangement and nondimensionalization, there results

$$\eta = \frac{c\Delta T}{h_{fg} Pr \gamma M_0} \left\{ \frac{1 - \left(\frac{h_{fg} Pr \gamma}{2c\Delta T} \right) Y^2 \left[1 - (1 + \epsilon) \left(1 - \frac{\tanh Y}{Y} \right) \right]^2 - \left[\frac{\epsilon Pr \left(1 + \frac{0.68c\Delta T}{h_{fg}} \right)}{4c\Delta T(1 + \epsilon)/h_{fg}} \right]^{1/4} Y \zeta^{-1/4}}{(1 + \epsilon) \tanh Y - \epsilon Y} \right\}, \quad (26)$$

where $M_0 = B_0 Z_0 (\sigma/\mu)^{1/2}$ is a Hartmann number based on the width of the plate.

IV. RESULTS AND DISCUSSION

A. Effect of the Thermal Prandtl Number

The effects of the thermal Prandtl number upon the dimensionless film thickness, Y , the modified condensation Nusselt number, $Nu_{x,c} [\rho E_0 (1 + \epsilon) / B_0^2 (\sigma \mu)^{1/2}]^{-1}$, and the modified Nusselt ratio, $(Nu_{x,c} / Nu_{x,0}) (1 + 1/\epsilon)^{-1/4}$, are shown in Figures 2, 3, and 4, respectively.

112-4087

Fig. 2. Effect of Prandtl Number on Film Thickness

112-4082

Fig. 3. Effect of Prandtl Number on Modified Condensation Nusselt Number

112-4086

Fig. 4

Effect of Prandtl Number on Modified Condensation Nusselt Number Ratio

It is observed, in common with the nonelectromagnetic case, that the film thickness increases and the condensation Nusselt number decreases as the Prandtl number decreases. In addition, it is noted that the modified Nusselt number ratio decreases as Pr decreases, so that fluids having

large Prandtl numbers appear to give the maximum advantage over gravitational condensation. However, since fluids having large Prandtl numbers usually have extremely small values of electrical conductivity, compared to fluids having low Prandtl numbers, and the factor $\left[1 + \frac{\sigma B_0 E_0}{g(\rho - \rho_v)}\right]^{-1/4}$ appears in the ordinate, it seems that fluids having low Prandtl numbers can be most efficiently condensed if this technique is used.

B. Effect of $c\Delta T/h_{fg}$

Figures 5 through 10, respectively, show the effects of the parameter $c\Delta T/h_{fg}$ upon the dimensionless film thickness, the modified condensation Nusselt number, and the modified Nusselt number ratio for $Pr = 1.0$, 0.003, 0.008, and 0.003.

112-4088

Fig. 5. Effect of $c\Delta T/h_{fg}$ on Film Thickness

112-4080

Fig. 6. Effect of $c\Delta T/h_{fg}$ on Modified Condensation Nusselt Number

Fig. 7

Effect of $c\Delta T/h_{fg}$ on Modified Condensation Nusselt Number Ratio for $Pr = 1.0$

112-4081

112-4079

Fig. 8. Effect of $c\Delta T/h_{fg}$ on Modified Condensation Nusselt Number Ratio for $Pr = 0.03$

112-4085

Fig. 9. Effect of $c\Delta T/h_{fg}$ on Modified Condensation Nusselt Number Ratio for $Pr = 0.008$

112-4078

Fig. 10

Effect of $c\Delta T/h_{fg}$ on Modified Condensation Nusselt Number Ratio for $Pr = 0.003$

Again, the parameter $c\Delta T/h_{fg}$ plays the same role when electromagnetic body forces are present as when they are absent. Thus, the condensate film thickness decreases and the condensation Nusselt number increases as $c\Delta T/h_{fg}$ decreases, as shown in Figures 5 and 6.

The modified Nusselt ratio is larger for any given value of Pr for the smaller values of $c\Delta T/h_{fg}$. Similarly, the ratio is larger for the larger values of Pr . Again, however, since fluids with low Prandtl numbers have much larger electrical conductivities than fluids with large Prandtl numbers, the actual ratio of $Nu_{x,c}/Nu_{x,0}$ will be larger for the low Pr fluids for a given electromagnetic field and value of $c\Delta T/h_{fg}$.

C. Effect of Joule Heating as Measured by $(E_0/B_0)^2/h_{fg}$

Figure 11 shows the effect of the parameter $(E_0/B_0)^2/h_{fg}$ upon the dimensionless film thickness. Typical values of this parameter are probably limited to about 0.01 to 0.2 or 0.3, but a somewhat larger spread of values was taken for completeness. Increased Joule heating decreases the thickness of the condensate film, but, as seen in Figure 12, the condensation Nusselt number is generally reduced. However, in the practical range of $0 \leq (E_0/B_0)^2/h_{fg} \leq 0.2$, the average value of $Nu_{x,c}$ over $0 \leq \xi \leq 60$ is essentially unchanged. Thus, the rate of condensation is practically independent of Joule heating in this range. However, the cooling load at the condenser wall is strongly affected, as shown in Figure 13. With a value of $(E_0/B_0)^2/h_{fg} = 0.2$, the cooling capacity required is approximately twice that which is necessary when $(E_0/B_0)^2/h_{fg} = 0$. This, of course, just accounts for the additional heat generated by Joule dissipation in the condensate film.

The efficiency, η , multiplied by a Hartmann number, M_0 , is shown in Figure 14, and, as would be expected, when the Joule heating increases, the efficiency decreases. The efficiencies shown are for the zero-"G" case.

112-4052

Fig. 11. Effect of $(E_0/B_0)^2/h_{fg}$ on Film Thickness

112-4054 Rev.

Fig. 12. Effect of $(E_0/B_0)^2/h_{fg}$ on Modified Condensation Nusselt Number

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Fig. 13. Effect of $(E_0/B_0)^2/h_{fg}$ on Modified Wall Nusselt Number

112-4060

Fig. 14. Effect of $(E_0/B_0)^2/h_{fg}$ on Modified Efficiency

Additional calculations were carried out to indicate more clearly the effect of Joule heating on the condensation heat transfer and the process efficiency. Three test cases for condensing sodium ($Pr \approx 0.003$) were studied at the constant conditions of $c\Delta T/h_{fg} = 0.001$ and $x = Z_0 = 1$ ft, and varying values of $(E_0/B_0)^2/h_{fg}$ and $g(\rho - \rho_v)/\sigma B_0 E_0$. The results are summarized in Table I.

Table I
TEST RESULTS FOR CONDENSING SODIUM

Case	1	2	3
B_0 (kilogauss)	20	20	20
E_0 (Volts/in.)	10	1	0.1
$(E_0/B_0)^2/h_{fg}$	10^{-2}	10^{-4}	10^{-6}
$g(\rho - \rho_v)/\sigma B_0 E_0$	1.77×10^{-5}	1.77×10^{-4}	1.77×10^{-3}
ξ	10.9	109	1090
δ (in.)	0.00076	0.00217	0.00704
$Nu_{x,c}$	7.07×10^3	2.35×10^3	7.44×10^2
$Nu_{x,w}$	7.34×10^3	2.35×10^3	7.44×10^2
$Nu_{x,c}/Nu_{x,0}$	10.7	3.7	1.12
η	6.48×10^{-4}	0.0524	0.787

Table I indicates that increasing the value of E_0 will increase the condensation heat transfer rate, but decrease the process efficiency. Thus, if a maximum utilization of energy is desired, a minimum value of E_0 should be chosen consistent with the heat transfer requirements in order to minimize the Joule heating.

D. Effect of Relative Importance of the Body Forces, $g(\rho - \rho_v)/\sigma B_0 E_0$

The role of the parameter $g(\rho - \rho_v)/\sigma B_0 E_0$ upon the condensation film thickness is shown in Figure 15 for values of the parameter varying from zero to ten. However, in most practical instances, its value will be restricted to about zero to one-tenth. In this range, the film thickness changes only slightly.

Figures 16 and 17 show that the modified heat-transfer rates are not markedly affected by this parameter in practical cases. However, in Figure 18, it is seen that the ratio of the condensation Nusselt number with an electromagnetic and gravitational field, to that with only a gravitational field, can be strongly

increased by decreasing $g(\rho - \rho_v)/\sigma B_0 E_0$ (increasing the intensity of the electromagnetic field). At $\xi = 40$, the value of the ratio for $g(\rho - \rho_v)/\sigma B_0 E_0 = 10^{-5}$ is about 8.6 times the value for 10^{-1} .

Fig. 15
Effect of $g(\rho - \rho_v)/\sigma B_0 E_0$
on Film Thickness

112-4055

Fig. 16
Effect of $g(\rho - \rho_v)/\sigma B_0 E_0$
on Modified Condensation
Nusselt Number

112-4051

Fig. 17
Effect of $g(\rho - \rho_v)/\sigma B_0 E_0$ on
Modified Wall Nusselt Number

112-4053

112-4058

Fig. 18. Effect of $g(\rho - \rho_v)/\sigma B_0 E_0$ on Modified Condensation Nusselt Number Ratio

Figure 19 shows a recalculation of the results of Figure 18 for $(E_0/B_0)^2/h_{fg} = 0.01$. As the Nusselt number ratio is increased by decreasing $g(\rho - \rho_v)/\sigma B_0 E_0$, similarly the modified efficiency, ηM_0 , is also increased as shown in Figures 20 and 21. For a value of $g(\rho - \rho_v)/\sigma B_0 E_0 = 0$ (either a zero-"G" situation, or a very large electromagnetic field intensity), the efficiency is about 8.7 times that at $g(\rho - \rho_v)/\sigma B_0 E_0 = 0.05$ for $(E_0/B_0)^2/h_{fg} = 0.010$ and $\zeta = 40$.

112-4062

Fig. 19. Effect of $g(\rho - \rho_v)/\sigma B_0 E_0$ on Modified Condensation Nusselt Number Ratio

112-4057

Fig. 20. Effect of $g(\rho - \rho_v)/\sigma B_0 E_0$ on Modified Efficiency for $(E_0/B_0)^2/h_{fg} = 0.100$

112-4059

Fig. 21. Effect of $g(\rho - \rho_v)/\sigma B_0 E_0$ on Modified Efficiency for $(E_0/B_0)^2/h_{fg} = 0.010$

V. CONCLUSIONS

A new technique for increasing condensation heat transfer rates has been proposed and analyzed. It has been shown that large increases in this rate can be expected for liquid metals and that the method can be used in zero-gravity fields. The effects of the Prandtl number (0.003 to 1), the parameters $c\Delta T/h_{fg}$ (4×10^{-5} to 0.5), $g(\rho - \rho_v)/\sigma B_0 E_0$ (0 to 10), $(E_0/B_0)^2/h_{fg}$ (0 to 1.0), and the coordinate ξ (0 to 60) have been studied.

Several limitations to the analysis should be considered when these results are interpreted. The first is the assumption of laminar flow. The electromagnetic field is used to accelerate the flow; thus, velocities probably will be reached at which the flow becomes turbulent. However, this should increase the heat transfer rate above the predicted values; thus, the values presented are probably conservative.

The second assumption is that of a negligible induced magnetic field. This is essentially the same as assuming that the magnetic Reynolds' number, $R_m = \mu \delta \sigma \bar{u}$, is small compared to unity. For sodium with a film thickness of 0.001 meter and a velocity of 5.0 meters/second, R_m will be about 0.10. For mercury under the same conditions, R_m will be about 0.007. Thus, the assumption that R_m is small might be questionable for sodium, but appears to be reasonable for mercury.

Thirdly, the neglect of the acceleration terms in the momentum equation is of questionable validity for fluids having low Prandtl numbers. The inclusion of these terms should tend to decrease the heat transfer rate.

Finally, when equation (16) is solved numerically, it is noted that $(dY/d\xi)_{\xi=0} = \infty$. Thus, to start the integration, the initial condition $Y(0) = 0$ was replaced by $Y(0) = \epsilon'$, where ϵ' was made as small as possible so as to yield a solution with a smoothly-changing slope. In most cases, ϵ' was about 0.010. This approximation is expected to introduce less than a 1% error in the final results. In fact, when ϵ' was varied from 0.010 to 0.050 in a particular case, the solution differed by less than 0.10%.

Because of the promising results indicated in this paper, an experimental study is recommended to check the many assumptions involved and, primarily, to give a practical demonstration of this technique.

APPENDIX A

The Effect of the Inertia of the Condensate Film

In the preceding analysis, the nonlinear inertial terms in the momentum equation, (2), were neglected so that a solution for the velocity profile, u , could be obtained by direct integration. This appendix investigates equations (1) through (3) as written, including all nonlinear terms (Joule heating excluded).

If equation (1) is solved for v by integration and the expression for v is substituted into equations (2) and (3), there results, after integration over $y = 0$ to $y = \delta(x)$,

$$\begin{aligned} \frac{\partial}{\partial x} \int_0^\delta u^2 dy = & \left[\frac{g(\rho - \rho_v) + \sigma B_0 E_0}{\rho} \right] \delta - \nu \left(\frac{\partial u}{\partial y} \right)_{y=0} - \frac{\sigma B_0^2}{\rho} \int_0^\delta u dy \\ & + u(\delta) \frac{\partial}{\partial x} \int_0^\delta u dy; \end{aligned} \quad (A1)$$

$$\frac{\partial}{\partial x} \int_0^\delta u \left[1 + \frac{c(T_s - T)}{h_{fg}} \right] dy = \frac{k}{\rho h_{fg}} \left(\frac{\partial T}{\partial y} \right)_{y=0}. \quad (A2)$$

For simplicity, the temperature profile will be assumed to be linear in y/δ . However, a polynomial form for $u(x, y)$ is also assumed. Thus,

$$T_s - T = (T_s - T_w)(1 - y/\delta) = \Delta T(1 - y/\delta); \quad (A3)$$

$$u(x, y) = U(x)(y/\delta)(2 - y/\delta); \quad (A4)$$

where $\delta(x)$ and $U(x)$ are to be determined as a result of this analysis.

These forms of T and u satisfy the following boundary conditions:

$$\left. \begin{array}{l} T = T_w \\ u = 0 \end{array} \right\} y = 0; \quad \left. \begin{array}{l} T = T_s \\ \frac{\partial u}{\partial y} = 0 \end{array} \right\} y = \delta. \quad (A5)$$

Substitution of equations (A3) and (A4) into equations (A1) and (A2), after some rearrangement, results in

$$-\frac{2}{15} V^2 Y \frac{dY}{d\xi} + \frac{6}{15} Y^2 V \frac{dV}{d\xi} = (1 - \frac{2}{3} V) Y^2 - 2V, \quad (A6)$$

$$VY \frac{dY}{d\zeta} + Y^2 \frac{dV}{d\zeta} = \frac{3}{2} \left(\frac{c\Delta T}{h_{fg}} \right) / \text{Pr} \left(1 + \frac{3c\Delta T}{8h_{fg}} \right), \quad (\text{A7})$$

where $Y(\zeta)$ and ζ are defined in equation (17), and $V(\zeta)$ is defined as

$$V(\zeta) = U(x) \left(\frac{B_0}{E_0} \right) \left[1 + \frac{g(\rho - \rho_V)}{\sigma B_0 E_0} \right]^{-1}. \quad (\text{A8})$$

Equations (A6) and (A7) can be solved for the derivatives of Y and V to yield

$$\frac{dY}{d\zeta} = -\frac{15}{8V^2Y} \left\{ \left(1 - \frac{2}{3} V \right) Y^2 - \frac{V[10\text{Pr} + (1 + 5\text{Pr}/4)(3c\Delta T/h_{fg})]}{5\text{Pr}[1 + (3c\Delta T/8h_{fg})]} \right\}, \quad (\text{A9})$$

$$\frac{dV}{d\zeta} = \frac{15}{8VY^2} \left\{ \left(1 - \frac{2}{3} V \right) Y^2 + \frac{V[(1 - 15\text{Pr}/4)(c\Delta T/h_{fg}) - 10\text{Pr}]}{5\text{Pr}[1 + (3c\Delta T/8h_{fg})]} \right\}. \quad (\text{A10})$$

The initial condition on $Y(\zeta)$ is $Y(0) = 0$, as in the previous analysis. However, there is some question concerning the proper value of $V(0)$. The point $\zeta = 0$ is a singular point in equations (A9) and (A10) because $Y(0) = 0$. In addition, it is known that the integral-type solution attempted here is probably invalid near $\zeta = 0$ because of the breaking down of the assumed temperature and velocity profiles, (A3) and (A4). Thus, an initial condition on $V(\zeta)$ will be obtained by analyzing the governing differential equations near the point $\zeta = 0$ rather than by physical intuition.

For very small values of ζ , $Y(\zeta) \approx 0$, so limiting expressions for $dY/d\zeta$ and $dV/d\zeta$ can be obtained as follows:

$$\frac{dY}{d\zeta} \rightarrow \frac{3}{8VY} \left\{ \frac{10\text{Pr} + (1 + 5\text{Pr}/4)(3c\Delta T/h_{fg})}{\text{Pr}[1 + (3c\Delta T/8h_{fg})]} \right\} \text{ as } \zeta \rightarrow 0;$$

$$\frac{dV}{d\zeta} \rightarrow \frac{3}{8Y^2} \left\{ \frac{(1 - 15\text{Pr}/4)(c\Delta T/h_{fg}) - 10\text{Pr}}{\text{Pr}[1 + (3\Delta T/8h_{fg})]} \right\} \text{ as } \zeta \rightarrow 0.$$

It is apparent that $dY/d\zeta$ approaches either $+\infty$ (if $V \rightarrow \text{constant}$), or some positive finite value (if $V \rightarrow +\infty$). It is also apparent that $dV/d\zeta$ must approach either $\pm\infty$, depending on the sign of $[(1 - 15\text{Pr}/4)(c\Delta T/h_{fg}) - 10\text{Pr}]$.

In fact, if $(c\Delta T/h_{fg}) > [10\text{Pr}/(1 - 15\text{Pr}/4)]$, then $dV/d\zeta \rightarrow +\infty$ as $\zeta \rightarrow 0$, and if $(c\Delta T/h_{fg}) < [10\text{Pr}/(1 - 15\text{Pr}/4)]$, then $dV/d\zeta \rightarrow -\infty$ as $\zeta \rightarrow 0$. Since $V(\zeta) \geq 0$ for all ζ , the limiting values for the slopes indicate that $V(\zeta) \rightarrow +\infty$ or 0, depending upon whether $c\Delta T/h_{fg}$ is, respectively, greater than or less than $10\text{Pr}/(1 - 15\text{Pr}/4)$.

Numerical solutions of equations (A9) and (A10) were attempted by using the above criterion for determining $V(0)$ for the fixed value of $Pr = 0.008$. Thus, $V(0) \rightarrow +\infty$ or 0 according to whether $c\Delta T/h_{fg}$ was, respectively, greater or less than $(0.080/0.97) = 0.08274$. The equations became very unstable for values of $c\Delta T/h_{fg}$ within a factor of 10 of this critical number, and so solutions were obtained only for $c\Delta T/h_{fg}$ equal to 0.003 and 0.0002. Results for the former case are fairly reliable because of an insensitivity to changes in the step size (in the range of $10^{-15} < \Delta\zeta < 10^{-30}$); however, results for the latter case were very sensitive to the step size, and the accuracy is somewhat questionable.

In both cases, there was an increase in the film thickness, Y , when compared to the solutions previously presented which neglected condensate inertia. This was to be expected because of the slowing down of the condensate film, resulting in a larger liquid holdup. The ratio of the film thickness calculated from equations (A9) and (A10), to that calculated from equation (16), is shown in Table A1 for several values of ζ . The Nusselt number is inversely proportional to the film thickness and will be reduced from the case with no inertia by the inverse of the numbers shown.

Table A1

EFFECT OF FILM INERTIA

Ratio of Film Thickness Obtained Using Inertial Terms
to That Obtained Neglecting Inertial Terms

ζ	$c\Delta T/h_{fg} = 0.003$	$c\Delta T/h_{fg} = 0.0002$	ζ	$c\Delta T/h_{fg} = 0.003$	$c\Delta T/h_{fg} = 0.0002$
0	1.000	1.00	35	1.042	1.36
5	1.311	2.14	40	1.034	1.33
10	1.166	1.82	45	1.027	1.31
15	1.100	1.62	50	1.023	1.29
20	1.065	1.50	55	1.017	1.28
25	1.058	1.43	60	1.009	1.26
30	1.050	1.39			

The results in Table A1 indicate that the average Nusselt number (integrated over $0 \leq \zeta \leq 60$) is reduced by the condensate inertia by about 6.9% when $c\Delta T/h_{fg} = 0.003$ and by about 44%* when $c\Delta T/h_{fg} = 2 \times 10^{-4}$. These reductions are not large enough to significantly effect the main proposal in this report, i.e., that condensation rates of electrically conducting liquids can be controlled and increased by use of an electromagnetic field.

*The accuracy of the results for this case is questionable because of numerical instabilities in the defining equations.

APPENDIX B

Tabulation of Data for Cases in
Which Dissipation is Neglected1. $Pr = 100$, $c\Delta T/h_{fg} = 0.50$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.010	5.61999	0.573954
0.0110279	0.116919	6.27535	0.591166
0.0212679	0.137856	7.58607	0.622204
0.0315079	0.152164	8.89679	0.649781
0.0443079	0.165775	10.2075	0.674399
0.0545479	0.174681	11.5182	0.697052
0.0699079	0.185901	12.8289	0.718020
0.0801479	0.192389	14.1397	0.737658
0.0903879	0.198333	15.4504	0.756048
0.100628	0.203770	16.7611	0.773442
0.213268	0.246405	19.3825	0.805607
0.336148	0.276572	22.0040	0.835086
0.418068	0.292375	24.6254	0.862353
0.540948	0.312202	27.2469	0.887743
0.622868	0.323700	29.8683	0.911596
0.704788	0.334119	32.4897	0.934158
0.868628	0.352476	35.1112	0.955590
1.03247	0.368551	40.3541	0.995559
2.01551	0.438163	45.5969	1.03229
2.99855	0.486040	50.8398	1.06657
3.98159	0.523736	56.0827	1.09878
4.96463	0.555303	61.3256	1.12922

2. **Pr** = 100, $c\Delta T/h_{fg} = 0.08$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.0049	5.29606	0.363423
0.0109413	0.0763996	5.95142	0.374525
0.0199013	0.0887253	6.60678	0.384716
0.0301413	0.0984583	7.26214	0.394256
0.0403813	0.105951	8.57286	0.411447
0.0531813	0.113526	9.88358	0.426895
0.0634213	0.118654	11.1943	0.440988
0.0736613	0.123187	12.5050	0.453892
0.0839013	0.127261	13.8157	0.465855
0.0941413	0.131005	15.1265	0.477033
0.104381	0.134446	16.4372	0.487566
0.196541	0.157600	17.7479	0.497494
0.298941	0.175144	20.3693	0.515919
0.421821	0.191020	22.9908	0.532721
0.544701	0.203715	25.6122	0.548145
0.626621	0.211008	28.2337	0.562541
0.708541	0.217693	30.8551	0.576017
0.790461	0.223800	33.4765	0.588761
0.872381	0.229468	36.0980	0.600788
0.954301	0.234706	38.7194	0.612238
1.03622	0.239668	43.9623	0.633565
2.01926	0.283897	49.2052	0.653205
3.00230	0.314087	54.4481	0.671517
3.98534	0.337825	59.6909	0.688612
4.64070	0.351369	64.9338	0.704731

3. $Pr = 100$, $c\Delta T/h_{fg} = 0.001$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.035	3.96799	0.112655
0.0102300	0.0371757	4.95103	0.119025
0.0204700	0.0390275	5.60639	0.122762
0.0358300	0.0413911	6.91711	0.129372
0.0460700	0.0427655	7.57247	0.132330
0.0563100	0.0440196	8.22783	0.135099
0.0665500	0.0451759	9.53855	0.140192
0.0767900	0.0462485	10.8493	0.144781
0.0870300	0.0472518	12.1600	0.148965
0.0972700	0.0481946	13.4707	0.152833
0.107510	0.0490862	14.7814	0.156437
0.199670	0.0555171	16.0921	0.159806
0.281590	0.0597946	18.7136	0.165977
0.363510	0.0633116	21.3350	0.171508
0.404470	0.0648721	23.9565	0.176594
0.445430	0.0663265	26.5779	0.181263
0.527350	0.0689751	29.1993	0.185615
0.609270	0.0713406	31.8208	0.189670
0.691190	0.0735111	34.4422	0.193495
0.773110	0.0754975	39.6851	0.200511
0.855030	0.0773443	44.9280	0.206893
0.936950	0.0790617	50.1709	0.212742
1.01887	0.0806787	55.4137	0.218147
2.00191	0.0951251	60.6566	0.223175
2.98495	0.104978		

4. $\text{Pr} = 10$, $c\Delta T/h_{fg} = 0.20$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.010	4.71388	0.822317
0.0111567	0.170284	5.36924	0.853305
0.0213967	0.200631	6.02460	0.881969
0.0290767	0.216787	6.67996	0.908665
0.0393167	0.233900	7.33532	0.933702
0.0495567	0.248060	8.64604	0.979726
0.0597967	0.260145	9.95676	1.02143
0.0700367	0.270810	11.2675	1.06019
0.0802767	0.280371	12.5782	1.09615
0.0956367	0.293149	13.8889	1.12995
0.105877	0.300853	15.1996	1.16169
0.208277	0.357717	16.5104	1.19202
0.290197	0.389875	19.1318	1.24843
0.413077	0.427107	21.7532	1.30060
0.535957	0.457002	24.3747	1.34946
0.617877	0.474299	26.9961	1.39528
0.699797	0.490090	29.6176	1.43872
0.781717	0.504561	32.2390	1.48004
0.863637	0.517987	34.8604	1.51964
0.945557	0.530542	37.4819	1.55764
1.02748	0.542379	40.1033	1.59426
2.09244	0.656521	45.3462	1.66384
3.07548	0.729634	50.5891	1.72938
4.05852	0.788333	61.0748	1.85094

5. $\text{Pr} = 10$, $c\Delta T/h_{fg} = 0.08$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.007	6.58432	0.710679
0.0102400	0.251156	7.23968	0.729283
0.0204800	0.256240	7.89504	0.746759
0.0307200	0.261047	8.55040	0.763326
0.0409600	0.265604	9.20576	0.779053
0.0512000	0.269946	9.86112	0.794074
0.0716800	0.278065	11.1718	0.822227
0.0921600	0.285554	12.4826	0.848333
0.112640	0.292512	15.1040	0.895769
0.194560	0.316358	17.7254	0.938451
0.276480	0.335972	20.3469	0.976701
0.399360	0.360396	22.9683	1.01218
0.481280	0.374396	25.5898	1.04519
0.604160	0.392981	28.2112	1.07636
0.768000	0.414464	30.8326	1.10569
0.849920	0.424128	33.4541	1.13360
1.01376	0.441710	36.0755	1.16018
1.99680	0.520620	38.6970	1.18567
2.97984	0.576330	43.9398	1.23369
3.96288	0.620696	49.1827	1.27854
4.61824	0.646256	54.4256	1.32074
5.27360	0.669402	59.6685	1.36066
5.92896	0.690835	64.9114	1.39865

6. $\mathbf{Pr} = 10$, $c\Delta T/h_{fg} = 0.001$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.035	4.96447	0.212174
0.0108700	0.0491866	5.61983	0.218912
0.0211100	0.0561637	6.27519	0.225099
0.0313500	0.0612251	6.93055	0.230827
0.0441500	0.0661799	7.58571	0.236160
0.0543900	0.0694701	8.89663	0.245867
0.0595100	0.0709534	10.2073	0.254531
0.0697500	0.0736675	11.5181	0.262485
0.0799900	0.0761025	12.8288	0.269704
0.0902300	0.0783406	14.1395	0.276534
0.100470	0.0803955	15.4502	0.282830
0.192630	0.0942291	16.7609	0.288763
0.295030	0.104673	19.3824	0.299624
0.376950	0.111229	22.0038	0.309497
0.458870	0.116799	24.6253	0.318534
0.540790	0.121659	27.2467	0.326882
0.622710	0.125987	29.8681	0.334639
0.704630	0.129953	32.4896	0.341932
0.786550	0.133574	35.1110	0.348797
0.868470	0.136933	37.7325	0.355310
0.950390	0.140034	42.9753	0.367383
1.03231	0.142971	48.2182	0.378447
2.01535	0.169081	53.4611	0.388665
2.99839	0.186860	58.7040	0.398173
3.98143	0.200685	69.1897	0.415416

$$7. \text{Pr} = 1.0, c\Delta T/h_{fg} = 0.50, \gamma = 0$$

ξ	Y	ξ	Y
0.	0.020	5.51077	2.42706
0.0106148	0.371089	6.82149	2.64644
0.0221348	0.448915	7.47685	2.74865
0.0323748	0.495789	8.13221	2.84680
0.0426148	0.533071	9.44293	3.03266
0.0528548	0.564542	10.7537	3.20656
0.0630948	0.591890	12.0644	3.37142
0.0733348	0.616324	13.3751	3.52795
0.0835748	0.638500	14.6858	3.67754
0.0938148	0.658866	15.9965	3.82076
0.104055	0.677770	17.3073	3.95879
0.206455	0.820061	18.6180	4.09192
0.308855	0.920425	19.9287	4.22075
0.390775	0.986165	22.5501	4.46680
0.472695	1.04362	25.1716	4.69968
0.595575	1.11931	27.7930	4.92124
0.677495	1.16462	30.4145	5.13290
0.759415	1.20663	33.0359	5.33601
0.841335	1.24621	38.2788	5.72011
0.923255	1.28355	43.5217	6.08023
1.00517	1.31907	48.7645	6.41937
1.90629	1.63381	54.0074	6.74098
2.88933	1.89491	59.2503	7.04756
3.87237	2.11440	64.4932	7.34145
4.85541	2.30819		

8. $\text{Pr} = 1.0$, $c\Delta T/h_{fg} = 0.20$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.020	5.39011	1.76876
0.0102702	0.298503	6.04547	1.84377
0.0217902	0.361908	6.70083	1.91469
0.0345902	0.407674	7.35619	1.98228
0.0448302	0.436045	8.01155	2.04683
0.0550702	0.460085	8.66691	2.10899
0.0601902	0.470872	9.32227	2.16890
0.0704302	0.490715	9.97763	2.22685
0.0806702	0.508579	11.2883	2.33752
0.0960302	0.532570	12.5991	2.44235
0.106270	0.547096	15.2205	2.63800
0.208670	0.655960	17.8419	2.81871
0.311070	0.731972	20.4634	2.98674
0.433950	0.803306	23.0848	3.14590
0.515870	0.843627	25.7063	3.29664
0.638750	0.896908	28.3277	3.44064
0.720670	0.928834	30.9491	3.57845
0.802590	0.958581	33.5706	3.71105
0.884510	0.986409	36.1920	3.83887
0.966430	1.01269	38.8135	3.96249
1.13027	1.06116	44.0563	4.19851
1.94947	1.25588	49.2992	4.42178
2.76867	1.40693	54.5421	4.63410
3.09635	1.46024	59.7850	4.83690
4.07939	1.60373	65.0279	5.03147

9. $Pr = 1.0$, $c\Delta T/h_{fg} = 0.08$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.015	5.75017	1.34346
0.0106475	0.241241	6.40553	1.39170
0.028875	0.286242	7.06089	1.43726
0.0311275	0.316931	7.71625	1.48052
0.0413675	0.340871	8.37161	1.52184
0.0516075	0.360790	9.68233	1.59901
0.0618475	0.378020	10.9930	1.67126
0.0720875	0.393271	12.3038	1.73929
0.0874475	0.413438	13.6145	1.80378
0.0976875	0.425507	14.9252	1.86498
0.107928	0.436687	16.2359	1.92372
0.200088	0.513307	17.5466	1.98009
0.302487	0.573854	18.8574	2.03452
0.425367	0.627842	21.4788	2.13803
0.507287	0.658592	24.1002	2.23575
0.589207	0.686074	26.7217	2.32857
0.671127	0.710980	29.3431	2.41716
0.753047	0.734054	31.9646	2.50213
0.834967	0.755431	34.5860	2.58394
0.998807	0.794583	37.2074	2.66295
1.16265	0.829643	42.4503	2.81361
1.98185	0.967625	47.6932	2.95586
2.80105	1.07263	52.9361	3.09127
3.78409	1.17632	58.1790	3.22070
4.76713	1.26490	63.4218	3.34489

10. $Pr = 1.0$, $C\Delta T/h_{fg} = 0.02$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.010	5.14205	0.858714
0.0105260	0.170579	5.79741	0.888800
0.0220460	0.205467	6.45277	0.916785
0.0322860	0.226257	7.76349	0.967830
0.0425260	0.242593	9.07421	1.01391
0.0527660	0.256231	10.3849	1.05548
0.0630060	0.268035	11.6956	1.09411
0.0732460	0.278484	13.0064	1.13018
0.0834860	0.287873	14.3171	1.16426
0.0937260	0.296513	15.6278	1.19643
0.103966	0.304457	16.9385	1.22709
0.206366	0.363043	19.5600	1.28437
0.308766	0.402702	22.1814	1.33751
0.431646	0.439299	24.8028	1.38725
0.513566	0.459674	27.4243	1.43405
0.636446	0.486265	30.0457	1.47845
0.718366	0.502017	32.6672	1.52080
0.800286	0.516453	37.9100	1.60040
0.882206	0.529932	43.1529	1.67437
0.964126	0.542533	48.3958	1.74358
1.04605	0.554461	53.6387	1.80931
2.19293	0.676808	58.8816	1.87182
3.17597	0.749596	64.1244	1.93167
4.15901	0.808446		

$$11. \text{Pr} = 1, c\Delta T/h_{fg} = 0.005, \gamma = 0$$

ξ	Y	ξ	Y
0.	0.010	5.47741	0.596632
0.0105300	0.120611	6.13277	0.615080
0.0220500	0.145177	6.78813	0.632194
0.0322900	0.159784	7.44349	0.648188
0.0450900	0.173789	8.75421	0.677409
0.0553300	0.182984	10.0649	0.703715
0.0604500	0.187101	11.3756	0.728007
0.0706900	0.194639	12.6864	0.750400
0.0809300	0.201384	13.9971	0.771323
0.0911700	0.207517	15.3078	0.790849
0.101410	0.213161	16.6185	0.809418
0.214050	0.257528	17.9292	0.826994
0.316450	0.284401	19.2400	0.843764
0.439330	0.309212	20.5507	0.859794
0.562210	0.329279	21.8614	0.875181
0.644130	0.340905	24.4828	0.904239
0.726050	0.351577	27.1043	0.931375
0.807970	0.361382	29.7257	0.956882
0.889890	0.370488	32.3472	0.980990
0.971810	0.378966	34.9686	1.00391
1.05373	0.386975	40.2115	1.04649
2.20061	0.468617	45.4544	1.08593
3.18365	0.516340	50.6972	1.12277
4.16669	0.554576	55.9401	1.15739
4.82205	0.576613	61.1830	1.19005

12. $\mathbf{Pr} = 1$, $c\Delta T/h_{fg} = 0.001$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.035	4.76399	0.377277
0.0100700	0.0804572	5.41935	0.390032
0.0203100	0.0954504	6.07471	0.401702
0.0305500	0.105583	6.73007	0.412501
0.0433500	0.115163	8.04079	0.432036
0.0535900	0.121406	9.35151	0.449183
0.0638300	0.126809	10.6622	0.464818
0.0740700	0.131605	11.9729	0.479155
0.0843100	0.135928	13.2837	0.492470
0.0945500	0.139884	14.5944	0.504826
0.104790	0.143531	15.9051	0.516434
0.217430	0.172342	18.5265	0.537684
0.319830	0.189889	21.1480	0.556979
0.422230	0.203656	23.7694	0.574662
0.504150	0.212977	26.3909	0.590988
0.586070	0.221221	29.0123	0.606205
0.667990	0.228627	31.6337	0.620522
0.749910	0.235436	34.2552	0.634024
0.831830	0.241696	39.4981	0.659059
0.995670	0.253053	44.7409	0.681850
1.15951	0.262979	49.9838	0.702858
2.14255	0.307413	55.2267	0.722480
3.12559	0.338571	60.4696	0.740860
4.10863	0.363178		

13. $\mathbf{Pr} = 0.030$, $C\Delta T/h_{fg} = 0.150$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.035	4.93898	6.90171
0.0109844	0.710505	5.59434	7.33107
0.0212244	0.854652	6.24970	7.73672
0.0314644	0.957849	6.90506	8.12216
0.0442644	1.05992	7.56042	8.48985
0.0545044	1.12931	8.21578	8.84225
0.0596244	1.16099	9.52650	9.51005
0.0647444	1.19114	10.8372	10.1327
0.0749844	1.24736	12.1479	10.7180
0.0852244	1.29929	13.4587	11.2727
0.0954644	1.34792	14.7694	11.8022
0.105704	1.39364	16.0801	12.3084
0.208104	1.75795	18.7015	13.2629
0.310504	2.03665	21.3230	14.1513
0.433384	2.31673	23.9444	14.9897
0.515304	2.48443	26.5659	15.7826
0.597224	2.63774	29.1873	16.5379
0.679144	2.78241	31.8087	17.2589
0.761064	2.91914	34.4302	17.9520
0.842984	3.04983	37.0516	18.6190
0.924904	3.17442	39.6731	19.2632
1.00682	3.29418	44.9159	20.4902
1.98986	4.48123	50.1588	21.6483
2.97290	5.41123	55.4017	22.7474
3.95594	6.20129	60.6446	23.7952

14. $Pr = 0.030$, $c\Delta T/h_{fg} = 0.068$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.030	4.88243	4.78417
0.0107460	0.574527	5.53779	5.07630
0.0209860	0.688436	6.19315	5.35252
0.0312260	0.768555	7.50387	5.86653
0.0440260	0.846903	8.81459	6.33919
0.0542660	0.899357	10.1253	6.77686
0.0645060	0.945714	11.4360	7.18960
0.0696260	0.967146	12.7467	7.57907
0.0798660	1.00727	14.0575	7.94995
0.0901060	1.04433	15.3682	8.30377
0.100346	1.07868	16.6789	8.64335
0.192506	1.32233	17.9896	8.96985
0.294906	1.52298	19.3003	9.28497
0.376826	1.65733	21.9218	9.88487
0.499706	1.83293	24.5432	10.4506
0.540666	1.88650	27.1647	10.9871
0.622586	1.98791	29.7861	11.4983
0.704506	2.08295	32.4075	11.9879
0.786426	2.17274	37.6504	12.9105
0.868346	2.25831	42.8933	13.7707
0.950266	2.34009	48.1362	14.5825
1.03219	2.41866	53.3791	15.3508
1.93331	3.14433	58.6219	16.0825
2.91635	3.77289	63.8648	16.7815
3.89939	4.30846		

15. $P_{\infty} = 0.030$, $c\Delta T/h_{fg} = 0.032$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.025	5.62061	3.63444
0.0103676	0.468053	6.27597	3.81972
0.0218876	0.570136	6.93133	3.99640
0.0321276	0.632112	7.58669	4.16543
0.0449276	0.692618	8.24205	4.32794
0.0551676	0.732994	8.89741	4.48434
0.0654076	0.768546	10.2081	4.78206
0.0705276	0.784937	11.5188	5.06230
0.0807676	0.815553	12.8296	5.32740
0.0910076	0.843735	14.1403	5.58005
0.101248	0.869807	15.4510	5.82163
0.193408	1.05176	16.7617	6.05372
0.295808	1.19788	18.0724	6.27701
0.377728	1.29430	20.6939	6.70169
0.459648	1.37941	23.3153	7.10107
0.541568	1.45642	25.9368	7.47869
0.623488	1.52727	28.5582	7.83831
0.705408	1.59325	31.1796	8.18202
0.787328	1.65533	33.8011	8.51204
0.869248	1.71414	36.4225	8.82947
0.951168	1.77013	41.6654	9.43282
1.03309	1.82373	46.9083	9.99986
2.01613	2.35174	52.1512	10.5356
2.99917	2.76593	57.3940	11.0459
3.98221	3.12137	62.6369	11.5335
4.96525	3.43859		

16. $\mathbf{P}^* = 0.030$, $c\Delta T/h_{fg} = 0.010$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.020	5.30265	2.18393
0.0111265	0.353415	5.95801	2.28595
0.0213665	0.418262	6.61337	2.38267
0.0316065	0.463114	7.26873	2.47512
0.0444065	0.506356	8.57945	2.64850
0.0546465	0.534922	9.89017	2.81015
0.0597665	0.547789	11.2009	2.96301
0.0700065	0.571339	12.5116	3.10775
0.0802465	0.592500	13.8223	3.24567
0.0904865	0.612025	15.1330	3.37762
0.100727	0.630000	17.7545	3.62713
0.203127	0.764257	20.3759	3.86035
0.305527	0.857437	22.9974	4.07932
0.428406	0.945494	25.6188	4.28750
0.510326	0.995499	28.2402	4.48585
0.633206	1.06189	30.8617	4.67611
0.715126	1.10187	33.4831	4.85859
0.797046	1.13894	36.1046	5.03453
0.878966	1.17394	41.3474	5.36884
1.04281	1.23808	46.5903	5.68370
1.86201	1.49603	51.8332	5.98210
2.68121	1.69688	57.0761	6.26609
3.99193	1.96082	62.3190	6.53780
4.64729	2.07610		

$$17. P_{\infty} = 0.030, c\Delta T/h_{fg} = 0.003, \gamma = 0$$

ξ	Y	ξ	Y
0.	0.015	3.75985	1.27058
0.0107268	0.257650	4.74289	1.36955
0.0222468	0.310160	5.72593	1.45759
0.0324868	0.341741	6.38129	1.51175
0.0401668	0.360887	7.69201	1.61193
0.0529668	0.387567	9.00273	1.70357
0.0632068	0.405697	10.3134	1.78798
0.0734468	0.421799	11.6242	1.86733
0.0836868	0.436300	12.9349	1.94242
0.0939268	0.449672	15.5563	2.08275
0.104167	0.461992	18.1778	2.21250
0.216807	0.560621	20.7992	2.33236
0.319207	0.621908	23.4206	2.44564
0.401127	0.661690	26.0421	2.55320
0.524007	0.711925	28.6635	2.65609
0.605927	0.741126	31.2850	2.75461
0.728807	0.780313	36.5278	2.94123
0.810727	0.804059	41.7707	3.11605
0.892647	0.826272	47.0136	3.28034
0.974567	0.847168	52.2565	3.43696
1.13841	0.885723	57.4994	3.58646
1.95761	1.03854	62.7422	3.73025
2.77681	1.15511		

18. $P_z = 0.030$, $c\Delta T/h_{fg} = 2 \times 10^{-4}$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.010	4.38181	0.607377
0.0106063	0.129920	5.03717	0.630610
0.0221263	0.156251	5.69253	0.651874
0.0349263	0.175306	6.34789	0.671573
0.0451663	0.187003	7.00325	0.689871
0.0554063	0.196913	7.65861	0.707053
0.0656463	0.205522	8.31397	0.723241
0.0707663	0.209453	8.96933	0.738619
0.0810063	0.216707	9.62469	0.753245
0.0912463	0.223312	10.2800	0.767228
0.101486	0.229417	11.5908	0.793480
0.203886	0.273767	12.9015	0.817850
0.285806	0.298339	15.5229	0.862186
0.367726	0.318160	18.1444	0.902097
0.490606	0.342519	20.7658	0.937946
0.531566	0.349638	23.3872	0.971190
0.613486	0.362754	26.0087	1.00214
0.695406	0.374605	28.6301	1.03133
0.777326	0.385550	31.2516	1.05881
0.859246	0.395653	33.8730	1.08496
0.941166	0.405104	39.1159	1.13363
1.02309	0.413952	44.3588	1.17856
1.92421	0.488118	49.6016	1.22059
2.74341	0.535921	54.8445	1.25998
3.72645	0.581552	60.0874	1.29728

$$19. \quad P_r = 0.030, \quad c\Delta T/h_{fg} = 4 \times 10^{-5}, \quad \gamma = 0$$

ξ	Y	ξ	Y
0.	0.007	2.84792	0.356011
0.0101574	0.0858676	3.83096	0.384239
0.0216774	0.103801	4.81400	0.407601
0.0319174	0.114375	5.46936	0.421300
0.0421574	0.122643	6.12472	0.433857
0.0523974	0.129521	6.78008	0.445490
0.0626374	0.135459	7.43544	0.456342
0.0728774	0.140704	8.09080	0.466523
0.0831174	0.145408	9.40152	0.485221
0.0933574	0.149731	10.7122	0.502089
0.103597	0.153699	12.0230	0.517655
0.205997	0.182794	13.3337	0.532018
0.308397	0.202312	15.9551	0.558196
0.390317	0.214721	18.5766	0.581468
0.472237	0.225297	21.1980	0.602300
0.513197	0.230094	23.8194	0.621556
0.554157	0.234603	26.4409	0.639314
0.636077	0.242949	29.0623	0.655981
0.717997	0.250524	34.3052	0.686220
0.799917	0.257456	39.5481	0.713667
0.881837	0.263909	44.7910	0.738693
0.963757	0.269924	50.0338	0.761809
1.04568	0.275583	55.2767	0.783229
1.86488	0.319399	65.7625	0.822703

20. $P_T = 0.008$, $c\Delta T/h_{fg} = 0.068$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.035	5.73755	9.79527
0.0108277	0.827620	6.39291	10.3314
0.0210677	1.00396	7.04827	10.8405
0.0313077	1.13165	7.70363	11.3269
0.0441077	1.25962	8.35899	11.7931
0.0543477	1.34704	9.01435	12.2417
0.0645877	1.42560	9.66971	12.6743
0.0748277	1.49753	10.9804	13.4983
0.0850677	1.56430	12.2911	14.2749
0.0953077	1.62697	13.6019	15.0103
0.105548	1.68618	14.9126	15.7121
0.207948	2.16509	16.2233	16.3835
0.289868	2.46879	17.5340	17.0290
0.371788	2.73473	18.8447	17.6505
0.494668	3.08760	21.4662	18.8330
0.576588	3.30104	24.0876	19.9462
0.658508	3.50117	26.7091	20.9987
0.740428	3.68967	29.3305	22.0014
0.822348	3.86890	34.5734	23.8768
0.986188	4.20473	39.8163	25.6134
1.15003	4.51335	45.0591	27.2471
2.13307	6.05242	50.3020	28.7861
3.11611	7.26599	55.5449	30.2471
4.09915	8.30569	60.7878	31.6380
5.08219	9.22827		

21. $\mathbf{Pr} = 0.008$, $c\Delta T/h_{fg} = 0.032$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.030	5.56171	6.72592
0.0103533	0.665719	6.21707	7.09955
0.0218733	0.819345	6.87243	7.45444
0.0321133	0.914681	7.52779	7.79268
0.0423533	0.991823	8.18315	8.11728
0.0525933	1.05802	8.83851	8.42926
0.0628333	1.11679	9.49387	8.73020
0.0730733	1.17007	10.8046	9.30266
0.0833133	1.21898	12.1153	9.84209
0.0935533	1.26439	13.4260	10.3534
0.103793	1.30716	14.7368	10.8403
0.216433	1.67347	16.0475	11.3065
0.318833	1.92432	18.6689	12.1835
0.400753	2.09710	21.2904	13.0017
0.523633	2.32733	23.9118	13.7734
0.646513	2.53328	26.5332	14.5031
0.728433	2.66069	29.1547	15.1983
0.810353	2.78145	31.7761	15.8624
0.892273	2.89692	34.3976	16.5005
0.974193	3.00759	37.0190	17.1146
1.05611	3.11421	39.6404	17.7075
1.95723	4.10279	44.8833	18.8372
2.94027	4.95938	50.1262	19.9031
3.59563	5.45546	55.3691	20.9147
4.25099	5.90895	60.6120	21.8793
4.90635	6.32976		

22. $\mathbf{Pr} = 0.008$, $c\Delta T/h_{fg} = 0.010$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.025	5.44959	3.86608
0.0108680	0.495050	6.10495	4.07195
0.0223880	0.599944	6.76031	4.26757
0.0300680	0.649668	7.41567	4.45472
0.0428680	0.715911	8.07103	4.63421
0.0531080	0.759756	8.72639	4.80709
0.0633480	0.798237	9.38175	4.97386
0.0735880	0.832780	10.6925	5.29181
0.0838280	0.864288	12.0032	5.59183
0.0940680	0.893437	13.3139	5.87616
0.104308	0.920591	14.6246	6.14748
0.206708	1.12906	15.9353	6.40717
0.288628	1.25303	17.2461	6.65694
0.370548	1.35784	18.5568	6.89753
0.493428	1.49308	21.1782	7.35542
0.534388	1.53402	23.7997	7.78664
0.616308	1.61100	26.4211	8.19458
0.698228	1.68294	29.0425	8.58343
0.780148	1.75060	31.6640	8.95517
0.862068	1.81461	34.2854	9.31240
0.943988	1.87568	36.9069	9.65620
1.02591	1.93420	42.1497	10.3100
1.84511	2.42681	47.3926	10.9251
2.82815	2.89597	52.6355	11.5063
3.81119	3.29466	57.8784	12.0600
4.79423	3.64846	63.1213	12.5889

23. $\text{Pr} = 0.008$, $\text{Ca}\Gamma/\text{h}_{\text{fg}} = 0.003$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.020	5.02466	2.24326
0.0109041	0.362729	5.68002	2.35454
0.0224241	0.457034	6.33538	2.45998
0.0301041	0.471962	6.99074	2.56002
0.0429041	0.518037	7.64610	2.65633
0.0531441	0.548283	8.30146	2.74876
0.0633841	0.574634	8.95682	2.83804
0.0787441	0.609082	10.2675	3.00780
0.0889840	0.629507	11.5783	3.16799
0.0992240	0.648351	12.8890	3.32041
0.109464	0.665951	14.1997	3.46569
0.211864	0.799616	15.5104	3.60503
0.314264	0.894494	16.8211	3.73899
0.437144	0.985221	18.1319	3.86832
0.519064	1.03684	19.4426	3.99339
0.600984	1.08369	22.0640	4.23245
0.682904	1.12681	24.6855	4.45876
0.764824	1.16691	27.3069	4.67378
0.846744	1.20455	29.9283	4.87941
0.928664	1.24011	35.1712	5.26601
1.01058	1.27387	40.4141	5.62570
1.91170	1.57299	45.6570	5.96495
2.73090	1.78327	50.8999	6.28555
3.71394	1.99681	56.1427	6.59062
4.36930	2.12395	61.3856	6.88175

24. $Pr = 0.008$, $c\Delta T/h_{fg} = 0.001$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.015	5.59547	1.56037
0.0108303	0.273407	6.25083	1.62109
0.0223503	0.328922	6.90619	1.67878
0.0300303	0.354813	7.56155	1.73346
0.0402703	0.382567	8.21691	1.78590
0.0505103	0.405687	9.52763	1.88456
0.0607503	0.425602	10.8383	1.97675
0.0761103	0.451309	12.1491	2.06391
0.0863503	0.466472	13.4598	2.14640
0.0965903	0.480388	14.7705	2.22523
0.106830	0.493273	16.0812	2.30073
0.209230	0.589596	17.3919	2.37350
0.311630	0.656370	18.7027	2.44373
0.434510	0.719176	20.0134	2.51173
0.516430	0.754420	22.6348	2.64181
0.598350	0.786134	25.2563	2.76519
0.680270	0.815092	27.8777	2.88284
0.762190	0.841828	30.4991	2.99551
0.844110	0.866762	33.1206	3.10388
0.926030	0.890171	38.3635	3.30995
1.00795	0.912269	43.6063	3.50273
1.99099	1.11757	48.8492	3.68581
2.97403	1.26649	54.0921	3.85976
3.95707	1.38905	59.3350	4.02630
4.94011	1.49559	64.5779	4.18598

25. $\mathbf{Pr} = 0.008$, $\mathbf{cAT/h_{fg}} = 2 \times 10^{-4}$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.010	5.21716	0.921674
0.0101243	0.179014	5.87252	0.954075
0.0203643	0.213481	6.52788	0.984303
0.0306043	0.236648	7.18324	1.01256
0.0408443	0.254586	7.83860	1.03934
0.0510843	0.269475	9.14932	1.08878
0.0613243	0.282274	10.4600	1.13415
0.0766843	0.298808	11.7708	1.17646
0.0869243	0.308480	13.0815	1.21593
0.0971643	0.317405	14.3922	1.25322
0.107404	0.325638	15.7029	1.28849
0.220044	0.391573	17.0136	1.32222
0.301964	0.424981	18.3244	1.35446
0.424844	0.464515	19.6351	1.38546
0.506764	0.486468	22.2565	1.44410
0.629644	0.515065	24.8780	1.49911
0.711564	0.531994	27.4994	1.55108
0.793484	0.547644	30.1208	1.60043
0.875404	0.562150	32.7423	1.64757
0.957324	0.575744	35.3637	1.69278
1.03924	0.588528	40.6066	1.77858
1.94036	0.697195	45.8495	1.85879
2.92340	0.781134	51.0924	1.93438
3.90644	0.848240	56.3352	2.00623
4.56180	0.886655	61.5781	2.07502

26. $P_z = 0.008$, $c\Delta T/h_{fg} = 4 \times 10^{-5}$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.007	6.02410	0.612384
0.0106630	0.121032	6.67946	0.629689
0.0209030	0.143308	7.33482	0.645872
0.0337030	0.161567	7.99018	0.661102
0.0439430	0.172712	8.64554	0.675485
0.0541830	0.182082	9.95626	0.702176
0.0644230	0.190187	11.2670	0.726548
0.0746630	0.197393	12.5777	0.749043
0.0849030	0.203899	13.8884	0.770059
0.0951430	0.209843	15.1991	0.789789
0.105383	0.215335	16.5099	0.808433
0.207783	0.255694	17.8206	0.826091
0.330663	0.287859	20.4420	0.859072
0.412583	0.304554	23.0635	0.889399
0.535463	0.325464	25.6849	0.917485
0.617383	0.337524	28.3063	0.943853
0.699303	0.348512	30.9278	0.968694
0.781223	0.358560	33.5492	0.992293
0.863143	0.367861	36.1707	1.01472
0.945063	0.376543	38.7921	1.03617
1.02698	0.384715	44.0350	1.07649
1.92810	0.452986	49.2779	1.11402
2.74730	0.497015	54.5207	1.14922
3.73034	0.538845	59.7636	1.18241
4.71338	0.573465	65.0065	1.21394
5.36874	0.593790		

27. $\mathbf{Pr} = 0.003$, $c\Delta T/h_{fg} = 0.150$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.035	2.79388	16.1826
0.000438384	0.554574	3.77692	18.7981
0.00379838	1.01293	4.10460	19.5924
0.0111584	1.41891	4.75996	21.0979
0.0213984	1.77576	5.41532	22.4990
0.0341984	2.11419	6.07068	23.8154
0.0444384	2.34062	6.72604	25.0614
0.0546784	2.54420	7.38140	26.2518
0.0649184	2.73069	8.03676	27.3879
0.0751584	2.90406	9.34748	29.5344
0.0802784	2.98666	10.6582	31.5353
0.0905184	3.14500	11.9689	33.4061
0.100758	3.29538	13.2796	35.1838
0.213398	4.62963	14.5904	36.8741
0.336278	5.73798	15.9011	38.4958
0.418198	6.36994	17.2118	40.0478
0.500118	6.94407	18.5225	41.5433
0.582038	7.47413	21.1440	44.3791
0.663958	7.96902	23.7654	47.0442
0.745878	8.43503	25.0761	48.3233
0.827798	8.87589	25.7315	48.9500
0.909718	9.29609	26.0592	49.2604
0.991638	9.69779	26.1411	49.3377
1.07356	10.0838	26.2230	49.4148
1.97468	13.6242	28.8035	49.3988

28. $\mathbf{Pr} = 0.003$, $c\Delta T/h_{fg} = 0.068$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.035	4.95943	14.7985
0.00102842	0.567876	5.61479	15.7417
0.0109484	1.10758	6.27015	16.6294
0.0211884	1.36398	7.58087	18.2836
0.0339884	1.59834	8.89159	19.7918
0.0442284	1.75338	10.2023	21.1913
0.0544684	1.89102	11.5130	22.5074
0.0647084	2.01631	12.8237	23.7497
0.0749484	2.13233	14.1345	24.9305
0.0851884	2.24903	16.7559	27.1313
0.0954284	2.34358	19.3773	29.1661
0.105668	2.44121	21.9988	31.0774
0.208068	3.24581	24.6202	32.8756
0.330948	3.99514	27.2417	34.5800
0.412868	4.42324	29.8631	36.2019
0.535748	4.99683	32.4845	37.7564
0.617668	5.34503	35.1060	39.2489
0.699588	5.67163	37.7274	40.6871
0.781508	5.98036	40.3489	42.0758
0.863428	6.27396	45.5917	44.7251
1.02727	6.82698	50.8346	47.2263
1.35495	7.80743	53.4561	48.4276
1.84647	9.08475	54.7668	49.0173
2.99335	11.5266	55.4221	49.3095
3.64871	12.7124	60.7469	49.3672

29. $P_r = 0.003$, $C\Delta T/h_{fg} = 0.032$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.035	3.85714	9.08009
0.00114212	0.480132	4.84018	10.1538
0.0107421	0.884623	5.49554	10.8103
0.0222621	1.09732	6.15090	11.4287
0.0325021	1.23396	6.80626	12.0157
0.0427421	1.34704	7.46162	12.5756
0.0529821	1.44583	8.11698	13.1114
0.0632221	1.53451	9.42770	14.1215
0.0734621	1.61585	10.7384	15.0629
0.0888221	1.72733	12.0491	15.9514
0.0990621	1.79624	13.3599	16.7921
0.109302	1.86165	14.6706	17.5929
0.211702	2.39814	15.9813	18.3578
0.334582	2.89726	18.6027	19.8018
0.416502	3.18304	21.2242	21.1483
0.539382	3.56792	23.8456	22.4113
0.662262	3.91412	26.4671	23.6075
0.744182	4.12866	31.7099	25.8365
0.826102	4.33255	36.9528	27.8752
0.908022	4.52706	42.1957	29.7816
0.989942	4.71353	47.4386	31.5760
1.07186	4.89285	52.6815	33.2751
1.39954	5.55243	57.9243	34.8873
1.89106	6.41545	63.1672	36.4313
2.87410	7.86094		

30. $\text{Pr} = 0.003$, $\text{c}\Delta T/h_{fg} = 0.006$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.030	5.23046	4.71764
0.0106241	0.557486	5.88582	4.98694
0.0208041	0.668558	6.54118	5.24247
0.0311041	0.746381	7.19654	5.48633
0.0439041	0.822191	7.85190	5.71962
0.0541441	0.872878	9.16262	6.15996
0.0695041	0.938269	10.4733	6.57046
0.0797441	0.976721	11.7841	6.95648
0.0899841	1.01246	13.0948	7.32276
0.100224	1.04564	14.4055	7.67129
0.212864	1.32178	15.7162	8.00484
0.315264	1.50502	17.0269	8.32479
0.397184	1.62919	19.6484	8.93122
0.479104	1.74075	22.2698	9.49944
0.561024	1.84332	24.8913	10.0345
0.642944	1.93768	27.5127	10.5426
0.724864	2.02658	30.1341	11.0272
0.806784	2.11076	32.7556	11.4918
0.888704	2.19110	35.3770	11.9380
0.970624	2.26788	40.6199	12.7845
1.13446	2.41304	45.8628	13.5786
1.95366	3.02505	51.1057	14.3274
2.93670	3.61863	56.3485	15.0393
3.91974	4.12589	61.5914	15.7189
4.57510	4.43247		

31. $\mathbf{Pr} = 0.003$, $c\Delta T/h_{fg} = 0.001$, $\gamma = 0$

ζ	Y	ζ	Y
0.	0.020	4.81223	2.10684
0.0109534	0.352392	5.46759	2.21342
0.0224734	0.424125	6.12295	2.31417
0.0301534	0.458093	6.77831	2.41000
0.0403934	0.494386	7.43367	2.50157
0.0506334	0.524772	8.08903	2.58949
0.0608734	0.551044	9.39975	2.75578
0.0711134	0.574337	10.7105	2.91173
0.0813534	0.595364	12.0212	3.05966
0.0915934	0.614649	13.3319	3.20031
0.101833	0.632527	14.6426	3.33476
0.204233	0.765697	15.9534	3.46373
0.306633	0.858914	18.5748	3.70819
0.388553	0.919603	21.1962	3.93716
0.470473	0.972585	23.8177	4.15305
0.552393	1.01994	26.4391	4.35845
0.634313	1.06298	29.0606	4.55455
0.716233	1.10305	31.6820	4.74254
0.798153	1.14031	34.3034	4.92324
0.880073	1.17539	39.5463	5.26623
0.961993	1.20842	44.7892	5.58802
1.04391	1.23999	50.0321	5.89225
1.86311	1.49825	55.2750	6.18161
2.84615	1.73506	65.7607	6.72633
3.82919	1.93275		

32. $Pr = 0.003$, $C\Delta T/h_{fg} = 4 \times 10^{-5}$, $\gamma = 0$

ξ	Y	ξ	Y
0.	0.010	4.93944	0.759029
0.0101633	0.152945	5.59480	0.785983
0.0216833	0.185070	6.25016	0.810901
0.0344833	0.208002	6.90552	0.834010
0.0447233	0.222118	8.21624	0.876644
0.0549633	0.234022	9.52696	0.915028
0.0652033	0.244371	10.8377	0.949819
0.0754433	0.253561	12.1484	0.982186
0.0856833	0.261912	13.4591	1.01247
0.0959233	0.269539	14.7698	1.04103
0.106163	0.276577	16.0806	1.06802
0.208563	0.328564	18.7020	1.11832
0.310963	0.363903	21.3234	1.16453
0.433843	0.396634	23.9449	1.20721
0.515763	0.414775	26.5663	1.24739
0.597683	0.430958	29.1878	1.28529
0.679603	0.445619	31.8092	1.32144
0.761523	0.459053	34.4306	1.35582
0.843443	0.471498	37.0521	1.38880
0.925363	0.483107	42.2950	1.45093
1.00728	0.493997	47.5378	1.50898
1.99032	0.592114	52.7807	1.56385
2.97336	0.660046	58.0236	1.61576
3.62872	0.697004	63.2665	1.66531
4.28408	0.729499		

APPENDIX C

Tabulation of Data for Cases in
Which Dissipation is Included

In this appendix, the detailed computational results are presented, and the following nomenclature is observed:

$$A = c\Delta T/h_{fg}$$

$$B = \mu c/k$$

$$EPS = g(\rho - \rho_v)/\sigma B_0 E_0$$

$$GAM = (E_0/B_0)^2/h_{fg}$$

$$X = \xi$$

$$Y = Y$$

$$NUC = Nu_{x,c} [\rho E_0 (1 + \epsilon) / B_0^2 (\sigma \mu)^{1/2}]^{-1}$$

$$NUW = Nu_{x,w} [\rho E_0 (1 + \epsilon) / B_0^2 (\sigma \mu)^{1/2}]^{-1}$$

$$ETAMO = \eta M_0$$

$$NURATIO = Nu_{x,c} / Nu_{x,0}$$

$$DY/DX = dY/d\xi$$

A = 10.0000E-04

B = 3.0000E-03

EPS = 0.

GAM = 10.0000E-03

X	Y	NUC	NUW	ETAMO	NURATIO	DY/DX
0.	4.0000E-03	0.	0.	8.3334E 03	0.	5.1673E 06
10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	8.3227E 03	0.	5.2596E 06
2.0000E-12	4.0105E-03	4.9869E-10	4.9869E-10	8.3116E 03	0.	5.0709E 06
3.0000E-12	4.0154E-03	7.4711E-10	7.4711E-10	8.3013E 03	0.	5.1458E 06
4.0000E-12	4.0206E-03	9.9487E-10	9.9487E-10	8.2906E 03	0.	5.2510E 06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	8.2685E 03	0.	5.1792E 06
8.0000E-12	4.0417E-03	1.9794E-09	1.9794E-09	8.2474E 03	0.	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	8.2270E 03	0.	4.9651E 06
1.4000E-11	4.0711E-03	3.4389E-09	3.4389E-09	8.1878E 03	0.	4.9653E 06
2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	8.1087E 03	0.	4.7986E 06
3.0000E-11	4.1486E-03	7.2314E-09	7.2314E- 9	8.0350E 03	0.	4.7803E 06
3.8000E-11	4.1867E-03	9.0763E-09	9.0763E-09	7.9617E 03	0.	4.5731E 06
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	7.8955E 03	0.	4.4351E 06
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	7.8303E 03	0.	4.3283E 06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	7.7677E 03	0.	4.2018E 06
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	7.7083E 03	0.	4.2010E 06
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	7.5904E 03	0.	3.9503E 06
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-08	7.4889E 03	0.	3.7471E 06
1.1800E-10	4.5098E-03	2.6165E-08	2.6166E-08	7.3915E 03	0.	3.6882E 06
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-08	7.2943E 03	0.	3.4591E 06
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	7.2116E 03	0.	3.3607E 06
1.6600E-10	4.6752E-03	3.5506E-08	3.5507E-08	7.1299E 03	0.	3.3017E 06
1.8200E-10	4.7278E-03	3.8496E-08	3.8496E-08	7.0505E 03	0.	3.1505E 06
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-08	6.9788E 03	0.	3.1024E 06
2.1400E-10	4.8257E-03	4.4346E-08	4.4346E-08	6.9076E 03	0.	2.9943E 06
2.3000E-10	4.8723E-03	4.7206E-08	4.7206E-08	6.8415E 03	0.	2.8467E 06
2.4600E-10	4.9165E-03	5.0035E-08	5.0035E-08	6.7799E 03	0.	2.8071E 06
2.6200E-10	4.9611E-03	5.2811E-08	5.2811E-08	6.7190E 03	0.	2.7192E 06
2.7800E-10	5.0036E-03	5.5560E-08	5.5560E-08	6.6619E 03	0.	2.6614E 06
2.9400E-10	5.0459E-03	5.8265E-08	5.8265E-08	6.6061E 03	0.	2.6123E 06
3.1000E-10	5.0874E-03	6.0935E-08	6.0935E-08	6.5522E 03	0.	2.5540E 06
3.2600E-10	5.1277E-03	6.3576E-08	6.3576E-08	6.5007E 03	0.	2.4836E 06
3.5800E-10	5.2044E-03	6.8788E-08	6.8788E-08	6.4049E 03	0.	2.3561E 06
4.2200E-10	5.3471E-03	7.8921E-08	7.8921E-08	6.2340E 03	0.	2.1933E 06
4.8600E-10	5.4869E-03	8.8575E-08	8.8575E-08	6.0752E 03	0.	2.0214E 06
5.5000E-10	5.6105E-03	9.8030E-08	9.8030E-08	5.9413E 03	0.	1.8917E 06
6.1400E-10	5.7286E-03	1.0718E-07	1.0718E-07	5.8189E 03	0.	1.7736E 06
6.7800E-10	5.8386E-03	1.1612E-07	1.1612E-07	5.7092E 03	0.	1.6701E 06
7.4200E-10	5.9426E-03	1.2486E-07	1.2486E-07	5.6093E 03	0.	1.5868E 06
8.0600E-10	6.0423E-03	1.3339E-07	1.3339E-07	5.5168E 03	0.	1.5267E 06
8.7000E-10	6.1387E-03	1.4172E-07	1.4172E-07	5.4301E 03	0.	1.4460E 06
9.3400E-10	6.2281E-03	1.4997E-07	1.4997E-07	5.3522E 03	0.	1.3859E 06
9.9800E-10	6.3154E-03	1.5803E-07	1.5803E-07	5.2782E 03	0.	1.3254E 06
1.1260E-09	6.4773E-03	1.7384E-07	1.7384E-07	5.1463E 03	0.	1.2236E 06
1.2540E-09	6.6284E-03	1.8919E-07	1.8919E-07	5.0290E 03	0.	1.1456E 06
1.3820E-09	6.7716E-03	2.0409E-07	2.0409E-07	4.9226E 03	0.	1.0693E 06
1.5100E-09	6.9036E-03	2.1873E-07	2.1873E-07	4.8285E 03	0.	1.0131E 06
1.6380E-09	7.0317E-03	2.3295E-07	2.3295E-07	4.7405E 03	0.	9.5802E 05
1.7660E-09	7.1508E-03	2.4696E-07	2.4696E-07	4.6615E 03	0.	9.0970E 05
1.8940E-09	7.2648E-03	2.6071E-07	2.6071E-07	4.5884E 03	0.	8.6840E 05
2.1500E-09	7.4787E-03	2.8748E-07	2.8748E-07	4.4572E 03	0.	7.9535E 05
2.4060E-09	7.6738E-03	3.1354E-07	3.1354E-07	4.3439E 03	0.	7.3687E 05
2.6620E-09	7.8563E-03	3.3884E-07	3.3884E-07	4.2430E 03	0.	6.8919E 05
2.9180E-09	8.0272E-03	3.6351E-07	3.6351E-07	4.1526E 03	0.	6.4402E 05
3.1740E-09	8.1852E-03	3.8777E-07	3.8778E-07	4.0725E 03	0.	6.0926E 05
3.4300E-09	8.3385E-03	4.1134E-07	4.1134E-07	3.9976E 03	0.	5.7624E 05
3.6860E-09	8.4820E-03	4.3457E-07	4.3457E-07	3.9300E 03	0.	5.4734E 05

3.9420E-09	8.6191E-03	4.5735E-07	4.5736E-07	3.8675E 03	0.	5.1979E 05
4.1980E-09	8.7488E-03	4.7984E-07	4.7984E-07	3.8102E 03	0.	4.9758E 05
4.4540E-09	8.8743E-03	5.0190E-07	5.0190E-07	3.7563E 03	0.	4.7707E 05
4.7100E-09	8.9940E-03	5.2368E-07	5.2368E-07	3.7063E 03	0.	4.5794E 05
4.9660E-09	9.1089E-03	5.4518E-07	5.4518E-07	3.6595E 03	0.	4.4155E 05
5.2220E-09	9.2202E-03	5.6636E-07	5.6636E-07	3.6153E 03	0.	4.2537E 05
5.4780E-09	9.3271E-03	5.8732E-07	5.8732E-07	3.5739E 03	0.	4.1119E 05
5.7340E-09	9.4309E-03	6.0800E-07	6.0800E-07	3.5346E 03	0.	3.9735E 05
5.9900E-09	9.5309E-03	6.2848E-07	6.2848E-07	3.4975E 03	0.	3.8525E 05
6.2460E-09	9.6283E-03	6.4871E-07	6.4871E-07	3.4621E 03	0.	3.7349E 05
6.5020E-09	9.7224E-03	6.6876E-07	6.6876E-07	3.4286E 03	0.	3.6223E 05
7.0140E-09	9.9026E-03	7.0830E-07	7.0830E-07	3.3662E 03	0.	3.4312E 05
7.5260E-09	1.0075E-02	7.4700E-07	7.4701E-07	3.3087E 03	0.	3.2562E 05
8.0380E-09	1.0237E-02	7.8515E-07	7.8516E-07	3.2561E 03	0.	3.1068E 05
8.5500E-09	1.0393E-02	8.2263E-07	8.2264E-07	3.2073E 03	0.	2.9686E 05
9.0620E-09	1.0542E-02	8.5960E-07	8.5960E-07	3.1620E 03	0.	2.8459E 05
9.5740E-09	1.0685E-02	8.9601E-07	8.9601E-07	3.1197E 03	0.	2.7299E 05
1.0086E-08	1.0822E-02	9.3198E-07	9.3199E-07	3.0802E 03	0.	2.6301E 05
1.0598E-08	1.0955E-02	9.6744E-07	9.6744E-07	3.0430E 03	0.	2.5350E 05
1.1110E-08	1.1082E-02	1.0025E-06	1.0025E-06	3.0080E 03	0.	2.4467E 05
1.1622E-08	1.1205E-02	1.0372E-06	1.0372E-06	2.9749E 03	0.	2.3690E 05
1.2134E-08	1.1325E-02	1.0714E-06	1.0714E-06	2.9435E 03	0.	2.2936E 05
1.2646E-08	1.1441E-02	1.1054E-06	1.1054E-06	2.9137E 03	0.	2.2256E 05
1.3158E-08	1.1553E-02	1.1389E-06	1.1389E-06	2.8854E 03	0.	2.1608E 05
1.3670E-08	1.1662E-02	1.1722E-06	1.1722E-06	2.8584E 03	0.	2.1020E 05
1.4182E-08	1.1768E-02	1.2051E-06	1.2051E-06	2.8326E 03	0.	2.0445E 05
1.4694E-08	1.1872E-02	1.2377E-06	1.2377E-06	2.8080E 03	0.	1.9930E 05
1.5206E-08	1.1973E-02	1.2701E-06	1.2701E-06	2.7843E 03	0.	1.9415E 05
1.6230E-08	1.2166E-02	1.3340E-06	1.3340E-06	2.7400E 03	0.	1.8512E 05
1.7254E-08	1.2352E-02	1.3969E-06	1.3969E-06	2.6988E 03	0.	1.7686E 05
1.8278E-08	1.2529E-02	1.4588E-06	1.4589E-06	2.6606E 03	0.	1.6944E 05
1.9302E-08	1.2699E-02	1.5199E-06	1.5200E-06	2.6250E 03	0.	1.6272E 05
2.0326E-08	1.2863E-02	1.5802E-06	1.5803E-06	2.5916E 03	0.	1.5660E 05
2.1350E-08	1.3020E-02	1.6398E-06	1.6398E-06	2.5603E 03	0.	1.5103E 05
2.2398E-08	1.3319E-02	1.7567E-06	1.7567E-06	2.5028E 03	0.	1.4105E 05
2.7494E-08	1.3860E-02	1.9837E-06	1.9837E-06	2.4052E 03	0.	1.2518E 05
3.1590E-08	1.4346E-02	2.2020E-06	2.2020E-06	2.3237E 03	0.	1.1288E 05
3.5686E-08	1.4789E-02	2.4130E-06	2.4130E-06	2.2541E 03	0.	1.0302E 05
3.9782E-08	1.5194E-02	2.6183E-06	2.6184E-06	2.1941E 03	0.	9.5010E 04
4.3878E-08	1.5569E-02	2.8183E-06	2.8183E-06	2.1412E 03	0.	8.8321E 04
4.7974E-08	1.5918E-02	3.0138E-06	3.0139E-06	2.0943E 03	0.	8.2630E 04
5.2070E-08	1.6247E-02	3.2049E-06	3.2049E-06	2.0518E 03	0.	7.7712E 04
5.6166E-08	1.6557E-02	3.3924E-06	3.3924E-06	2.0135E 03	0.	7.3435E 04
6.4358E-08	1.7129E-02	3.7573E-06	3.7573E-06	1.9462E 03	0.	6.6317E 04
7.2550E-08	1.7647E-02	4.1111E-06	4.1112E-06	1.8891E 03	0.	6.0639E 04
8.0742E-08	1.8123E-02	4.4551E-06	4.4552E-06	1.8395E 03	0.	5.5989E 04
8.8934E-08	1.8566E-02	4.7902E-06	4.7903E-06	1.7956E 03	0.	5.2081E 04
9.7126E-08	1.8978E-02	5.1178E-06	5.1178E-06	1.7566E 03	0.	4.8758E 04
1.1351E-07	1.9734E-02	5.7521E-06	5.7522E-06	1.6894E 03	0.	4.3371E 04
1.2989E-07	2.0411E-02	6.3638E-06	6.3639E-06	1.6333E 03	0.	3.9194E 04
1.4628E-07	2.1020E-02	6.9591E-06	6.9591E-06	1.5860E 03	0.	3.5889E 04
1.6266E-07	2.1586E-02	7.5354E-06	7.5355E-06	1.5444E 03	0.	3.3138E 04
1.7905E-07	2.2109E-02	8.0984E-06	8.0986E-06	1.5080E 03	0.	3.0845E 04
1.9543E-07	2.2600E-02	8.6473E-06	8.6474E-06	1.4752E 03	0.	2.8876E 04
2.1181E-07	2.3058E-02	9.1860E-06	9.1861E-06	1.4459E 03	0.	2.7188E 04
2.2820E-07	2.3491E-02	9.7140E-06	9.7142E-06	1.4192E 03	0.	2.5713E 04
2.4458E-07	2.3902E-02	1.0233E-05	1.0233E-05	1.3949E 03	0.	2.4412E 04
2.6097E-07	2.4292E-02	1.0743E-05	1.0743E-05	1.3725E 03	0.	2.3254E 04
2.9373E-07	2.5020E-02	1.1740E-05	1.1740E-05	1.3325E 03	0.	2.1282E 04
3.2650E-07	2.5691E-02	1.2709E-05	1.2709E-05	1.2978E 03	0.	1.9659E 04
3.5927E-07	2.6312E-02	1.3654E-05	1.3654E-05	1.2671E 03	0.	1.8300E 04
3.9204E-07	2.6892E-02	1.4578E-05	1.4578E-05	1.2398E 03	0.	1.7140E 04

4.2481E-07	2.7437E-02	1.5483E-05	1.5483E-05	1.2152E 03	0.	1.6141E 04
4.9034E-07	2.8441E-02	1.7241E-05	1.7241E-05	1.1723E 03	0.	1.4492E 04
5.5588E-07	2.9348E-02	1.8941E-05	1.8941E-05	1.1361E 03	0.	1.3189E 04
6.2141E-07	3.0174E-02	2.0594E-05	2.0595E-05	1.1050E 03	0.	1.2136E 04
6.8695E-07	3.0940E-02	2.2202E-05	2.2203E-05	1.0777E 03	0.	1.1257E 04
7.5249E-07	3.1652E-02	2.3773E-05	2.3774E-05	1.0535E 03	0.	1.0515E 04
8.1802E-07	3.2322E-02	2.5308E-05	2.5309E-05	1.0316E 03	0.	9.8745E 03
8.8356E-07	3.2950E-02	2.6814E-05	2.6815E-05	1.0120E 03	0.	9.3208E 03
9.4909E-07	3.3546E-02	2.8292E-05	2.8293E-05	9.9403E 02	0.	8.8334E 03
1.0146E-06	3.4110E-02	2.9745E-05	2.9746E-05	9.7760E 02	0.	8.4024E 03
1.0802E-06	3.4648E-02	3.1175E-05	3.1176E-05	9.6243E 02	0.	8.0175E 03
1.2112E-06	3.5653E-02	3.3972E-05	3.3973E-05	9.3531E 02	0.	7.3584E 03
1.3423E-06	3.6580E-02	3.6694E-05	3.6696E-05	9.1163E 02	0.	6.8133E 03
1.4734E-06	3.7443E-02	3.9349E-05	3.9350E-05	8.9063E 02	0.	6.3530E 03
1.6045E-06	3.8249E-02	4.1946E-05	4.1948E-05	8.7188E 02	0.	5.9602E 03
1.8666E-06	3.9727E-02	4.6984E-05	4.6987E-05	8.3948E 02	0.	5.3198E 03
2.1287E-06	4.1051E-02	5.1855E-05	5.1858E-05	8.1244E 02	0.	4.8220E 03
2.3909E-06	4.2257E-02	5.6578E-05	5.6581E-05	7.8927E 02	0.	4.4209E 03
2.6530E-06	4.3372E-02	6.1168E-05	6.1171E-05	7.6901E 02	0.	4.0891E 03
2.9152E-06	4.4409E-02	6.5641E-05	6.5645E-05	7.5107E 02	0.	3.8094E 03
3.1773E-06	4.5375E-02	7.0021E-05	7.0025E-05	7.3510E 02	0.	3.5714E 03
3.4395E-06	4.6284E-02	7.4310E-05	7.4314E-05	7.2068E 02	0.	3.3653E 03
3.7016E-06	4.7141E-02	7.8519E-05	7.8525E-05	7.0760E 02	0.	3.1853E 03
3.9637E-06	4.7955E-02	8.2652E-05	8.2658E-05	6.9560E 02	0.	3.0259E 03
4.4880E-06	4.9468E-02	9.0724E-05	9.0730E-05	6.7437E 02	0.	2.7571E 03
5.0123E-06	5.0855E-02	9.8557E-05	9.8565E-05	6.5600E 02	0.	2.5377E 03
5.5366E-06	5.2137E-02	1.0619E-04	1.0620E-04	6.3989E 02	0.	2.3553E 03
6.0609E-06	5.3330E-02	1.1364E-04	1.1365E-04	6.2561E 02	0.	2.2010E 03
7.1095E-06	5.5496E-02	1.2810E-04	1.2811E-04	6.0124E 02	0.	1.9535E 03
8.1581E-06	5.7429E-02	1.4205E-04	1.4206E-04	5.8104E 02	0.	1.7630E 03
9.2066E-06	5.9201E-02	1.5551E-04	1.5552E-04	5.6368E 02	0.	1.6096E 03
1.0255E-05	6.0821E-02	1.6860E-04	1.6862E-04	5.4870E 02	0.	1.4846E 03
1.1304E-05	6.2325E-02	1.8136E-04	1.8138E-04	5.3549E 02	0.	1.3798E 03
1.2352E-05	6.3716E-02	1.9385E-04	1.9388E-04	5.2383E 02	0.	1.2916E 03
1.3401E-05	6.5032E-02	2.0605E-04	2.0608E-04	5.1326E 02	0.	1.2149E 03
1.4490E-05	6.6269E-02	2.1803E-04	2.1806E-04	5.0371E 02	0.	1.1482E 03
1.5498E-05	6.7442E-02	2.2978E-04	2.2982E-04	4.9497E 02	0.	1.0895E 03
1.6547E-05	6.8555E-02	2.4134E-04	2.4138E-04	4.8695E 02	0.	1.0373E 03
1.7595E-05	6.9619E-02	2.5272E-04	2.5276E-04	4.7954E 02	0.	9.9063E 02
1.9692E-05	7.1608E-02	2.7498E-04	2.7502E-04	4.6625E 02	0.	9.1049E 02
2.1790E-05	7.3447E-02	2.9665E-04	2.9670E-04	4.5462E 02	0.	8.4397E 02
2.3887E-05	7.5157E-02	3.1780E-04	3.1785E-04	4.4431E 02	0.	7.8778E 02
2.5984E-05	7.6757E-02	3.3849E-04	3.3855E-04	4.3508E 02	0.	7.3964E 02
3.0178E-05	7.9686E-02	3.7868E-04	3.7875E-04	4.1915E 02	0.	6.6125E 02
3.4372E-05	8.2314E-02	4.1753E-04	4.1762E-04	4.0582E 02	0.	6.0007E 02
3.8567E-05	8.4731E-02	4.5512E-04	4.5522E-04	3.9430E 02	0.	5.5033E 02
4.2761E-05	8.6950E-02	4.9173E-04	4.9185E-04	3.8429E 02	0.	5.0938E 02
4.6955E-05	8.9016E-02	5.2743E-04	5.2755E-04	3.7541E 02	0.	4.7484E 02
5.1150E-05	9.0943E-02	5.6237E-04	5.6250E-04	3.6749E 02	0.	4.4539E 02
5.5344E-05	9.2759E-02	5.9656E-04	5.9672E-04	3.6034E 02	0.	4.1983E 02
6.3733E-05	9.6092E-02	6.6315E-04	6.6334E-04	3.4791E 02	0.	3.7780E 02
7.2121E-05	9.9121E-02	7.2750E-04	7.2771E-04	3.3734E 02	0.	3.4434E 02
8.0510E-05	1.0189E-01	7.9001E-04	7.9025E-04	3.2822E 02	0.	3.1710E 02
8.8898E-05	1.0445E-01	8.5093E-04	8.5121E-04	3.2022E 02	0.	2.9445E 02
9.7287E-05	1.0684E-01	9.1044E-04	9.1075E-04	3.1313E 02	0.	2.7526E 02
1.0568E-04	1.0908E-01	9.6865E-04	9.6899E-04	3.0675E 02	0.	2.5875E 02
1.2245E-04	1.1318E-01	1.0817E-03	1.0821E-03	2.9571E 02	0.	2.3174E 02
1.3923E-04	1.1687E-01	1.1911E-03	1.1916E-03	2.8646E 02	0.	2.1061E 02
1.5601E-04	1.2026E-01	1.2969E-03	1.2975E-03	2.7844E 02	0.	1.9337E 02
1.7278E-04	1.2338E-01	1.4001E-03	1.4007E-03	2.7147E 02	0.	1.7916E 02
1.8956E-04	1.2629E-01	1.5006E-03	1.5013E-03	2.6528E 02	0.	1.6714E 02
2.2312E-04	1.3155E-01	1.6956E-03	1.6965E-03	2.5479E 02	0.	1.4803E 02

2.5667E-04	1.3627E-01	1.8830E-03	1.8840E-03	2.4605E-02	0.	1.3327E-02
2.9022E-04	1.4055E-01	2.0643E-03	2.0655E-03	2.3865E-02	0.	1.2156E-02
3.2378E-04	1.4447E-01	2.2405E-03	2.2419E-03	2.3226E-02	0.	1.1202E-02
3.5733E-04	1.4808E-01	2.4124E-03	2.4140E-03	2.2668E-02	0.	1.0410E-02
3.9089E-04	1.5145E-01	2.5800E-03	2.5818E-03	2.2169E-02	0.	9.7348E-03
4.2444E-04	1.5461E-01	2.7442E-03	2.7461E-03	2.1723E-02	0.	9.1557E-03
4.5800E-04	1.5761E-01	2.9049E-03	2.9070E-03	2.1317E-02	0.	8.6496E-03
5.2511E-04	1.6311E-01	3.2182E-03	3.2207E-03	2.0610E-02	0.	7.8126E-03
5.9221E-04	1.6811E-01	3.5213E-03	3.5243E-03	2.0006E-02	0.	7.1431E-03
6.5932E-04	1.7272E-01	3.8156E-03	3.8189E-03	1.9462E-02	0.	6.5926E-03
7.2643E-04	1.7699E-01	4.1026E-03	4.1063E-03	1.9021E-02	0.	6.1334E-03
7.9354E-04	1.8097E-01	4.3828E-03	4.3870E-03	1.8611E-02	0.	5.7424E-03
8.6065E-04	1.8470E-01	4.6573E-03	4.6620E-03	1.8243E-02	0.	5.4060E-03
9.2776E-04	1.8823E-01	4.9262E-03	4.9313E-03	1.7908E-02	0.	5.1118E-03
1.0620E-03	1.9475E-01	5.4501E-03	5.4562E-03	1.7323E-02	0.	4.6233E-03
1.1962E-03	2.0069E-01	5.9570E-03	5.9640E-03	1.6822E-02	0.	4.2311E-03
1.3304E-03	2.0615E-01	6.4497E-03	6.4577E-03	1.6388E-02	0.	3.9093E-03
1.4646E-03	2.1121E-01	6.9301E-03	6.9391E-03	1.6006E-02	0.	3.6400E-03
1.5988E-03	2.1593E-01	7.3995E-03	7.4095E-03	1.5666E-02	0.	3.4107E-03
1.7331E-03	2.2037E-01	7.8588E-03	7.8699E-03	1.5359E-02	0.	3.2126E-03
2.0015E-03	2.2853E-01	8.7515E-03	8.7648E-03	1.4828E-02	0.	2.8873E-03
2.2699E-03	2.3591E-01	9.6144E-03	9.6299E-03	1.4379E-02	0.	2.6326E-03
2.5384E-03	2.4268E-01	1.0451E-02	1.0469E-02	1.3992E-02	0.	2.4215E-03
2.8068E-03	2.4894E-01	1.1265E-02	1.1285E-02	1.3653E-02	0.	2.2476E-03
3.0752E-03	2.5477E-01	1.2059E-02	1.2082E-02	1.3353E-02	0.	2.1007E-03
3.3437E-03	2.6023E-01	1.2836E-02	1.2861E-02	1.3084E-02	0.	1.9747E-03
3.6121E-03	2.6538E-01	1.3597E-02	1.3625E-02	1.2841E-02	0.	1.8651E-03
4.1490E-03	2.7489E-01	1.5077E-02	1.5110E-02	1.2417E-02	0.	1.6837E-03
4.6859E-03	2.8354E-01	1.6507E-02	1.6545E-02	1.2056E-02	0.	1.5389E-03
5.2227E-03	2.9149E-01	1.7896E-02	1.7939E-02	1.1743E-02	0.	1.4205E-03
5.7596E-03	2.9884E-01	1.9249E-02	1.9298E-02	1.1470E-02	0.	1.3219E-03
6.2965E-03	3.0570E-01	2.0570E-02	2.0624E-02	1.1227E-02	0.	1.2380E-03
6.8333E-03	3.1215E-01	2.1861E-02	2.1921E-02	1.1008E-02	0.	1.1657E-03
7.3702E-03	3.1824E-01	2.3126E-02	2.3192E-02	1.0810E-02	0.	1.1128E-03
8.4440E-03	3.2949E-01	2.5588E-02	2.5666E-02	1.0464E-02	0.	9.9811E-04
9.5177E-03	3.3971E-01	2.7972E-02	2.8062E-02	1.0171E-02	0.	9.1464E-04
1.0591E-02	3.4914E-01	3.0284E-02	3.0387E-02	9.9153E-03	0.	8.4586E-04
1.1665E-02	3.5791E-01	3.2535E-02	3.2651E-02	9.6906E-03	0.	7.8824E-04
1.3813E-02	3.7387E-01	3.6874E-02	3.7016E-02	9.3095E-03	0.	6.9651E-04
1.5960E-02	3.8806E-01	4.1044E-02	4.1212E-02	8.9982E-03	0.	6.2698E-04
1.8108E-02	4.0088E-01	4.5072E-02	4.5268E-02	8.7368E-03	0.	5.7226E-04
2.0255E-02	4.1269E-01	4.8968E-02	4.9193E-02	8.5110E-03	0.	5.2758E-04
2.2403E-02	4.2359E-01	5.2760E-02	5.3014E-02	8.3143E-03	0.	4.9057E-04
2.4550E-02	4.3380E-01	5.6452E-02	5.6735E-02	8.1397E-03	0.	4.5917E-04
2.6698E-02	4.4333E-01	6.0064E-02	6.0377E-02	7.9843E-03	0.	4.3235E-04
2.8845E-02	4.5237E-01	6.3592E-02	6.3936E-02	7.8433E-03	0.	4.0891E-04
3.0993E-02	4.6092E-01	6.7053E-02	6.7428E-02	7.7154E-03	0.	3.8838E-04
3.3140E-02	4.6906E-01	7.0449E-02	7.0854E-02	7.5982E-03	0.	3.7017E-04
3.7435E-02	4.8425E-01	7.7070E-02	7.7539E-02	7.3908E-03	0.	3.3930E-04
4.1730E-02	4.9824E-01	8.3487E-02	8.4021E-02	7.2118E-03	0.	3.1404E-04
4.6025E-02	5.1127E-01	8.9721E-02	9.0320E-02	7.0546E-03	0.	2.9288E-04
5.0320E-02	5.2345E-01	9.5798E-02	9.6464E-02	6.9152E-03	0.	2.7492E-04
5.4615E-02	5.3492E-01	1.0173E-01	1.0247E-01	6.7903E-03	0.	2.5942E-04
5.8910E-02	5.4576E-01	1.0754E-01	1.0834E-01	6.6776E-03	0.	2.4593E-04
6.3205E-02	5.5606E-01	1.1323E-01	1.1410E-01	6.5748E-03	0.	2.3402E-04
7.1795E-02	5.7526E-01	1.2430E-01	1.2531E-01	6.3940E-03	0.	2.1399E-04
8.0385E-02	5.9294E-01	1.3499E-01	1.3615E-01	6.2390E-03	0.	1.9771E-04
8.8975E-02	6.0933E-01	1.4537E-01	1.4667E-01	6.1042E-03	0.	1.8420E-04
9.7565E-02	6.2464E-01	1.5547E-01	1.5691E-01	5.9853E-03	0.	1.7278E-04
1.0615E-01	6.3904E-01	1.6532E-01	1.6691E-01	5.8793E-03	0.	1.6299E-04
1.1474E-01	6.5268E-01	1.7494E-01	1.7667E-01	5.7859E-03	0.	1.5447E-04
1.3192E-01	6.7796E-01	1.9357E-01	1.9561E-01	5.6184E-03	0.	1.4036E-04

1.4910E-01	7.0113E-01	2.1149E-01	2.1383E-01	5.4786E 01	0.	1.2908E 00
1.6628E-01	7.2252E-01	2.2883E-01	2.3147E-01	5.3588E 01	0.	1.1987E 00
1.8346E-01	7.4243E-01	2.4564E-01	2.4859E-01	5.2544E 01	0.	1.1218E 00
2.0064E-01	7.6111E-01	2.6199E-01	2.6525E-01	5.1622E 01	0.	1.0564E 00
2.1782E-01	7.7878E-01	2.7792E-01	2.8148E-01	5.0798E 01	0.	9.9996E-01
2.5218E-01	8.1146E-01	3.0868E-01	3.1287E-01	4.9387E 01	0.	9.0741E-01
2.8654E-01	8.4132E-01	3.3818E-01	3.4300E-01	4.8212E 01	0.	8.3430E-01
3.2090E-01	8.6893E-01	3.6659E-01	3.7203E-01	4.7212E 01	0.	7.7486E-01
3.5526E-01	8.9474E-01	3.9402E-01	4.0009E-01	4.6346E 01	0.	7.2534E-01
3.8962E-01	9.1892E-01	4.2065E-01	4.2735E-01	4.5590E 01	0.	6.8353E-01
4.2398E-01	9.4181E-01	4.4652E-01	4.5384E-01	4.4919E 01	0.	6.4757E-01
4.5834E-01	9.6348E-01	4.7175E-01	4.7968E-01	4.4320E 01	0.	6.1637E-01
4.9270E-01	9.8419E-01	4.9634E-01	5.0490E-01	4.3780E 01	0.	5.8888E-01
5.6142E-01	1.0230E 00	5.4392E-01	5.5371E-01	4.2844E 01	0.	5.4276E-01
6.3014E-01	1.0590E 00	5.8954E-01	6.0055E-01	4.2056E 01	0.	5.0532E-01
6.9886E-01	1.0926E 00	6.3351E-01	6.4572E-01	4.1381E 01	0.	4.7428E-01
7.6758E-01	1.1243E 00	6.7602E-01	6.8942E-01	4.0796E 01	0.	4.4807E-01
8.3630E-01	1.1543E 00	7.1722E-01	7.3181E-01	4.0282E 01	0.	4.2558E-01
9.0502E-01	1.1829E 00	7.5724E-01	7.7299E-01	3.9827E 01	0.	4.0603E-01
9.7374E-01	1.2102E 00	7.9619E-01	8.1309E-01	3.9420E 01	0.	3.8885E-01
1.1112E 00	1.2616E 00	8.7122E-01	8.9038E-01	3.8721E 01	0.	3.5999E-01
1.2486E 00	1.3094E 00	9.4289E-01	9.6425E-01	3.8143E 01	0.	3.3660E-01
1.3861E 00	1.3543E 00	1.0117E 00	1.0352E 00	3.7655E 01	0.	3.1720E-01
1.5235E 00	1.3968E 00	1.0779E 00	1.1035E 00	3.7237E 01	0.	3.0080E-01
1.6609E 00	1.4372E 00	1.1419E 00	1.1695E 00	3.6876E 01	0.	2.8672E-01
1.7984E 00	1.4757E 00	1.2038E 00	1.2335E 00	3.6560E 01	0.	2.7447E-01
2.0732E 00	1.5482E 00	1.3224E 00	1.3559E 00	3.6034E 01	0.	2.5415E-01
2.3481E 00	1.6156E 00	1.4348E 00	1.4721E 00	3.5614E 01	0.	2.3788E-01
2.6230E 00	1.6791E 00	1.5417E 00	1.5825E 00	3.5270E 01	0.	2.2445E-01
2.8979E 00	1.7392E 00	1.6441E 00	1.6883E 00	3.4986E 01	0.	2.1317E-01
3.1728E 00	1.7965E 00	1.7424E 00	1.7898E 00	3.4746E 01	0.	2.0352E-01
3.4476E 00	1.8512E 00	1.8371E 00	1.8877E 00	3.4543E 01	0.	1.9515E-01
3.9974E 00	1.9546E 00	2.0168E 00	2.0734E 00	3.4217E 01	0.	1.8125E-01
4.5472E 00	2.0512E 00	2.1857E 00	2.2479E 00	3.3970E 01	0.	1.7011E-01
5.0969E 00	2.1420E 00	2.3458E 00	2.4133E 00	3.3779E 01	0.	1.6097E-01
5.6467E 00	2.2283E 00	2.4978E 00	2.5704E 00	3.3627E 01	0.	1.5323E-01
6.1964E 00	2.3106E 00	2.6430E 00	2.7204E 00	3.3506E 01	0.	1.4659E-01
6.7462E 00	2.3897E 00	2.7821E 00	2.8639E 00	3.3406E 01	0.	1.4079E-01
7.2959E 00	2.4657E 00	2.9159E 00	3.0021E 00	3.3325E 01	0.	1.3569E-01
7.8457E 00	2.5390E 00	3.0448E 00	3.1352E 00	3.3258E 01	0.	1.3113E-01
8.9452E 00	2.6787E 00	3.2902E 00	3.3885E 00	3.3154E 01	0.	1.2332E-01
1.0045E 01	2.8107E 00	3.5210E 00	3.6266E 00	3.3079E 01	0.	1.1681E-01
1.1144E 01	2.9361E 00	3.7393E 00	3.8519E 00	3.3024E 01	0.	1.1128E-01
1.2244E 01	3.0557E 00	3.9473E 00	4.0664E 00	3.2984E 01	0.	1.0649E-01
1.3343E 01	3.1704E 00	4.1460E 00	4.2713E 00	3.2953E 01	0.	1.0229E-01
1.4443E 01	3.2808E 00	4.3365E 00	4.4679E 00	3.2929E 01	0.	9.8552E-02
1.6642E 01	3.4897E 00	4.6975E 00	4.8401E 00	3.2896E 01	0.	9.2193E-02
1.8841E 01	3.6869E 00	5.0338E 00	5.1867E 00	3.2876E 01	0.	8.6904E-02
2.1040E 01	3.8729E 00	5.3512E 00	5.5139E 00	3.2863E 01	0.	8.2433E-02
2.3239E 01	4.0500E 00	5.6520E 00	5.8240E 00	3.2854E 01	0.	7.8576E-02
2.5438E 01	4.2187E 00	5.9394E 00	6.1202E 00	3.2848E 01	0.	7.5213E-02
2.7637E 01	4.3808E 00	6.2140E 00	6.4032E 00	3.2844E 01	0.	7.2230E-02
3.2035E 01	4.6867E 00	6.7328E 00	6.9377E 00	3.2839E 01	0.	6.7174E-02
3.6433E 01	4.9730E 00	7.2163E 00	7.4360E 00	3.2837E 01	0.	6.3013E-02
4.0831E 01	5.2424E 00	7.6718E 00	7.9054E 00	3.2835E 01	0.	5.9514E-02
4.5229E 01	5.4972E 00	8.1043E 00	8.3511E 00	3.2834E 01	0.	5.6522E-02
4.9627E 01	5.7399E 00	8.5163E 00	8.7757E 00	3.2834E 01	0.	5.3920E-02
5.4025E 01	5.9719E 00	8.9108E 00	9.1822E 00	3.2834E 01	0.	5.1630E-02
5.8423E 01	6.1945E 00	9.2900E 00	9.5729E 00	3.2834E 01	0.	4.9595E-02
6.2821E 01	6.4086E 00	9.6557E 00	9.9497E 00	3.2834E 01	0.	4.7771E-02

A = 10.0000E-04

B = 3.0000E-03

EPS = 10.0000E-06

GAM = 10.0000E-03

X	Y	NUC	NUM	ETAMD	NURATIO	DY/DX
0.	4.0000E-03	0.	0.	8.3334E 03	0.	5.1673E 06
10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	6.5780E 03	4.7703E 00	5.2596E 06
2.0000E-12	4.0105E-03	4.9869E-10	4.9869E-10	6.8445E 03	5.6653E 00	5.0709E 06
3.0000E-12	4.0154E-03	7.4711E-10	7.4711E-10	6.9757E 03	6.2619E 00	5.1458E 06
4.0000E-12	4.0206E-03	9.9487E-10	9.9487E-10	7.0569E 03	6.7202E 00	5.2510E 06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	7.1537E 03	7.4172E 00	5.1792E 06
8.0000E-12	4.0417E-03	1.9794E-09	1.9794E-09	7.2100E 03	7.9501E 00	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	7.2459E 03	8.3854E 00	4.9651E 06
1.4000E-11	4.0711E-03	3.4389E-09	3.4389E-09	7.2859E 03	9.0778E 00	4.9653E 06
2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	7.3031E 03	1.0066E 01	4.7986E 06
3.0000E-11	4.1486E-03	7.2314E-09	7.2314E-09	7.2895E 03	1.0778E 01	4.7803E 06
3.8000E-11	4.1867E-03	9.0763E-09	9.0763E-09	7.2590E 03	1.1330E 01	4.5731E 06
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	7.2256E 03	1.1785E 01	4.4351E 06
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	7.1867E 03	1.2166E 01	4.3283E 06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	7.1459E 03	1.2493E 01	4.2018E 06
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	7.1052E 03	1.2779E 01	4.2010E 06
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	7.0175E 03	1.3248E 01	3.9503E 06
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-08	6.9399E 03	1.3641E 01	3.7471E 06
1.1800E-10	4.5098E-03	2.6165E-08	2.6165E-08	6.8621E 03	1.3963E 01	3.6882E 06
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-08	6.7815E 03	1.4225E 01	3.4591E 06
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	6.7131E 03	1.4466E 01	3.3607E 06
1.6600E-10	4.6752E-03	3.5506E-08	3.5506E-08	6.6438E 03	1.4669E 01	3.3017E 06
1.8200E-10	4.7278E-03	3.8496E-08	3.8496E-08	6.5755E 03	1.4843E 01	3.1505E 06
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-08	6.5137E 03	1.5005E 01	3.1024E 06
2.1400E-10	4.8257E-03	4.4346E-08	4.4346E-08	6.4514E 03	1.5143E 01	2.9943E 06
2.3000E-10	4.8723E-03	4.7206E-08	4.7206E-08	6.3935E 03	1.5271E 01	2.8467E 06
2.4600E-10	4.9165E-03	5.0035E-08	5.0035E-08	6.3394E 03	1.5390E 01	2.8071E 06
2.6200E-10	4.9611E-03	5.2811E-08	5.2811E-08	6.2853E 03	1.5494E 01	2.7192E 06
2.7800E-10	5.0036E-03	5.5560E-08	5.5560E-08	6.2347E 03	1.5592E 01	2.6614E 06
2.9400E-10	5.0459E-03	5.8265E-08	5.8265E-08	6.1847E 03	1.5679E 01	2.6123E 06
3.1000E-10	5.0874E-03	6.0935E-08	6.0935E-08	6.1364E 03	1.5758E 01	2.5540E 06
3.2600E-10	5.1277E-03	6.3576E-08	6.3576E-08	6.0901E 03	1.5832E 01	2.4836E 06
3.5800E-10	5.2044E-03	6.8788E-08	6.8788E-08	6.0038E 03	1.5968E 01	2.3561E 06
4.2200E-10	5.3471E-03	7.8921E-08	7.8921E-08	5.8490E 03	1.6195E 01	2.1933E 06
4.8600E-10	5.4869E-03	8.8575E-08	8.8575E-08	5.7036E 03	1.6349E 01	2.0214E 06
5.5000E-10	5.6105E-03	9.8030E-08	9.8030E-08	5.5810E 03	1.6491E 01	1.8917E 06
6.1400E-10	5.7286E-03	1.0718E-07	1.0718E-07	5.4684E 03	1.6602E 01	1.7736E 06
6.7800E-10	5.8386E-03	1.1612E-07	1.1612E-07	5.3673E 03	1.6698E 01	1.6701E 06
7.4200E-10	5.9426E-03	1.2486E-07	1.2486E-07	5.2750E 03	1.6780E 01	1.5868E 06
8.0600E-10	6.0423E-03	1.3339E-07	1.3339E-07	5.1893E 03	1.6848E 01	1.5267E 06
8.7000E-10	6.1387E-03	1.4172E-07	1.4172E-07	5.1089E 03	1.6903E 01	1.4460E 06
9.3400E-10	6.2281E-03	1.4997E-07	1.4997E-07	5.0366E 03	1.6959E 01	1.3859E 06
9.9800E-10	6.3154E-03	1.5803E-07	1.5803E-07	4.9678E 03	1.7004E 01	1.3254E 06
1.1260E-09	6.4773E-03	1.7384E-07	1.7384E-07	4.8451E 03	1.7087E 01	1.2236E 06
1.2540E-09	6.6284E-03	1.8919E-07	1.8919E-07	4.7358E 03	1.7153E 01	1.1456E 06
1.3820E-09	6.7716E-03	2.0409E-07	2.0409E-07	4.6365E 03	1.7203E 01	1.0693E 06
1.5100E-09	6.9036E-03	2.1873E-07	2.1873E-07	4.5486E 03	1.7252E 01	1.0131E 06
1.6380E-09	7.0317E-03	2.3295E-07	2.3295E-07	4.4663E 03	1.7285E 01	9.5802E 05
1.7660E-09	7.1508E-03	2.4696E-07	2.4696E-07	4.3924E 03	1.7320E 01	9.0970E 05
1.8940E-09	7.2648E-03	2.6071E-07	2.6071E-07	4.3239E 03	1.7349E 01	8.6840E 05
2.1500E-09	7.4787E-03	2.8748E-07	2.8748E-07	4.2010E 03	1.7396E 01	7.9535E 05
2.4060E-09	7.6738E-03	3.1354E-07	3.1354E-07	4.0948E 03	1.7437E 01	7.3687E 05
2.6620E-09	7.8563E-03	3.3884E-07	3.3884E-07	4.0001E 03	1.7468E 01	6.8919E 05
2.9180E-09	8.0272E-03	3.6351E-07	3.6351E-07	3.9152E 03	1.7493E 01	6.4402E 05
3.1740E-09	8.1852E-03	3.8777E-07	3.8778E-07	3.8401E 03	1.7520E 01	6.0926E 05
3.4300E-09	8.3385E-03	4.1134E-07	4.1134E-07	3.7696E 03	1.7535E 01	5.7624E 05
3.6860E-09	8.4820E-03	4.3457E-07	4.3457E-07	3.7061E 03	1.7551E 01	5.4734E 05
3.9420E-09	8.6191E-03	4.5735E-07	4.5736E-07	3.6473E 03	1.7564E 01	5.1979E 05
4.1980E-09	8.7488E-03	4.7984E-07	4.7984E-07	3.5934E 03	1.7578E 01	4.9758E 05
4.4540E-09	8.8743E-03	5.0190E-07	5.0190E-07	3.5427E 03	1.7588E 01	4.7707E 05
4.7100E-09	8.9940E-03	5.2368E-07	5.2368E-07	3.4957E 03	1.7598E 01	4.5794E 05

4.9660E-09	9.1089E-03	5.4518E-07	5.4518E-07	3.4517E 03	1.7608E 01	4.4155E 05
5.2220E-09	9.2202E-03	5.6636E-07	5.6636E-07	3.4101E 03	1.7615E 01	4.2537E 05
5.4780E-09	9.3271E-03	5.8732E-07	5.8732E-07	3.3711E 03	1.7623E 01	4.1119E 05
5.7340E-09	9.4309E-C3	6.0800E-07	6.0800E-07	3.3341E 03	1.7629E 01	3.9735E 05
5.9900E-09	9.5309E-03	6.2848E-07	6.2848E-07	3.2992E 03	1.7635E 01	3.8525E 05
6.2460E-09	9.6283E-03	6.4871E-07	6.4871E-07	3.2659E 03	1.7641E 01	3.7349E 05
6.5020E-09	9.7224E-03	6.6876E-07	6.6876E-07	3.2343E 03	1.7646E 01	3.6223E 05
7.0140E-09	9.9026E-03	7.0830E-07	7.0830E-07	3.1756E 03	1.7657E 01	3.4312E 05
7.5260E-09	1.0075E-02	7.4700E-07	7.4701E-07	3.1213E 03	1.7663E 01	3.2562E 05
8.0380E-09	1.0237E-02	7.8515E-07	7.8516E-07	3.0719E 03	1.7671E 01	3.1068E 05
8.5500E-09	1.0393E-02	8.2263E-07	8.2264E-07	3.0258E 03	1.7676E 01	2.9686E 05
9.0620E-09	1.0542E-02	8.5960E-07	8.5960E-07	2.9832E 03	1.7682E 01	2.8459E 05
9.5740E-09	1.0685E-02	8.9601E-07	8.9601E-07	2.9433E 03	1.7687E 01	2.7299E 05
1.0086E-08	1.0822E-02	9.3198E-07	9.3199E-07	2.9061E 03	1.7692E 01	2.6301E 05
1.0598E-08	1.0955E-02	9.6744E-07	9.6744E-07	2.8710E 03	1.7696E 01	2.5350E 05
1.1110E-08	1.1082E-02	1.0025E-06	1.0025E-06	2.8380E 03	1.7700E 01	2.4467E 05
1.1622E-08	1.1205E-02	1.0372E-06	1.0372E-06	2.8069E 03	1.7703E 01	2.3690E 05
1.2134E-08	1.1325E-02	1.0714E-06	1.0714E-06	2.7772E 03	1.7706E 01	2.2936E 05
1.2646E-08	1.1441E-02	1.1054E-06	1.1054E-06	2.7492E 03	1.7709E 01	2.2256E 05
1.3158E-08	1.1553E-02	1.1389E-06	1.1389E-06	2.7225E 03	1.7712E 01	2.1608E 05
1.3670E-08	1.1662E-02	1.1722E-06	1.1722E-06	2.6970E 03	1.7714E 01	2.1020E 05
1.4182E-08	1.1768E-02	1.2051E-06	1.2051E-06	2.6727E 03	1.7717E 01	2.0445E 05
1.4694E-08	1.1872E-02	1.2377E-06	1.2377E-06	2.6495E 03	1.7719E 01	1.9930E 05
1.5206E-08	1.1973E-02	1.2701E-06	1.2701E-06	2.6272E 03	1.7721E 01	1.9415E 05
1.6230E-08	1.2166E-02	1.3340E-06	1.3340E-06	2.5854E 03	1.7725E 01	1.8512E 05
1.7254E-08	1.2352E-02	1.3969E-06	1.3969E-06	2.5465E 03	1.7727E 01	1.7686E 05
1.8278E-08	1.2529E-02	1.4588E-06	1.4589E-06	2.5106E 03	1.7731E 01	1.6944E 05
1.9302E-08	1.2699E-02	1.5199E-06	1.5200E-06	2.4770E 03	1.7733E 01	1.6272E 05
2.0326E-08	1.2863E-02	1.5802E-06	1.5803E-06	2.4455E 03	1.7736E 01	1.5660E 05
2.1350E-08	1.3020E-02	1.6398E-06	1.6398E-06	2.4160E 03	1.7738E 01	1.5103E 05
2.3398E-08	1.3319E-02	1.7567E-06	1.7567E-06	2.3617E 03	1.7741E 01	1.4105E 05
2.7494E-08	1.3860E-02	1.9837E-06	1.9837E-06	2.2697E 03	1.7750E 01	1.2518E 05
3.1590E-08	1.4346E-02	2.2020E-06	2.2020E-06	2.1928E 03	1.7755E 01	1.1288E 05
3.5686E-08	1.4789E-02	2.4130E-06	2.4130E-06	2.1272E 03	1.7756E 01	1.0302E 05
3.9782E-08	1.5194E-02	2.6183E-06	2.6184E-06	2.0705E 03	1.7759E 01	9.5010E 04
4.3878E-08	1.5569E-02	2.8183E-06	2.8183E-06	2.0206E 03	1.7761E 01	8.8321E 04
4.7974E-08	1.5918E-02	3.0138E-06	3.0139E-06	1.9764E 03	1.7763E 01	8.2630E 04
5.2070E-08	1.6247E-02	3.2049E-06	3.2049E-06	1.9363E 03	1.7764E 01	7.7712E 04
5.6166E-08	1.6557E-02	3.3924E-06	3.3924E-06	1.9001E 03	1.7765E 01	7.3435E 04
6.4358E-08	1.7129E-02	3.7573E-06	3.7573E-06	1.8367E 03	1.7766E 01	6.6317E 04
7.2550E-08	1.7647E-02	4.1111E-06	4.1112E-06	1.7828E 03	1.7768E 01	6.0639E 04
8.0742E-08	1.8123E-02	4.4551E-06	4.4552E-06	1.7359E 03	1.7770E 01	5.5989E 04
8.8934E-08	1.8566E-02	4.7902E-06	4.7903E-06	1.6946E 03	1.7771E 01	5.2081E 04
9.7126E-08	1.8978E-02	5.1178E-06	5.1178E-06	1.6578E 03	1.7772E 01	4.8758E 04
1.1351E-07	1.9734E-02	5.7521E-06	5.7522E-06	1.5943E 03	1.7771E 01	4.3371E 04
1.2989E-07	2.0411E-02	6.3638E-06	6.3639E-06	1.5414E 03	1.7770E 01	3.9194E 04
1.4628E-07	2.1020E-02	6.9591E-06	6.9591E-06	1.4968E 03	1.7776E 01	3.5889E 04
1.6266E-07	2.1586E-02	7.5354E-06	7.5355E-06	1.4575E 03	1.7775E 01	3.3138E 04
1.7905E-07	2.2109E-02	8.0984E-06	8.0986E-06	1.4231E 03	1.7776E 01	3.0845E 04
1.9543E-07	2.2600E-02	8.6473E-06	8.6474E-06	1.3922E 03	1.7775E 01	2.8876E 04
2.1181E-07	2.3058E-02	9.1860E-06	9.1861E-06	1.3645E 03	1.7776E 01	2.7188E 04
2.2820E-07	2.3491E-C2	9.7140E-06	9.7142E-06	1.3394E 03	1.7776E 01	2.5713E 04
2.4458E-07	2.3902E-02	1.0233E-05	1.0233E-05	1.3164E 03	1.7776E 01	2.4412E 04
2.6097E-07	2.4292E-02	1.0743E-05	1.0743E-05	1.2952E 03	1.7776E 01	2.3254E 04
2.9373E-07	2.5020E-02	1.1740E-05	1.1740E-05	1.2576E 03	1.7777E 01	2.1282E 04
3.2650E-07	2.5691E-02	1.2709E-05	1.2709E-05	1.2248E 03	1.7777E 01	1.9659E 04
3.5927E-07	2.6312E-02	1.3654E-05	1.3654E-05	1.1958E 03	1.7777E 01	1.8300E 04
3.9204E-07	2.6892E-02	1.4578E-05	1.4578E-05	1.1701E 03	1.7777E 01	1.7140E 04
4.2481E-07	2.7437E-02	1.5483E-05	1.5483E-05	1.1469E 03	1.7778E 01	1.6141E 04
4.9034E-07	2.8441E-02	1.7241E-05	1.7241E-05	1.1064E 03	1.7776E 01	1.4492E 04
5.5588E-07	2.9348E-02	1.8941E-05	1.8941E-05	1.0722E 03	1.7775E 01	1.3189E 04
6.2141E-07	3.0174E-02	2.0594E-05	2.0595E-05	1.0429E 03	1.7777E 01	1.2136E 04

6.8695E-07	3.0940E-02	2.2202E-05	2.2203E-05	1.0171E 03	1.7777E 01	1.1257E 04
7.5249E-07	3.1652E-02	2.3773E-05	2.3774E-05	9.9420E 02	1.7778E 01	1.0515E 04
8.1802E-07	3.2322E-02	2.5308E-05	2.5309E-05	9.7360E 02	1.7777E 01	9.8745E 03
8.8356E-07	3.2950E-02	2.6814E-05	2.6815E-05	9.5505E 02	1.7777E 01	9.3208E 03
9.4909E-07	3.3546E-02	2.8292E-05	2.8293E-05	9.3811E 02	1.7776E 01	8.8334E 03
1.0146E-06	3.4110E-02	2.9745E-05	2.9746E-05	9.2260E 02	1.7777E 01	8.4024E 03
1.0802E-06	3.4648E-02	3.1175E-05	3.1176E-05	9.0829E 02	1.7777E 01	8.0175E 03
1.2112E-06	3.5653E-02	3.3972E-05	3.3973E-05	8.8270E 02	1.7777E 01	7.3584E 03
1.3423E-06	3.6580E-02	3.6694E-05	3.6696E-05	8.6035E 02	1.7778E 01	6.8133E 03
1.4734E-06	3.7443E-02	3.9349E-05	3.9350E-05	8.4053E 02	1.7777E 01	6.3530E 03
1.6045E-06	3.8249E-02	4.1946E-05	4.1948E-05	8.2284E 02	1.7777E 01	5.9602E 03
1.8666E-06	3.9727E-02	4.6984E-05	4.6987E-05	7.9225E 02	1.7776E 01	5.3198E 03
2.1287E-06	4.1051E-02	5.1855E-05	5.1858E-05	7.6674E 02	1.7777E 01	4.8220E 03
2.3909E-06	4.2257E-02	5.6578E-05	5.6581E-05	7.4487E 02	1.7778E 01	4.4209E 03
2.6530E-06	4.3372E-02	6.1168E-05	6.1171E-05	7.2575E 02	1.7778E 01	4.0891E 03
2.9152E-06	4.4409E-02	6.5641E-05	6.5645E-05	7.0882E 02	1.7776E 01	3.8094E 03
3.1773E-06	4.5375E-02	7.0021E-05	7.0025E-05	6.9374E 02	1.7776E 01	3.5714E 03
3.4395E-06	4.6284E-02	7.4310E-05	7.4314E-05	6.8014E 02	1.7776E 01	3.3653E 03
3.7016E-06	4.7141E-02	7.8519E-05	7.8525E-05	6.6779E 02	1.7776E 01	3.1853E 03
3.9637E-06	4.7955E-02	8.2652E-05	8.2658E-05	6.5647E 02	1.7776E 01	3.0259E 03
4.4880E-06	4.9468E-02	9.0724E-05	9.0730E-05	6.3643E 02	1.7776E 01	2.7571E 03
5.0123E-06	5.0855E-02	9.8557E-05	9.8565E-05	6.1909E 02	1.7775E 01	2.5377E 03
5.5366E-06	5.2137E-02	1.0619E-04	1.0620E-04	6.0390E 02	1.7775E 01	2.3553E 03
6.0609E-06	5.3330E-02	1.1364E-04	1.1365E-04	5.9041E 02	1.7775E 01	2.2010E 03
7.1095E-06	5.5496E-02	1.2810E-04	1.2811E-04	5.6742E 02	1.7776E 01	1.9535E 03
8.1581E-06	5.7429E-02	1.4205E-04	1.4206E-04	5.4836E 02	1.7779E 01	1.7630E 03
9.2066E-06	5.9201E-02	1.5551E-04	1.5552E-04	5.3197E 02	1.7776E 01	1.6096E 03
1.0255E-05	6.0821E-02	1.6860E-04	1.6862E-04	5.1783E 02	1.7775E 01	1.4846E 03
1.1304E-05	6.2325E-02	1.8136E-04	1.8138E-04	5.0537E 02	1.7774E 01	1.3798E 03
1.2352E-05	6.3716E-02	1.9385E-04	1.9388E-04	4.9436E 02	1.7776E 01	1.2916E 03
1.3401E-05	6.5032E-02	2.0605E-04	2.0608E-04	4.8438E 02	1.7774E 01	1.2149E 03
1.4450E-05	6.6269E-02	2.1803E-04	2.1806E-04	4.7537E 02	1.7774E 01	1.1482E 03
1.5498E-05	6.7442E-02	2.2978E-04	2.2982E-04	4.6712E 02	1.7774E 01	1.0895E 03
1.6547E-05	6.8555E-02	2.4134E-04	2.4138E-04	4.5955E 02	1.7773E 01	1.0373E 03
1.7595E-05	6.9619E-02	2.5272E-04	2.5276E-04	4.5256E 02	1.7773E 01	9.9063E 02
1.9692E-05	7.1608E-02	2.7498E-04	2.7502E-04	4.4002E 02	1.7772E 01	9.1049E 02
2.1790E-05	7.3447E-02	2.9665E-04	2.9670E-04	4.2904E 02	1.7771E 01	8.4397E 02
2.3887E-05	7.5157E-02	3.1780E-04	3.1785E-04	4.1931E 02	1.7770E 01	7.8778E 02
2.5984E-05	7.6757E-02	3.3849E-04	3.3855E-04	4.1060E 02	1.7770E 01	7.3964E 02
3.0178E-05	7.9686E-02	3.7868E-04	3.7875E-04	3.9557E 02	1.7769E 01	6.6125E 02
3.4372E-05	8.2314E-02	4.1753E-04	4.1762E-04	3.8299E 02	1.7770E 01	6.0007E 02
3.8567E-05	8.4731E-02	4.5512E-04	4.5522E-04	3.7211E 02	1.7768E 01	5.5033E 02
4.2761E-05	8.6950E-02	4.9173E-04	4.9185E-04	3.6266E 02	1.7767E 01	5.0938E 02
4.6955E-05	8.9016E-02	5.2743E-04	5.2755E-04	3.5428E 02	1.7765E 01	4.7484E 02
5.1150E-05	9.0943E-02	5.6237E-04	5.6250E-04	3.4681E 02	1.7764E 01	4.4539E 02
5.5344E-05	9.2759E-02	5.9656E-04	5.9672E-04	3.4005E 02	1.7763E 01	4.1983E 02
6.3733E-05	9.6092E-02	6.6315E-04	6.6334E-04	3.2832E 02	1.7763E 01	3.7780E 02
7.2121E-05	9.9121E-02	7.2750E-04	7.2771E-04	3.1835E 02	1.7760E 01	3.4434E 02
8.0510E-05	1.0189E-01	7.9001E-04	7.9025E-04	3.0973E 02	1.7758E 01	3.1710E 02
8.8898E-05	1.0445E-01	8.5093E-04	8.5121E-04	3.0219E 02	1.7758E 01	2.9445E 02
9.7287E-05	1.0684E-01	9.1044E-04	9.1055E-04	2.9550E 02	1.7757E 01	2.7526E 02
1.0568E-04	1.0908E-01	9.6865E-04	9.6899E-04	2.8948E 02	1.7756E 01	2.5875E 02
1.2245E-04	1.1318E-01	1.0817E-03	1.0821E-03	2.7906E 02	1.7754E 01	2.3174E 02
1.3923E-04	1.1687E-01	1.1911E-03	1.1916E-03	2.7032E 02	1.7754E 01	2.1061E 02
1.5601E-04	1.2026E-01	1.2969E-03	1.2975E-03	2.6276E 02	1.7751E 01	1.9337E 02
1.7278E-04	1.2338E-01	1.4001E-03	1.4007E-03	2.5617E 02	1.7749E 01	1.7916E 02
1.8956E-04	1.2629E-01	1.5006E-03	1.5013E-03	2.5033E 02	1.7747E 01	1.6714E 02
2.2312E-04	1.3155E-01	1.6956E-03	1.6965E-03	2.4043E 02	1.7746E 01	1.4803E 02
2.5667E-04	1.3627E-01	1.8830E-03	1.8840E-03	2.3218E 02	1.7741E 01	1.3327E 02
2.9022E-04	1.4055E-01	2.0643E-03	2.0655E-03	2.2520E 02	1.7737E 01	1.2156E 02
3.2378E-04	1.4447E-01	2.2405E-03	2.2419E-03	2.1917E 02	1.7735E 01	1.1202E 02
3.5733E-04	1.4808E-01	2.4124E-03	2.4140E-03	2.1390E 02	1.7734E 01	1.0410E 02

3.9089E-04	1.5145E-01	2.5800E-03	2.5818E-03	2.0919E-02	1.7731E-01	9.7348E-01
4.2444E-04	1.5461E-01	2.7442E-03	2.7461E-03	2.0498E-02	1.7730E-01	9.1557E-01
4.5800E-04	1.5761E-01	2.9049E-03	2.9070E-03	2.0114E-02	1.7728E-01	8.6496E-01
5.2511E-04	1.6311E-01	3.2182E-03	3.2207E-03	1.9447E-02	1.7725E-01	7.8126E-01
5.9221E-04	1.6811E-01	3.5213E-03	3.5243E-03	1.8878E-02	1.7722E-01	7.1431E-01
6.5932E-04	1.7272E-01	3.8156E-03	3.8189E-03	1.8362E-02	1.7717E-01	6.5926E-01
7.2643E-04	1.7699E-01	4.1026E-03	4.1063E-03	1.7948E-02	1.7714E-01	6.1334E-01
7.9354E-04	1.8097E-01	4.3828E-03	4.3870E-03	1.7560E-02	1.7711E-01	5.7424E-01
8.6065E-04	1.8470E-01	4.6573E-03	4.6620E-03	1.7212E-02	1.7708E-01	5.4060E-01
9.2776E-04	1.8823E-01	4.9262E-03	4.9313E-03	1.6896E-02	1.7705E-01	5.1118E-01
1.0620E-03	1.9475E-01	5.4501E-03	5.4562E-03	1.6344E-02	1.7700E-01	4.6233E-01
1.1962E-03	2.0069E-01	5.9570E-03	5.9640E-03	1.5871E-02	1.7694E-01	4.2311E-01
1.3304E-03	2.0615E-01	6.4497E-03	6.4577E-03	1.5461E-02	1.7689E-01	3.9093E-01
1.4646E-03	2.1121E-01	6.9301E-03	6.9391E-03	1.5101E-02	1.7685E-01	3.6400E-01
1.5988E-03	2.1593E-01	7.3995E-03	7.4095E-03	1.4780E-02	1.7681E-01	3.4107E-01
1.7331E-03	2.2037E-01	7.8588E-03	7.8699E-03	1.4490E-02	1.7677E-01	3.2126E-01
2.0015E-03	2.2853E-01	8.7515E-03	8.7648E-03	1.3989E-02	1.7670E-01	2.8873E-01
2.2699E-03	2.3591E-01	9.6144E-03	9.6299E-03	1.3565E-02	1.7663E-01	2.6306E-01
2.5384E-03	2.4268E-01	1.0451E-02	1.0469E-02	1.3200E-02	1.7656E-01	2.4215E-01
2.8068E-03	2.4894E-01	1.1265E-02	1.1285E-02	1.2880E-02	1.7649E-01	2.2476E-01
3.0752E-03	2.5477E-01	1.2059E-02	1.2082E-02	1.2596E-02	1.7643E-01	2.1007E-01
3.3437E-03	2.6023E-01	1.2836E-02	1.2861E-02	1.2342E-02	1.7637E-01	1.9747E-01
3.6121E-03	2.6538E-01	1.3597E-02	1.3625E-02	1.2113E-02	1.7631E-01	1.8651E-01
4.1490E-03	2.7489E-01	1.5077E-02	1.5110E-02	1.1712E-02	1.7621E-01	1.6837E-01
4.6859E-03	2.8354E-01	1.6507E-02	1.6545E-02	1.1371E-02	1.7609E-01	1.5389E-01
5.2227E-03	2.9149E-01	1.7896E-02	1.7939E-02	1.1076E-02	1.7599E-01	1.4205E-01
5.7596E-03	2.9884E-01	1.9249E-02	1.9298E-02	1.0818E-02	1.7590E-01	1.3219E-01
6.2965E-03	3.0570E-01	2.0570E-02	2.0624E-02	1.0588E-02	1.7582E-01	1.2380E-01
6.8333E-03	3.1215E-01	2.1861E-02	2.1921E-02	1.0382E-02	1.7573E-01	1.1657E-01
7.3702E-03	3.1824E-01	2.3126E-02	2.3192E-02	1.0195E-02	1.7565E-01	1.1028E-01
8.4440E-03	3.2949E-01	2.5588E-02	2.5666E-02	9.8679E-03	1.7551E-01	9.9811E-02
9.5177E-03	3.3971E-01	2.7972E-02	2.8062E-02	9.5907E-03	1.7539E-01	9.1464E-02
1.0591E-02	3.4914E-01	3.0284E-02	3.0387E-02	9.3495E-03	1.7525E-01	8.4586E-02
1.1665E-02	3.5791E-01	3.2535E-02	3.2651E-02	9.1372E-03	1.7512E-01	7.8824E-02
1.3813E-02	3.7387E-01	3.6874E-02	3.7016E-02	8.7771E-03	1.7486E-01	6.9651E-02
1.5960E-02	3.8806E-01	4.1044E-02	4.1212E-02	8.4829E-03	1.7463E-01	6.2698E-02
1.8108E-02	4.0088E-01	4.5072E-02	4.5268E-02	8.2360E-03	1.7445E-01	5.7226E-02
2.0255E-02	4.1269E-01	4.8968E-02	4.9193E-02	8.0226E-03	1.7425E-01	5.2758E-02
2.2403E-02	4.2359E-01	5.2760E-02	5.3014E-02	7.8367E-03	1.7408E-01	4.9057E-02
2.4550E-02	4.3380E-01	5.6452E-02	5.6735E-02	7.6717E-03	1.7390E-01	4.5917E-02
2.6698E-02	4.4333E-01	6.0064E-02	6.0377E-02	7.5248E-03	1.7375E-01	4.3235E-02
2.8845E-02	4.5237E-01	6.3592E-02	6.3936E-02	7.3915E-03	1.7359E-01	4.0891E-02
3.0993E-02	4.6092E-01	6.7053E-02	6.7428E-02	7.2705E-03	1.7344E-01	3.8838E-02
3.3140E-02	4.6906E-01	7.0449E-02	7.0854E-02	7.1597E-03	1.7329E-01	3.7017E-02
3.7435E-02	4.8425E-01	7.7070E-02	7.7539E-02	6.9636E-03	1.7302E-01	3.3930E-02
4.1730E-02	4.9824E-01	8.3487E-02	8.4021E-02	6.7943E-03	1.7276E-01	3.1404E-02
4.6025E-02	5.1127E-01	8.9721E-02	9.0320E-02	6.6456E-03	1.7251E-01	2.9288E-02
5.0320E-02	5.2345E-01	9.5798E-02	9.6464E-02	6.5138E-03	1.7227E-01	2.7492E-02
5.4615E-02	5.3492E-01	1.0173E-01	1.0247E-01	6.3956E-03	1.7204E-01	2.5942E-02
5.8910E-02	5.4576E-01	1.0754E-01	1.0834E-01	6.2889E-03	1.7183E-01	2.4593E-02
6.3205E-02	5.5606E-01	1.1323E-01	1.1410E-01	6.1917E-03	1.7162E-01	2.3402E-02
7.1795E-02	5.7526E-01	1.2430E-01	1.2531E-01	6.0206E-03	1.7122E-01	2.1399E-02
8.0385E-02	5.9294E-01	1.3499E-01	1.3615E-01	5.8738E-03	1.7084E-01	1.9771E-02
8.8975E-02	6.0933E-01	1.4537E-01	1.4667E-01	5.7461E-03	1.7049E-01	1.8420E-02
9.7565E-02	6.2464E-01	1.5547E-01	1.5691E-01	5.6336E-03	1.7016E-01	1.7278E-02
1.0615E-01	6.3904E-01	1.6532E-01	1.6691E-01	5.5332E-03	1.6984E-01	1.6299E-02
1.1474E-01	6.5268E-01	1.7494E-01	1.7667E-01	5.4427E-03	1.6953E-01	1.5447E-02
1.3192E-01	6.7796E-01	1.9357E-01	1.9561E-01	5.2858E-03	1.6895E-01	1.4036E-02
1.4910E-01	7.0113E-01	2.1149E-01	2.1383E-01	5.1533E-03	1.6840E-01	1.2908E-02
1.6628E-01	7.2252E-01	2.2883E-01	2.3147E-01	5.0396E-03	1.6789E-01	1.1987E-02
1.8346E-01	7.4243E-01	2.4564E-01	2.4859E-01	4.9405E-03	1.6742E-01	1.1218E-02
2.0064E-01	7.6111E-01	2.6199E-01	2.6525E-01	4.8530E-03	1.6697E-01	1.0564E-02

2.1782E-01	7.7878E-01	2.7792E-01	2.8148E-01	4.7748E 01	1.6653E 01	9.9995E-01
2.5218E-01	8.1145E-01	3.0869E-01	3.1288E-01	4.6407E 01	1.6573E 01	9.0742E-01
2.8654E-01	8.4129E-01	3.3819E-01	3.4301E-01	4.5291E 01	1.6498E 01	8.3437E-01
3.2090E-01	8.6889E-01	3.6660E-01	3.7205E-01	4.4340E 01	1.6428E 01	7.7494E-01
3.5526E-01	8.9466E-01	3.9406E-01	4.0012E-01	4.3516E 01	1.6361E 01	7.2548E-01
3.8962E-01	9.1884E-01	4.2069E-01	4.2738E-01	4.2795E 01	1.6298E 01	6.8367E-01
4.2398E-01	9.4170E-01	4.4657E-01	4.5389E-01	4.2155E 01	1.6238E 01	6.4773E-01
4.9270E-01	9.8402E-01	4.9642E-01	5.0498E-01	4.1070E 01	1.6128E 01	5.8910E-01
5.6142E-01	1.0227E 00	5.4405E-01	5.5384E-01	4.0176E 01	1.6026E 01	5.4304E-01
6.3014E-01	1.0588E 00	5.8965E-01	6.0066E-01	3.9419E 01	1.5929E 01	5.0551E-01
6.9886E-01	1.0924E 00	6.3362E-01	6.4584E-01	3.8772E 01	1.5838E 01	4.7445E-01
7.6758E-01	1.1241E 00	6.7611E-01	6.8952E-01	3.8209E 01	1.5752E 01	4.4819E-01
8.3630E-01	1.1541E 00	7.1735E-01	7.3194E-01	3.7715E 01	1.5672E 01	4.2573E-01
9.0502E-01	1.1827E 00	7.5736E-01	7.7311E-01	3.7275E 01	1.5594E 01	4.0615E-01
9.7374E-01	1.2100E 00	7.9631E-01	8.1321E-01	3.6882E 01	1.5521E 01	3.8896E-01
1.0425E 00	1.2362E 00	8.3427E-01	8.5231E-01	3.6528E 01	1.5450E 01	3.7371E-01
1.1799E 00	1.2857E 00	9.0759E-01	9.2786E-01	3.5913E 01	1.5317E 01	3.4782E-01
1.3173E 00	1.3320E 00	9.7778E-01	1.0002E 00	3.5397E 01	1.5193E 01	3.2657E-01
1.4548E 00	1.3756E 00	1.0452E 00	1.0698E 00	3.4957E 01	1.5076E 01	3.0875E-01
1.5922E 00	1.4170E 00	1.1103E 00	1.1370E 00	3.4577E 01	1.4966E 01	2.9358E-01
1.8671E 00	1.4941E 00	1.2343E 00	1.2650E 00	3.3952E 01	1.4764E 01	2.6899E-01
2.1420E 00	1.5650E 00	1.3514E 00	1.3859E 00	3.3460E 01	1.4583E 01	2.4986E-01
2.4168E 00	1.6317E 00	1.4621E 00	1.5003E 00	3.3058E 01	1.4412E 01	2.3431E-01
2.6917E 00	1.6943E 00	1.5679E 00	1.6095E 00	3.2726E 01	1.4255E 01	2.2148E-01
2.9666E 00	1.7537E 00	1.6691E 00	1.7141E 00	3.2447E 01	1.4108E 01	2.1064E-01
3.2415E 00	1.8101E 00	1.7666E 00	1.8149E 00	3.2211E 01	1.3972E 01	2.0135E-01
3.5164E 00	1.8644E 00	1.8604E 00	1.9118E 00	3.2006E 01	1.3842E 01	1.9324E-01
4.0661E 00	1.9666E 00	2.0389E 00	2.0962E 00	3.1671E 01	1.3604E 01	1.7977E-01
4.6159E 00	2.0625E 00	2.2065E 00	2.2694E 00	3.1409E 01	1.3387E 01	1.6891E-01
5.1656E 00	2.1529E 00	2.3653E 00	2.4335E 00	3.1199E 01	1.3189E 01	1.5994E-01
5.7154E 00	2.2387E 00	2.5164E 00	2.5896E 00	3.1027E 01	1.3006E 01	1.5236E-01
6.2651E 00	2.3206E 00	2.6608E 00	2.7388E 00	3.0884E 01	1.2838E 01	1.4583E-01
6.8149E 00	2.3992E 00	2.7993E 00	2.8817E 00	3.0762E 01	1.2680E 01	1.4013E-01
7.3646E 00	2.4748E 00	2.9324E 00	3.0192E 00	3.0658E 01	1.2532E 01	1.3510E-01
8.4642E 00	2.6185E 00	3.1850E 00	3.2799E 00	3.0488E 01	1.2262E 01	1.2656E-01
9.5637E 00	2.7536E 00	3.4219E 00	3.5244E 00	3.0355E 01	1.2022E 01	1.1953E-01
1.0663E 01	2.8817E 00	3.6455E 00	3.7551E 00	3.0247E 01	1.1803E 01	1.1361E-01
1.1763E 01	3.0038E 00	3.8578E 00	3.9741E 00	3.0157E 01	1.1604E 01	1.0851E-01
1.2862E 01	3.1206E 00	4.0604E 00	4.1830E 00	3.0080E 01	1.1422E 01	1.0407E-01
1.5061E 01	3.3408E 00	4.4410E 00	4.5756E 00	2.9933E 01	1.1098E 01	9.6637E-02
1.7260E 01	3.5460E 00	4.7948E 00	4.9403E 00	2.9850E 01	1.0818E 01	9.0620E-02
1.9459E 01	3.7398E 00	5.1254E 00	5.2811E 00	2.9762E 01	1.0569E 01	8.5584E-02
2.1658E 01	3.9232E 00	5.4379E 00	5.6032E 00	2.9685E 01	1.0348E 01	8.1301E-02
2.3857E 01	4.0979E 00	5.7346E 00	5.9091E 00	2.9616E 01	1.0150E 01	7.7592E-02
2.6056E 01	4.2647E 00	6.0182E 00	6.2013E 00	2.9553E 01	9.9700E 00	7.4343E-02
2.8255E 01	4.4250E 00	6.2897E 00	6.4811E 00	2.9495E 01	9.8054E 00	7.1456E-02
3.0454E 01	4.5792E 00	6.5509E 00	6.7503E 00	2.9440E 01	9.6543E 00	6.8873E-02
3.2653E 01	4.7281E 00	6.8027E 00	7.0098E 00	2.9388E 01	9.5147E 00	6.6541E-02
3.7051E 01	5.0115E 00	7.2824E 00	7.5041E 00	2.9293E 01	9.2647E 00	6.2489E-02
4.1450E 01	5.2787E 00	7.7344E 00	7.9700E 00	2.9207E 01	9.0459E 00	5.9070E-02
4.5848E 01	5.5319E 00	8.1635E 00	8.4121E 00	2.9127E 01	8.8522E 00	5.6136E-02
5.0246E 01	5.7730E 00	8.5730E 00	8.8341E 00	2.9052E 01	8.6790E 00	5.3582E-02
5.4644E 01	6.0036E 00	8.9653E 00	9.2383E 00	2.8983E 01	8.5226E 00	5.1331E-02
6.3440E 01	6.4372E 00	9.7074E 00	1.0003E 01	2.8856E 01	8.2508E 00	4.7537E-02

A = 10.0000E-04

B = 3.0000E-03

EPS = 10.0000E-05

GAM = 10.0000E-03

X	Y	NUC	NUW	ETAMD	NURATIO	DY/DX
0.	4.0000E-03	0.	0.	8.3334E 03	0.	5.1673E 06
10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	5.2202E 03	2.6826E 00	5.2596E 06
2.0000E-12	4.0105E-03	4.9869E-10	4.9869E-10	5.7028E 03	3.1859E 00	5.0709E 06
3.0000E-12	4.0154E-03	7.4711E-10	7.4711E-10	5.9440E 03	3.5214E 00	5.1458E 06

4.0000E-12	4.0206E-03	9.9487E-10	9.9487E-10	6.0968E 03	3.7791E 00	5.2510E 06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	6.2862E 03	4.1711E 00	5.1792E 06
8.0000E-12	4.0417E-03	1.9794E-09	1.9794E-09	6.4027E 03	4.4707E 00	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	6.4824E 03	4.7156E 00	4.9651E 06
1.4000E-11	4.0711E-03	3.4389E-09	3.4389E-09	6.5839E 03	5.1049E 00	4.9653E 06
2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	6.6762E 03	5.6604E 00	4.7986E 06
3.0000E-11	4.1486E-03	7.2314E-09	7.2314E-09	6.7093E 03	6.0611E 00	4.7803E 06
3.8000E-11	4.1867E-03	9.0763E-09	9.0763E-09	6.7121E 03	6.3715E 00	4.5731E 06
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	6.7042E 03	6.6276E 00	4.4351E 06
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	6.6858E 03	6.8417E 00	4.3283E 06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	6.6620E 03	7.0255E 00	4.2018E 06
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	6.6357E 03	7.1866E 00	4.2010E 06
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	6.5716E 03	7.4503E 00	3.9503E 06
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-08	6.5126E 03	7.6710E 00	3.7471E 06
1.1800E-10	4.5098E-03	2.6165E-08	2.6165E-08	6.4501E 03	7.8522E 00	3.6882E 06
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-08	6.3824E 03	7.9992E 00	3.4591E 06
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	6.3251E 03	8.1347E 00	3.3607E 06
1.6600E-10	4.6752E-03	3.5506E-08	3.5507E-08	6.2655E 03	8.2489E 00	3.3017E 06
1.8200E-10	4.7278E-03	3.8496E-08	3.8496E-08	6.2059E 03	8.3470E 00	3.1505E 06
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-08	6.1518E 03	8.4380E 00	3.1024E 06
2.1400E-10	4.8257E-03	4.4346E-08	4.4346E-08	6.0964E 03	8.5157E 00	2.9943E 06
2.3000E-10	4.8723E-03	4.7206E-08	4.7206E-08	6.0448E 03	8.5876E 00	2.8467E 06
2.4600E-10	4.9165E-03	5.0035E-08	5.0035E-08	5.9965E 03	8.6546E 00	2.8071E 06
2.6200E-10	4.9611E-03	5.2811E-08	5.2811E-08	5.9478E 03	8.7130E 00	2.7192E 06
2.7800E-10	5.0036E-03	5.5560E-08	5.5560E-08	5.9021E 03	8.7680E 00	2.6614E 06
2.9400E-10	5.0459E-03	5.8265E-08	5.8265E-08	5.8568E 03	8.8169E 00	2.6123E 06
3.1000E-10	5.0874E-03	6.0935E-08	6.0935E-08	5.8128E 03	8.8617E 00	2.5540E 06
3.2600E-10	5.1277E-03	6.3576E-08	6.3576E-08	5.7705E 03	8.9033E 00	2.4836E 06
3.5800E-10	5.2044E-03	6.8788E-08	6.8788E-08	5.6917E 03	8.9799E 00	2.3561E 06
4.2200E-10	5.3471E-03	7.8921E-08	7.8921E-08	5.5494E 03	9.1071E 00	2.1933E 06
4.8600E-10	5.4869E-03	8.8575E-08	8.8575E-08	5.4144E 03	9.1940E 00	2.0214E 06
5.5000E-10	5.6105E-03	9.8030E-08	9.8030E-08	5.3007E 03	9.2738E 00	1.8917E 06
6.1400E-10	5.7286E-03	1.0718E-07	1.0718E-07	5.1956E 03	9.3362E 00	1.7736E 06
6.7800E-10	5.8386E-03	1.1612E-07	1.1612E-07	5.1012E 03	9.3901E 00	1.6701E 06
7.4200E-10	5.9426E-03	1.2486E-07	1.2486E-07	5.0148E 03	9.4361E 00	1.5868E 06
8.0600E-10	6.0423E-03	1.3339E-07	1.3339E-07	4.9345E 03	9.4745E 00	1.5267E 06
8.7000E-10	6.1387E-03	1.4172E-07	1.4172E-07	4.8589E 03	9.5056E 00	1.4460E 06
9.3400E-10	6.2281E-03	1.4997E-07	1.4997E-07	4.7910E 03	9.5368E 00	1.3859E 06
9.9800E-10	6.3154E-03	1.5803E-07	1.5803E-07	4.7262E 03	9.5621E 00	1.3254E 06
1.1260E-09	6.4773E-03	1.7384E-07	1.7384E-07	4.6107E 03	9.6087E 00	1.2236E 06
1.2540E-09	6.6284E-03	1.8919E-07	1.8919E-07	4.5076E 03	9.6458E 00	1.1456E 06
1.3820E-09	6.7716E-03	2.0409E-07	2.0409E-07	4.4138E 03	9.6741E 00	1.0693E 06
1.5100E-09	6.9036E-03	2.1873E-07	2.1873E-07	4.3308E 03	9.7015E 00	1.0131E 06
1.6380E-09	7.0317E-03	2.3295E-07	2.3295E-07	4.2529E 03	9.7206E 00	9.5802E 05
1.7660E-09	7.1508E-03	2.4696E-07	2.4696E-07	4.1830E 03	9.7401E 00	9.0970E 05
1.8940E-09	7.2648E-03	2.6071E-07	2.6071E-07	4.1181E 03	9.7565E 00	8.6840E 05
2.1500E-09	7.4787E-03	2.8748E-07	2.8748E-07	4.0016E 03	9.7826E 00	7.9535E 05
2.4060E-09	7.6738E-03	3.1354E-07	3.1354E-07	3.9009E 03	9.8059E 00	7.3687E 05
2.6620E-09	7.8563E-03	3.3884E-07	3.3884E-07	3.8111E 03	9.8233E 00	6.8919E 05
2.9180E-09	8.0272E-03	3.6351E-07	3.6351E-07	3.7305E 03	9.8373E 00	6.4402E 05
3.1740E-09	8.1852E-03	3.8777E-07	3.8777E-07	3.6592E 03	9.8525E 00	6.0926E 05
3.4300E-09	8.3385E-03	4.1134E-07	4.1134E-07	3.5922E 03	9.8606E 00	5.7624E 05
3.6860E-09	8.4820E-03	4.3457E-07	4.3457E-07	3.5318E 03	9.8698E 00	5.4734E 05
3.9420E-09	8.6191E-03	4.5735E-07	4.5735E-07	3.4759E 03	9.8773E 00	5.1979E 05
4.1980E-09	8.7488E-03	4.7984E-07	4.7984E-07	3.4247E 03	9.8852E 00	4.9758E 05
4.4540E-09	8.8743E-03	5.0190E-07	5.0190E-07	3.3765E 03	9.8907E 00	4.7707E 05
4.7100E-09	8.9940E-03	5.2368E-07	5.2368E-07	3.3318E 03	9.8963E 00	4.5794E 05
4.9660E-09	9.1089E-03	5.4518E-07	5.4518E-07	3.2899E 03	9.9017E 00	4.4155E 05
5.2220E-09	9.2202E-03	5.6636E-07	5.6636E-07	3.2504E 03	9.9058E 00	4.2537E 05
5.4780E-09	9.3271E-03	5.8732E-07	5.8732E-07	3.2133E 03	9.9102E 00	4.1119E 05
5.7340E-09	9.4309E-03	6.0800E-07	6.0800E-07	3.1780E 03	9.9136E 00	3.9735E 05
5.9900E-09	9.5309E-03	6.2848E-07	6.2848E-07	3.1448E 03	9.9173E 00	3.8525E 05

6.2460E-09	9.6283E-03	6.4871E-07	6.4871E-07	3.1131E 03	9.9202E 00	3.7349E 05
6.5020E-09	9.7224E-03	6.6876E-07	6.6876E-07	3.0831E 03	9.9233E 00	3.6223E 05
7.0140E-09	9.9026E-03	7.0830E-07	7.0830E-07	3.0272E 03	9.9292E 00	3.4312E 05
7.5260E-09	1.0075E-02	7.4700E-07	7.4701E-07	2.9756E 03	9.9328E 00	3.2562E 05
8.0380E-09	1.0237E-02	7.8515E-07	7.8516E-07	2.9285E 03	9.9372E 00	3.1068E 05
8.5500E-09	1.0393E-02	8.2263E-07	8.2264E-07	2.8846E 03	9.9404E 00	2.9686E 05
9.0620E-09	1.0542E-02	8.5960E-07	8.5960E-07	2.8440E 03	9.9437E 00	2.8459E 05
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1.0086E-08	1.0822E-02	9.3198E-07	9.3199E-07	2.7706E 03	9.9493E 00	2.6301E 05
1.0598E-08	1.0955E-02	9.6744E-07	9.6744E-07	2.7372E 03	9.9512E 00	2.5350E 05
1.1110E-08	1.1082E-02	1.0025E-06	1.0025E-06	2.7058E 03	9.9535E 00	2.4467E 05
1.1622E-08	1.1205E-02	1.0372E-06	1.0372E-06	2.6761E 03	9.9556E 00	2.3690E 05
1.2134E-08	1.1325E-02	1.0714E-06	1.0714E-06	2.6479E 03	9.9571E 00	2.2936E 05
1.2646E-08	1.1441E-02	1.1054E-06	1.1054E-06	2.6212E 03	9.9589E 00	2.2256E 05
1.3158E-08	1.1553E-02	1.1389E-06	1.1389E-06	2.5957E 03	9.9603E 00	2.1608E 05
1.3670E-08	1.1662E-02	1.1722E-06	1.1722E-06	2.5715E 03	9.9618E 00	2.1020E 05
1.4182E-08	1.1768E-02	1.2051E-06	1.2051E-06	2.5483E 03	9.9630E 00	2.0445E 05
1.4694E-08	1.1872E-02	1.2377E-06	1.2377E-06	2.5262E 03	9.9643E 00	1.9930E 05
1.5206E-08	1.1973E-02	1.2701E-06	1.2701E-06	2.5049E 03	9.9653E 00	1.9415E 05
1.6230E-08	1.2166E-02	1.3340E-06	1.3340E-06	2.4651E 03	9.9678E 00	1.8512E 05
1.7254E-08	1.2352E-02	1.3969E-06	1.3969E-06	2.4280E 03	9.9691E 00	1.7686E 05
1.8278E-08	1.2529E-02	1.4588E-06	1.4589E-06	2.3938E 03	9.9709E 00	1.6944E 05
1.9302E-08	1.2699E-02	1.5199E-06	1.5200E-06	2.3618E 03	9.9723E 00	1.6272E 05
2.0326E-08	1.2863E-02	1.5802E-06	1.5803E-06	2.3318E 03	9.9737E 00	1.5660E 05
2.1350E-08	1.3020E-02	1.6398E-06	1.6398E-06	2.3036E 03	9.9749E 00	1.5103E 05
2.2398E-08	1.3319E-02	1.7567E-06	1.7567E-06	2.2520E 03	9.9768E 00	1.4105E 05
2.7494E-08	1.3860E-02	1.9837E-06	1.9837E-06	2.1642E 03	9.9820E 00	1.2518E 05
3.1590E-08	1.4346E-02	2.2020E-06	2.2020E-06	2.0909E 03	9.9845E 00	1.1288E 05
3.5686E-08	1.4789E-02	2.4130E-06	2.4130E-06	2.0284E 03	9.9853E 00	1.0302E 05
3.9782E-08	1.5194E-02	2.6183E-06	2.6184E-06	1.9744E 03	9.9869E 00	9.5010E 04
4.3878E-08	1.5569E-02	2.8183E-06	2.8183E-06	1.9268E 03	9.9879E 00	8.8321E 04
4.7974E-08	1.5918E-02	3.0138E-06	3.0139E-06	1.8846E 03	9.9893E 00	8.2630E 04
5.2070E-08	1.6247E-02	3.2049E-06	3.2049E-06	1.8464E 03	9.9894E 00	7.7712E 04
5.6166E-08	1.6557E-02	3.3924E-06	3.3924E-06	1.8119E 03	9.9901E 00	7.3435E 04
6.4358E-08	1.7129E-02	3.7573E-06	3.7573E-06	1.7514E 03	9.9907E 00	6.6317E 04
7.2550E-08	1.7647E-02	4.1111E-06	4.1112E-06	1.7000E 03	9.9921E 00	6.0639E 04
8.0742E-08	1.8123E-02	4.4551E-06	4.4552E-06	1.6554E 03	9.9933E 00	5.5989E 04
8.8934E-08	1.8566E-02	4.7902E-06	4.7903E-06	1.6159E 03	9.9937E 00	5.2081E 04
9.7126E-08	1.8978E-02	5.1178E-06	5.1178E-06	1.5808E 03	9.9942E 00	4.8758E 04
1.1351E-07	1.9734E-02	5.7521E-06	5.7522E-06	1.5203E 03	9.9936E 00	4.3371E 04
1.2989E-07	2.0411E-02	6.3638E-06	6.3639E-06	1.4699E 03	9.9930E 00	3.9194E 04
1.4628E-07	2.1020E-02	6.9591E-06	6.9591E-06	1.4274E 03	9.9963E 00	3.5889E 04
1.6266E-07	2.1586E-02	7.5354E-06	7.5355E-06	1.3899E 03	9.9957E 00	3.3138E 04
1.7905E-07	2.2109E-02	8.0984E-06	8.0986E-06	1.3571E 03	9.9966E 00	3.0845E 04
1.9543E-07	2.2600E-02	8.6473E-06	8.6474E-06	1.3276E 03	9.9956E 00	2.8876E 04
2.1181E-07	2.3058E-02	9.1860E-06	9.1861E-06	1.3012E 03	9.9961E 00	2.7188E 04
2.2820E-07	2.3491E-02	9.7140E-06	9.7142E-06	1.2772E 03	9.9962E 00	2.5713E 04
2.4458E-07	2.3902E-02	1.0233E-05	1.0233E-05	1.2553E 03	9.9965E 00	2.4412E 04
2.6097E-07	2.4292E-02	1.0743E-05	1.0743E-05	1.2352E 03	9.9966E 00	2.3254E 04
2.9373E-07	2.5020E-02	1.1740E-05	1.1740E-05	1.1992E 03	9.9969E 00	2.1282E 04
3.2650E-07	2.5691E-02	1.2709E-05	1.2709E-05	1.1679E 03	9.9968E 00	1.9659E 04
3.5927E-07	2.6312E-02	1.3654E-05	1.3654E-05	1.1404E 03	9.9970E 00	1.8300E 04
3.9204E-07	2.6892E-02	1.4578E-05	1.4578E-05	1.1158E 03	9.9970E 00	1.7140E 04
4.2481E-07	2.7437E-02	1.5483E-05	1.5483E-05	1.0937E 03	9.9973E 00	1.6141E 04
4.9034E-07	2.8441E-02	1.7241E-05	1.7241E-05	1.0551E 03	9.9966E 00	1.4492E 04
5.5588E-07	2.9348E-02	1.8941E-05	1.8941E-05	1.0224E 03	9.9961E 00	1.3189E 04
6.2141E-07	3.0174E-02	2.0594E-05	2.0595E-05	9.9449E 02	9.9971E 00	1.2136E 04
6.8695E-07	3.0940E-02	2.2202E-05	2.2203E-05	9.6989E 02	9.9972E 00	1.1257E 04
7.5249E-07	3.1652E-02	2.3773E-05	2.3774E-05	9.4809E 02	9.9975E 00	1.0515E 04
8.1802E-07	3.2322E-02	2.5308E-05	2.5309E-05	9.2843E 02	9.9967E 00	9.8745E 03
8.8356E-07	3.2950E-02	2.6814E-05	2.6815E-05	9.1075E 02	9.9969E 00	9.3208E 03
9.4909E-07	3.3546E-02	2.8292E-05	2.8293E-05	8.9459E 02	9.9967E 00	8.8334E 03

1.0146E-06	3.4110E-02	2.9745E-05	2.9746E-05	8.7981E 02	9.9968E 00	8.4024E 03
1.0802E-06	3.4648E-02	3.1175E-05	3.1176E-05	8.6616E 02	9.9968E 00	8.0175E 03
1.2112E-06	3.5653E-02	3.3972E-05	3.3973E-05	8.4175E 02	9.9971E 00	7.3584E 03
1.3423E-06	3.6580E-02	3.6694E-05	3.6696E-05	8.2044E 02	9.9973E 00	6.8133E 03
1.4734E-06	3.7443E-02	3.9349E-05	3.9350E-05	8.0154E 02	9.9969E 00	6.3530E 03
1.6045E-06	3.8249E-02	4.1946E-05	4.1948E-05	7.8467E 02	9.9970E 00	5.9602E 03
1.8666E-06	3.9727E-02	4.6984E-05	4.6987E-05	7.5550E 02	9.9962E 00	5.3198E 03
2.1287E-06	4.1051E-02	5.1855E-05	5.1858E-05	7.3117E 02	9.9970E 00	4.8220E 03
2.3909E-06	4.2257E-02	5.6578E-05	5.6581E-05	7.1032E 02	9.9976E 00	4.4209E 03
2.6530E-06	4.3372E-02	6.1168E-05	6.1171E-05	6.9209E 02	9.9974E 00	4.0891E 03
2.9152E-06	4.4409E-02	6.5641E-05	6.5645E-05	6.7593E 02	9.9966E 00	3.8094E 03
3.1773E-06	4.5375E-02	7.0021E-05	7.0025E-05	6.6156E 02	9.9967E 00	3.5714E 03
3.4395E-06	4.6284E-02	7.4310E-05	7.4314E-05	6.4859E 02	9.9965E 00	3.3653E 03
3.7016E-06	4.7141E-02	7.8519E-05	7.8525E-05	6.3682E 02	9.9967E 00	3.1853E 03
3.9637E-06	4.7955E-02	8.2652E-05	8.2658E-05	6.2601E 02	9.9964E 00	3.0259E 03
4.4880E-06	4.9468E-02	9.0724E-05	9.0730E-05	6.0691E 02	9.9965E 00	2.7571E 03
5.0123E-06	5.0855E-02	9.8557E-05	9.8565E-05	5.9037E 02	9.9961E 00	2.5377E 03
5.5366E-06	5.2137E-02	1.0619E-04	1.0620E-04	5.7588E 02	9.9958E 00	2.3553E 03
6.0609E-06	5.3330E-02	1.1364E-04	1.1365E-04	5.6302E 02	9.9958E 00	2.2010E 03
7.1095E-06	5.5496E-02	1.2810E-04	1.2811E-04	5.4109E 02	9.9966E 00	1.9535E 03
8.1581E-06	5.7429E-02	1.4205E-04	1.4206E-04	5.2292E 02	9.9981E 00	1.7630E 03
9.2066E-06	5.9201E-02	1.5551E-04	1.5552E-04	5.0730E 02	9.9965E 00	1.6096E 03
1.0255E-05	6.0821E-02	1.6860E-04	1.6862E-04	4.9381E 02	9.9961E 00	1.4846E 03
1.1304E-05	6.2325E-02	1.8136E-04	1.8138E-04	4.8192E 02	9.9952E 00	1.3798E 03
1.2352E-05	6.3716E-02	1.9385E-04	1.9388E-04	4.7143E 02	9.9962E 00	1.2916E 03
1.3401E-05	6.5032E-02	2.0605E-04	2.0608E-04	4.6191E 02	9.9954E 00	1.2149E 03
1.4450E-05	6.6269E-02	2.1803E-04	2.1806E-04	4.5331E 02	9.9954E 00	1.1482E 03
1.5498E-05	6.7442E-02	2.2978E-04	2.2982E-04	4.4545E 02	9.9950E 00	1.0895E 03
1.6547E-05	6.8555E-02	2.4134E-04	2.4138E-04	4.3823E 02	9.9949E 00	1.0373E 03
1.7595E-05	6.9619E-02	2.5272E-04	2.5276E-04	4.3156E 02	9.9946E 00	9.9063E 02
1.9692E-05	7.1608E-02	2.7498E-04	2.7502E-04	4.1960E 02	9.9942E 00	9.1049E 02
2.1790E-05	7.3447E-02	2.9665E-04	2.9670E-04	4.0913E 02	9.9937E 00	8.4397E 02
2.3887E-05	7.5157E-02	3.1780E-04	3.1785E-04	3.9985E 02	9.9932E 00	7.8778E 02
2.5984E-05	7.6757E-02	3.3849E-04	3.3855E-04	3.9154E 02	9.9929E 00	7.3964E 02
3.0178E-05	7.9686E-02	3.7868E-04	3.7875E-04	3.7721E 02	9.9925E 00	6.6125E 02
3.4372E-05	8.2314E-02	4.1753E-04	4.1762E-04	3.6521E 02	9.9932E 00	6.0007E 02
3.8567E-05	8.4731E-02	4.5512E-04	4.5522E-04	3.5484E 02	9.9917E 00	5.5033E 02
4.2761E-05	8.6950E-02	4.9173E-04	4.9185E-04	3.4582E 02	9.9912E 00	5.0938E 02
4.6955E-05	8.9016E-02	5.2743E-04	5.2755E-04	3.3783E 02	9.9901E 00	4.7484E 02
5.1150E-05	9.0943E-02	5.6237E-04	5.6250E-04	3.3071E 02	9.9898E 00	4.4539E 02
5.5344E-05	9.2759E-02	5.9656E-04	5.9672E-04	3.2426E 02	9.9891E 00	4.1983E 02
6.3733E-05	9.6092E-02	6.6315E-04	6.6334E-04	3.1308E 02	9.9888E 00	3.7780E 02
7.2121E-05	9.9121E-02	7.2750E-04	7.2771E-04	3.0356E 02	9.9875E 00	3.4434E 02
8.0510E-05	1.0189E-01	7.9001E-04	7.9025E-04	2.9535E 02	9.9866E 00	3.1710E 02
8.8898E-05	1.0445E-01	8.5093E-04	8.5121E-04	2.8816E 02	9.9861E 00	2.9445E 02
9.7287E-05	1.0684E-01	9.1044E-04	9.1075E-04	2.8177E 02	9.9858E 00	2.7526E 02
1.0568E-04	1.0908E-01	9.6865E-04	9.6899E-04	2.7603E 02	9.9852E 00	2.5875E 02
1.2245E-04	1.1318E-01	1.0817E-03	1.0821E-03	2.6609E 02	9.9841E 00	2.3174E 02
1.3923E-04	1.1687E-01	1.1911E-03	1.1916E-03	2.5777E 02	9.9843E 00	2.1061E 02
1.5601E-04	1.2026E-01	1.2969E-03	1.2975E-03	2.5055E 02	9.9823E 00	1.9337E 02
1.7278E-04	1.2338E-01	1.4001E-03	1.4007E-03	2.4427E 02	9.9814E 00	1.7916E 02
1.8956E-04	1.2629E-01	1.5006E-03	1.5013E-03	2.3869E 02	9.9799E 00	1.6714E 02
2.2312E-04	1.3155E-01	1.6956E-03	1.6965E-03	2.2926E 02	9.9795E 00	1.4803E 02
2.5667E-04	1.3627E-01	1.8830E-03	1.8840E-03	2.2139E 02	9.9767E 00	1.3327E 02
2.9022E-04	1.4055E-01	2.0643E-03	2.0655E-03	2.1473E 02	9.9746E 00	1.2156E 02
3.2378E-04	1.4447E-01	2.2405E-03	2.2419E-03	2.0897E 02	9.9731E 00	1.1202E 02
3.5733E-04	1.4808E-01	2.4124E-03	2.4140E-03	2.0395E 02	9.9728E 00	1.0410E 02
3.9089E-04	1.5145E-01	2.5800E-03	2.5818E-03	1.9946E 02	9.9714E 00	9.7348E 01
4.2444E-04	1.5461E-01	2.7442E-03	2.7461E-03	1.9544E 02	9.9706E 00	9.1557E 01
4.5800E-04	1.5761E-01	2.9049E-03	2.9070E-03	1.9179E 02	9.9691E 00	8.6496E 01
5.2511E-04	1.6311E-01	3.2182E-03	3.2207E-03	1.8542E 02	9.9677E 00	7.8126E 01
5.9221E-04	1.6811E-01	3.5213E-03	3.5243E-03	1.7999E 02	9.9659E 00	7.1431E 01

6.5932E-04	1.7272E-01	3.8156E-03	3.8189E-03	1.7526E-02	9.9634E-00	6.5926E-01
7.2643E-04	1.7699E-01	4.1026E-03	4.1063E-03	1.7112E-02	9.9616E-00	6.1334E-01
7.9354E-04	1.8097E-01	4.3828E-03	4.3870E-03	1.6742E-02	9.9597E-00	5.7424E-01
8.6065E-04	1.8470E-01	4.6573E-03	4.6620E-03	1.6411E-02	9.9583E-00	5.4060E-01
9.2776E-04	1.8823E-01	4.9262E-03	4.9313E-03	1.6109E-02	9.9565E-00	5.1118E-01
1.0620E-03	1.9475E-01	5.4501E-03	5.4562E-03	1.5582E-02	9.9538E-00	4.6233E-01
1.1962E-03	2.0069E-01	5.9570E-03	5.9640E-03	1.5131E-02	9.9505E-00	4.2310E-01
1.3304E-03	2.0615E-01	6.4497E-03	6.4577E-03	1.4741E-02	9.9477E-00	3.9093E-01
1.4646E-03	2.1121E-01	6.9301E-03	6.9391E-03	1.4397E-02	9.9452E-00	3.6400E-01
1.7331E-03	2.2032E-01	7.8604E-03	7.8715E-03	1.3817E-02	9.9427E-00	3.2145E-01
2.0015E-03	2.2844E-01	8.7549E-03	8.7681E-03	1.3341E-02	9.9404E-00	2.8906E-01
2.2699E-03	2.3587E-01	9.6158E-03	9.6313E-03	1.2934E-02	9.9346E-00	2.6317E-01
2.5384E-03	2.4265E-01	1.0452E-02	1.0470E-02	1.2585E-02	9.9302E-00	2.4222E-01
2.8068E-03	2.4892E-01	1.1266E-02	1.1286E-02	1.2279E-02	9.9259E-00	2.2481E-01
3.0752E-03	2.5473E-01	1.2061E-02	1.2084E-02	1.2009E-02	9.9235E-00	2.1018E-01
3.3437E-03	2.6021E-01	1.2838E-02	1.2863E-02	1.1766E-02	9.9195E-00	1.9753E-01
3.6121E-03	2.6535E-01	1.3599E-02	1.3626E-02	1.1547E-02	9.9163E-00	1.8658E-01
3.8805E-03	2.7023E-01	1.4345E-02	1.4375E-02	1.1348E-02	9.9131E-00	1.7695E-01
4.1490E-03	2.7486E-01	1.5079E-02	1.5111E-02	1.1165E-02	9.9101E-00	1.6842E-01
4.4174E-03	2.7928E-01	1.5800E-02	1.5835E-02	1.0996E-02	9.9070E-00	1.6080E-01
4.6943E-03	2.8755E-01	1.7209E-02	1.7250E-02	1.0695E-02	9.9014E-00	1.4776E-01
5.4912E-03	2.9518E-01	1.8580E-02	1.8625E-02	1.0432E-02	9.8960E-00	1.3697E-01
6.5649E-03	3.0897E-01	2.1219E-02	2.1276E-02	9.9904E-01	9.8851E-00	1.2007E-01
7.6386E-03	3.2124E-01	2.3745E-02	2.3813E-02	9.6303E-01	9.8735E-00	1.0735E-01
8.7124E-03	3.3216E-01	2.6189E-02	2.6270E-02	9.3333E-01	9.8672E-00	9.7537E-00
9.7861E-03	3.4218E-01	2.8553E-02	2.8646E-02	9.0777E-01	9.8597E-00	8.9587E-00
1.0860E-02	3.5142E-01	3.0850E-02	3.0955E-02	8.8554E-01	9.8527E-00	8.3032E-00
1.1934E-02	3.6006E-01	3.3084E-02	3.3202E-02	8.6582E-01	9.8448E-00	7.7489E-00
1.3007E-02	3.6812E-01	3.5269E-02	3.5400E-02	8.4830E-01	9.8383E-00	7.2774E-00
1.4081E-02	3.7572E-01	3.7405E-02	3.7550E-02	8.3249E-01	9.8316E-00	6.8684E-00
1.6229E-02	3.8968E-01	4.1559E-02	4.1731E-02	8.0513E-01	9.8204E-00	6.1965E-00
1.8376E-02	4.0237E-01	4.5569E-02	4.5769E-02	7.8198E-01	9.8096E-00	5.6631E-00
2.0524E-02	4.1409E-01	4.9449E-02	4.9677E-02	7.6192E-01	9.7980E-00	5.2261E-00
2.2671E-02	4.2490E-01	5.3227E-02	5.3485E-02	7.4444E-01	9.7882E-00	4.8638E-00
2.4819E-02	4.3502E-01	5.6908E-02	5.7195E-02	7.2891E-01	9.7784E-00	4.5561E-00
2.6966E-02	4.4448E-01	6.0509E-02	6.0827E-02	7.1506E-01	9.7697E-00	4.2925E-00
2.9113E-02	4.5346E-01	6.4029E-02	6.4376E-02	7.0249E-01	9.7606E-00	4.0621E-00
3.3408E-02	4.7002E-01	7.0874E-02	7.1283E-02	6.8064E-01	9.7446E-00	3.6810E-00
3.7703E-02	4.8515E-01	7.7479E-02	7.7952E-02	6.6206E-01	9.7290E-00	3.3760E-00
4.1998E-02	4.9911E-01	8.3877E-02	8.4415E-02	6.4597E-01	9.7138E-00	3.1256E-00
4.6293E-02	5.1207E-01	9.0103E-02	9.0706E-02	6.3189E-01	9.7000E-00	2.9165E-00
5.0588E-02	5.2421E-01	9.6169E-02	9.6839E-02	6.1938E-01	9.6866E-00	2.7385E-00
5.4883E-02	5.3563E-01	1.0210E-01	1.0283E-01	6.0817E-01	9.6740E-00	2.5851E-00
5.9178E-02	5.4645E-01	1.0789E-01	1.0870E-01	5.9801E-01	9.6615E-00	2.4510E-00
6.3473E-02	5.5672E-01	1.1358E-01	1.1445E-01	5.8878E-01	9.6498E-00	2.3329E-00
6.7768E-02	5.6651E-01	1.1915E-01	1.2010E-01	5.8030E-01	9.6384E-00	2.2279E-00
7.6358E-02	5.8484E-01	1.3002E-01	1.3110E-01	5.6528E-01	9.6170E-00	2.0493E-00
8.4948E-02	6.0180E-01	1.4054E-01	1.4177E-01	5.5227E-01	9.5966E-00	1.9022E-00
9.3538E-02	6.1761E-01	1.5077E-01	1.5214E-01	5.4086E-01	9.5771E-00	1.7789E-00
1.0213E-01	6.3243E-01	1.6073E-01	1.6224E-01	5.3073E-01	9.5588E-00	1.6738E-00
1.1931E-01	6.5964E-01	1.7996E-01	1.8178E-01	5.1346E-01	9.5247E-00	1.5037E-00
1.3649E-01	6.8418E-01	1.9843E-01	2.0055E-01	4.9922E-01	9.4944E-00	1.3719E-00
1.5367E-01	7.0687E-01	2.1618E-01	2.1860E-01	4.8703E-01	9.4636E-00	1.2651E-00
1.7085E-01	7.2782E-01	2.3338E-01	2.3610E-01	4.7655E-01	9.4357E-00	1.1774E-00
1.8803E-01	7.4744E-01	2.5005E-01	2.5308E-01	4.6734E-01	9.4086E-00	1.1036E-00
2.0521E-01	7.6584E-01	2.6628E-01	2.6962E-01	4.5921E-01	9.3836E-00	1.0408E-00
2.2239E-01	7.8326E-01	2.8210E-01	2.8575E-01	4.5191E-01	9.3592E-00	9.8638E-01
2.5675E-01	8.1551E-01	3.1269E-01	3.1697E-01	4.3938E-01	9.3145E-00	8.9689E-01
2.9111E-01	8.4511E-01	3.4201E-01	3.4691E-01	4.2886E-01	9.2720E-00	8.2571E-01
3.2547E-01	8.7248E-01	3.7028E-01	3.7580E-01	4.1990E-01	9.2325E-00	7.6773E-01
3.5983E-01	8.9798E-01	3.9763E-01	4.0378E-01	4.1214E-01	9.1957E-00	7.1950E-01
4.2855E-01	9.4445E-01	4.5005E-01	4.5745E-01	3.9933E-01	9.1293E-00	6.4362E-01

4.9726E-01	9.8632E-01	4.9984E-01	5.0848E-01	3.8906E 01	9.0691E 00	5.8617E-01
5.6598E-01	1.0248E 00	5.4733E-01	5.5720E-01	3.8053E 01	9.0119E 00	5.4069E-01
6.3470E-01	1.0607E 00	5.9281E-01	6.0390E-01	3.7329E 01	8.9569E 00	5.0359E-01
7.0342E-01	1.0942E 00	6.3670E-01	6.4899E-01	3.6708E 01	8.9062E 00	4.7288E-01
7.7214E-01	1.1258E 00	6.7909E-01	6.9258E-01	3.6167E 01	8.8578E 00	4.4685E-01
9.0958E-01	1.1839E 00	7.6037E-01	7.7619E-01	3.5273E 01	8.7713E 00	4.0533E-01
1.0470E 00	1.2371E 00	8.3730E-01	8.5541E-01	3.4552E 01	8.6913E 00	3.7319E-01
1.1845E 00	1.2866E 00	9.1041E-01	9.3075E-01	3.3953E 01	8.6153E 00	3.4735E-01
1.3219E 00	1.3328E 00	9.8053E-01	1.0030E 00	3.3451E 01	8.5454E 00	3.2619E-01
1.4593E 00	1.3765E 00	1.0479E 00	1.0725E 00	3.3319E 01	8.4795E 00	3.0843E-01
1.7342E 00	1.4566E 00	1.1763E 00	1.2050E 00	3.2325E 01	8.3627E 00	2.8042E-01
2.0091E 00	1.5302E 00	1.2966E 00	1.3293E 00	3.1779E 01	8.2555E 00	2.5889E-01
2.2840E 00	1.5991E 00	1.4101E 00	1.4465E 00	3.1334E 01	8.1548E 00	2.4166E-01
2.5588E 00	1.6634E 00	1.5183E 00	1.5583E 00	3.0969E 01	8.0630E 00	2.2761E-01
2.8337E 00	1.7244E 00	1.6216E 00	1.6650E 00	3.0661E 01	7.9773E 00	2.1584E-01
3.1086E 00	1.7822E 00	1.7209E 00	1.7676E 00	3.0399E 01	7.8976E 00	2.0583E-01
3.3835E 00	1.8377E 00	1.8162E 00	1.8661E 00	3.0172E 01	7.8219E 00	1.9714E-01
3.6584E 00	1.8908E 00	1.9083E 00	1.9613E 00	2.9974E 01	7.7510E 00	1.8955E-01
3.9332E 00	1.9420E 00	1.9974E 00	2.0533E 00	2.9799E 01	7.6837E 00	1.8282E-01
4.4830E 00	2.0392E 00	2.1676E 00	2.2292E 00	2.9504E 01	7.5592E 00	1.7142E-01
5.0328E 00	2.1307E 00	2.3285E 00	2.3955E 00	2.9265E 01	7.4456E 00	1.6204E-01
5.5825E 00	2.2177E 00	2.4813E 00	2.5533E 00	2.9065E 01	7.3405E 00	1.5414E-01
6.1323E 00	2.3005E 00	2.6273E 00	2.7041E 00	2.8896E 01	7.2437E 00	1.4738E-01
6.6820E 00	2.3799E 00	2.7671E 00	2.8484E 00	2.8751E 01	7.1533E 00	1.4149E-01
7.2318E 00	2.4561E 00	2.9015E 00	2.9872E 00	2.8623E 01	7.0690E 00	1.3631E-01
7.7815E 00	2.5298E 00	3.0310E 00	3.1209E 00	2.8511E 01	6.9897E 00	1.3168E-01
8.3313E 00	2.6010E 00	3.1561E 00	3.2501E 00	2.8410E 01	6.9149E 00	1.2753E-01
9.4308E 00	2.7373E 00	3.3945E 00	3.4961E 00	2.8236E 01	6.7771E 00	1.2034E-01
1.0530E 01	2.8662E 00	3.6195E 00	3.7283E 00	2.8090E 01	6.6526E 00	1.1429E-01
1.1630E 01	2.9888E 00	3.8334E 00	3.9489E 00	2.7964E 01	6.5400E 00	1.0911E-01
1.2729E 01	3.1063E 00	4.0370E 00	4.1589E 00	2.7853E 01	6.4362E 00	1.0459E-01
1.3829E 01	3.2190E 00	4.2320E 00	4.3600E 00	2.7753E 01	6.3406E 00	1.0061E-01
1.4928E 01	3.3277E 00	4.4192E 00	4.5530E 00	2.7661E 01	6.2518E 00	9.7049E-02
1.6028E 01	3.4326E 00	4.5996E 00	4.7390E 00	2.7577E 01	6.1693E 00	9.3848E-02
1.7127E 01	3.5342E 00	4.7738E 00	4.9186E 00	2.7499E 01	6.0921E 00	9.0945E-02
1.9326E 01	3.7284E 00	5.1060E 00	5.2611E 00	2.7357E 01	5.9517E 00	8.5865E-02
2.1525E 01	3.9124E 00	5.4195E 00	5.5842E 00	2.7229E 01	5.8267E 00	8.1543E-02
2.5923E 01	4.2554E 00	6.0007E 00	6.1832E 00	2.7003E 01	5.6118E 00	7.4518E-02
3.0322E 01	4.5719E 00	6.5328E 00	6.7316E 00	2.6805E 01	5.4320E 00	6.8993E-02
3.4720E 01	4.8644E 00	7.0305E 00	7.2444E 00	2.6630E 01	5.2811E 00	6.4533E-02
3.9118E 01	5.1397E 00	7.4968E 00	7.7249E 00	2.6471E 01	5.1496E 00	6.0805E-02
4.3516E 01	5.3999E 00	7.9379E 00	8.1794E 00	2.6324E 01	5.0338E 00	5.7632E-02
4.7914E 01	5.6474E 00	8.3571E 00	8.6113E 00	2.6187E 01	4.9304E 00	5.4885E-02
5.2312E 01	5.8834E 00	8.7582E 00	9.0247E 00	2.6060E 01	4.8377E 00	5.2483E-02
6.1108E 01	6.3271E 00	9.5134E 00	9.8028E 00	2.5827E 01	4.6767E 00	4.8451E-02

A = 10.0000E-04

B = 3.0000E-03

EPS = 10.0000E-04

GAM = 10.0000E-03

X	Y	NUC	NUW	ETAMO	NURATIO	DY/DX
0.	4.0000E-03	0.	0.	8.3334E 03	0.	5.1673E 06
10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	2.8068E 03	1.5089E 00	5.2596E 06
2.0000E-12	4.0105E-03	4.9869E-10	4.9869E-10	3.6734E 03	1.7920E 00	5.0709E 06
3.0000E-12	4.0154E-03	7.4711E-10	7.4711E-10	4.1102E 03	1.9807E 00	5.1458E 06
4.0000E-12	4.0206E-03	9.9487E-10	9.9487E-10	4.3903E 03	2.1256E 00	5.2510E 06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	4.7442E 03	2.3461E 00	5.1792E 06
8.0000E-12	4.0417E-03	1.9794E-09	1.9794E-09	4.9677E 03	2.5146E 00	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	5.1252E 03	2.6523E 00	4.9651E 06
1.4000E-11	4.0711E-03	3.4389E-09	3.4389E-09	5.3303E 03	2.8714E 00	4.9653E 06
2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	5.5618E 03	3.1838E 00	4.7986E 06
3.0000E-11	4.1486E-03	7.2314E-09	7.2314E-09	5.6781E 03	3.4092E 00	4.7803E 06
3.8000E-11	4.1867E-03	9.0763E-09	9.0763E-09	5.7401E 03	3.5838E 00	4.5731E 06
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	5.7775E 03	3.7278E 00	4.4351E 06

5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	5.7955E 03	3.8482E 00	4.3283E 06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	5.8020E 03	3.9516E 00	4.2018E 06
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	5.8014E 03	4.0422E 00	4.2010E 06
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	5.7791E 03	4.1906E 00	3.9503E 06
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-08	5.7552E 03	4.3147E 00	3.7471E 06
1.1800E-10	4.5098E-03	2.6165E-08	2.6166E-08	5.7179E 03	4.4166E 00	3.6882E 06
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-08	5.6731E 03	4.4993E 00	3.4591E 06
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	5.6355E 03	4.5755E 00	3.3607E 06
1.6600E-10	4.6752E-03	3.5506E-08	3.5507E-08	5.5932E 03	4.6398E 00	3.3017E 06
1.8200E-10	4.7278E-03	3.8496E-08	3.8496E-08	5.5488E 03	4.6949E 00	3.1505E 06
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-08	5.5084E 03	4.7461E 00	3.1024E 06
2.1400E-10	4.8257E-03	4.4346E-08	4.4346E-08	5.4654E 03	4.7898E 00	2.9943E 06
2.3000E-10	4.8723E-03	4.7206E-08	4.7206E-08	5.4251E 03	4.8302E 00	2.8467E 06
2.4600E-10	4.9165E-03	5.0035E-08	5.0035E-08	5.3872E 03	4.8679E 00	2.8071E 06
2.6200E-10	4.9611E-03	5.2811E-08	5.2811E-08	5.3480E 03	4.9008E 00	2.7192E 06
2.7800E-10	5.0036E-03	5.5560E-08	5.5560E-08	5.3111E 03	4.9317E 00	2.6614E 06
2.9400E-10	5.0459E-03	5.8265E-08	5.8265E-08	5.2740E 03	4.9592E 00	2.6123E 06
3.1000E-10	5.0874E+03	6.0935E-08	6.0935E-08	5.2377E 03	4.9844E 00	2.5540E 06
3.2600E-10	5.1277E-03	6.3576E-08	6.3576E-08	5.2026E 03	5.0078E 00	2.4836E 06
3.5800E-10	5.2044E-03	6.8788E-08	6.8788E-08	5.1369E 03	5.0509E 00	2.3561E 06
4.2200E-10	5.3471E-03	7.8921E-08	7.8921E-08	5.0170E 03	5.1225E 00	2.1933E 06
4.8600E-10	5.4869E-03	8.8575E-08	8.8575E-08	4.9004E 03	5.1713E 00	2.0214E 06
5.5000E-10	5.6105E-03	9.8030E-08	9.8030E-08	4.8023E 03	5.2162E 00	1.8917E 06
6.1400E-10	5.7286E-03	1.0718E-07	1.0718E-07	4.7108E 03	5.2513E 00	1.7736E 06
6.7800E-10	5.8386E-03	1.1612E-07	1.1612E-07	4.6283E 03	5.2816E 00	1.6701E 06
7.4200E-10	5.9426E-03	1.2486E-07	1.2486E-07	4.5524E 03	5.3075E 00	1.5868E 06
8.0600E-10	6.0423E-03	1.3339E-07	1.3339E-07	4.4816E 03	5.3291E 00	1.5267E 06
8.7000E-10	6.1387E-03	1.4172E-07	1.4172E-07	4.4145E 03	5.3466E 00	1.4460E 06
9.3400E-10	6.2281E-03	1.4997E-07	1.4997E-07	4.3544E 03	5.3642E 00	1.3859E 06
9.9800E-10	6.3154E-03	1.5803E-07	1.5803E-07	4.2968E 03	5.3784E 00	1.3254E 06
1.1260E-09	6.4773E-03	1.7384E-07	1.7384E-07	4.1941E 03	5.4046E 00	1.2236E 06
1.2540E-09	6.6284E-03	1.8919E-07	1.8919E-07	4.1020E 03	5.4255E 00	1.1456E 06
1.3820E-09	6.7716E-03	2.0409E-07	2.0409E-07	4.0180E 03	5.4414E 00	1.0693E 06
1.5100E-09	6.9036E-03	2.1873E-07	2.1873E-07	3.9436E 03	5.4568E 00	1.0131E 06
1.6380E-09	7.0317E-03	2.3295E-07	2.3295E-07	3.8735E 03	5.4675E 00	9.5802E 05
1.7660E-09	7.1508E-03	2.4696E-07	2.4696E-07	3.8107E 03	5.4785E 00	9.0970E 05
1.8940E-09	7.2648E-03	2.6071E-07	2.6071E-07	3.7523E 03	5.4877E 00	8.6840E 05
2.1500E-09	7.4787E-03	2.8748E-07	2.8748E-07	3.6471E 03	5.5024E 00	7.9535E 05
2.4060E-09	7.6738E-03	3.1354E-07	3.1354E-07	3.5563E 03	5.5155E 00	7.3687E 05
2.6620E-09	7.8563E-03	3.3884E-07	3.3884E-07	3.4751E 03	5.5253E 00	6.8919E 05
2.9180E-09	8.0272E-03	3.6351E-07	3.6351E-07	3.4021E 03	5.5332E 00	6.4402E 05
3.1740E-09	8.1852E-03	3.8777E-07	3.8778E-07	3.3376E 03	5.5417E 00	6.0926E 05
3.4300E-09	8.3385E-03	4.1134E-07	4.1134E-07	3.2768E 03	5.5463E 00	5.7624E 05
3.6860E-09	8.4820E-03	4.3457E-07	4.3457E-07	3.2221E 03	5.5515E 00	5.4734E 05
3.9420E-09	8.6191E-03	4.5735E-07	4.5736E-07	3.1713E 03	5.5557E 00	5.1979E 05
4.1980E-09	8.7488E-03	4.7984E-07	4.7984E-07	3.1249E 03	5.5601E 00	4.9758E 05
4.4540E-09	8.8743E-03	5.0190E-07	5.0190E-07	3.0811E 03	5.5632E 00	4.7707E 05
4.7100E-09	8.9940E-03	5.2368E-07	5.2368E-07	3.0405E 03	5.5664E 00	4.5794E 05
4.9660E-09	9.1089E-03	5.4518E-07	5.4518E-07	3.0025E 03	5.5694E 00	4.4155E 05
5.2220E-09	9.2202E-03	5.6636E-07	5.6636E-07	2.9665E 03	5.5717E 00	4.2537E 05
5.4780E-09	9.3271E-03	5.8732E-07	5.8732E-07	2.9328E 03	5.5741E 00	4.1119E 05
5.7340E-09	9.4309E-03	6.0800E-07	6.0800E-07	2.9007E 03	5.5761E 00	3.9735E 05
5.9900E-09	9.5309E-03	6.2848E-07	6.2848E-07	2.8705E 03	5.5782E 00	3.8525E 05
6.2460E-09	9.6283E-03	6.4871E-07	6.4871E-07	2.8416E 03	5.5798E 00	3.7349E 05
6.5020E-09	9.7224E-03	6.6876E-07	6.6876E-07	2.8143E 03	5.5816E 00	3.6223E 05
7.0140E-09	9.9026E-03	7.0830E-07	7.0830E-07	2.7635E 03	5.5849E 00	3.4312E 05
7.5260E-09	1.0075E-02	7.4700E-07	7.4701E-07	2.7164E 03	5.5869E 00	3.2562E 05
8.0380E-09	1.0237E-02	7.8515E-07	7.8516E-07	2.6736E 03	5.5894E 00	3.1068E 05
8.5500E-09	1.0393E-02	8.2263E-07	8.2264E-07	2.6336E 03	5.5911E 00	2.9686E 05
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9.5740E-09	1.0685E-02	8.9601E-07	8.9601E-07	2.5621E 03	5.5945E 00	2.7299E 05
1.0086E-08	1.0822E-02	9.3198E-07	9.3199E-07	2.5298E 03	5.5961E 00	2.6301E 05

1.0598E-08	1.0955E-02	9.6744E-07	9.6744E-07	2.4993E 03	5.5972E 00	2.5350E 05
1.1110E-08	1.1082E-02	1.0025E-06	1.0025E-06	2.4707E 03	5.5985E 00	2.4467E 05
1.1622E-08	1.1205E-02	1.0372E-06	1.0372E-06	2.4436E 03	5.5997E 00	2.3690E 05
1.2134E-08	1.1325E-02	1.0714E-06	1.0714E-06	2.4179E 03	5.6006E 00	2.2936E 05
1.2646E-08	1.1441E-02	1.1054E-06	1.1054E-06	2.3936E 03	5.6016E 00	2.2256E 05
1.3158E-08	1.1553E-02	1.1389E-06	1.1389E-06	2.3704E 03	5.6024E 00	2.1608E 05
1.3670E-08	1.1662E-02	1.1722E-06	1.1722E-06	2.3483E 03	5.6032E 00	2.1020E 05
1.4182E-08	1.1768E-02	1.2051E-06	1.2051E-06	2.3271E 03	5.6039E 00	2.0445E 05
1.4694E-08	1.1872E-02	1.2377E-06	1.2377E-06	2.3070E 03	5.6046E 00	1.9930E 05
1.5206E-08	1.1973E-02	1.2701E-06	1.2701E-06	2.2876E 03	5.6051E 00	1.9415E 05
1.6230E-08	1.2166E-02	1.3340E-06	1.3340E-06	2.2513E 03	5.6066E 00	1.8512E 05
1.7254E-08	1.2352E-02	1.3969E-06	1.3969E-06	2.2175E 03	5.6073E 00	1.7686E 05
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2.0326E-08	1.2863E-02	1.5803E-06	1.5803E-06	2.1297E 03	5.6099E 00	1.5660E 05
2.1350E-08	1.3020E-02	1.6398E-06	1.6398E-06	2.1040E 03	5.6106E 00	1.5103E 05
2.2398E-08	1.3319E-02	1.7567E-06	1.7567E-06	2.0568E 03	5.6116E 00	1.4105E 05
2.7494E-08	1.3860E-02	1.9837E-06	1.9837E-06	1.9768E 03	5.6146E 00	1.2518E 05
3.1590E-08	1.4346E-02	2.2020E-06	2.2020E-06	1.9099E 03	5.6159E 00	1.1288E 05
3.5686E-08	1.4789E-02	2.4130E-06	2.4130E-06	1.8528E 03	5.6164E 00	1.0302E 05
3.9782E-08	1.5194E-02	2.6183E-06	2.6184E-06	1.8035E 03	5.6173E 00	9.5010E 04
4.3878E-08	1.5569E-02	2.8183E-06	2.8183E-06	1.7601E 03	5.6179E 00	8.8321E 04
4.7974E-08	1.5918E-02	3.0138E-06	3.0139E-06	1.7215E 03	5.6187E 00	8.2630E 04
5.2070E-08	1.6247E-02	3.2049E-06	3.2049E-06	1.6866E 03	5.6187E 00	7.7712E 04
5.6166E-08	1.6557E-02	3.3924E-06	3.3924E-06	1.6552E 03	5.6191E 00	7.3435E 04
6.4358E-08	1.7129E-02	3.7573E-06	3.7573E-06	1.5999E 03	5.6194E 00	6.6317E 04
7.2550E-08	1.7647E-02	4.1111E-06	4.1112E-06	1.5529E 03	5.6202E 00	6.0639E 04
8.0742E-08	1.8123E-02	4.4551E-06	4.4552E-06	1.5122E 03	5.6209E 00	5.5989E 04
8.8934E-08	1.8566E-02	4.7902E-06	4.7903E-06	1.4762E 03	5.6211E 00	5.2081E 04
9.7126E-08	1.8978E-02	5.1178E-06	5.1178E-06	1.4441E 03	5.6214E 00	4.8758E 04
1.1351E-07	1.9734E-02	5.7521E-06	5.7522E-06	1.3888E 03	5.6211E 00	4.3371E 04
1.2989E-07	2.0411E-02	6.3638E-06	6.3639E-06	1.3427E 03	5.6217E 00	3.9194E 04
1.4628E-07	2.1020E-02	6.9591E-06	6.9591E-06	1.3040E 03	5.6226E 00	3.5889E 04
1.6266E-07	2.1586E-02	7.5354E-06	7.5355E-06	1.2697E 03	5.6223E 00	3.3138E 04
1.7905E-07	2.2109E-02	8.0984E-06	8.0986E-06	1.2398E 03	5.6227E 00	3.0845E 04
1.9543E-07	2.2600E-02	8.6473E-06	8.6474E-06	1.2128E 03	5.6222E 00	2.8876E 04
2.1181E-07	2.3058E-02	9.1860E-06	9.1861E-06	1.1867E 03	5.6225E 00	2.7188E 04
2.2820E-07	2.3491E-02	9.7140E-06	9.7142E-06	1.1668E 03	5.6226E 00	2.5713E 04
2.4458E-07	2.3902E-02	1.0233E-05	1.0233E-05	1.1468E 03	5.6227E 00	2.4412E 04
2.6097E-07	2.4292E-02	1.0743E-05	1.0743E-05	1.1284E 03	5.6227E 00	2.3254E 04
2.9373E-07	2.5020E-02	1.1740E-05	1.1740E-05	1.0955E 03	5.6229E 00	2.1282E 04
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3.9204E-07	2.6892E-02	1.4578E-05	1.4578E-05	1.0193E 03	5.6230E 00	1.7140E 04
4.2481E-07	2.7437E-02	1.5483E-05	1.5483E-05	9.9910E 02	5.6231E 00	1.6141E 04
4.9034E-07	2.8441E-02	1.7241E-05	1.7241E-05	9.6384E 02	5.6228E 00	1.4492E 04
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6.2141E-07	3.0174E-02	2.0594E-05	2.0595E-05	9.0850E 02	5.6231E 00	1.2136E 04
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7.5249E-07	3.1652E-02	2.3773E-05	2.3774E-05	8.6612E 02	5.6233E 00	1.0515E 04
8.1802E-07	3.2322E-02	2.5308E-05	2.5309E-05	8.4816E 02	5.6228E 00	9.8745E 03
8.8356E-07	3.2950E-02	2.6814E-05	2.6815E-05	8.3200E 02	5.6229E 00	9.3208E 03
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1.0146E-06	3.4110E-02	2.9745E-05	2.9746E-05	8.0374E 02	5.6229E 00	8.4024E 03
1.0802E-06	3.4648E-02	3.1175E-05	3.1176E-05	7.9127E 02	5.6229E 00	8.0175E 03
1.2112E-06	3.5653E-02	3.3972E-05	3.3973E-05	7.6898E 02	5.6230E 00	7.3584E 03
1.3423E-06	3.6580E-02	3.6694E-05	3.6696E-05	7.4951E 02	5.6231E 00	6.8133E 03
1.4734E-06	3.7443E-02	3.9349E-05	3.9350E-05	7.3224E 02	5.6229E 00	6.3530E 03
1.6045E-06	3.8249E-02	4.1946E-05	4.1948E-05	7.1683E 02	5.6230E 00	5.9602E 03
1.8666E-06	3.9727E-02	4.6984E-05	4.6987E-05	6.9017E 02	5.6226E 00	5.3198E 03
2.1287E-06	4.1051E-02	5.1855E-05	5.1858E-05	6.6795E 02	5.6230E 00	4.8220E 03
2.3909E-06	4.2257E-02	5.6578E-05	5.6581E-05	6.4891E 02	5.6234E 00	4.4209E 03

2.6530E-06	4.3372E-02	6.1168E-05	6.1171E-05	6.3226E-02	5.6232E-00	4.0891E-03
2.9152E-06	4.4409E-02	6.5641E-05	6.5645E-05	6.1749E-02	5.6228E-00	3.8094E-03
3.1773E-06	4.5375E-02	7.0021E-05	7.0025E-05	6.0436E-02	5.6228E-00	3.5714E-03
3.4395E-06	4.6284E-02	7.4310E-05	7.4314E-05	5.9251E-02	5.6227E-00	3.3653E-03
3.7016E-06	4.7141E-02	7.8519E-05	7.8525E-05	5.8175E-02	5.6228E-00	3.1853E-03
3.9637E-06	4.7955E-02	8.2652E-05	8.2658E-05	5.7189E-02	5.6227E-00	3.0259E-03
4.4880E-06	4.9468E-02	9.0724E-05	9.0730E-05	5.5443E-02	5.6227E-00	2.7571E-03
5.0123E-06	5.0855E-02	9.8557E-05	9.8565E-05	5.3932E-02	5.6225E-00	2.5377E-03
5.5366E-06	5.2137E-02	1.0619E-04	1.0620E-04	5.2608E-02	5.6223E-00	2.3553E-03
6.0609E-06	5.3330E-02	1.1364E-04	1.1365E-04	5.1434E-02	5.6223E-00	2.2010E-03
7.1095E-06	5.5496E-02	1.2810E-04	1.2811E-04	4.9431E-02	5.6228E-00	1.9535E-03
8.1581E-06	5.7429E-02	1.4205E-04	1.4206E-04	4.7772E-02	5.6236E-00	1.7630E-03
9.2066E-06	5.9201E-02	1.5551E-04	1.5552E-04	4.6343E-02	5.6227E-00	1.6096E-03
1.0255E-05	6.0821E-02	1.6860E-04	1.6862E-04	4.5111E-02	5.6225E-00	1.4846E-03
1.1304E-05	6.2325E-02	1.8136E-04	1.8138E-04	4.4024E-02	5.6220E-00	1.3798E-03
1.2352E-05	6.3716E-02	1.9385E-04	1.9388E-04	4.3067E-02	5.6225E-00	1.2916E-03
1.3401E-05	6.5032E-02	2.0605E-04	2.0608E-04	4.2196E-02	5.6221E-00	1.2149E-03
1.4450E-05	6.6269E-02	2.1803E-04	2.1806E-04	4.1411E-02	5.6221E-00	1.1482E-03
1.5498E-05	6.7442E-02	2.2978E-04	2.2982E-04	4.0693E-02	5.6219E-00	1.0895E-03
1.6547E-05	6.8555E-02	2.4134E-04	2.4138E-04	4.0033E-02	5.6218E-00	1.0373E-03
1.7595E-05	6.9619E-02	2.5272E-04	2.5276E-04	3.9424E-02	5.6216E-00	9.9063E-02
1.9692E-05	7.1608E-02	2.7498E-04	2.7502E-04	3.8321E-02	5.6214E-00	9.1049E-02
2.1790E-05	7.3447E-02	2.9665E-04	2.9670E-04	3.7375E-02	5.6211E-00	8.4396E-02
2.3887E-05	7.5157E-02	3.1780E-04	3.1785E-04	3.6527E-02	5.6209E-00	7.8778E-02
2.5984E-05	7.6757E-02	3.3849E-04	3.3855E-04	3.5768E-02	5.6207E-00	7.3964E-02
3.0178E-05	7.9686E-02	3.7868E-04	3.7875E-04	3.4458E-02	5.6205E-00	6.6126E-02
3.4372E-05	8.2314E-02	4.1753E-04	4.1762E-04	3.3363E-02	5.6209E-00	6.0008E-02
3.8567E-05	8.4730E-02	4.5512E-04	4.5522E-04	3.2414E-02	5.6200E-00	5.5034E-02
4.2761E-05	8.6950E-02	4.9174E-04	4.9185E-04	3.1591E-02	5.6197E-00	5.0939E-02
5.1150E-05	9.0976E-02	5.6216E-04	5.6216E-04	3.0196E-02	5.6170E-00	4.4491E-02
5.9538E-05	9.4530E-02	6.2975E-04	6.2992E-04	2.9064E-02	5.6149E-00	3.9676E-02
6.7927E-05	9.7682E-02	6.9529E-04	6.9548E-04	2.8133E-02	5.6157E-00	3.5972E-02
7.6315E-05	1.0058E-01	7.5863E-04	7.5886E-04	2.7326E-02	5.6149E-00	3.2963E-02
8.4704E-05	1.0323E-01	8.2038E-04	8.2064E-04	2.6629E-02	5.6151E-00	3.0497E-02
9.3093E-05	1.0571E-01	8.8045E-04	8.8075E-04	2.6007E-02	5.6142E-00	2.8409E-02
1.0148E-04	1.0802E-01	9.3932E-04	9.3965E-04	2.5457E-02	5.6143E-00	2.6639E-02
1.0987E-04	1.1019E-01	9.9693E-04	9.9729E-04	2.4959E-02	5.6141E-00	2.5104E-02
1.1826E-04	1.1223E-01	1.0535E-03	1.0539E-03	2.4507E-02	5.6140E-00	2.3763E-02
1.2665E-04	1.1418E-01	1.1090E-03	1.1094E-03	2.4093E-02	5.6137E-00	2.2576E-02
1.4342E-04	1.1779E-01	1.2174E-03	1.2179E-03	2.3361E-02	5.6135E-00	2.0574E-02
1.6020E-04	1.2110E-01	1.3226E-03	1.3232E-03	2.2727E-02	5.6129E-00	1.8941E-02
1.9376E-04	1.2703E-01	1.5249E-03	1.5256E-03	2.1675E-02	5.6114E-00	1.6426E-02
2.2731E-04	1.3225E-01	1.7183E-03	1.7192E-03	2.0827E-02	5.6093E-00	1.4570E-02
2.6086E-04	1.3686E-01	1.9055E-03	1.9066E-03	2.0133E-02	5.6101E-00	1.3157E-02
2.9442E-04	1.4108E-01	2.0864E-03	2.0876E-03	1.9539E-02	5.6096E-00	1.2022E-02
3.2797E-04	1.4494E-01	2.2621E-03	2.2635E-03	1.9024E-02	5.6092E-00	1.1093E-02
3.6153E-04	1.4854E-01	2.4330E-03	2.4346E-03	1.8568E-02	5.6080E-00	1.0313E-02
3.9508E-04	1.5189E-01	2.6002E-03	2.6020E-03	1.8165E-02	5.6075E-00	9.6524E-01
4.2864E-04	1.5503E-01	2.7638E-03	2.7658E-03	1.7801E-02	5.6067E-00	9.0822E-01
4.9575E-04	1.6079E-01	3.0820E-03	3.0844E-03	1.7173E-02	5.6061E-00	8.1513E-01
5.6285E-04	1.6599E-01	3.3894E-03	3.3922E-03	1.6643E-02	5.6053E-00	7.4164E-01
6.2996E-04	1.7078E-01	3.6872E-03	3.6903E-03	1.6184E-02	5.6037E-00	6.8173E-01
6.9707E-04	1.7518E-01	3.9774E-03	3.9810E-03	1.5785E-02	5.6029E-00	6.3226E-01
7.6418E-04	1.7928E-01	4.2605E-03	4.2645E-03	1.5430E-02	5.6018E-00	5.9040E-01
8.3129E-04	1.8311E-01	4.5376E-03	4.5421E-03	1.5114E-02	5.6012E-00	5.5463E-01
8.9840E-04	1.8673E-01	4.8088E-03	4.8137E-03	1.4826E-02	5.6002E-00	5.2344E-01
1.0326E-03	1.9338E-01	5.3369E-03	5.3427E-03	1.4327E-02	5.5989E-00	4.7204E-01
1.1668E-03	1.9943E-01	5.8475E-03	5.8543E-03	1.3902E-02	5.5974E-00	4.3104E-01
1.3011E-03	2.0499E-01	6.3430E-03	6.3508E-03	1.3533E-02	5.5956E-00	3.9747E-01
1.4353E-03	2.1013E-01	6.8260E-03	6.8348E-03	1.3210E-02	5.5942E-00	3.6951E-01
1.5695E-03	2.1493E-01	7.2975E-03	7.3073E-03	1.2923E-02	5.5928E-00	3.4577E-01
1.7037E-03	2.1942E-01	7.7590E-03	7.7699E-03	1.2665E-02	5.5915E-00	3.2535E-01

1.8379E-03	2.2367E-01	8.2110E-03	8.2229E-03	1.2431E 02	5.5931E 00	3.0752E 01
1.9721E-03	2.2769E-01	8.6548E-03	8.6679E-03	1.2218E 02	5.5889E 00	2.9185E 01
2.1064E-03	2.3152E-01	9.0910E-03	9.1051E-03	1.2022E 02	5.5877E 00	2.7794E 01
2.3748E-03	2.3865E-01	9.9429E-03	9.9593E-03	1.1674E 02	5.5855E 00	2.5431E 01
2.6432E-03	2.4521E-01	1.0770E-02	1.0789E-02	1.1372E 02	5.5833E 00	2.3492E 01
2.9117E-03	2.5129E-01	1.1576E-02	1.1597E-02	1.1106E 02	5.5812E 00	2.1867E 01
3.1801E-03	2.5697E-01	1.2363E-02	1.2387E-02	1.0870E 02	5.5793E 00	2.0487E 01
3.7170E-03	2.6734E-01	1.3889E-02	1.3918E-02	1.0465E 02	5.5759E 00	1.8258E 01
4.2538E-03	2.7661E-01	1.5362E-02	1.5395E-02	1.0129E 02	5.5734E 00	1.6535E 01
4.7907E-03	2.8513E-01	1.6782E-02	1.6821E-02	9.8390E 01	5.5696E 00	1.5142E 01
5.3276E-03	2.9294E-01	1.8164E-02	1.8209E-02	9.5888E 01	5.5666E 00	1.4002E 01
5.8645E-03	3.0021E-01	1.9509E-02	1.9559E-02	9.3678E 01	5.5634E 00	1.3045E 01
6.4013E-03	3.0699E-01	2.0824E-02	2.0880E-02	9.1717E 01	5.5608E 00	1.2231E 01
6.9382E-03	3.1337E-01	2.2110E-02	2.2171E-02	8.9947E 01	5.5580E 00	1.1527E 01
8.0119E-03	3.2508E-01	2.4610E-02	2.4682E-02	8.6890E 01	5.5535E 00	1.0374E 01
9.0857E-03	3.3573E-01	2.7020E-02	2.7105E-02	8.4298E 01	5.5486E 00	9.4593E 00
1.0159E-02	3.4549E-01	2.9357E-02	2.9455E-02	8.2068E 01	5.5441E 00	8.7161E 00
1.1233E-02	3.5451E-01	3.1631E-02	3.1741E-02	8.0119E 01	5.5400E 00	8.0989E 00
1.2307E-02	3.6290E-01	3.3851E-02	3.3974E-02	7.8397E 01	5.5364E 00	7.5780E 00
1.3381E-02	3.7080E-01	3.6018E-02	3.6154E-02	7.6851E 01	5.5326E 00	7.1296E 00
1.4454E-02	3.7823E-01	3.8141E-02	3.8291E-02	7.5456E 01	5.5292E 00	6.7404E 00
1.5528E-02	3.8529E-01	4.0221E-02	4.0384E-02	7.4184E 01	5.5257E 00	6.3979E 00
1.7676E-02	3.9838E-01	4.4274E-02	4.4465E-02	7.1948E 01	5.5193E 00	5.8240E 00
1.9823E-02	4.1038E-01	4.8195E-02	4.8414E-02	7.0029E 01	5.5131E 00	5.3593E 00
2.1971E-02	4.2147E-01	5.2005E-02	5.2253E-02	6.8357E 01	5.5072E 00	4.9749E 00
2.4118E-02	4.3179E-01	5.5717E-02	5.5995E-02	6.6882E 01	5.5018E 00	4.6512E 00
2.8413E-02	4.5055E-01	6.2894E-02	6.3232E-02	6.4385E 01	5.4921E 00	4.1348E 00
3.2708E-02	4.6732E-01	6.9791E-02	7.0190E-02	6.2333E 01	5.4838E 00	3.7396E 00
3.7003E-02	4.8274E-01	7.6421E-02	7.6883E-02	6.0575E 01	5.4740E 00	3.4221E 00
4.1298E-02	4.9686E-01	8.2854E-02	8.3381E-02	5.9068E 01	5.4656E 00	3.1641E 00
4.5593E-02	5.1001E-01	8.9100E-02	8.9692E-02	5.7745E 01	5.4572E 00	2.9484E 00
4.9888E-02	5.2220E-01	9.5205E-02	9.5864E-02	5.6585E 01	5.4505E 00	2.7669E 00
5.4183E-02	5.3376E-01	1.0115E-01	1.0187E-01	5.5533E 01	5.4429E 00	2.6092E 00
5.8478E-02	5.4465E-01	1.0697E-01	1.0776E-01	5.4589E 01	5.4361E 00	2.4725E 00
6.2773E-02	5.5501E-01	1.1267E-01	1.1353E-01	5.3727E 01	5.4294E 00	2.3519E 00
6.7068E-02	5.6487E-01	1.1826E-01	1.1920E-01	5.2939E 01	5.4230E 00	2.2450E 00
7.1363E-02	5.7431E-01	1.2376E-01	1.2476E-01	5.2212E 01	5.4167E 00	2.1492E 00
7.9953E-02	5.9203E-01	1.3448E-01	1.3562E-01	5.0915E 01	5.4049E 00	1.9849E 00
8.8543E-02	6.0849E-01	1.4487E-01	1.4616E-01	4.9785E 01	5.3936E 00	1.8485E 00
9.7133E-02	6.2387E-01	1.5498E-01	1.5641E-01	4.8788E 01	5.3829E 00	1.7333E 00
1.0572E-01	6.3832E-01	1.6484E-01	1.6642E-01	4.7899E 01	5.3728E 00	1.6346E 00
1.2290E-01	6.6494E-01	1.8389E-01	1.8577E-01	4.6375E 01	5.3539E 00	1.4736E 00
1.4008E-01	6.8904E-01	2.0221E-01	2.0439E-01	4.5109E 01	5.3369E 00	1.3479E 00
1.5726E-01	7.1135E-01	2.1984E-01	2.2232E-01	4.4022E 01	5.3199E 00	1.2455E 00
1.7444E-01	7.3199E-01	2.3692E-01	2.3970E-01	4.3083E 01	5.3043E 00	1.1611E 00
2.0880E-01	7.6977E-01	2.6955E-01	2.7295E-01	4.1510E 01	5.2736E 00	1.0281E 00
2.4316E-01	8.0355E-01	3.0060E-01	3.0462E-01	4.0247E 01	5.2461E 00	9.2851E-01
2.7752E-01	8.3395E-01	3.3045E-01	3.3510E-01	3.9216E 01	5.2228E 00	8.5142E-01
3.1188E-01	8.6218E-01	3.5910E-01	3.6433E-01	3.8333E 01	5.1998E 00	7.8873E-01
3.4624E-01	8.8834E-01	3.8681E-01	3.9271E-01	3.7575E 01	5.1789E 00	7.3712E-01
3.8060E-01	9.1298E-01	4.1362E-01	4.2014E-01	3.6908E 01	5.1584E 00	6.9343E-01
4.1496E-01	9.3613E-01	4.3970E-01	4.4685E-01	3.6320E 01	5.1395E 00	6.5619E-01
4.4932E-01	9.5815E-01	4.6506E-01	4.7283E-01	3.5792E 01	5.1211E 00	6.2381E-01
5.1804E-01	9.9902E-01	5.1404E-01	5.2305E-01	3.4889E 01	5.0874E 00	5.7047E-01
5.8676E-01	1.0367E 00	5.6089E-01	5.7113E-01	3.4134E 01	5.0560E 00	5.2797E-01
6.5548E-01	1.0718E 00	6.0585E-01	6.1730E-01	3.3489E 01	5.0259E 00	4.9308E-01
7.2420E-01	1.1046E 00	6.4928E-01	6.6193E-01	3.2933E 01	4.9982E 00	4.6403E-01
7.9292E-01	1.1357E 00	6.9129E-01	7.0512E-01	3.2444E 01	4.9717E 00	4.3930E-01
8.6164E-01	1.1650E 00	7.3207E-01	7.4707E-01	3.2013E 01	4.9468E 00	4.1802E-01
9.3036E-01	1.1931E 00	7.7167E-01	7.8783E-01	3.1626E 01	4.9228E 00	3.9939E-01
9.9908E-01	1.2200E 00	8.1026E-01	8.2756E-01	3.1277E 01	4.9000E 00	3.8298E-01
1.0678E 00	1.2458E 00	8.4788E-01	8.6631E-01	3.0961E 01	4.8780E 00	3.6838E-01

1.2052E 00	1.2947E 00	9.2060E-01	9.4125E-01	3.0408E 01	4.8365E 00	3.4349E-01
1.3427E 00	1.3404E 00	9.9026E-01	1.0131E 00	2.9938E 01	4.7978E 00	3.2296E-01
1.4801E 00	1.3836E 00	1.0573E 00	1.0822E 00	2.9533E 01	4.7614E 00	3.0570E-01
1.6176E 00	1.4246E 00	1.1220E 00	1.1489E 00	2.9179E 01	4.7272E 00	2.9096E-01
1.7550E 00	1.4637E 00	1.1845E 00	1.2135E 00	2.8866E 01	4.6947E 00	2.7817E-01
2.0299E 00	1.5365E 00	1.3046E 00	1.3375E 00	2.8343E 01	4.6361E 00	2.5720E-01
2.3047E 00	1.6047E 00	1.4179E 00	1.4545E 00	2.7910E 01	4.5809E 00	2.4035E-01
2.5796E 00	1.6688E 00	1.5257E 00	1.5659E 00	2.7547E 01	4.5297E 00	2.2652E-01
3.1294E 00	1.7879E 00	1.7268E 00	1.7737E 00	2.6963E 01	4.4353E 00	2.0490E-01
3.6791E 00	1.8971E 00	1.9128E 00	1.9659E 00	2.6514E 01	4.3515E 00	1.8870E-01
4.2289E 00	1.9969E 00	2.0883E 00	2.1472E 00	2.6163E 01	4.2795E 00	1.7619E-01
4.7786E 00	2.0908E 00	2.2534E 00	2.3178E 00	2.5872E 01	4.2134E 00	1.6599E-01
5.3284E 00	2.1795E 00	2.4100E 00	2.4795E 00	2.5625E 01	4.1527E 00	1.5750E-01
5.8782E 00	2.2643E 00	2.5589E 00	2.6332E 00	2.5410E 01	4.0962E 00	1.5025E-01
6.4279E 00	2.3451E 00	2.7015E 00	2.7805E 00	2.5222E 01	4.0441E 00	1.4403E-01
6.9777E 00	2.4228E 00	2.8383E 00	2.9218E 00	2.5055E 01	3.9952E 00	1.3852E-01
8.0772E 00	2.5697E 00	3.0973E 00	3.1891E 00	2.4766E 01	3.9066E 00	1.2932E-01
9.1767E 00	2.7078E 00	3.3393E 00	3.4388E 00	2.4522E 01	3.8274E 00	1.2182E-01
1.0276E 01	2.8383E 00	3.5672E 00	3.6739E 00	2.4309E 01	3.7560E 00	1.1555E-01
1.1376E 01	2.9623E 00	3.7834E 00	3.8970E 00	2.4120E 01	3.6912E 00	1.1019E-01
1.2475E 01	3.0808E 00	3.9893E 00	4.1093E 00	2.3948E 01	3.6319E 00	1.0554E-01
1.3575E 01	3.1946E 00	4.1863E 00	4.3123E 00	2.3791E 01	3.5772E 00	1.0145E-01
1.5774E 01	3.4099E 00	4.5572E 00	4.6947E 00	2.3508E 01	3.4795E 00	9.4526E-02
1.7973E 01	3.6113E 00	4.9028E 00	5.0508E 00	2.3258E 01	3.3943E 00	8.8861E-02
2.0172E 01	3.8010E 00	5.2279E 00	5.3859E 00	2.3032E 01	3.3192E 00	8.4108E-02
2.2371E 01	3.9815E 00	5.5350E 00	5.7023E 00	2.2823E 01	3.2518E 00	8.0028E-02
2.4570E 01	4.1535E 00	5.8274E 00	6.0035E 00	2.2629E 01	3.1911E 00	7.6482E-02
2.8968E 01	4.4768E 00	6.3743E 00	6.5669E 00	2.2276E 01	3.0850E 00	7.0570E-02
3.3366E 01	4.7764E 00	6.8816E 00	7.0895E 00	2.1961E 01	2.9956E 00	6.5818E-02
3.7764E 01	5.0559E 00	7.3581E 00	7.5804E 00	2.1677E 01	2.9190E 00	6.1898E-02
4.2162E 01	5.3209E 00	7.8061E 00	8.0417E 00	2.1414E 01	2.8511E 00	5.8564E-02
4.6560E 01	5.5719E 00	8.2320E 00	8.4804E 00	2.1170E 01	2.7910E 00	5.5699E-02
5.0958E 01	5.8115E 00	8.6383E 00	8.9888E 00	2.0942E 01	2.7371E 00	5.3196E-02
5.5356E 01	6.0404E 00	9.0282E 00	9.3003E 00	2.0728E 01	2.6884E 00	5.0989E-02
5.9754E 01	6.2604E 00	9.4031E 00	9.6865E 00	2.0527E 01	2.6440E 00	4.9022E-02
6.8550E 01	6.6762E 00	1.0116E 01	1.0420E 01	2.0156E 01	2.5660E 00	4.5658E-02

A = 10.0000E-04

B = 3.0000E-03

EPS = 10.0000E-03

GAM = 10.0000E-03

X	Y	NUC	NUW	ETAMO	NURATIO	DY/DX
0.	4.0000E-03	0.	0.	8.3334E 03	0.	5.1673E 06
10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	-1.4642E 03	8.5039E-01	5.2596E 06
2.0000E-12	4.0105E-03	4.9869E-10	4.9869E-10	8.1946E 01	1.0100E 00	5.0709E 06
3.0000E-12	4.0154E-03	7.4711E-10	7.4711E-10	8.6497E 02	1.1163E 00	5.1458E 06
4.0000E-12	4.0206E-03	9.9487E-10	9.9487E-10	1.3703E 03	1.1980E 00	5.2510E 06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	2.0153E 03	1.3223E 00	5.1792E 06
8.0000E-12	4.0417E-03	1.9794E-09	1.9794E-09	2.4281E 03	1.4173E 00	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	2.7235E 03	1.4949E 00	4.9651E 06
1.4000E-11	4.0711E-03	3.4389E-09	3.4389E-09	3.1283E 03	1.6183E 00	4.9653E 06
2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	3.5898E 03	1.7944E 00	4.7986E 06
3.0000E-11	4.1486E-03	7.2314E-09	7.2314E-09	3.8532E 03	1.9214E 00	4.7803E 06
3.8000E-11	4.1867E-03	9.0763E-09	9.0763E-09	4.0199E 03	2.0198E 00	4.5731E 06
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	4.1375E 03	2.1010E 00	4.4351E 06
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	4.2200E 03	2.1689E 00	4.3283E 06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	4.2799E 03	2.2271E 00	4.2018E 06
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	4.3248E 03	2.2782E 00	4.2010E 06
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	4.3766E 03	2.3618E 00	3.9503E 06
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-08	4.4093E 03	2.4318E 00	3.7471E 06
1.1800E-10	4.5098E-03	2.6165E-08	2.6165E-08	4.4220E 03	2.4892E 00	3.6882E 06
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-08	4.4178E 03	2.5358E 00	3.4591E 06
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	4.4151E 03	2.5788E 00	3.3607E 06
1.6600E-10	4.6752E-03	3.5506E-08	3.5507E-08	4.4033E 03	2.6150E 00	3.3017E 06

1.8200E-10	4.7278E-03	3.8496E-08	3.8496E-08	4.3860E 03	2.6461E 00	3.1505E 06
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-08	4.3698E 03	2.6749E 00	3.1024E 06
2.1400E-10	4.8257E-03	4.4346E-08	4.4346E-08	4.3488E 03	2.6995E 00	2.9943E 06
2.3000E-10	4.8723E-03	4.7206E-08	4.7206E-08	4.3284E 03	2.7223E 00	2.8467E 06
2.4600E-10	4.9165E-03	5.0035E-08	5.0035E-08	4.3087E 03	2.7436E 00	2.8071E 06
2.6200E-10	4.9611E-03	5.2811E-08	5.2811E-08	4.2864E 03	2.7621E 00	2.7192E 06
2.7800E-10	5.0036E-03	5.5560E-08	5.5560E-08	4.2651E 03	2.7795E 00	2.6614E 06
2.9400E-10	5.0459E-03	5.8265E-08	5.8265E-08	4.2426E 03	2.7950E 00	2.6123E 06
3.1000E-10	5.0874E-03	6.0935E-08	6.0935E-08	4.2198E 03	2.8092E 00	2.5540E 06
3.2600E-10	5.1277E-03	6.3576E-08	6.3576E-08	4.1975E 03	2.8224E 00	2.4836E 06
3.5800E-10	5.2044E-03	6.8788E-08	6.8788E-08	4.1550E 03	2.8467E 00	2.3561E 06
4.2200E-10	5.3471E-03	7.8921E-08	7.8921E-08	4.0747E 03	2.8870E 00	2.1933E 06
4.8600E-10	5.4869E-03	8.8575E-08	8.8575E-08	3.9907E 03	2.9146E 00	2.0214E 06
5.5000E-10	5.6105E-03	9.8030E-08	9.8030E-08	3.9204E 03	2.9399E 00	1.8917E 06
6.1400E-10	5.7286E-03	1.0718E-07	1.0718E-07	3.8528E 03	2.9596E 00	1.7736E 06
6.7800E-10	5.8386E-03	1.1612E-07	1.1612E-07	3.7913E 03	2.9767E 00	1.6701E 06
7.4200E-10	5.9426E-03	1.2486E-07	1.2486E-07	3.7341E 03	2.9913E 00	1.5868E 06
8.0600E-10	6.0423E-03	1.3339E-07	1.3339E-07	3.6800E 03	3.0035E 00	1.5267E 06
8.7000E-10	6.1387E-03	1.4172E-07	1.4172E-07	3.6281E 03	3.0133E 00	1.4460E 06
9.3400E-10	6.2281E-03	1.4997E-07	1.4997E-07	3.5818E 03	3.0232E 00	1.3859E 06
9.9800E-10	6.3154E-03	1.5803E-07	1.5803E-07	3.5369E 03	3.0313E 00	1.3254E 06
1.1260E-09	6.4773E-03	1.7384E-07	1.7384E-07	3.4568E 03	3.0460E 00	1.2236E 06
1.2540E-09	6.6284E-03	1.8919E-07	1.8919E-07	3.3843E 03	3.0578E 00	1.1456E 06
1.3820E-09	6.7716E-03	2.0409E-07	2.0409E-07	3.3175E 03	3.0668E 00	1.0693E 06
1.5100E-09	6.9036E-03	2.1873E-07	2.1873E-07	3.2585E 03	3.0754E 00	1.0131E 06
1.6380E-09	7.0317E-03	2.3295E-07	2.3295E-07	3.2022E 03	3.0815E 00	9.5802E 05
1.7660E-09	7.1508E-03	2.4696E-07	2.4696E-07	3.1518E 03	3.0877E 00	9.0970E 05
1.8940E-09	7.2648E-03	2.6071E-07	2.6071E-07	3.1049E 03	3.0929E 00	8.6840E 05
2.1500E-09	7.4787E-03	2.8748E-07	2.8748E-07	3.0199E 03	3.1011E 00	7.9535E 05
2.4060E-09	7.6738E-03	3.1354E-07	3.1354E-07	2.9465E 03	3.1085E 00	7.3687E 05
2.6620E-09	7.8563E-03	3.3884E-07	3.3884E-07	2.8805E 03	3.1141E 00	6.8919E 05
2.9180E-09	8.0272E-03	3.6351E-07	3.6351E-07	2.8210E 03	3.1185E 00	6.4402E 05
3.1740E-09	8.1852E-03	3.8777E-07	3.8778E-07	2.7686E 03	3.1233E 00	6.0926E 05
3.4300E-09	8.3385E-03	4.1134E-07	4.1134E-07	2.7187E 03	3.1259E 00	5.7624E 05
3.6860E-09	8.4820E-03	4.3457E-07	4.3457E-07	2.6739E 03	3.1288E 00	5.4734E 05
3.9420E-09	8.6191E-03	4.5735E-07	4.5736E-07	2.6323E 03	3.1312E 00	5.1979E 05
4.1980E-09	8.7488E-03	4.7984E-07	4.7984E-07	2.5943E 03	3.1337E 00	4.9758E 05
4.4540E-09	8.8743E-03	5.0190E-07	5.0190E-07	2.5583E 03	3.1354E 00	4.7707E 05
4.7100E-09	8.9940E-03	5.2368E-07	5.2368E-07	2.5249E 03	3.1372E 00	4.5794E 05
4.9660E-09	9.1089E-03	5.4518E-07	5.4518E-07	2.4937E 03	3.1389E 00	4.4155E 05
5.2220E-09	9.2202E-03	5.6636E-07	5.6636E-07	2.4640E 03	3.1402E 00	4.2537E 05
5.4780E-09	9.3271E-03	5.8732E-07	5.8732E-07	2.4363E 03	3.1416E 00	4.1119E 05
5.7340E-09	9.4309E-03	6.0800E-07	6.0800E-07	2.4099E 03	3.1427E 00	3.9735E 05
5.9900E-09	9.5309E-03	6.2848E-07	6.2848E-07	2.3850E 03	3.1439E 00	3.8525E 05
6.2460E-09	9.6283E-03	6.4871E-07	6.4871E-07	2.3612E 03	3.1448E 00	3.7349E 05
6.5020E-09	9.7224E-03	6.6876E-07	6.6876E-07	2.3387E 03	3.1458E 00	3.6223E 05
7.0140E-09	9.9026E-03	7.0830E-07	7.0830E-07	2.2968E 03	3.1476E 00	3.4312E 05
7.5260E-09	1.0075E-02	7.4700E-07	7.4701E-07	2.2579E 03	3.1488E 00	3.2562E 05
8.0380E-09	1.0237E-02	7.8515E-07	7.8516E-07	2.2225E 03	3.1502E 00	3.1068E 05
8.5500E-09	1.0393E-02	8.2263E-07	8.2264E-07	2.1895E 03	3.1512E 00	2.9686E 05
9.0620E-09	1.0542E-02	8.5960E-07	8.5960E-07	2.1589E 03	3.1522E 00	2.8459E 05
9.5740E-09	1.0685E-02	8.9601E-07	8.9601E-07	2.1303E 03	3.1531E 00	2.7299E 05
1.0086E-08	1.0822E-02	9.3198E-07	9.3199E-07	2.1036E 03	3.1540E 00	2.6301E 05
1.0598E-08	1.0955E-02	9.6744E-07	9.6744E-07	2.0784E 03	3.1546E 00	2.5350E 05
1.1110E-08	1.1082E-02	1.0025E-06	1.0025E-06	2.0547E 03	3.1553E 00	2.4467E 05
1.1622E-08	1.1205E-02	1.0372E-06	1.0372E-06	2.0323E 03	3.1560E 00	2.3690E 05
1.2134E-08	1.1325E-02	1.0714E-06	1.0714E-06	2.0110E 03	3.1565E 00	2.2936E 05
1.2646E-08	1.1441E-02	1.1054E-06	1.1054E-06	1.9908E 03	3.1571E 00	2.2256E 05
1.3158E-08	1.1553E-02	1.1389E-06	1.1389E-06	1.9716E 03	3.1575E 00	2.1608E 05
1.3670E-08	1.1662E-02	1.1722E-06	1.1722E-06	1.9533E 03	3.1580E 00	2.1020E 05
1.4182E-08	1.1768E-02	1.2051E-06	1.2051E-06	1.9357E 03	3.1583E 00	2.0445E 05
1.4694E-08	1.1872E-02	1.2377E-06	1.2377E-06	1.9190E 03	3.1588E 00	1.9930E 05

1.5206E-08	1.1973E-02	1.2701E-06	1.2701E-06	1.9029E 03	3.1591E 00	1.9415E 05
1.6230E-08	1.2166E-02	1.3340E-06	1.3340E-06	1.8729E 03	3.1599E 00	1.8512E 05
1.7254E-08	1.2352E-02	1.3969E-06	1.3969E-06	1.8448E 03	3.1603E 00	1.7686E 05
1.8278E-08	1.2529E-02	1.4588E-06	1.4588E-06	1.8189E 03	3.1609E 00	1.6944E 05
1.9302E-08	1.2699E-02	1.5199E-06	1.5200E-06	1.7946E 03	3.1613E 00	1.6272E 05
2.0326E-08	1.2863E-02	1.5802E-06	1.5803E-06	1.7720E 03	3.1617E 00	1.5660E 05
2.1350E-08	1.3020E-02	1.6398E-06	1.6398E-06	1.7506E 03	3.1621E 00	1.5103E 05
2.2398E-08	1.3319E-02	1.7567E-06	1.7567E-06	1.7115E 03	3.1627E 00	1.4105E 05
2.7494E-08	1.3860E-02	1.9837E-06	1.9837E-06	1.6451E 03	3.1644E 00	1.2518E 05
3.1590E-08	1.4346E-02	2.2020E-06	2.2020E-06	1.5895E 03	3.1651E 00	1.1288E 05
3.5686E-08	1.4789E-02	2.4130E-06	2.4130E-06	1.5420E 03	3.1654E 00	1.0302E 05
3.9782E-08	1.5194E-02	2.6183E-06	2.6184E-06	1.5010E 03	3.1659E 00	9.5010E 04
4.3878E-08	1.5569E-02	2.8183E-06	2.8183E-06	1.4649E 03	3.1662E 00	8.8321E 04
4.7974E-08	1.5918E-02	3.0138E-06	3.0139E-06	1.4329E 03	3.1667E 00	8.2630E 04
5.2070E-08	1.6247E-02	3.2049E-06	3.2049E-06	1.4039E 03	3.1667E 00	7.7712E 04
5.6166E-08	1.6557E-02	3.3924E-06	3.3924E-06	1.3777E 03	3.1669E 00	7.3435E 04
6.4358E-08	1.7129E-02	3.7573E-06	3.7573E-06	1.3317E 03	3.1671E 00	6.6317E 04
7.2550E-08	1.7647E-02	4.1111E-06	4.1112E-06	1.2927E 03	3.1676E 00	6.0639E 04
8.0742E-08	1.8123E-02	4.4551E-06	4.4552E-06	1.2588E 03	3.1679E 00	5.5989E 04
8.8934E-08	1.8566E-02	4.7902E-06	4.7903E-06	1.2288E 03	3.1681E 00	5.2081E 04
9.7126E-08	1.8978E-02	5.1178E-06	5.1178E-06	1.2022E 03	3.1683E 00	4.8758E 04
1.1351E-07	1.9734E-02	5.7521E-06	5.7522E-06	1.1561E 03	3.1680E 00	4.3371E 04
1.2989E-07	2.0411E-02	6.3638E-06	6.3639E-06	1.1177E 03	3.1679E 00	3.9194E 04
1.4628E-07	2.1020E-02	6.9591E-06	6.9591E-06	1.0855E 03	3.1689E 00	3.5889E 04
1.6266E-07	2.1586E-02	7.5354E-06	7.5355E-06	1.0570E 03	3.1687E 00	3.3138E 04
1.7905E-07	2.2109E-02	8.0984E-06	8.0986E-06	1.0321E 03	3.1690E 00	3.0845E 04
1.9543E-07	2.2600E-02	8.6473E-06	8.6474E-06	1.0096E 03	3.1687E 00	2.8876E 04
2.1181E-07	2.3058E-02	9.1860E-06	9.1861E-06	9.8959E 02	3.1688E 00	2.7188E 04
2.2820E-07	2.3491E-02	9.7140E-06	9.7142E-06	9.7135E 02	3.1689E 00	2.5713E 04
2.4458E-07	2.3902E-02	1.0233E-05	1.0233E-05	9.5470E 02	3.1690E 00	2.4412E 04
2.6097E-07	2.4292E-02	1.0743E-05	1.0743E-05	9.3937E 02	3.1690E 00	2.3254E 04
2.9373E-07	2.5020E-02	1.1740E-05	1.1740E-05	9.1205E 02	3.1691E 00	2.1282E 04
3.2650E-07	2.5691E-02	1.2709E-05	1.2709E-05	8.8825E 02	3.1691E 00	1.9659E 04
3.5927E-07	2.6312E-02	1.3654E-05	1.3654E-05	8.6729E 02	3.1691E 00	1.8300E 04
3.9204E-07	2.6892E-02	1.4578E-05	1.4578E-05	8.4859E 02	3.1691E 00	1.7140E 04
4.2481E-07	2.7437E-02	1.5483E-05	1.5483E-05	8.3177E 02	3.1692E 00	1.6141E 04
4.9034E-07	2.8441E-02	1.7241E-05	1.7241E-05	8.0240E 02	3.1690E 00	1.4492E 04
5.5588E-07	2.9348E-02	1.8941E-05	1.8941E-05	7.7758E 02	3.1688E 00	1.3189E 04
6.2141E-07	3.0174E-02	2.0594E-05	2.0595E-05	7.5634E 02	3.1692E 00	1.2136E 04
6.8695E-07	3.0940E-02	2.2202E-05	2.2203E-05	7.3764E 02	3.1692E 00	1.1257E 04
7.5249E-07	3.1652E-02	2.3773E-05	2.3774E-05	7.2106E 02	3.1693E 00	1.0515E 04
8.1802E-07	3.2322E-02	2.5308E-05	2.5309E-05	7.0610E 02	3.1690E 00	9.8745E 03
8.8356E-07	3.2950E-02	2.6814E-05	2.6815E-05	6.9265E 02	3.1691E 00	9.3208E 03
9.4909E-07	3.3546E-02	2.8292E-05	2.8293E-05	6.8036E 02	3.1690E 00	8.8334E 03
1.0146E-06	3.4110E-02	2.9745E-05	2.9746E-05	6.6912E 02	3.1691E 00	8.4024E 03
1.0802E-06	3.4648E-02	3.1175E-05	3.1176E-05	6.5874E 02	3.1691E 00	8.0174E 03
1.2112E-06	3.5653E-02	3.3972E-05	3.3973E-05	6.4018E 02	3.1691E 00	7.3584E 03
1.3423E-06	3.6580E-02	3.6694E-05	3.6696E-05	6.2398E 02	3.1692E 00	6.8134E 03
1.4734E-06	3.7443E-02	3.9349E-05	3.9350E-05	6.0960E 02	3.1691E 00	6.3532E 03
1.6045E-06	3.8249E-02	4.1946E-05	4.1948E-05	5.9677E 02	3.1691E 00	5.9602E 03
1.7355E-06	3.9008E-02	4.4491E-05	4.4493E-05	5.8517E 02	3.1691E 00	5.6193E 03
1.8666E-06	3.9724E-02	4.6988E-05	4.6991E-05	5.7464E 02	3.1692E 00	5.3213E 03
1.9977E-06	4.0404E-02	4.9441E-05	4.9444E-05	5.6497E 02	3.1691E 00	5.0572E 03
2.2598E-06	4.1668E-02	5.4232E-05	5.4235E-05	5.4786E 02	3.1692E 00	4.6111E 03
2.5220E-06	4.2829E-02	5.8883E-05	5.8887E-05	5.3302E 02	3.1691E 00	4.2465E 03
2.7841E-06	4.3901E-02	6.3415E-05	6.3419E-05	5.2001E 02	3.1690E 00	3.9430E 03
3.0462E-06	4.4900E-02	6.7843E-05	6.7847E-05	5.0845E 02	3.1690E 00	3.6859E 03
3.5705E-06	4.6713E-02	7.6434E-05	7.6439E-05	4.8878E 02	3.1694E 00	3.2736E 03
4.0948E-06	4.8333E-02	8.4718E-05	8.4724E-05	4.7244E 02	3.1699E 00	2.9555E 03
4.6191E-06	4.9818E-02	9.2716E-05	9.2723E-05	4.5835E 02	3.1694E 00	2.6993E 03
5.1434E-06	5.1177E-02	1.0050E-04	1.0051E-04	4.4619E 02	3.1693E 00	2.4902E 03
5.6677E-06	5.2438E-02	1.0808E-04	1.0809E-04	4.3547E 02	3.1691E 00	2.3150E 03

6.1920E-06	5.3606E-02	1.1550E-04	1.1551E-04	4.2601E 02	3.1693E 00	2.1671E 03
6.7163E-06	5.4710E-02	1.2276E-04	1.2277E-04	4.1742E 02	3.1691E 00	2.0387E 03
7.2405E-06	5.5748E-02	1.2987E-04	1.2989E-04	4.0966E 02	3.1691E 00	1.9271E 03
7.7648E-06	5.6732E-02	1.3686E-04	1.3687E-04	4.0257E 02	3.1690E 00	1.8287E 03
8.2891E-06	5.7667E-02	1.4373E-04	1.4375E-04	3.9605E 02	3.1690E 00	1.7413E 03
8.8134E-06	5.8559E-02	1.5050E-04	1.5051E-04	3.9002E 02	3.1689E 00	1.6630E 03
9.8620E-06	6.0230E-02	1.6373E-04	1.6375E-04	3.7923E 02	3.1688E 00	1.5287E 03
1.0911E-05	6.1773E-02	1.7661E-04	1.7663E-04	3.6977E 02	3.1687E 00	1.4171E 03
1.1959E-05	6.3209E-02	1.8919E-04	1.8921E-04	3.6138E 02	3.1686E 00	1.3229E 03
1.3008E-05	6.4553E-02	2.0149E-04	2.0152E-04	3.5388E 02	3.1685E 00	1.2421E 03
1.5105E-05	6.7012E-02	2.2539E-04	2.2542E-04	3.4092E 02	3.1684E 00	1.1105E 03
1.7202E-05	6.9220E-02	2.4850E-04	2.4853E-04	3.3009E 02	3.1687E 00	1.0078E 03
1.9299E-05	7.1249E-02	2.7085E-04	2.7089E-04	3.2070E 02	3.1682E 00	9.2431E 02
2.1396E-05	7.3112E-02	2.9263E-04	2.9267E-04	3.1255E 02	3.1681E 00	8.5557E 02
2.3493E-05	7.4848E-02	3.1386E-04	3.1391E-04	3.0531E 02	3.1678E 00	7.9755E 02
2.5591E-05	7.6466E-02	3.3464E-04	3.3469E-04	2.9887E 02	3.1678E 00	7.4810E 02
2.7688E-05	7.7992E-02	3.5498E-04	3.5504E-04	2.9304E 02	3.1676E 00	7.0517E 02
3.1882E-05	8.0790E-02	3.9459E-04	3.9467E-04	2.8293E 02	3.1676E 00	6.3457E 02
3.6076E-05	8.3334E-02	4.3287E-04	4.3296E-04	2.7431E 02	3.1672E 00	5.7837E 02
4.0271E-05	8.5664E-02	4.7005E-04	4.7015E-04	2.6688E 02	3.1670E 00	5.3260E 02
4.4465E-05	8.7816E-02	5.0628E-04	5.0640E-04	2.6036E 02	3.1668E 00	4.9451E 02
4.8659E-05	8.9817E-02	5.4169E-04	5.4182E-04	2.5459E 02	3.1668E 00	4.6229E 02
5.2854E-05	9.1697E-02	5.7632E-04	5.7646E-04	2.4939E 02	3.1666E 00	4.3453E 02
5.7048E-05	9.3467E-02	6.1028E-04	6.1044E-04	2.4469E 02	3.1666E 00	4.1041E 02
6.1242E-05	9.5144E-02	6.4360E-04	6.4377E-04	2.4040E 02	3.1664E 00	3.8917E 02
6.9631E-05	9.8251E-02	7.0860E-04	7.0881E-04	2.3284E 02	3.1662E 00	3.5353E 02
7.8019E-05	1.0109E-01	7.7163E-04	7.7187E-04	2.2632E 02	3.1659E 00	3.2466E 02
8.6408E-05	1.0372E-01	8.3299E-04	8.3326E-04	2.2063E 02	3.1657E 00	3.0076E 02
9.4797E-05	1.0615E-01	8.9289E-04	8.9319E-04	2.1560E 02	3.1655E 00	2.8063E 02
1.1157E-04	1.1056E-01	1.0090E-03	1.0093E-03	2.0706E 02	3.1655E 00	2.4851E 02
1.2835E-04	1.1449E-01	1.1208E-03	1.1213E-03	2.0002E 02	3.1658E 00	2.2392E 02
1.4513E-04	1.1809E-01	1.2287E-03	1.2292E-03	1.9395E 02	3.1650E 00	2.0417E 02
1.6191E-04	1.2138E-01	1.3336E-03	1.3342E-03	1.8873E 02	3.1646E 00	1.8813E 02
1.7868E-04	1.2443E-01	1.4357E-03	1.4364E-03	1.8414E 02	3.1641E 00	1.7472E 02
1.9546E-04	1.2724E-01	1.5358E-03	1.5365E-03	1.8011E 02	3.1642E 00	1.6345E 02
2.1224E-04	1.2991E-01	1.6333E-03	1.6342E-03	1.7644E 02	3.1637E 00	1.5366E 02
2.2901E-04	1.3241E-01	1.7291E-03	1.7300E-03	1.7314E 02	3.1636E 00	1.4518E 02
2.4579E-04	1.3478E-01	1.8231E-03	1.8241E-03	1.7012E 02	3.1633E 00	1.3770E 02
2.6257E-04	1.3703E-01	1.9156E-03	1.9166E-03	1.6735E 02	3.1630E 00	1.3108E 02
2.7935E-04	1.3918E-01	2.0065E-03	2.0076E-03	1.6479E 02	3.1628E 00	1.2515E 02
3.1290E-04	1.4320E-01	2.1843E-03	2.1857E-03	1.6021E 02	3.1623E 00	1.1498E 02
3.4645E-04	1.4692E-01	2.3574E-03	2.3589E-03	1.5620E 02	3.1618E 00	1.0656E 02
3.8001E-04	1.5037E-01	2.5263E-03	2.5280E-03	1.5265E 02	3.1614E 00	9.9443E 01
4.1356E-04	1.5360E-01	2.6914E-03	2.6933E-03	1.4948E 02	3.1610E 00	9.3356E 01
4.8067E-04	1.5952E-01	3.0122E-03	3.0144E-03	1.4401E 02	3.1603E 00	8.3455E 01
5.4778E-04	1.6483E-01	3.3221E-03	3.3247E-03	1.3944E 02	3.1601E 00	7.5734E 01
6.1489E-04	1.6970E-01	3.6218E-03	3.6248E-03	1.3549E 02	3.1591E 00	6.9461E 01
6.8200E-04	1.7419E-01	3.9136E-03	3.9171E-03	1.3205E 02	3.1585E 00	6.4299E 01
8.1622E-04	1.8232E-01	4.4747E-03	4.4791E-03	1.2624E 02	3.1561E 00	5.6180E 01
9.5043E-04	1.8949E-01	5.0131E-03	5.0184E-03	1.2153E 02	3.1543E 00	5.0123E 01
1.0847E-03	1.9586E-01	5.5347E-03	5.5409E-03	1.1766E 02	3.1540E 00	4.5459E 01
1.2189E-03	2.0172E-01	6.0387E-03	6.0459E-03	1.1431E 02	3.1529E 00	4.1674E 01
1.3531E-03	2.0709E-01	6.5296E-03	6.5378E-03	1.1141E 02	3.1524E 00	3.8569E 01
1.4873E-03	2.1211E-01	7.0073E-03	7.0165E-03	1.0883E 02	3.1513E 00	3.5944E 01
1.7557E-03	2.2113E-01	7.9342E-03	7.9454E-03	1.0451E 02	3.1506E 00	3.1802E 01
2.0242E-03	2.2922E-01	8.8242E-03	8.8376E-03	1.0092E 02	3.1494E 00	2.8621E 01
2.2926E-03	2.3657E-01	9.6832E-03	9.6989E-03	9.7866E 01	3.1478E 00	2.6090E 01
2.5610E-03	2.4329E-01	1.0518E-02	1.0536E-02	9.5244E 01	3.1467E 00	2.4037E 01
2.8295E-03	2.4950E-01	1.1330E-02	1.1351E-02	9.2948E 01	3.1456E 00	2.2330E 01
3.0979E-03	2.5529E-01	1.2123E-02	1.2146E-02	9.0908E 01	3.1446E 00	2.0883E 01
3.3664E-03	2.6074E-01	1.2898E-02	1.2923E-02	8.9072E 01	3.1434E 00	1.9636E 01
3.6348E-03	2.6586E-01	1.3658E-02	1.3686E-02	8.7418E 01	3.1425E 00	1.8555E 01

4.1717E-03	2.7533E-01	1.5135E-02	1.5168E-02	8.4519E 01	3.1404E 00	1.6758E 01
4.7085E-03	2.8392E-01	1.6565E-02	1.6603E-02	8.2066E 01	3.1388E 00	1.5330E 01
5.2454E-03	2.9181E-01	1.7954E-02	1.7997E-02	7.9941E 01	3.1373E 00	1.4160E 01
5.7823E-03	2.9914E-01	1.9305E-02	1.9354E-02	7.8068E 01	3.1357E 00	1.3180E 01
6.3191E-03	3.0600E-01	2.0623E-02	2.0678E-02	7.6397E 01	3.1340E 00	1.2345E 01
6.8560E-03	3.1243E-01	2.1914E-02	2.1974E-02	7.4902E 01	3.1326E 00	1.1628E 01
7.3929E-03	3.1850E-01	2.3178E-02	2.3244E-02	7.3545E 01	3.1312E 00	1.1001E 01
7.9298E-03	3.2425E-01	2.4419E-02	2.4491E-02	7.2309E 01	3.1299E 00	1.0450E 01
8.4666E-03	3.2973E-01	2.5638E-02	2.5716E-02	7.1172E 01	3.1286E 00	9.9603E 00
9.5404E-03	3.3996E-01	2.8018E-02	2.8108E-02	6.9150E 01	3.1261E 00	9.1269E 00
1.0614E-02	3.4939E-01	3.0328E-02	3.0431E-02	6.7394E 01	3.1237E 00	8.4417E 00
1.1688E-02	3.5814E-01	3.2577E-02	3.2693E-02	6.5850E 01	3.1215E 00	7.8679E 00
1.2762E-02	3.6631E-01	3.4774E-02	3.4902E-02	6.4475E 01	3.1193E 00	7.3796E 00
1.4909E-02	3.8125E-01	3.9029E-02	3.9184E-02	6.2125E 01	3.1156E 00	6.5910E 00
1.7057E-02	3.9465E-01	4.3128E-02	4.3311E-02	6.0174E 01	3.1123E 00	5.9798E 00
1.9204E-02	4.0698E-01	4.7081E-02	4.7292E-02	5.8490E 01	3.1085E 00	5.4854E 00
2.1352E-02	4.1831E-01	5.0922E-02	5.1162E-02	5.7037E 01	3.1051E 00	5.0802E 00
2.3499E-02	4.2887E-01	5.4659E-02	5.4927E-02	5.5753E 01	3.1018E 00	4.7398E 00
2.5646E-02	4.3868E-01	5.8314E-02	5.8612E-02	5.4622E 01	3.0991E 00	4.4514E 00
2.7794E-02	4.4798E-01	6.1878E-02	6.2207E-02	5.3594E 01	3.0961E 00	4.2006E 00
2.9941E-02	4.5675E-01	6.5373E-02	6.5732E-02	5.2666E 01	3.0934E 00	3.9820E 00
3.2089E-02	4.6510E-01	6.8799E-02	6.9189E-02	5.1818E 01	3.0907E 00	3.7888E 00
3.4236E-02	4.7304E-01	7.2165E-02	7.2586E-02	5.1039E 01	3.0882E 00	3.6171E 00
3.6384E-02	4.8064E-01	7.5472E-02	7.5925E-02	5.0319E 01	3.0857E 00	3.4630E 00
4.0679E-02	4.9492E-01	8.1934E-02	8.2451E-02	4.9030E 01	3.0809E 00	3.1979E 00
4.4974E-02	5.0817E-01	8.8210E-02	8.8792E-02	4.7902E 01	3.0764E 00	2.9772E 00
5.3564E-02	5.3222E-01	1.0028E-01	1.0100E-01	4.6006E 01	3.0678E 00	2.6295E 00
6.2154E-02	5.5370E-01	1.1183E-01	1.1268E-01	4.4460E 01	3.0597E 00	2.3667E 00
7.0744E-02	5.7304E-01	1.2296E-01	1.2395E-01	4.3180E 01	3.0531E 00	2.1618E 00
7.9334E-02	5.9092E-01	1.3369E-01	1.3482E-01	4.2071E 01	3.0461E 00	1.9947E 00
8.7924E-02	6.0743E-01	1.4411E-01	1.4538E-01	4.1113E 01	3.0399E 00	1.8569E 00
9.6513E-02	6.2292E-01	1.5423E-01	1.5565E-01	4.0262E 01	3.0337E 00	1.7401E 00
1.1369E-01	6.5104E-01	1.7378E-01	1.7549E-01	3.8835E 01	3.0230E 00	1.5545E 00
1.3087E-01	6.7655E-01	1.9244E-01	1.9445E-01	3.7648E 01	3.0123E 00	1.4109E 00
1.4805E-01	6.9982E-01	2.1040E-01	2.1271E-01	3.6648E 01	3.0025E 00	1.2968E 00
1.6523E-01	7.2130E-01	2.2777E-01	2.3038E-01	3.5790E 01	2.9934E 00	1.2037E 00
1.8241E-01	7.4122E-01	2.4464E-01	2.4756E-01	3.5046E 01	2.9852E 00	1.1263E 00
1.9959E-01	7.6000E-01	2.6101E-01	2.6424E-01	3.4382E 01	2.9771E 00	1.0602E 00
2.1677E-01	7.7768E-01	2.7698E-01	2.8051E-01	3.3791E 01	2.9695E 00	1.0034E 00
2.3395E-01	7.9450E-01	2.9254E-01	2.9639E-01	3.3255E 01	2.9620E 00	9.5365E-01
2.6831E-01	8.2574E-01	3.2270E-01	3.2717E-01	3.2327E 01	2.9482E 00	8.7122E-01
3.0267E-01	8.5447E-01	3.5168E-01	3.5676E-01	3.1541E 01	2.9353E 00	8.0511E-01
3.3703E-01	8.8122E-01	3.7961E-01	3.8531E-01	3.0861E 01	2.9230E 00	7.5062E-01
3.7139E-01	9.0620E-01	4.0667E-01	4.1300E-01	3.0268E 01	2.9115E 00	7.0504E-01
4.0575E-01	9.2975E-01	4.3293E-01	4.3988E-01	2.9743E 01	2.9005E 00	6.6613E-01
4.4011E-01	9.5202E-01	4.5851E-01	4.6607E-01	2.9274E 01	2.8901E 00	6.3256E-01
4.7447E-01	9.7326E-01	4.8342E-01	4.9160E-01	2.8850E 01	2.8801E 00	6.0315E-01
5.0883E-01	9.9352E-01	5.0775E-01	5.1655E-01	2.8466E 01	2.8705E 00	5.7720E-01
5.4319E-01	1.0130E 00	5.3154E-01	5.4094E-01	2.8114E 01	2.8613E 00	5.5408E-01
6.1191E-01	1.0496E 00	5.7768E-01	5.8829E-01	2.7492E 01	2.8439E 00	5.1463E-01
6.8063E-01	1.0838E 00	6.2207E-01	6.3388E-01	2.6956E 01	2.8275E 00	4.8207E-01
8.1807E-01	1.1466E 00	7.0642E-01	7.2058E-01	2.6071E 01	2.7971E 00	4.3121E-01
9.5551E-01	1.2035E 00	7.8575E-01	8.0220E-01	2.5361E 01	2.7692E 00	3.9297E-01
1.0929E 00	1.2551E 00	8.6145E-01	8.8013E-01	2.4788E 01	2.7449E 00	3.6341E-01
1.2304E 00	1.3033E 00	9.3361E-01	9.5446E-01	2.4301E 01	2.7219E 00	3.3944E-01
1.3678E 00	1.3485E 00	1.0028E 00	1.0258E 00	2.3882E 01	2.7005E 00	3.1961E-01
1.5053E 00	1.3914E 00	1.0693E 00	1.0944E 00	2.3513E 01	2.6801E 00	3.0283E-01
1.6427E 00	1.4320E 00	1.1336E 00	1.1607E 00	2.3189E 01	2.6610E 00	2.8848E-01
1.7801E 00	1.4708E 00	1.1958E 00	1.2249E 00	2.2899E 01	2.6428E 00	2.7601E-01
2.0550E 00	1.5436E 00	1.3149E 00	1.3477E 00	2.2401E 01	2.6092E 00	2.5536E-01
2.3299E 00	1.6115E 00	1.4276E 00	1.4640E 00	2.1983E 01	2.5783E 00	2.3883E-01
2.6048E 00	1.6753E 00	1.5349E 00	1.5747E 00	2.1625E 01	2.5496E 00	2.2524E-01

2.8797E 00	1.7356E 00	1.6376E 00	1.6808E 00	2.1315E 01	2.5231E 00	2.1385E-01
3.1545E 00	1.7930E 00	1.7362E 00	1.7826E 00	2.1039E 01	2.4982E 00	2.0411E-01
3.7043E 00	1.9003E 00	1.9231E 00	1.9755E 00	2.0574E 01	2.4531E 00	1.8830E-01
4.2540E 00	1.9999E 00	2.0981E 00	2.1561E 00	2.0185E 01	2.4125E 00	1.7586E-01
4.8038E 00	2.0939E 00	2.2626E 00	2.3258E 00	1.9848E 01	2.3749E 00	1.6571E-01
5.3536E 00	2.1826E 00	2.4187E 00	2.4869E 00	1.9554E 01	2.3407E 00	1.5725E-01
5.9033E 00	2.2671E 00	2.5675E 00	2.6404E 00	1.9291E 01	2.3090E 00	1.5006E-01
6.4531E 00	2.3477E 00	2.7100E 00	2.7873E 00	1.9054E 01	2.2797E 00	1.4384E-01
7.5526E 00	2.5001E 00	2.9781E 00	3.0636E 00	1.8633E 01	2.2264E 00	1.3353E-01
8.6521E 00	2.6425E 00	3.2277E 00	3.3207E 00	1.8267E 01	2.1792E 00	1.2528E-01
9.7516E 00	2.7761E 00	3.4627E 00	3.5628E 00	1.7943E 01	2.1372E 00	1.1848E-01
1.0851E 01	2.9031E 00	3.6845E 00	3.7910E 00	1.7647E 01	2.0990E 00	1.1271E-01
1.1951E 01	3.0242E 00	3.8953E 00	4.0080E 00	1.7374E 01	2.0642E 00	1.0774E-01
1.3050E 01	3.1404E 00	4.0963E 00	4.2148E 00	1.7119E 01	2.0320E 00	1.0338E-01
1.4150E 01	3.2519E 00	4.2892E 00	4.4132E 00	1.6880E 01	2.0024E 00	9.9530E-02
1.5249E 01	3.3595E 00	4.4746E 00	4.6038E 00	1.6655E 01	1.9750E 00	9.6083E-02
1.7448E 01	3.5639E 00	4.8263E 00	4.9653E 00	1.6237E 01	1.9255E 00	9.0155E-02
1.9647E 01	3.7566E 00	5.1560E 00	5.3040E 00	1.5853E 01	1.8818E 00	8.5198E-02
2.1846E 01	3.9393E 00	5.4674E 00	5.6239E 00	1.5498E 01	1.8429E 00	8.0968E-02
2.4045E 01	4.1132E 00	5.7636E 00	5.9281E 00	1.5166E 01	1.8079E 00	7.7305E-02
2.6244E 01	4.2796E 00	6.0464E 00	6.2184E 00	1.4854E 01	1.7761E 00	7.4086E-02
2.8443E 01	4.4393E 00	6.3176E 00	6.4967E 00	1.4559E 01	1.7471E 00	7.1229E-02
3.0642E 01	4.5931E 00	6.5784E 00	6.7643E 00	1.4279E 01	1.7204E 00	6.8668E-02
3.2841E 01	4.7415E 00	6.8301E 00	7.0225E 00	1.4012E 01	1.6957E 00	6.6357E-02
3.7239E 01	5.0243E 00	7.3094E 00	7.5142E 00	1.3513E 01	1.6515E 00	6.2335E-02
4.1637E 01	5.2908E 00	7.7616E 00	7.9779E 00	1.3052E 01	1.6128E 00	5.8940E-02
4.6035E 01	5.5434E 00	8.1911E 00	8.4181E 00	1.2624E 01	1.5786E 00	5.6026E-02
5.0434E 01	5.7841E 00	8.6008E 00	8.8380E 00	1.2223E 01	1.5479E 00	5.3485E-02
5.4832E 01	6.0143E 00	8.9935E 00	9.2403E 00	1.1846E 01	1.5202E 00	5.1246E-02
5.9230E 01	6.2352E 00	9.3712E 00	9.6271E 00	1.1489E 01	1.4950E 00	4.9252E-02
6.8026E 01	6.6527E 00	1.0089E 01	1.0362E 01	1.0830E 01	1.4507E 00	4.5847E-02

A = 10.0000E-04

B = 3.0000E-03

EPS = 5.0000E-02

GAM = 10.0000E-03

X	Y	NUC	NUW	ETAMO	NURATIO	DY/DX
0.	4.0000E-03	0.	0.	8.3334E 03	0.	5.1673E 06
10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	-6.1706E 03	5.7424E-01	5.2596E 06
2.0000E-12	4.0105E-03	4.9869E-10	4.9869E-10	-3.8757E 03	6.8199E-01	5.0709E 06
3.0000E-12	4.0154E-03	7.4711E-10	7.4711E-10	-2.7112E 03	7.5381E-01	5.1458E 06
4.0000E-12	4.0206E-03	9.9487E-10	9.9487E-10	-1.9577E 03	8.0898E-01	5.2510E 06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	-9.9192E 02	8.9289E-01	5.1792E 06
8.0000E-12	4.0417E-03	1.9794E-09	1.9794E-09	-3.7034E 02	9.5703E-01	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	7.6861E 01	1.0094E 00	4.9651E 06
1.4000E-11	4.0711E-03	3.4389E-09	3.4389E-09	6.9518E 02	1.0928E 00	4.9653E 06
2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	1.4166E 03	1.2117E 00	4.7986E 06
3.0000E-11	4.1486E-03	7.2314E-09	7.2314E-09	1.8422E 03	1.2975E 00	4.7803E 06
3.8000E-11	4.1867E-03	9.0763E-09	9.0763E-09	2.1243E 03	1.3639E 00	4.5731E 06
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	2.3303E 03	1.4187E 00	4.4351E 06
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	2.4838E 03	1.4646E 00	4.3283E 06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	2.6027E 03	1.5039E 00	4.2018E 06
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	2.6977E 03	1.5384E 00	4.2010E 06
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	2.8311E 03	1.5949E 00	3.9503E 06
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-08	2.9283E 03	1.6421E 00	3.7471E 06
1.1800E-10	4.5098E-03	2.6165E-08	2.6166E-08	2.9940E 03	1.6809E 00	3.6882E 06
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-08	3.0345E 03	1.7123E 00	3.4591E 06
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	3.0702E 03	1.7414E 00	3.3607E 06
1.6600E-10	4.6752E-03	3.5506E-08	3.5507E-08	3.0921E 03	1.7658E 00	3.3017E 06
1.8200E-10	4.7278E-03	3.8496E-08	3.8496E-08	3.1046E 03	1.7868E 00	3.1505E 06
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-08	3.1152E 03	1.8063E 00	3.1024E 06
2.1400E-10	4.8257E-03	4.4346E-08	4.4346E-08	3.1182E 03	1.8229E 00	2.9943E 06
2.3000E-10	4.8723E-03	4.7206E-08	4.7206E-08	3.1198E 03	1.8383E 00	2.8467E 06
2.4600E-10	4.9165E-03	5.0035E-08	5.0035E-08	3.1203E 03	1.8526E 00	2.8071E 06

2.6200E-10	4.9611E-03	5.2811E-08	5.2811E-08	3.1166E 03	1.8651E 00	2.7192E 06
2.7800E-10	5.0036E-03	5.5560E-08	5.5560E-08	3.1125E 03	1.8769E 00	2.6614E 06
2.9400E-10	5.0459E-03	5.8265E-08	5.8265E-08	3.1060E 03	1.8874E 00	2.6123E 06
3.1000E-10	5.0874E-03	6.0935E-08	6.0935E-08	3.0982E 03	1.8970E 00	2.5540E 06
3.2600E-10	5.1277E-03	6.3576E-08	6.3576E-08	3.0898E 03	1.9059E 00	2.4836E 06
3.5800E-10	5.2044E-03	6.8788E-08	6.8788E-08	3.0730E 03	1.9223E 00	2.3561E 06
4.2200E-10	5.3471E-03	7.8921E-08	7.8921E-08	3.0362E 03	1.9495E 00	2.1933E 06
4.8600E-10	5.4869E-03	8.8575E-08	8.8575E-08	2.9884E 03	1.9681E 00	2.0214E 06
5.5000E-10	5.6105E-03	9.8030E-08	9.8030E-08	2.9485E 03	1.9852E 00	1.8917E 06
6.1400E-10	5.7286E-03	1.0718E-07	1.0718E-07	2.9073E 03	1.9985E 00	1.7736E 06
6.7800E-10	5.8386E-03	1.1612E-07	1.1612E-07	2.8689E 03	2.0101E 00	1.6701E 06
7.4200E-10	5.9426E-03	1.2486E-07	1.2486E-07	2.8323E 03	2.0199E 00	1.5868E 06
8.0600E-10	6.0423E-03	1.3339E-07	1.3339E-07	2.7967E 03	2.0282E 00	1.5267E 06
8.7000E-10	6.1387E-03	1.4172E-07	1.4172E-07	2.7615E 03	2.0348E 00	1.4460E 06
9.3400E-10	6.2281E-03	1.4997E-07	1.4997E-07	2.7305E 03	2.0415E 00	1.3859E 06
9.9800E-10	6.3154E-03	1.5803E-07	1.5803E-07	2.6996E 03	2.0469E 00	1.3254E 06
1.1260E-09	6.4773E-03	1.7384E-07	1.7384E-07	2.6443E 03	2.0569E 00	1.2236E 06
1.2540E-09	6.6284E-03	1.8919E-07	1.8919E-07	2.5934E 03	2.0648E 00	1.1456E 06
1.3820E-09	6.7716E-03	2.0409E-07	2.0409E-07	2.5456E 03	2.0709E 00	1.0693E 06
1.5100E-09	6.9036E-03	2.1873E-07	2.1873E-07	2.5034E 03	2.0767E 00	1.0131E 06
1.6380E-09	7.0317E-03	2.3295E-07	2.3295E-07	2.4623E 03	2.0808E 00	9.5802E 05
1.7660E-09	7.1508E-03	2.4696E-07	2.4696E-07	2.4258E 03	2.0850E 00	9.0970E 05
1.8940E-09	7.2648E-03	2.6071E-07	2.6071E-07	2.3914E 03	2.0885E 00	8.6840E 05
2.1500E-09	7.4787E-03	2.8748E-07	2.8748E-07	2.3267E 03	2.0941E 00	7.9535E 05
2.4060E-09	7.6738E-03	3.1354E-07	3.1354E-07	2.2745E 03	2.0991E 00	7.3687E 05
2.6620E-09	7.8563E-03	3.3884E-07	3.3884E-07	2.2252E 03	2.1028E 00	6.8919E 05
2.9180E-09	8.0272E-03	3.6351E-07	3.6351E-07	2.1806E 03	2.1058E 00	6.4402E 05
3.1740E-09	8.1852E-03	3.8777E-07	3.8777E-07	2.1416E 03	2.1091E 00	6.0926E 05
3.4300E-09	8.3385E-03	4.1134E-07	4.1134E-07	2.1037E 03	2.1108E 00	5.7624E 05
3.6860E-09	8.4820E-03	4.3457E-07	4.3457E-07	2.0699E 03	2.1128E 00	5.4734E 05
3.9420E-09	8.6191E-03	4.5735E-07	4.5735E-07	2.0383E 03	2.1144E 00	5.1979E 05
4.1980E-09	8.7488E-03	4.7984E-07	4.7984E-07	2.0096E 03	2.1161E 00	4.9758E 05
4.4540E-09	8.8743E-03	5.0190E-07	5.0190E-07	1.9821E 03	2.1172E 00	4.7707E 05
4.7100E-09	8.9940E-03	5.2368E-07	5.2368E-07	1.9568E 03	2.1185E 00	4.5794E 05
4.9660E-09	9.1089E-03	5.4518E-07	5.4518E-07	1.9350E 03	2.1196E 00	4.4155E 05
5.2220E-09	9.2202E-03	5.6636E-07	5.6636E-07	1.9104E 03	2.1205E 00	4.2537E 05
5.4780E-09	9.3271E-03	5.8732E-07	5.8732E-07	1.8892E 03	2.1214E 00	4.1119E 05
5.7340E-09	9.4309E-03	6.0800E-07	6.0800E-07	1.8690E 03	2.1221E 00	3.9735E 05
5.9900E-09	9.5309E-03	6.2848E-07	6.2848E-07	1.8500E 03	2.1229E 00	3.8525E 05
6.2460E-09	9.6283E-03	6.4871E-07	6.4871E-07	1.8318E 03	2.1236E 00	3.7349E 05
6.5020E-09	9.7224E-03	6.6876E-07	6.6876E-07	1.8146E 03	2.1242E 00	3.6223E 05
7.0140E-09	9.9026E-03	7.0830E-07	7.0830E-07	1.7825E 03	2.1255E 00	3.4312E 05
7.5260E-09	1.0075E-02	7.4700E-07	7.4701E-07	1.7526E 03	2.1263E 00	3.2562E 05
8.0380E-09	1.0237E-02	7.8515E-07	7.8516E-07	1.7254E 03	2.1272E 00	3.1068E 05
8.5500E-09	1.0393E-02	8.2263E-07	8.2264E-07	1.7000E 03	2.1279E 00	2.9686E 05
9.0620E-09	1.0542E-02	8.5960E-07	8.5960E-07	1.6765E 03	2.1286E 00	2.8459E 05
9.5740E-09	1.0685E-02	8.9601E-07	8.9601E-07	1.6545E 03	2.1292E 00	2.7299E 05
1.0086E-08	1.0822E-02	9.3198E-07	9.3199E-07	1.6340E 03	2.1298E 00	2.6301E 05
1.0598E-08	1.0955E-02	9.6744E-07	9.6744E-07	1.6145E 03	2.1302E 00	2.5350E 05
1.1110E-08	1.1082E-02	1.0025E-06	1.0025E-06	1.5962E 03	2.1307E 00	2.4467E 05
1.1622E-08	1.1205E-02	1.0372E-06	1.0372E-06	1.5790E 03	2.1311E 00	2.3690E 05
1.2134E-08	1.1325E-02	1.0714E-06	1.0714E-06	1.5625E 03	2.1315E 00	2.2936E 05
1.2646E-08	1.1441E-02	1.1054E-06	1.1054E-06	1.5470E 03	2.1319E 00	2.2256E 05
1.3158E-08	1.1553E-02	1.1389E-06	1.1389E-06	1.5321E 03	2.1322E 00	2.1608E 05
1.3670E-08	1.1662E-02	1.1722E-06	1.1722E-06	1.5180E 03	2.1325E 00	2.1020E 05
1.4182E-08	1.1768E-02	1.2051E-06	1.2051E-06	1.5044E 03	2.1327E 00	2.0445E 05
1.4694E-08	1.1872E-02	1.2377E-06	1.2377E-06	1.4915E 03	2.1330E 00	1.9930E 05
1.5206E-08	1.1973E-02	1.2701E-06	1.2701E-06	1.4791E 03	2.1332E 00	1.9415E 05
1.6230E-08	1.2166E-02	1.3340E-06	1.3340E-06	1.4559E 03	2.1338E 00	1.8512E 05
1.7254E-08	1.2352E-02	1.3969E-06	1.3969E-06	1.4341E 03	2.1340E 00	1.7686E 05
1.8278E-08	1.2529E-02	1.4588E-06	1.4589E-06	1.4141E 03	2.1344E 00	1.6944E 05
1.9302E-08	1.2699E-02	1.5199E-06	1.5200E-06	1.3953E 03	2.1347E 00	1.6272E 05

2.0326E-08	1.2863E-02	1.5802E-06	1.5803E-06	1.3778E-03	2.1350E-00	1.5660E-05
2.1350E-08	1.3020E-02	1.6398E-06	1.6398E-06	1.3613E-03	2.1353E-00	1.5103E-05
2.3398E-08	1.3319E-02	1.7567E-06	1.7567E-06	1.3309E-03	2.1357E-00	1.4105E-05
2.7494E-08	1.3860E-02	1.9837E-06	1.9837E-06	1.2796E-03	2.1368E-00	1.2518E-05
3.1590E-08	1.4346E-02	2.2020E-06	2.2020E-06	1.2365E-03	2.1373E-00	1.1288E-05
3.5686E-08	1.4789E-02	2.4130E-06	2.4130E-06	1.1996E-03	2.1375E-00	1.0302E-05
3.9782E-08	1.5194E-02	2.6183E-06	2.6184E-06	1.1678E-03	2.1378E-00	9.5010E-06
4.3878E-08	1.5569E-02	2.8183E-06	2.8183E-06	1.1397E-03	2.1381E-00	8.8321E-06
4.7974E-08	1.5918E-02	3.0138E-06	3.0139E-06	1.1149E-03	2.1384E-00	8.2630E-06
5.2070E-08	1.6247E-02	3.2049E-06	3.2049E-06	1.0923E-03	2.1384E-00	7.7712E-06
5.6166E-08	1.6557E-02	3.3924E-06	3.3924E-06	1.0720E-03	2.1385E-00	7.3435E-06
6.4358E-08	1.7129E-02	3.7573E-06	3.7573E-06	1.0302E-03	2.1386E-00	6.6317E-06
7.2550E-08	1.7647E-02	4.1111E-06	4.1112E-06	1.0059E-03	2.1389E-00	6.0639E-06
8.0742E-08	1.8123E-02	4.4551E-06	4.4552E-06	9.7938E-04	2.1392E-00	5.5989E-06
8.8934E-08	1.8566E-02	4.7902E-06	4.7903E-06	9.5627E-04	2.1393E-00	5.2081E-06
9.7126E-08	1.8978E-02	5.1178E-06	5.1178E-06	9.3554E-04	2.1394E-00	4.8758E-06
1.1351E-07	1.9734E-02	5.7521E-06	5.7522E-06	8.9969E-04	2.1393E-00	4.3371E-06
1.2989E-07	2.0411E-02	6.3638E-06	6.3639E-06	8.6978E-04	2.1391E-00	3.9194E-06
1.4628E-07	2.1020E-02	6.9591E-06	6.9591E-06	8.4485E-04	2.1398E-00	3.5889E-06
1.6266E-07	2.1586E-02	7.5354E-06	7.5355E-06	8.2205E-04	2.1397E-00	3.3138E-06
1.7905E-07	2.2109E-02	8.0984E-06	8.0986E-06	8.0328E-04	2.1399E-00	3.0845E-06
1.9543E-07	2.2600E-02	8.6473E-06	8.6474E-06	7.8574E-04	2.1397E-00	2.8876E-06
2.1181E-07	2.3058E-02	9.1860E-06	9.1861E-06	7.7017E-04	2.1398E-00	2.7188E-06
2.2820E-07	2.3491E-02	9.7140E-06	9.7142E-06	7.5598E-04	2.1398E-00	2.5713E-06
2.4458E-07	2.3902E-02	1.0233E-05	1.0233E-05	7.4303E-04	2.1399E-00	2.4412E-06
2.6097E-07	2.4292E-02	1.0743E-05	1.0743E-05	7.3110E-04	2.1399E-00	2.3254E-06
2.9373E-07	2.5020E-02	1.1740E-05	1.1740E-05	7.0985E-04	2.1400E-00	2.1282E-06
3.2650E-07	2.5691E-02	1.2709E-05	1.2709E-05	6.9132E-04	2.1400E-00	1.9659E-06
3.5927E-07	2.6312E-02	1.3654E-05	1.3654E-05	6.7502E-04	2.1400E-00	1.8300E-06
3.9204E-07	2.6892E-02	1.4578E-05	1.4578E-05	6.6046E-04	2.1400E-00	1.7140E-06
4.2481E-07	2.7437E-02	1.5483E-05	1.5483E-05	6.4738E-04	2.1411E-00	1.6141E-06
4.9034E-07	2.8441E-02	1.7241E-05	1.7241E-05	6.2450E-04	2.1399E-00	1.4492E-06
5.5588E-07	2.9348E-02	1.8941E-05	1.8941E-05	6.0517E-04	2.1398E-00	1.3189E-06
6.2141E-07	3.0174E-02	2.0594E-05	2.0595E-05	5.8867E-04	2.1400E-00	1.2136E-06
6.8695E-07	3.0940E-02	2.2202E-05	2.2203E-05	5.7412E-04	2.1400E-00	1.1257E-06
7.5249E-07	3.1652E-02	2.3773E-05	2.3774E-05	5.6122E-04	2.1401E-00	1.0515E-06
8.1802E-07	3.2322E-02	2.5308E-05	2.5309E-05	5.4956E-04	2.1399E-00	9.8745E-07
8.8356E-07	3.2950E-02	2.6814E-05	2.6815E-05	5.3910E-04	2.1400E-00	9.3208E-07
9.4909E-07	3.3546E-02	2.8292E-05	2.8293E-05	5.2952E-04	2.1399E-00	8.8334E-07
1.0146E-06	3.4110E-02	2.9745E-05	2.9746E-05	5.2078E-04	2.1400E-00	8.4024E-07
1.0802E-06	3.4648E-02	3.1175E-05	3.1176E-05	5.1270E-04	2.1400E-00	8.0174E-07
1.2112E-06	3.5653E-02	3.3972E-05	3.3973E-05	4.9826E-04	2.1400E-00	7.3584E-07
1.3423E-06	3.6580E-02	3.6694E-05	3.6696E-05	4.8566E-04	2.1401E-00	6.8134E-07
1.4734E-06	3.7443E-02	3.9349E-05	3.9350E-05	4.7446E-04	2.1400E-00	6.3532E-07
1.6045E-06	3.8249E-02	4.1946E-05	4.1948E-05	4.6447E-04	2.1400E-00	5.9602E-07
1.7355E-06	3.9008E-02	4.4491E-05	4.4493E-05	4.5544E-04	2.1400E-00	5.6193E-07
1.8666E-06	3.9724E-02	4.6988E-05	4.6991E-05	4.4725E-04	2.1400E-00	5.3213E-07
1.9977E-06	4.0404E-02	4.9441E-05	4.9444E-05	4.3973E-04	2.1400E-00	5.0572E-07
2.2598E-06	4.1668E-02	5.4232E-05	5.4235E-05	4.2641E-04	2.1400E-00	4.6111E-07
2.5220E-06	4.2829E-02	5.8883E-05	5.8887E-05	4.1485E-04	2.1400E-00	4.2465E-07
2.7841E-06	4.3901E-02	6.3415E-05	6.3419E-05	4.0472E-04	2.1399E-00	3.9430E-07
3.0462E-06	4.4900E-02	6.7843E-05	6.7847E-05	3.9573E-04	2.1399E-00	3.6859E-07
3.5705E-06	4.6713E-02	7.6434E-05	7.6439E-05	3.8044E-04	2.1402E-00	3.2736E-07
4.0948E-06	4.8333E-02	8.4718E-05	8.4724E-05	3.6775E-04	2.1405E-00	2.9555E-07
4.6191E-06	4.9818E-02	9.2716E-05	9.2723E-05	3.5676E-04	2.1402E-00	2.6993E-07
5.1434E-06	5.1177E-02	1.0050E-04	1.0051E-04	3.4729E-04	2.1401E-00	2.4902E-07
5.6677E-06	5.2438E-02	1.0808E-04	1.0809E-04	3.3893E-04	2.1400E-00	2.3150E-07
6.1920E-06	5.3606E-02	1.1550E-04	1.1551E-04	3.3159E-04	2.1401E-00	2.1671E-07
6.7163E-06	5.4710E-02	1.2276E-04	1.2277E-04	3.2489E-04	2.1400E-00	2.0387E-07
7.2405E-06	5.5748E-02	1.2987E-04	1.2989E-04	3.1885E-04	2.1400E-00	1.9271E-07
7.7648E-06	5.6732E-02	1.3686E-04	1.3687E-04	3.1333E-04	2.1399E-00	1.8287E-07
8.2891E-06	5.7667E-02	1.4373E-04	1.4375E-04	3.0825E-04	2.1399E-00	1.7413E-07

8.8134E-06	5.8559E-02	1.5050E-04	1.5051E-04	3.0356E-02	2.1398E-00	1.6630E-03
9.8620E-06	6.0230E-02	1.6373E-04	1.6375E-04	2.9516E-02	2.1398E-00	1.5287E-03
1.0911E-05	6.1773E-02	1.7661E-04	1.7663E-04	2.8779E-02	2.1397E-00	1.4171E-03
1.1959E-05	6.3209E-02	1.8919E-04	1.8919E-04	2.8126E-02	2.1396E-00	1.3229E-03
1.3008E-05	6.4553E-02	2.0149E-04	2.0152E-04	2.7541E-02	2.1396E-00	1.2421E-03
1.5105E-05	6.7012E-02	2.2539E-04	2.2542E-04	2.6532E-02	2.1395E-00	1.1105E-03
1.7202E-05	6.9220E-02	2.4850E-04	2.4853E-04	2.5691E-02	2.1397E-00	1.0078E-03
1.9299E-05	7.1249E-02	2.7085E-04	2.7089E-04	2.4959E-02	2.1394E-00	9.2431E-02
2.1396E-05	7.3112E-02	2.9263E-04	2.9267E-04	2.4324E-02	2.1393E-00	8.5557E-02
2.3493E-05	7.4848E-02	3.1386E-04	3.1391E-04	2.3760E-02	2.1391E-00	7.9754E-02
2.5591E-05	7.6466E-02	3.3464E-04	3.3469E-04	2.3259E-02	2.1391E-00	7.4810E-02
2.7688E-05	7.7992E-02	3.5498E-04	3.5504E-04	2.2804E-02	2.1389E-00	7.0516E-02
3.1882E-05	8.0790E-02	3.9459E-04	3.9467E-04	2.2018E-02	2.1390E-00	6.3458E-02
3.6076E-05	8.3334E-02	4.3287E-04	4.3296E-04	2.1347E-02	2.1387E-00	5.7838E-02
4.0271E-05	8.5664E-02	4.7005E-04	4.7015E-04	2.0767E-02	2.1385E-00	5.3260E-02
4.4465E-05	8.7816E-02	5.0628E-04	5.0640E-04	2.0260E-02	2.1384E-00	4.9451E-02
4.8659E-05	8.9817E-02	5.4169E-04	5.4182E-04	1.9811E-02	2.1384E-00	4.6229E-02
5.2854E-05	9.1697E-02	5.7632E-04	5.7646E-04	1.9406E-02	2.1383E-00	4.3453E-02
5.7048E-05	9.3467E-02	6.1028E-04	6.1044E-04	1.9040E-02	2.1383E-00	4.1041E-02
6.1242E-05	9.5144E-02	6.4359E-04	6.4377E-04	1.8706E-02	2.1382E-00	3.8916E-02
6.9631E-05	9.8251E-02	7.0860E-04	7.0881E-04	1.8117E-02	2.1380E-00	3.5353E-02
7.8019E-05	1.0109E-01	7.7163E-04	7.7187E-04	1.7609E-02	2.1378E-00	3.2466E-02
8.6408E-05	1.0372E-01	8.3299E-04	8.3326E-04	1.7166E-02	2.1377E-00	3.0076E-02
9.4797E-05	1.0615E-01	8.9289E-04	8.9319E-04	1.6774E-02	2.1376E-00	2.8063E-02
1.1157E-04	1.1056E-01	1.0090E-03	1.0093E-03	1.6110E-02	2.1376E-00	2.4851E-02
1.2835E-04	1.1449E-01	1.1213E-03	1.1213E-03	1.5563E-02	2.1378E-00	2.2392E-02
1.4513E-04	1.1809E-01	1.2287E-03	1.2292E-03	1.5089E-02	2.1372E-00	2.0417E-02
1.6191E-04	1.2138E-01	1.3336E-03	1.3342E-03	1.4683E-02	2.1370E-00	1.8813E-02
1.7868E-04	1.2443E-01	1.4357E-03	1.4364E-03	1.4325E-02	2.1366E-00	1.7472E-02
1.9546E-04	1.2724E-01	1.5358E-03	1.5365E-03	1.4012E-02	2.1367E-00	1.6345E-02
2.1224E-04	1.2991E-01	1.6333E-03	1.6342E-03	1.3766E-02	2.1364E-00	1.5366E-02
2.2901E-04	1.3241E-01	1.7291E-03	1.7300E-03	1.3469E-02	2.1362E-00	1.4518E-02
2.4579E-04	1.3478E-01	1.8231E-03	1.8241E-03	1.3233E-02	2.1360E-00	1.3770E-02
2.6257E-04	1.3703E-01	1.9156E-03	1.9166E-03	1.3018E-02	2.1359E-00	1.3108E-02
2.7935E-04	1.3918E-01	2.0065E-03	2.0076E-03	1.2818E-02	2.1357E-00	1.2515E-02
3.1290E-04	1.4320E-01	2.1843E-03	2.1847E-03	1.2461E-02	2.1354E-00	1.1498E-02
3.4645E-04	1.4692E-01	2.3574E-03	2.3589E-03	1.2149E-02	2.1351E-00	1.0656E-02
3.8001E-04	1.5037E-01	2.5263E-03	2.5280E-03	1.1872E-02	2.1348E-00	9.9443E-01
4.1356E-04	1.5360E-01	2.6915E-03	2.6933E-03	1.1625E-02	2.1345E-00	9.3356E-01
4.8067E-04	1.5952E-01	3.0122E-03	3.0144E-03	1.1199E-02	2.1341E-00	8.3454E-01
5.4778E-04	1.6483E-01	3.3221E-03	3.3247E-03	1.0844E-02	2.1339E-00	7.5733E-01
6.1489E-04	1.6970E-01	3.6218E-03	3.6248E-03	1.0535E-02	2.1332E-00	6.9460E-01
6.8200E-04	1.7419E-01	3.9136E-03	3.9171E-03	1.0267E-02	2.1328E-00	6.4299E-01
8.1622E-04	1.8232E-01	4.4747E-03	4.4790E-03	9.8121E-01	2.1312E-00	5.6176E-01
9.5043E-04	1.8950E-01	5.0129E-03	5.0181E-03	9.4436E-01	2.1299E-00	5.0115E-01
1.0847E-03	1.9587E-01	5.5345E-03	5.5407E-03	9.1431E-01	2.1297E-00	4.5453E-01
1.2189E-03	2.0173E-01	6.0384E-03	6.0456E-03	8.8816E-01	2.1290E-00	4.1668E-01
1.3531E-03	2.0710E-01	6.5294E-03	6.5376E-03	8.6563E-01	2.1286E-00	3.8566E-01
1.4873E-03	2.1212E-01	7.0070E-03	7.0162E-03	8.4548E-01	2.1279E-00	3.5940E-01
1.6215E-03	2.1678E-01	7.4748E-03	7.4850E-03	8.2771E-01	2.1275E-00	3.3713E-01
1.7557E-03	2.2118E-01	7.9325E-03	7.9438E-03	8.1162E-01	2.1271E-00	3.1783E-01
1.8900E-03	2.2532E-01	8.3816E-03	8.3939E-03	7.9704E-01	2.1267E-00	3.0296E-01
2.0242E-03	2.2926E-01	8.8223E-03	8.8358E-03	7.8366E-01	2.1262E-00	2.8603E-01
2.2926E-03	2.3659E-01	9.6826E-03	9.6982E-03	7.6002E-01	2.1255E-00	2.6085E-01
2.5610E-03	2.4331E-01	1.0517E-02	1.0535E-02	7.3955E-01	2.1247E-00	2.4031E-01
3.0979E-03	2.5535E-01	1.2121E-02	1.2143E-02	7.0554E-01	2.1229E-00	2.0868E-01
3.6348E-03	2.6596E-01	1.3653E-02	1.3680E-02	6.7810E-01	2.1212E-00	1.8533E-01
4.1717E-03	2.7536E-01	1.5134E-02	1.5166E-02	6.5586E-01	2.1205E-00	1.6755E-01
4.7085E-03	2.8394E-01	1.6564E-02	1.6602E-02	6.3673E-01	2.1194E-00	1.5326E-01
5.2454E-03	2.9184E-01	1.7952E-02	1.7995E-02	6.2015E-01	2.1183E-00	1.4156E-01
5.7823E-03	2.9919E-01	1.9302E-02	1.9351E-02	6.0544E-01	2.1171E-00	1.3174E-01
6.3191E-03	3.0603E-01	2.0621E-02	2.0676E-02	5.9245E-01	2.1161E-00	1.2342E-01

6.8560E-03	3.1247E-01	2.1911E-02	2.1971E-02	5.8074E-01	2.1151E-00	1.1623E-01
7.2980E-03	3.2482E-01	2.4419E-02	2.4490E-02	5.6077E-01	2.1134E-00	1.0449E-01
9.0035E-03	3.3496E-01	2.6888E-02	2.6922E-02	5.4333E-01	2.1118E-00	9.5221E-01
1.0077E-02	3.4479E-01	2.9179E-02	2.9275E-02	5.2875E-01	2.1100E-00	8.7666E-00
1.1151E-02	3.5385E-01	3.1459E-02	3.1593E-02	5.1593E-01	2.1085E-00	8.1422E-00
1.2225E-02	3.6231E-01	3.3618E-02	3.3802E-02	5.0444E-01	2.1070E-00	7.6136E-00
1.3288E-02	3.7021E-01	3.5654E-02	3.5888E-02	4.9439E-01	2.1057E-00	7.1615E-00
1.4372E-02	3.7770E-01	3.7788E-02	3.8126E-02	4.8516E-01	2.1039E-00	6.7674E-00
1.5520E-02	3.9148E-01	4.2111E-02	4.2286E-02	4.6961E-01	2.1019E-00	6.1170E-00
1.6671E-02	4.0406E-01	4.6098E-02	4.6300E-02	4.5548E-01	2.0993E-00	5.5971E-00
2.0815E-02	4.1562E-01	4.9966E-02	5.0197E-02	4.3696E-01	2.0971E-00	5.1727E-00
2.2962E-02	4.2633E-01	5.3730E-02	5.3990E-02	4.3336E-01	2.0949E-00	4.8186E-00
2.5110E-02	4.3633E-01	5.7402E-02	5.7692E-02	4.2421E-01	2.0930E-00	4.5182E-00
2.7257E-02	4.4575E-01	6.0989E-02	6.1308E-02	4.1596E-01	2.0910E-00	4.2589E-00
2.9405E-02	4.5465E-01	6.4501E-02	6.4850E-02	4.0850E-01	2.0892E-00	4.0331E-00
3.1700E-02	4.7115E-01	7.1200E-02	7.1731E-02	3.9540E-01	2.0855E-00	3.6569E-00
3.3795E-02	4.8622E-01	7.7955E-02	7.8379E-02	3.8426E-01	2.0820E-00	3.3588E-00
4.2289E-02	5.0044E-01	8.4304E-02	8.4841E-02	3.7471E-01	2.0792E-00	3.1100E-00
4.5584E-02	5.1294E-01	9.0517E-02	9.1120E-02	3.6655E-01	2.0762E-00	2.9033E-00
5.0879E-02	5.2500E-01	9.6579E-02	9.7247E-02	3.5875E-01	2.0734E-00	2.7255E-00
5.5174E-02	5.3642E-01	1.0249E-01	1.0322E-01	3.5193E-01	2.0706E-00	2.5750E-00
6.3764E-02	5.5738E-01	1.1397E-01	1.1484E-01	3.4066E-01	2.0656E-00	2.3257E-00
7.2354E-02	5.7653E-01	1.2500E-01	1.2600E-01	3.3033E-01	2.0607E-00	2.1277E-00
8.0944E-02	5.9409E-01	1.3568E-01	1.3682E-01	3.2185E-01	2.0563E-00	1.9672E-00
9.8124E-02	6.2584E-01	1.5607E-01	1.5750E-01	3.0771E-01	2.0474E-00	1.7194E-00
1.1530E-01	6.5350E-01	1.7558E-01	1.7730E-01	2.9677E-01	2.0408E-00	1.5398E-00
1.3248E-01	6.7863E-01	1.9422E-01	1.9623E-01	2.8759E-01	2.0341E-00	1.4002E-00
1.4966E-01	7.0168E-01	2.1214E-01	2.1445E-01	2.7976E-01	2.0277E-00	1.2884E-00
1.6684E-01	7.2308E-01	2.2944E-01	2.3204E-01	2.7295E-01	2.0214E-00	1.1965E-00
1.8402E-01	7.4296E-01	2.4624E-01	2.4914E-01	2.6702E-01	2.0156E-00	1.1200E-00
2.0120E-01	7.6164E-01	2.6257E-01	2.6577E-01	2.6176E-01	2.0102E-00	1.0548E-00
2.1838E-01	7.7923E-01	2.7850E-01	2.8201E-01	2.5706E-01	2.0051E-00	9.9869E-01
2.3556E-01	7.9597E-01	2.9404E-01	2.9785E-01	2.5279E-01	2.0000E-00	9.4959E-01
2.6992E-01	8.2710E-01	3.2414E-01	3.2855E-01	2.4537E-01	1.9908E-00	8.6798E-01
3.0428E-01	8.5580E-01	3.5304E-01	3.5806E-01	2.3904E-01	1.9819E-00	8.0234E-01
3.7300E-01	9.0733E-01	4.0798E-01	4.1421E-01	2.2878E-01	1.9660E-00	7.0318E-01
4.4172E-01	9.5288E-01	4.5985E-01	4.6728E-01	2.2076E-01	1.9520E-00	6.3143E-01
5.1044E-01	9.9406E-01	5.0919E-01	5.1779E-01	2.1422E-01	1.9393E-00	5.7665E-01
5.7916E-01	1.0323E-00	5.5617E-01	5.6594E-01	2.0899E-01	1.9268E-00	5.3278E-01
6.4788E-01	1.0676E-00	6.0138E-01	6.1230E-01	2.0380E-01	1.9153E-00	4.9714E-01
7.1600E-01	1.1008E-00	6.4496E-01	6.5906E-01	1.9906E-01	1.9045E-00	4.6740E-01
7.8532E-01	1.1319E-00	6.8722E-01	7.0040E-01	1.9594E-01	1.8946E-00	4.4231E-01
8.5404E-01	1.1616E-00	7.2810E-01	7.4238E-01	1.9262E-01	1.8850E-00	4.2058E-01
9.2148E-01	1.2676E-00	8.0688E-01	8.2211E-01	1.8695E-01	1.8673E-00	3.8509E-01
1.289E-00	1.2676E-00	8.8134E-01	8.9958E-01	1.8217E-01	1.8508E-00	3.5702E-01
1.2664E-00	1.3151E-00	9.5264E-01	9.7318E-01	1.7804E-01	1.8354E-00	3.3415E-01
1.4038E-00	1.3597E-00	1.0212E-00	1.0437E-00	1.7476E-01	1.8212E-00	3.1519E-01
1.5412E-00	1.4019E-00	1.0872E-00	1.1166E-00	1.7127E-01	1.8077E-00	2.9911E-01
1.6787E-00	1.4420E-00	1.1510E-00	1.1773E-00	1.6843E-01	1.7951E-00	2.8529E-01
1.8161E-00	1.4804E-00	1.2128E-00	1.2408E-00	1.6583E-01	1.7829E-00	2.7322E-01
1.9535E-00	1.5172E-00	1.2727E-00	1.3025E-00	1.6347E-01	1.7715E-00	2.6260E-01
2.0910E-00	1.5526E-00	1.3310E-00	1.3625E-00	1.6130E-01	1.7605E-00	2.5316E-01
2.2659E-00	1.6169E-00	1.4432E-00	1.4778E-00	1.5741E-01	1.7399E-00	2.3707E-01
2.4607E-00	1.6832E-00	1.5500E-00	1.5878E-00	1.5400E-01	1.7209E-00	2.2381E-01
2.6407E-00	1.7432E-00	1.6522E-00	1.6929E-00	1.5096E-01	1.7031E-00	2.1264E-01
3.1905E-00	1.8003E-00	1.7505E-00	1.7900E-00	1.4802E-01	1.6865E-00	2.0308E-01
3.4654E-00	1.8549E-00	1.8451E-00	1.8912E-00	1.4572E-01	1.6708E-00	1.9477E-01
4.0151E-00	1.9586E-00	2.0245E-00	2.0756E-00	1.4121E-01	1.6416E-00	1.8093E-01
4.5649E-00	2.0546E-00	2.1940E-00	2.2496E-00	1.3734E-01	1.6157E-00	1.6992E-01
5.1146E-00	2.1454E-00	2.3541E-00	2.4139E-00	1.3385E-01	1.5919E-00	1.6080E-01
5.6644E-00	2.2316E-00	2.5064E-00	2.5701E-00	1.3068E-01	1.5700E-00	1.5311E-01

6.2142E 00	2.3140E 00	2.6518E 00	2.7191E 00	1.2773E 01	1.5496E 00	1.4649E-01
6.7639E 00	2.3929E 00	2.7913E 00	2.8620E 00	1.2499E 01	1.5306E 00	1.4073E-01
7.8634E 00	2.5423E 00	3.0546E 00	3.1314E 00	1.1996E 01	1.4961E 00	1.3108E-01
8.9629E 00	2.6822E 00	3.3004E 00	3.3827E 00	1.1539E 01	1.4654E 00	1.2328E-01
1.0062E 01	2.8137E 00	3.5325E 00	3.6198E 00	1.1122E 01	1.4381E 00	1.1681E-01
1.1162E 01	2.9390E 00	3.7520E 00	3.8437E 00	1.0730E 01	1.4131E 00	1.1129E-01
1.2261E 01	3.0586E 00	3.9609E 00	4.0567E 00	1.0360E 01	1.3903E 00	1.0651E-01
1.3361E 01	3.1736E 00	4.1603E 00	4.2598E 00	1.0006E 01	1.3692E 00	1.0230E-01
1.4460E 01	3.2839E 00	4.3519E 00	4.4549E 00	9.6695E 00	1.3498E 00	9.8567E-02
1.5560E 01	3.3905E 00	4.5362E 00	4.6424E 00	9.3458E 00	1.3317E 00	9.5220E-02
1.7759E 01	3.5932E 00	4.8864E 00	4.9983E 00	8.7340E 00	1.2991E 00	8.9443E-02
1.9958E 01	3.7844E 00	5.2154E 00	5.3323E 00	8.1593E 00	1.2703E 00	8.4600E-02
2.2157E 01	3.9659E 00	5.5263E 00	5.6476E 00	7.6135E 00	1.2445E 00	8.0453E-02
2.4356E 01	4.1387E 00	5.8223E 00	5.9476E 00	7.0950E 00	1.2214E 00	7.6855E-02
2.6555E 01	4.3042E 00	6.1052E 00	6.2341E 00	6.5979E 00	1.2003E 00	7.3688E-02
2.8754E 01	4.4630E 00	6.3768E 00	6.5088E 00	6.1204E 00	1.1811E 00	7.0873E-02
3.3152E 01	4.7640E 00	6.8902E 00	7.0277E 00	5.2112E 00	1.1470E 00	6.6061E-02
3.7550E 01	5.0459E 00	7.3707E 00	7.5127E 00	4.3535E 00	1.1175E 00	6.2079E-02
4.1948E 01	5.3113E 00	7.8251E 00	7.9709E 00	3.5425E 00	1.0919E 00	5.8719E-02
4.6346E 01	5.5631E 00	8.2566E 00	8.4055E 00	2.7655E 00	1.0691E 00	5.5828E-02
5.0744E 01	5.8029E 00	8.6690E 00	8.8204E 00	2.0188E 00	1.0487E 00	5.3309E-02
5.5142E 01	6.0325E 00	9.0641E 00	9.2177E 00	1.2951E 00	1.0302E 00	5.1083E-02
5.9540E 01	6.2527E 00	9.4447E 00	9.6000E 00	5.9410E-01	1.0134E 00	4.9103E-02
6.8337E 01	6.6696E 00	1.0167E 01	1.0325E 01	-7.5864E-01	9.8383E-01	4.5712E-02

* * ALL DATA PROCESSED.

A = 1C.0000E-04

B = 3.0000E-03

EPS = C.

GAM = 0.

X	Y	NUC	NUW	ETAMP	NURATIO	DY/DX
0.	4.0000E-03	0.	0.	0.	0.	5.1673E 06
10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	0.	0.	5.2596E 06
2.0000E-12	4.0105E-03	4.9869E-10	4.9869E-10	0.	0.	5.0709E 06
3.0000E-12	4.0154E-03	7.4711E-10	7.4711E-10	0.	0.	5.1458E 06
4.0000E-12	4.0206E-03	9.9487E-10	9.9487E-10	0.	0.	5.2510E 06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	0.	0.	5.1792E 06
8.0000E-12	4.0417E-03	1.9794E-09	1.9794E-09	0.	0.	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	0.	0.	4.9651E 06
1.4000E-11	4.0711E-03	3.4389E-09	3.4389E-09	0.	0.	4.9653E 06
2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	0.	0.	4.7986E 06
3.0000E-11	4.1466E-03	7.2314E-09	7.2314E-09	0.	0.	4.7803E 06
3.8000E-11	4.1867E-03	9.0763E-09	9.0763E-09	0.	0.	4.5731E 06
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	0.	0.	4.4351E 06
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	0.	0.	4.3283E 06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	0.	0.	4.2018E 06
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	0.	0.	4.2010E 06
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	0.	0.	3.9503E 06
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-08	0.	0.	3.7471E 06
1.1800E-10	4.5098E-03	2.6165E-08	2.6165E-08	0.	0.	3.6882E 06
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-08	0.	0.	3.4591E 06
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	0.	0.	3.3607E 06
1.6600E-10	4.6752E-03	3.5506E-08	3.5506E-08	0.	0.	3.3017E 06
1.8200E-10	4.7278E-03	3.8496E-08	3.8496E-08	0.	0.	3.1505E 06
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-08	0.	0.	3.1024E 06
2.1400E-10	4.8257E-03	4.4346E-08	4.4346E-08	0.	0.	2.9943E 06
2.3000E-10	4.8723E-03	4.7206E-08	4.7206E-08	0.	0.	2.8467E 06
2.4600E-10	4.9165E-03	5.0035E-08	5.0035E-08	0.	0.	2.8071E 06
2.6200E-10	4.9611E-03	5.2811E-08	5.2811E-08	0.	0.	2.7192E 06
2.7800E-10	5.0036E-03	5.5560E-08	5.5560E-08	0.	0.	2.6614E 06
2.9400E-10	5.0459E-03	5.8265E-08	5.8265E-08	0.	0.	2.6123E 06
3.1000E-10	5.0874E-03	6.0935E-08	6.0935E-08	0.	0.	2.5540E 06
3.2600E-10	5.1277E-03	6.3576E-08	6.3576E-08	0.	0.	2.4836E 06
3.5800E-10	5.2044E-03	6.8788E-08	6.8788E-08	0.	0.	2.3561E 06
4.2200E-10	5.3471E-03	7.8921E-08	7.8921E-08	0.	0.	2.1933E 06
4.8600E-10	5.4869E-03	8.8575E-08	8.8575E-08	0.	0.	2.0214E 06
5.5000E-10	5.6105E-03	9.8030E-08	9.8030E-08	0.	0.	1.8917E 06
6.1400E-10	5.7286E-03	1.0718E-07	1.0718E-07	0.	0.	1.7736E 06
6.7800E-10	5.8386E-03	1.1612E-07	1.1612E-07	0.	0.	1.6707E 06
7.4200E-10	5.9427E-03	1.2486E-07	1.2486E-07	0.	0.	1.6054E 06
8.0600E-10	6.0453E-03	1.3333E-07	1.3333E-07	0.	0.	1.5116E 06
8.7000E-10	6.1383E-03	1.4173E-07	1.4173E-07	0.	0.	1.4441E 06
9.3400E-10	6.2293E-03	1.4994E-07	1.4994E-07	0.	0.	1.3916E 06
9.9800E-10	6.3168E-03	1.5799E-07	1.5799E-07	0.	0.	1.3205E 06
1.0620E-09	6.3972E-03	1.6601E-07	1.6601E-07	0.	0.	1.2741E 06
1.1260E-09	6.4779E-03	1.7382E-07	1.7382E-07	0.	0.	1.2256E 06
1.1900E-09	6.5548E-03	1.8155E-07	1.8155E-07	0.	0.	1.1798E 06
1.2540E-09	6.6289E-03	1.8917E-07	1.8917E-07	0.	0.	1.1473E 06
1.3180E-09	6.7019E-03	1.9666E-07	1.9666E-07	0.	0.	1.1066E 06
1.3820E-09	6.7712E-03	2.0410E-07	2.0410E-07	0.	0.	1.0759E 06
1.4460E-09	6.8393E-03	2.1142E-07	2.1142E-07	0.	0.	1.0449E 06
1.5740E-09	6.9690E-03	2.2586E-07	2.2586E-07	0.	0.	9.8184E 05
1.8300E-09	7.2039E-03	2.5403E-07	2.5403E-07	0.	0.	8.9242E 05
2.0860E-09	7.4322E-03	2.8067E-07	2.8067E-07	0.	0.	8.1298E 05
2.3420E-09	7.6312E-03	3.0690E-07	3.0690E-07	0.	0.	7.5277E 05
2.5980E-09	7.8192E-03	3.3226E-07	3.3226E-07	0.	0.	6.9784E 05
2.8540E-09	7.9913E-03	3.5714E-07	3.5714E-07	0.	0.	6.5217E 05
3.1100E-09	8.1538E-03	3.8142E-07	3.8142E-07	0.	0.	6.1418E 05

3.3660E-09	8.3048E-03	4.0521E-07	4.0521E-07	0.	0.	5.8168E 05
3.6220E-09	8.4519E-03	4.2854E-07	4.2854E-07	0.	0.	5.5163E 05
3.8780E-09	8.5892E-03	4.5150E-07	4.5150E-07	0.	0.	5.2620E 05
4.1340E-09	8.7213E-03	4.7401E-07	4.7401E-07	0.	0.	5.0219E 05
4.3900E-09	8.8470E-03	4.9622E-07	4.9622E-07	0.	0.	4.8112E 05
4.6460E-09	8.9679E-03	5.1807E-07	5.1807E-07	0.	0.	4.6227E 05
4.9020E-09	9.0840E-03	5.3963E-07	5.3963E-07	0.	0.	4.4419E 05
5.1580E-09	9.1953E-03	5.6094E-07	5.6094E-07	0.	0.	4.2926E 05
5.4140E-09	9.3038E-03	5.8191E-07	5.8191E-07	0.	0.	4.1391E 05
5.6700E-09	9.4078E-03	6.0269E-07	6.0269E-07	0.	0.	3.9984E 05
5.9260E-09	9.5084E-03	6.2324E-07	6.2324E-07	0.	0.	3.8783E 05
6.1820E-09	9.6065E-03	6.4352E-07	6.4352E-07	0.	0.	3.7596E 05
6.4940E-09	9.7930E-03	6.8355E-07	6.8355E-07	0.	0.	3.5460E 05
7.2060E-09	9.9700E-03	7.2277E-07	7.2277E-07	0.	0.	3.3617E 05
7.7180E-09	1.0138E-02	7.6129E-07	7.6129E-07	0.	0.	3.1996E 05
8.2300E-09	1.0298E-02	7.9918E-07	7.9918E-07	0.	0.	3.0509E 05
8.7420E-09	1.0451E-02	8.3651E-07	8.3651E-07	0.	0.	2.9200E 05
9.2540E-09	1.0597E-02	8.7325E-07	8.7325E-07	0.	0.	2.8017E 05
9.7660E-09	1.0738E-02	9.0950E-07	9.0950E-07	0.	0.	2.6925E 05
1.0278E-08	1.0873E-02	9.4528E-07	9.4528E-07	0.	0.	2.5934E 05
1.0790E-08	1.1004E-02	9.8059E-07	9.8059E-07	0.	0.	2.5013E 05
1.1302E-08	1.1129E-02	1.0155E-06	1.0155E-06	0.	0.	2.4180E 05
1.1814E-08	1.1251E-02	1.0500E-06	1.0500E-06	0.	0.	2.3397E 05
1.2326E-08	1.1369E-02	1.0842E-06	1.0842E-06	0.	0.	2.2682E 05
1.2838E-08	1.1484E-02	1.1179E-06	1.1179E-06	0.	0.	2.2009E 05
1.3350E-08	1.1595E-02	1.1514E-06	1.1514E-06	0.	0.	2.1380E 05
1.4374E-08	1.1808E-02	1.2173E-06	1.2173E-06	0.	0.	2.0245E 05
1.6422E-08	1.2203E-02	1.3458E-06	1.3458E-06	0.	0.	1.8346E 05
1.8470E-08	1.2562E-02	1.4703E-06	1.4703E-06	0.	0.	1.6810E 05
2.0518E-08	1.2892E-02	1.5915E-06	1.5915E-06	0.	0.	1.5556E 05
2.2566E-08	1.3199E-02	1.7096E-06	1.7096E-06	0.	0.	1.4494E 05
2.4614E-08	1.3486E-02	1.8251E-06	1.8251E-06	0.	0.	1.3584E 05
2.6662E-08	1.3756E-02	1.9382E-06	1.9382E-06	0.	0.	1.2802E 05
2.8710E-08	1.4011E-02	2.0491E-06	2.0491E-06	0.	0.	1.2119E 05
3.0758E-08	1.4253E-02	2.1580E-06	2.1580E-06	0.	0.	1.1508E 05
3.2806E-08	1.4483E-02	2.2651E-06	2.2651E-06	0.	0.	1.0971E 05
3.4854E-08	1.4703E-02	2.3705E-06	2.3705E-06	0.	0.	1.0484E 05
3.6902E-08	1.4913E-02	2.4745E-06	2.4745E-06	0.	0.	1.0048E 05
4.0998E-08	1.5309E-02	2.6780E-06	2.6780E-06	0.	0.	9.2895E 04
4.5094E-08	1.5676E-02	2.8765E-06	2.8765E-06	0.	0.	8.6511E 04
4.9190E-08	1.6019E-02	3.0707E-06	3.0707E-06	0.	0.	8.1068E 04
5.3286E-08	1.6341E-02	3.2608E-06	3.2608E-06	0.	0.	7.6377E 04
5.7382E-08	1.6646E-02	3.4473E-06	3.4473E-06	0.	0.	7.2255E 04
6.5574E-08	1.7207E-02	3.8108E-06	3.8108E-06	0.	0.	6.5417E 04
7.3766E-08	1.7721E-02	4.1626E-06	4.1626E-06	0.	0.	5.9891E 04
8.1958E-08	1.8193E-02	4.5050E-06	4.5050E-06	0.	0.	5.5350E 04
9.0150E-08	1.8631E-02	4.8388E-06	4.8388E-06	0.	0.	5.1540E 04
9.8242E-08	1.9038E-02	5.1656E-06	5.1656E-06	0.	0.	4.8302E 04
1.0653E-07	1.9422E-02	5.4852E-06	5.4852E-06	0.	0.	4.5493E 04
1.1473E-07	1.9784E-02	5.7988E-06	5.7988E-06	0.	0.	4.3041E 04
1.2292E-07	2.0128E-02	6.1067E-06	6.1067E-06	0.	0.	4.0870E 04
1.3530E-07	2.0766E-02	6.7082E-06	6.7082E-06	0.	0.	3.7221E 04
1.5569E-07	2.1350E-02	7.2919E-06	7.2919E-06	0.	0.	3.4247E 04
1.7207E-07	2.1891E-02	7.8603E-06	7.8603E-06	0.	0.	3.1772E 04
1.8845E-07	2.2394E-02	8.4153E-06	8.4153E-06	0.	0.	2.9680E 04
2.0484E-07	2.2865E-02	8.9586E-06	8.9586E-06	0.	0.	2.7883E 04
2.2122E-07	2.3309E-02	9.4910E-06	9.4910E-06	0.	0.	2.6323E 04
2.5399E-07	2.4127E-02	1.0527E-05	1.0527E-05	0.	0.	2.3733E 04
2.8676E-07	2.4869E-02	1.1531E-05	1.1531E-05	0.	0.	2.1672E 04
3.1953E-07	2.5551E-02	1.2506E-05	1.2506E-05	0.	0.	1.9985E 04
3.5229E-07	2.6182E-02	1.3456E-05	1.3456E-05	0.	0.	1.8575E 04
3.8506E-07	2.6771E-02	1.4384E-05	1.4384E-05	0.	0.	1.7375E 04

4.5060E-07	2.7841E-02	1.6185E-05	1.6185E-05	0.	0.	1.5448E 04
5.1613E-07	2.8798E-02	1.7923E-05	1.7923E-05	0.	0.	1.3960E 04
5.8167E-07	2.9675E-02	1.9601E-05	1.9601E-05	0.	0.	1.2759E 04
6.4721E-07	3.0478E-02	2.1235E-05	2.1235E-05	0.	0.	1.1777E 04
7.1274E-07	3.1223E-02	2.2827E-05	2.2827E-05	0.	0.	1.0953E 04
7.7828E-07	3.1914E-02	2.4386E-05	2.4386E-05	0.	0.	1.0258E 04
8.4381E-07	3.2568E-02	2.5910E-05	2.5910E-05	0.	0.	9.6529E 03
9.0935E-07	3.3182E-02	2.7405E-05	2.7405E-05	0.	0.	9.1268E 03
9.7489E-07	3.3765E-02	2.8873E-05	2.8873E-05	0.	0.	8.6628E 03
1.0404E-06	3.4318E-02	3.0317E-05	3.0317E-05	0.	0.	8.2504E 03
1.1060E-06	3.4847E-02	3.1738E-05	3.1738E-05	0.	0.	7.8808E 03
1.12370E-06	3.5837E-02	3.4518E-05	3.4518E-05	0.	0.	7.2461E 03
1.3681E-06	3.6752E-02	3.7226E-05	3.7226E-05	0.	0.	6.7186E 03
1.4992E-06	3.7602E-02	3.9870E-05	3.9870E-05	0.	0.	6.2732E 03
1.6302E-06	3.8399E-02	4.2456E-05	4.2456E-05	0.	0.	5.8909E 03
1.7613E-06	3.9148E-02	4.4991E-05	4.4991E-05	0.	0.	5.5593E 03
2.0235E-06	4.0532E-02	4.9922E-05	4.9922E-05	0.	0.	5.0094E 03
2.2856E-06	4.1788E-02	5.4695E-05	5.4695E-05	0.	0.	4.5715E 03
2.5477E-06	4.2935E-02	5.9340E-05	5.9340E-05	0.	0.	4.2151E 03
2.8099E-06	4.4001E-02	6.3860E-05	6.3860E-05	0.	0.	3.9165E 03
3.0720E-06	4.4992E-02	6.8279E-05	6.8279E-05	0.	0.	3.6635E 03
3.3342E-06	4.5926E-02	7.2599E-05	7.2599E-05	0.	0.	3.4447E 03
3.5963E-06	4.6803E-02	7.6839E-05	7.6839E-05	0.	0.	3.2548E 03
3.8585E-06	4.7635E-02	8.1001E-05	8.1001E-05	0.	0.	3.0874E 03
4.3828E-06	4.9175E-02	8.9127E-05	8.9127E-05	0.	0.	2.8067E 03
4.9070E-06	5.0582E-02	9.7012E-05	9.7012E-05	0.	0.	2.5791E 03
5.4313E-06	5.1886E-02	1.0468E-04	1.0468E-04	0.	0.	2.3896E 03
5.9556E-06	5.3096E-02	1.1217E-04	1.1217E-04	0.	0.	2.2303E 03
6.4799E-06	5.4229E-02	1.1949E-04	1.1949E-04	0.	0.	2.0935E 03
7.0042E-06	5.5292E-02	1.2668E-04	1.2668E-04	0.	0.	1.9752E 03
7.5285E-06	5.6301E-02	1.3372E-04	1.3372E-04	0.	0.	1.8710E 03
8.5771E-06	5.8165E-02	1.4746E-04	1.4746E-04	0.	0.	1.6971E 03
9.6256E-06	5.9867E-02	1.6078E-04	1.6078E-04	0.	0.	1.5566E 03
1.0674E-05	6.1439E-02	1.7374E-04	1.7374E-04	0.	0.	1.4404E 03
1.1723E-05	6.2896E-02	1.8638E-04	1.8638E-04	0.	0.	1.3427E 03
1.2771E-05	6.4260E-02	1.9874E-04	1.9874E-04	0.	0.	1.2592E 03
1.4869E-05	6.6742E-02	2.2278E-04	2.2278E-04	0.	0.	1.1241E 03
1.6966E-05	6.8975E-02	2.4597E-04	2.4597E-04	0.	0.	1.0186E 03
1.9063E-05	7.1022E-02	2.6841E-04	2.6841E-04	0.	0.	9.3323E 02
2.1160E-05	7.2901E-02	2.9026E-04	2.9026E-04	0.	0.	8.6308E 02
2.3257E-05	7.4649E-02	3.1155E-04	3.1155E-04	0.	0.	8.0400E 02
2.5354E-05	7.6276E-02	3.3240E-04	3.3240E-04	0.	0.	7.5377E 02
2.7451E-05	7.7812E-02	3.5279E-04	3.5279E-04	0.	0.	7.1010E 02
3.1646E-05	8.0626E-02	3.9250E-04	3.9250E-04	0.	0.	6.3850E 02
3.5840E-05	8.3179E-02	4.3088E-04	4.3088E-04	0.	0.	5.8166E 02
4.0034E-05	8.5523E-02	4.6811E-04	4.6811E-04	0.	0.	5.3527E 02
4.4229E-05	8.7684E-02	5.0441E-04	5.0441E-04	0.	0.	4.9679E 02
4.8423E-05	8.9699E-02	5.3984E-04	5.3984E-04	0.	0.	4.6418E 02
5.2617E-05	9.1583E-02	5.7453E-04	5.7453E-04	0.	0.	4.3620E 02
5.6812E-05	9.3364E-02	6.0849E-04	6.0849E-04	0.	0.	4.1181E 02
6.1006E-05	9.5045E-02	6.4186E-04	6.4186E-04	0.	0.	3.9042E 02
6.5200E-05	9.6643E-02	6.7465E-04	6.7465E-04	0.	0.	3.7145E 02
7.3589E-05	9.9616E-02	7.3872E-04	7.3872E-04	0.	0.	3.3930E 02
8.1977E-05	1.0235E-01	8.0098E-04	8.0098E-04	0.	0.	3.1299E 02
9.0366E-05	1.0488E-01	8.6161E-04	8.6161E-04	0.	0.	2.9094E 02
9.8755E-05	1.0724E-01	9.2088E-04	9.2088E-04	0.	0.	2.7225E 02
1.0714E-04	1.0946E-01	9.7888E-04	9.7888E-04	0.	0.	2.5613E 02
1.1553E-04	1.1154E-01	1.0358E-03	1.0358E-03	0.	0.	2.4211E 02
1.2392E-04	1.1352E-01	1.0916E-03	1.0916E-03	0.	0.	2.2973E 02
1.4070E-04	1.1719E-01	1.2006E-03	1.2006E-03	0.	0.	2.0893E 02
1.5747E-04	1.2055E-01	1.3063E-03	1.3063E-03	0.	0.	1.9203E 02
1.7425E-04	1.2366E-01	1.4092E-03	1.4092E-03	0.	0.	1.7803E 02

1.9103E-04	1.2654E-01	1.5096E-03	1.5096E-03	0.	0.	1.6621E 02
2.2458E-04	1.3177E-01	1.7044E-03	1.7044E-03	0.	0.	1.4734E 02
2.5814E-04	1.3643E-01	1.8921E-03	1.8921E-03	0.	0.	1.3285E 02
2.9169E-04	1.4070E-01	2.0731E-03	2.0731E-03	0.	0.	1.2121E 02
3.2525E-04	1.4460E-01	2.2492E-03	2.2492E-03	0.	0.	1.1174E 02
3.5880E-04	1.4823E-01	2.4207E-03	2.4207E-03	0.	0.	1.0382E 02
3.9236E-04	1.5157E-01	2.5885E-03	2.5885E-03	0.	0.	9.7153E 01
4.2591E-04	1.5474E-01	2.7524E-03	2.7524E-03	0.	0.	9.1365E 01
4.5946E-04	1.5772E-01	2.9132E-03	2.9132E-03	0.	0.	8.6344E 01
4.9302E-04	1.6054E-01	3.0710E-03	3.0710E-03	0.	0.	8.1919E 01
5.2657E-04	1.6322E-01	3.2262E-03	3.2262E-03	0.	0.	7.7994E 01
5.6013E-04	1.6578E-01	3.3788E-03	3.3788E-03	0.	0.	7.4480E 01
6.2724E-04	1.7057E-01	3.6774E-03	3.6774E-03	0.	0.	6.8456E 01
6.9435E-04	1.7499E-01	3.9680E-03	3.9680E-03	0.	0.	6.3459E 01
7.6145E-04	1.7910E-01	4.2515E-03	4.2515E-03	0.	0.	5.9241E 01
8.2856E-04	1.8295E-01	4.5288E-03	4.5288E-03	0.	0.	5.5629E 01
9.6278E-04	1.9000E-01	5.0672E-03	5.0672E-03	0.	0.	4.9751E 01
1.0970E-03	1.9633E-01	5.5875E-03	5.5875E-03	0.	0.	4.5165E 01
1.2312E-03	2.0215E-01	6.0905E-03	6.0905E-03	0.	0.	4.1438E 01
1.3654E-03	2.0750E-01	6.5804E-03	6.5804E-03	0.	0.	3.8370E 01
1.6339E-03	2.1721E-01	7.5221E-03	7.5221E-03	0.	0.	3.3543E 01
1.9023E-03	2.2578E-01	8.4255E-03	8.4255E-03	0.	0.	2.9939E 01
2.1707E-03	2.3340E-01	9.3007E-03	9.3007E-03	0.	0.	2.7165E 01
2.4392E-03	2.4040E-01	1.0146E-02	1.0146E-02	0.	0.	2.4913E 01
2.7076E-03	2.4682E-01	1.0970E-02	1.0970E-02	0.	0.	2.3065E 01
2.9760E-03	2.5283E-01	1.1771E-02	1.1771E-02	0.	0.	2.1502E 01
3.5129E-03	2.6362E-01	1.3326E-02	1.3326E-02	0.	0.	1.9036E 01
4.0498E-03	2.7330E-01	1.4818E-02	1.4818E-02	0.	0.	1.7142E 01
4.5867E-03	2.8211E-01	1.6258E-02	1.6258E-02	0.	0.	1.5634E 01
5.1235E-03	2.9017E-01	1.7657E-02	1.7657E-02	0.	0.	1.4411E 01
5.6604E-03	2.9761E-01	1.9019E-02	1.9019E-02	0.	0.	1.3393E 01
6.1973E-03	3.0456E-01	2.0348E-02	2.0348E-02	0.	0.	1.2531E 01
6.7341E-03	3.1110E-01	2.1646E-02	2.1646E-02	0.	0.	1.1787E 01
7.2710E-03	3.1725E-01	2.2919E-02	2.2919E-02	0.	0.	1.1142E 01
8.3448E-03	3.2864E-01	2.5392E-02	2.5392E-02	0.	0.	1.0070E 01
9.4185E-03	3.3900E-01	2.7783E-02	2.7783E-02	0.	0.	9.2158E 00
1.0492E-02	3.4847E-01	3.0109E-02	3.0109E-02	0.	0.	8.5194E 00
1.1566E-02	3.5729E-01	3.2371E-02	3.2371E-02	0.	0.	7.9348E 00
1.2640E-02	3.6553E-01	3.4579E-02	3.4579E-02	0.	0.	7.4382E 00
1.3713E-02	3.7330E-01	3.6735E-02	3.6735E-02	0.	0.	7.0083E 00
1.4787E-02	3.8062E-01	3.8850E-02	3.8850E-02	0.	0.	6.6347E 00
1.5861E-02	3.8757E-01	4.0924E-02	4.0924E-02	0.	0.	6.3050E 00
1.6935E-02	3.9418E-01	4.2962E-02	4.2962E-02	0.	0.	6.0125E 00
1.8008E-02	4.0049E-01	4.4966E-02	4.4966E-02	0.	0.	5.7505E 00
2.0156E-02	4.1234E-01	4.8882E-02	4.8882E-02	0.	0.	5.3006E 00
2.2303E-02	4.2330E-01	5.2689E-02	5.2689E-02	0.	0.	4.9270E 00
2.4451E-02	4.3354E-01	5.6398E-02	5.6398E-02	0.	0.	4.6107E 00
2.6598E-02	4.4314E-01	6.0022E-02	6.0022E-02	0.	0.	4.3398E 00
2.8746E-02	4.5221E-01	6.3568E-02	6.3568E-02	0.	0.	4.1043E 00
3.0893E-02	4.6079E-01	6.7045E-02	6.7045E-02	0.	0.	3.8977E 00
3.5188E-02	4.7678E-01	7.3805E-02	7.3805E-02	0.	0.	3.5506E 00
3.9483E-02	4.9145E-01	8.0341E-02	8.0341E-02	0.	0.	3.2698E 00
4.3778E-02	5.0497E-01	8.6694E-02	8.6694E-02	0.	0.	3.0384E 00
4.8073E-02	5.1759E-01	9.2878E-02	9.2878E-02	0.	0.	2.8432E 00
5.2368E-02	5.2943E-01	9.8915E-02	9.8915E-02	0.	0.	2.6762E 00
5.6663E-02	5.4062E-01	1.0481E-01	1.0481E-01	0.	0.	2.5312E 00
6.0958E-02	5.5121E-01	1.1059E-01	1.1059E-01	0.	0.	2.4042E 00
6.5253E-02	5.6130E-01	1.1625E-01	1.1625E-01	0.	0.	2.2918E 00
7.3843E-02	5.8012E-01	1.2729E-01	1.2729E-01	0.	0.	2.1018E 00
8.2433E-02	5.9748E-01	1.3797E-01	1.3797E-01	0.	0.	1.9466E 00
9.1023E-02	6.1365E-01	1.4833E-01	1.4833E-01	0.	0.	1.8168E 00
9.9613E-02	6.2876E-01	1.5843E-01	1.5843E-01	0.	0.	1.7069E 00

1.0820E-01	6.4301E-01	1.6827E-01	1.6827E-01	0.	0.	1.6122E-00
1.1679E-01	6.5649E-01	1.7791E-01	1.7791E-01	0.	0.	1.5297E-00
1.2538E-01	6.6932E-01	1.8733E-01	1.8733E-01	0.	0.	1.4570E-00
1.3397E-01	6.8155E-01	1.9657E-01	1.9657E-01	0.	0.	1.3925E-00
1.5115E-01	7.0452E-01	2.1455E-01	2.1455E-01	0.	0.	1.2827E-00
1.6833E-01	7.2579E-01	2.3193E-01	2.3193E-01	0.	0.	1.1925E-00
1.8551E-01	7.4555E-01	2.4883E-01	2.4883E-01	0.	0.	1.1172E-00
2.0269E-01	7.6418E-01	2.6524E-01	2.6524E-01	0.	0.	1.0529E-00
2.3705E-01	7.9831E-01	2.9694E-01	2.9694E-01	0.	0.	9.4929E-01
2.7141E-01	8.2935E-01	3.2726E-01	3.2726E-01	0.	0.	8.6856E-01
3.0577E-01	8.5810E-01	3.5634E-01	3.5634E-01	0.	0.	8.0327E-01
3.4013E-01	8.8471E-01	3.8446E-01	3.8446E-01	0.	0.	7.4973E-01
3.7449E-01	9.0969E-01	4.1167E-01	4.1167E-01	0.	0.	7.0465E-01
4.0885E-01	9.3316E-01	4.3814E-01	4.3814E-01	0.	0.	6.6629E-01
4.4321E-01	9.5550E-01	4.6385E-01	4.6385E-01	0.	0.	6.3295E-01
5.1193E-01	9.9695E-01	5.1349E-01	5.1349E-01	0.	0.	5.7817E-01
5.8065E-01	1.0352E-00	5.6090E-01	5.6090E-01	0.	0.	5.3454E-01
6.4937E-01	1.0707E-00	6.0648E-01	6.0648E-01	0.	0.	4.9898E-01
7.1809E-01	1.1040E-00	6.5046E-01	6.5046E-01	0.	0.	4.6935E-01
7.8681E-01	1.1353E-00	6.9304E-01	6.9304E-01	0.	0.	4.4423E-01
8.5553E-01	1.1651E-00	7.3432E-01	7.3432E-01	0.	0.	4.2257E-01
9.2425E-01	1.1934E-00	7.7445E-01	7.7445E-01	0.	0.	4.0369E-01
1.0617E-00	1.2467E-00	8.5158E-01	8.5158E-01	0.	0.	3.7222E-01
1.1991E-00	1.2962E-00	9.2512E-01	9.2512E-01	0.	0.	3.4698E-01
1.3366E-00	1.3423E-00	9.9576E-01	9.9576E-01	0.	0.	3.2631E-01
1.4740E-00	1.3859E-00	1.0636E-00	1.0636E-00	0.	0.	3.0889E-01
1.6114E-00	1.4272E-00	1.1291E-00	1.1291E-00	0.	0.	2.9401E-01
1.7489E-00	1.4668E-00	1.1923E-00	1.1923E-00	0.	0.	2.8109E-01
1.8863E-00	1.5046E-00	1.2537E-00	1.2537E-00	0.	0.	2.6979E-01
2.0238E-00	1.5411E-00	1.3132E-00	1.3132E-00	0.	0.	2.5979E-01
2.2986E-00	1.6100E-00	1.4277E-00	1.4277E-00	0.	0.	2.4285E-01
2.5735E-00	1.6747E-00	1.5367E-00	1.5367E-00	0.	0.	2.2897E-01
2.8484E-00	1.7361E-00	1.6407E-00	1.6407E-00	0.	0.	2.1731E-01
3.1233E-00	1.7944E-00	1.7406E-00	1.7406E-00	0.	0.	2.0739E-01
3.3981E-00	1.8502E-00	1.8366E-00	1.8366E-00	0.	0.	1.9880E-01
3.6730E-00	1.9038E-00	1.9293E-00	1.9293E-00	0.	0.	1.9128E-01
3.9479E-00	1.9554E-00	2.0189E-00	2.0189E-00	0.	0.	1.8461E-01
4.2228E-00	2.0053E-00	2.1058E-00	2.1058E-00	0.	0.	1.7865E-01
4.7725E-00	2.1007E-00	2.2719E-00	2.2719E-00	0.	0.	1.6840E-01
5.3223E-00	2.1910E-00	2.4292E-00	2.4292E-00	0.	0.	1.5988E-01
5.8720E-00	2.2767E-00	2.5792E-00	2.5792E-00	0.	0.	1.5265E-01
6.4218E-00	2.3588E-00	2.7224E-00	2.7224E-00	0.	0.	1.4640E-01
6.9716E-00	2.4377E-00	2.8598E-00	2.8598E-00	0.	0.	1.4092E-01
7.5213E-00	2.5139E-00	2.9919E-00	2.9919E-00	0.	0.	1.3606E-01
8.0711E-00	2.5875E-00	3.1193E-00	3.1193E-00	0.	0.	1.3172E-01
8.6208E-00	2.6588E-00	3.2423E-00	3.2423E-00	0.	0.	1.2780E-01
9.7203E-00	2.7955E-00	3.4772E-00	3.4772E-00	0.	0.	1.2098E-01
1.0820E-01	2.9253E-00	3.6988E-00	3.6988E-00	0.	0.	1.1522E-01
1.3019E-01	3.1683E-00	4.1091E-00	4.1091E-00	0.	0.	1.0591E-01
1.5218E-01	3.3940E-00	4.4838E-00	4.4838E-00	0.	0.	9.8615E-02
1.7417E-01	3.6036E-00	4.8332E-00	4.8332E-00	0.	0.	9.2734E-02
1.9616E-01	3.8019E-00	5.1596E-00	5.1596E-00	0.	0.	8.7812E-02
2.1815E-01	3.9902E-00	5.4672E-00	5.4672E-00	0.	0.	8.3616E-02
2.4014E-01	4.1701E-00	5.7586E-00	5.7586E-00	0.	0.	7.9974E-02
2.6213E-01	4.3424E-00	6.0365E-00	6.0365E-00	0.	0.	7.6780E-02
3.0611E-01	4.6681E-00	6.5575E-00	6.5575E-00	0.	0.	7.1400E-02
3.5009E-01	4.9721E-00	7.0411E-00	7.0411E-00	0.	0.	6.7023E-02
3.9407E-01	5.2581E-00	7.4945E-00	7.4945E-00	0.	0.	6.3371E-02
4.3805E-01	5.5299E-00	7.9215E-00	7.9215E-00	0.	0.	6.0254E-02
4.8203E-01	5.7889E-00	8.3269E-00	8.3269E-00	0.	0.	5.7557E-02
5.6999E-01	6.2754E-00	9.0830E-00	9.0830E-00	0.	0.	5.3093E-02
6.5795E-01	6.7261E-00	9.7821E-00	9.7821E-00	0.	0.	4.9535E-02

A = 10.0000E-04		B = 3.0000E-03		EPS = C.		GAM = 10.0000E-04	
X	Y	NUC	NLW	ETAPC	NURATIO	DY/DX	
0.	4.0000E-03	0.	0.	8.3334E 04	0.	5.1673E 06	
10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	8.3227E 04	0.	5.2596E 06	
2.0000E-12	4.0105E-03	4.9869E-10	4.9869E-10	8.3116E 04	0.	5.0709E 06	
3.0000E-12	4.0154E-03	7.4711E-10	7.4711E-10	8.3013E 04	0.	5.1458E 06	
4.0000E-12	4.0206E-03	9.9487E-10	9.9487E-10	8.2906E 04	0.	5.2510E 06	
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	8.2685E 04	0.	5.1792E 06	
8.0000E-12	4.0417E-03	1.9794E-09	1.9794E-09	8.2474E 04	0.	5.0741E 06	
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	8.2270E 04	0.	4.9651E 06	
1.4000E-11	4.0711E-03	3.4389E-09	3.4389E-09	8.1878E 04	0.	4.9653E 06	
2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	8.1087E 04	0.	4.7986E 06	
3.0000E-11	4.1486E-03	7.2314E-09	7.2314E-09	8.0350E 04	0.	4.7803E 06	
3.8000E-11	4.1867E-03	9.0763E-09	9.0763E-09	7.9617E 04	0.	4.5731E 06	
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	7.8955E 04	0.	4.4351E 06	
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	7.8303E 04	0.	4.3283E 06	
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	7.7677E 04	0.	4.2018E 06	
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	7.7083E 04	0.	4.2010E 06	
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	7.5904E 04	0.	3.9503E 06	
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-08	7.4889E 04	0.	3.7471E 06	
1.1800E-10	4.5098E-03	2.6165E-08	2.6165E-08	7.3915E 04	0.	3.6882E 06	
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-08	7.2943E 04	0.	3.4591E 06	
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	7.2116E 04	0.	3.3607E 06	
1.6600E-10	4.6752E-03	3.5506E-08	3.5506E-08	7.1299E 04	0.	3.3017E 06	
1.8200E-10	4.7278E-03	3.8496E-08	3.8496E-08	7.0505E 04	0.	3.1505E 06	
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-08	6.9788E 04	0.	3.1024E 06	
2.1400E-10	4.8257E-03	4.4346E-08	4.4346E-08	6.9076E 04	0.	2.9943E 06	
2.3000E-10	4.8723E-03	4.7206E-08	4.7206E-08	6.8415E 04	0.	2.8467E 06	
2.4600E-10	4.9165E-03	5.0035E-08	5.0035E-08	6.7799E 04	0.	2.8071E 06	
2.6200E-10	4.9611E-03	5.2811E-08	5.2811E-08	6.7190E 04	0.	2.7192E 06	
2.7800E-10	5.0036E-03	5.5560E-08	5.5560E-08	6.6619E 04	0.	2.6614E 06	
2.9400E-10	5.0459E-03	5.8265E-08	5.8265E-08	6.6061E 04	0.	2.6123E 06	
3.1000E-10	5.0874E-03	6.0935E-08	6.0935E-08	6.5522E 04	0.	2.5540E 06	
3.2600E-10	5.1277E-03	6.3576E-08	6.3576E-08	6.5007E 04	0.	2.4836E 06	
3.5800E-10	5.2044E-03	6.8788E-08	6.8788E-08	6.4049E 04	0.	2.3561E 06	
4.2200E-10	5.3471E-03	7.8921E-08	7.8921E-08	6.2340E 04	0.	2.1933E 06	
4.8600E-10	5.4869E-03	8.8575E-08	8.8575E-08	6.0752E 04	0.	2.0214E 06	
5.5000E-10	5.6105E-03	9.8030E-08	9.8030E-08	5.9413E 04	0.	1.8917E 06	
6.1400E-10	5.7286E-03	1.0718E-07	1.0718E-07	5.8189E 04	0.	1.7736E 06	
6.7800E-10	5.8386E-03	1.1612E-07	1.1612E-07	5.7092E 04	0.	1.6707E 06	
7.4200E-10	5.9427E-03	1.2486E-07	1.2486E-07	5.6092E 04	0.	1.6054E 06	
8.0600E-10	6.0453E-03	1.3333E-07	1.3333E-07	5.5140E 04	0.	1.5116E 06	
8.7000E-10	6.1383E-03	1.4173E-07	1.4173E-07	5.4305E 04	0.	1.4441E 06	
9.3400E-10	6.2293E-03	1.4994E-07	1.4994E-07	5.3512E 04	0.	1.3916E 06	
9.9800E-10	6.3168E-03	1.5799E-07	1.5799E-07	5.2770E 04	0.	1.3205E 06	
1.0620E-09	6.3972E-03	1.6601E-07	1.6601E-07	5.2107E 04	0.	1.2741E 06	
1.1260E-09	6.4779E-03	1.7382E-07	1.7382E-07	5.1458E 04	0.	1.2256E 06	
1.1900E-09	6.5548E-03	1.8155E-07	1.8155E-07	5.0854E 04	0.	1.1798E 06	
1.2540E-09	6.6289E-03	1.8917E-07	1.8917E-07	5.0286E 04	0.	1.1473E 06	
1.3180E-09	6.7019E-03	1.9666E-07	1.9666E-07	4.9738E 04	0.	1.1066E 06	
1.3820E-09	6.7712E-03	2.0410E-07	2.0410E-07	4.9229E 04	0.	1.0759E 06	
1.4460E-09	6.8393E-03	2.1142E-07	2.1142E-07	4.8739E 04	0.	1.0449E 06	
1.5740E-09	6.9690E-03	2.2586E-07	2.2586E-07	4.7831E 04	0.	9.8184E 05	
1.8300E-09	7.2039E-03	2.5403E-07	2.5403E-07	4.6272E 04	0.	8.9242E 05	
2.0860E-09	7.4322E-03	2.8067E-07	2.8067E-07	4.4851E 04	0.	8.1298E 05	
2.3420E-09	7.6312E-03	3.0690E-07	3.0690E-07	4.3681E 04	0.	7.5277E 05	
2.5980E-09	7.8192E-03	3.3226E-07	3.3226E-07	4.2631E 04	0.	6.9784E 05	
2.8540E-09	7.9913E-03	3.5714E-07	3.5714E-07	4.1713E 04	0.	6.5217E 05	
3.1100E-09	8.1538E-03	3.8142E-07	3.8142E-07	4.0882E 04	0.	6.1418E 05	
3.3660E-09	8.3068E-03	4.0521E-07	4.0521E-07	4.0129E 04	0.	5.8168E 05	
3.6220E-09	8.4519E-03	4.2854E-07	4.2854E-07	3.9440E 04	0.	5.5163E 05	

2.8780E-09	4.5150E-07	4.5150E-07	3.8810E 04	0.	5.2620E 05
4.1340E-09	8.7213E-03	4.7401E-07	3.8222E 04	0.	5.0219E 05
4.3900E-09	8.8470E-03	4.9622E-07	3.7679E 04	0.	4.8112E 05
4.6460E-09	8.9679E-03	5.1807E-07	3.7171E 04	0.	4.6227E 05
4.9020E-09	9.0840E-03	5.3963E-07	3.6696E 04	0.	4.4419E 05
5.1580E-09	9.1953E-03	5.6094E-07	3.6252E 04	0.	4.2926E 05
5.4140E-09	9.3038E-03	5.8191E-07	3.5829E 04	0.	4.1391E 05
5.6700E-09	9.4078E-03	6.0269E-07	3.5433E 04	0.	3.9984E 05
5.9260E-09	9.5064E-03	6.2324E-07	3.5058E 04	0.	3.8783E 05
6.1820E-09	9.6055E-03	6.4352E-07	3.4700E 04	0.	3.7596E 05
6.46940E-09	9.7930E-03	6.8355E-07	3.4039E 04	0.	3.5460E 05
7.2060E-09	9.9700E-03	7.2277E-07	3.3435E 04	0.	3.3617E 05
7.7180E-09	1.0138E-02	7.6129E-07	3.2881E 04	0.	3.1996E 05
8.2300E-09	1.0258E-02	7.9918E-07	3.2370E 04	0.	3.0509E 05
8.7420E-09	1.0451E-02	8.3651E-07	3.1897E 04	0.	2.9200E 05
9.2540E-09	1.0557E-02	8.7325E-07	3.1456E 04	0.	2.8017E 05
9.7660E-09	1.0738E-02	9.0950E-07	3.1044E 04	0.	2.6925E 05
1.0278E-08	1.0873E-02	9.4528E-07	3.0658E 04	0.	2.5934E 05
1.0790E-08	1.1004E-02	9.8059E-07	3.0294E 04	0.	2.5013E 05
1.1302E-08	1.1129E-02	1.0155E-06	2.9952E 04	0.	2.4180E 05
1.1814E-08	1.1251E-02	1.0500E-06	2.9648E 04	0.	2.3397E 05
1.2326E-08	1.1369E-02	1.0842E-06	2.9320E 04	0.	2.2682E 05
1.2838E-08	1.1484E-02	1.1179E-06	2.9028E 04	0.	2.2009E 05
1.3350E-08	1.1595E-02	1.1514E-06	2.8750E 04	0.	2.1380E 05
1.4374E-08	1.1808E-02	1.2173E-06	2.8232E 04	0.	2.0245E 05
1.6422E-08	1.2203E-02	1.3458E-06	2.7318E 04	0.	1.8346E 05
1.84470E-08	1.2562E-02	1.4703E-06	2.6537E 04	0.	1.6810E 05
2.0518E-08	1.2892E-02	1.5915E-06	2.5858E 04	0.	1.5556E 05
2.2566E-08	1.3199E-02	1.7096E-06	2.5255E 04	0.	1.4494E 05
2.4614E-08	1.3486E-02	1.8251E-06	2.4718E 04	0.	1.3584E 05
2.6662E-08	1.3756E-02	1.9382E-06	2.4233E 04	0.	1.2802E 05
2.8710E-08	1.4011E-02	2.0491E-06	2.3792E 04	0.	1.2119E 05
3.0758E-08	1.4253E-02	2.1580E-06	2.3388E 04	0.	1.1508E 05
3.2806E-08	1.4483E-02	2.2651E-06	2.3017E 04	0.	1.0971E 05
3.4854E-08	1.4703E-02	2.3705E-06	2.2673E 04	0.	1.0484E 05
3.6902E-08	1.4913E-02	2.4745E-06	2.2354E 04	0.	1.0048E 05
4.0998E-08	1.5309E-02	2.6780E-06	2.1775E 04	0.	9.2895E 04
4.5094E-08	1.5676E-02	2.8765E-06	2.1265E 04	0.	8.6511E 04
4.9190E-08	1.6019E-02	3.0707E-06	2.0810E 04	0.	8.1068E 04
5.3286E-08	1.6341E-02	3.2608E-06	2.0400E 04	0.	7.6377E 04
5.7382E-08	1.6646E-02	3.4473E-06	2.0027E 04	0.	7.2255E 04
6.5574E-08	1.7207E-02	3.8108E-06	1.9374E 04	0.	6.5417E 04
7.3766E-08	1.7721E-02	4.1626E-06	1.8812E 04	0.	5.9891E 04
8.1958E-08	1.8193E-02	4.5050E-06	1.8325E 04	0.	5.5350E 04
9.0150E-08	1.8631E-02	4.8388E-06	1.7894E 04	0.	5.1506E 04
9.8342E-08	1.9038E-02	5.1656E-06	1.7511E 04	0.	4.8302E 04
1.0653E-07	1.9422E-02	5.4852E-06	1.7165E 04	0.	4.5493E 04
1.1473E-07	1.9784E-02	5.7988E-06	1.6851E 04	0.	4.3041E 04
1.2292E-07	2.0128E-02	6.1067E-06	1.6563E 04	0.	4.0870E 04
1.3930E-07	2.0766E-02	6.7082E-06	1.6054E 04	0.	3.7221E 04
1.5569E-07	2.1350E-02	7.2919E-06	1.5619E 04	0.	3.4247E 04
1.7207E-07	2.1891E-02	7.8603E-06	1.5229E 04	0.	3.1772E 04
1.8845E-07	2.2394E-02	8.4153E-06	1.4887E 04	0.	2.9680E 04
2.0484E-07	2.2865E-02	8.9586E-06	1.4581E 04	0.	2.7883E 04
2.2122E-07	2.3309E-02	9.4910E-06	1.4303E 04	0.	2.6322E 04
2.5399E-07	2.4127E-02	1.0527E-05	1.3818E 04	0.	2.3734E 04
2.8676E-07	2.4869E-02	1.1531E-05	1.3406E 04	0.	2.1672E 04
3.1953E-07	2.5551E-02	1.2506E-05	1.3049E 04	0.	1.9985E 04
3.5229E-07	2.6182E-02	1.3456E-05	1.2734E 04	0.	1.8574E 04
4.1783E-07	2.7339E-02	1.5283E-05	1.2196E 04	0.	1.6315E 04
4.8337E-07	2.8339E-02	1.7056E-05	1.1765E 04	0.	1.4648E 04
5.4890E-07	2.9255E-02	1.8763E-05	1.1397E 04	0.	1.3316E 04

6.1444E-07	3.0086E-02	2.0422E-05	2.0422E-05	1.1C83E 04	0.	1.2242E 04
6.7997E-07	3.0859E-02	2.2035E-05	2.2035E-05	1.0805E 04	0.	1.1346E 04
7.4551E-07	3.1576E-02	2.3610E-05	2.3610E-05	1.0560E 04	0.	1.0591E 04
8.1105E-07	3.2248E-02	2.5150E-05	2.5150E-05	1.0340E 04	0.	9.9427E 03
9.4212E-07	3.3477E-02	2.8142E-05	2.8142E-05	9.9608E 03	0.	8.8881E 03
1.0732E-06	3.4587E-02	3.1C29E-05	3.1029E-05	9.6413E 03	0.	8.0596E 03
1.2043E-06	3.5600E-02	3.3827E-05	3.3827E-05	9.3672E 03	0.	7.3912E 03
1.3353E-06	3.6532E-02	3.6553E-05	3.6553E-05	9.1285E 03	0.	6.8406E 03
1.4664E-06	3.7396E-02	3.9212E-05	3.9213E-05	8.9177E 03	0.	6.3772E 03
1.5975E-06	3.8206E-02	4.1812E-05	4.1812E-05	8.7288E 03	0.	5.9806E 03
1.7285E-06	3.8967E-02	4.4359E-05	4.4359E-05	8.5586E 03	0.	5.6372E 03
1.9907E-06	4.0368E-02	4.9314E-05	4.9314E-05	8.2619E 03	0.	5.0709E 03
2.2528E-06	4.1633E-02	5.4112E-05	5.4112E-05	8.0111E 03	0.	4.6228E 03
2.5150E-06	4.2791E-02	5.8773E-05	5.8774E-05	7.7945E 03	0.	4.2578E 03
2.7771E-06	4.3871E-02	6.3303E-05	6.3303E-05	7.6030E 03	0.	3.9514E 03
3.3014E-06	4.5795E-02	7.2090E-05	7.2091E-05	7.2838E 03	0.	3.4742E 03
3.8257E-06	4.7505E-02	8.0532E-05	8.0533E-05	7.0220E 03	0.	3.1128E 03
4.3500E-06	4.9065E-02	8.8657E-05	8.8658E-05	6.7991E 03	0.	2.8255E 03
4.8743E-06	5.0480E-02	9.6558E-05	9.6559E-05	6.6088E 03	0.	2.5947E 03
5.3986E-06	5.1791E-02	1.0424E-04	1.0424E-04	6.4419E 03	0.	2.4028E 03
5.9229E-06	5.3000E-02	1.1175E-04	1.1175E-04	6.2952E 03	0.	2.2424E 03
6.4471E-06	5.4142E-02	1.1908E-04	1.1908E-04	6.1626E 03	0.	2.1036E 03
6.9714E-06	5.5211E-02	1.2627E-04	1.2627E-04	6.0435E 03	0.	1.9839E 03
7.4957E-06	5.6223E-02	1.3332E-04	1.3332E-04	5.9349E 03	0.	1.8788E 03
8.0200E-06	5.7183E-02	1.4025E-04	1.4025E-04	5.8356E 03	0.	1.7859E 03
8.5443E-06	5.8097E-02	1.4707E-04	1.4707E-04	5.7440E 03	0.	1.7031E 03
9.5929E-06	5.9805E-02	1.6040E-04	1.6040E-04	5.5803E 03	0.	1.5615E 03
1.0641E-05	6.1378E-02	1.7337E-04	1.7338E-04	5.4376E 03	0.	1.4447E 03
1.1690E-05	6.2842E-02	1.8602E-04	1.8602E-04	5.3113E 03	0.	1.3462E 03
1.2739E-05	6.4207E-02	1.9840E-04	1.9840E-04	5.1986E 03	0.	1.2623E 03
1.3787E-05	6.5493E-02	2.1C51E-04	2.1052E-04	5.0969E 03	0.	1.1895E 03
1.4836E-05	6.6704E-02	2.2241E-04	2.2241E-04	5.0045E 03	0.	1.1260E 03
1.5884E-05	6.7856E-02	2.3409E-04	2.3409E-04	4.9199E 03	0.	1.0698E 03
1.7981E-05	6.9294E-02	2.5690E-04	2.5690E-04	4.7700E 03	0.	9.7486E 02
2.0079E-05	7.1957E-02	2.7904E-04	2.7904E-04	4.6404E 03	0.	8.9742E 02
2.4273E-05	7.5468E-02	3.2163E-04	3.2164E-04	4.4252E 03	0.	7.7817E 02
2.8467E-05	7.8558E-02	3.6237E-04	3.6238E-04	4.2519E 03	0.	6.9013E 02
3.2662E-05	8.1288E-02	4.0180E-04	4.0181E-04	4.1097E 03	0.	6.2309E 02
3.6856E-05	8.3781E-02	4.3990E-04	4.3991E-04	3.9879E 03	0.	5.6925E 02
4.1050E-05	8.6070E-02	4.7693E-04	4.7694E-04	3.8823E 03	0.	5.2516E 02
4.5244E-05	8.8201E-02	5.1296E-04	5.1298E-04	3.7890E 03	0.	4.8813E 02
4.9439E-05	9.0180E-02	5.4822E-04	5.4823E-04	3.7063E 03	0.	4.5681E 02
5.3633E-05	9.2041E-02	5.8270E-04	5.8272E-04	3.6318E 03	0.	4.2975E 02
6.2022E-05	9.5444E-02	6.4981E-04	6.4983E-04	3.5030E 03	0.	3.8556E 02
7.0410E-05	9.8522E-02	7.1465E-04	7.1467E-04	3.3942E 03	0.	3.5068E 02
7.8799E-05	1.0135E-01	7.7748E-04	7.7751E-04	3.3002E 03	0.	3.2226E 02
8.7187E-05	1.0395E-01	8.3874E-04	8.3877E-04	3.2182E 03	0.	2.9879E 02
9.5576E-05	1.0637E-01	8.9850E-04	8.9853E-04	3.1454E 03	0.	2.7893E 02
1.0396E-04	1.0863E-01	9.5701E-04	9.5705E-04	3.0805E 03	0.	2.6196E 02
1.1235E-04	1.1077E-01	1.0143E-03	1.0143E-03	3.0215E 03	0.	2.4717E 02
1.2913E-04	1.1470E-01	1.1258E-03	1.1259E-03	2.9189E 03	0.	2.2277E 02
1.4591E-04	1.1827E-01	1.2336E-03	1.2337E-03	2.8314E 03	0.	2.0328E 02
1.6268E-04	1.2155E-01	1.3384E-03	1.3385E-03	2.7559E 03	0.	1.8739E 02
1.7946E-04	1.2458E-01	1.4406E-03	1.4406E-03	2.6895E 03	0.	1.7414E 02
1.9624E-04	1.2739E-01	1.5404E-03	1.5404E-03	2.6306E 03	0.	1.6290E 02
2.1302E-04	1.3005E-01	1.6380E-03	1.6381E-03	2.5776E 03	0.	1.5321E 02
2.2979E-04	1.3254E-01	1.7337E-03	1.7338E-03	2.5296E 03	0.	1.4478E 02
2.6335E-04	1.3716E-01	1.9199E-03	1.9200E-03	2.4453E 03	0.	1.3074E 02
2.9690E-04	1.4137E-01	2.1001E-03	2.1002E-03	2.3735E 03	0.	1.1951E 02
3.3046E-04	1.4523E-01	2.2754E-03	2.2755E-03	2.3113E 03	0.	1.1032E 02
3.6401E-04	1.4880E-01	2.4463E-03	2.4464E-03	2.2566E 03	0.	1.0263E 02
3.9757E-04	1.5213E-01	2.6132E-03	2.6134E-03	2.2079E 03	0.	9.6099E 01

[illegible]

3.1255E-01	8.6364E-01	3.6164E-01	3.6217E-01	4.7712E-02	0.	7.9102E-01
3.4691E-01	8.8987E-01	3.8955E-01	3.9015E-01	4.6825E-02	0.	7.3945E-01
3.8127E-01	9.1458E-01	4.1656E-01	4.1721E-01	4.6047E-02	0.	6.9579E-01
4.1563E-01	9.3782E-01	4.4283E-01	4.4355E-01	4.5363E-02	0.	6.5853E-01
4.4999E-01	9.5991E-01	4.6840E-01	4.6918E-01	4.4751E-02	0.	6.2617E-01
5.1871E-01	1.0010E 00	5.1776E-01	5.1867E-01	4.3707E-02	0.	5.7279E-01
5.8743E-01	1.0388E 00	5.6500E-01	5.6602E-01	4.2839E-02	0.	5.3027E-01
6.5615E-01	1.0740E 00	6.1034E-01	6.1149E-01	4.2102E-02	0.	4.9537E-01
7.2487E-01	1.1070E 00	6.5415E-01	6.5542E-01	4.1470E-02	0.	4.6630E-01
7.9359E-01	1.1382E 00	6.9653E-01	6.9791E-01	4.0919E-02	0.	4.4155E-01
8.6231E-01	1.1678E 00	7.3767E-01	7.3918E-01	4.0434E-02	0.	4.2024E-01
9.3103E-01	1.1960E 00	7.7763E-01	7.7925E-01	4.0002E-02	0.	4.0160E-01
9.9975E-01	1.2230E 00	8.1657E-01	8.1830E-01	3.9615E-02	0.	3.8517E-01
1.0685E 00	1.2490E 00	8.5454E-01	8.5638E-01	3.9266E-02	0.	3.7055E-01
1.2059E 00	1.2981E 00	9.2792E-01	9.2998E-01	3.8661E-02	0.	3.4563E-01
1.3433E 00	1.3442E 00	9.9822E-01	1.0005E 00	3.8153E-02	0.	3.2508E-01
1.4808E 00	1.3877E 00	1.0658E 00	1.0683E 00	3.7721E-02	0.	3.0780E-01
1.6182E 00	1.4289E 00	1.1311E 00	1.1338E 00	3.7348E-02	0.	2.9303E-01
1.7557E 00	1.4683E 00	1.1943E 00	1.1972E 00	3.7023E-02	0.	2.8024E-01
2.0305E 00	1.5417E 00	1.3154E 00	1.3187E 00	3.6488E-02	0.	2.5923E-01
2.3054E 00	1.6105E 00	1.4297E 00	1.4334E 00	3.6059E-02	0.	2.4237E-01
2.5803E 00	1.6751E 00	1.5384E 00	1.5424E 00	3.5710E-02	0.	2.2852E-01
3.1301E 00	1.7953E 00	1.7411E 00	1.7458E 00	3.5177E-02	0.	2.0689E-01
3.6798E 00	1.9056E 00	1.9284E 00	1.9337E 00	3.4794E-02	0.	1.9069E-01
4.2296E 00	2.0065E 00	2.1050E 00	2.1109E 00	3.4513E-02	0.	1.7818E-01
4.7793E 00	2.1015E 00	2.2711E 00	2.2775E 00	3.4297E-02	0.	1.6799E-01
5.3291E 00	2.1913E 00	2.4284E 00	2.4354E 00	3.4128E-02	0.	1.5950E-01
5.8788E 00	2.2772E 00	2.5779E 00	2.5854E 00	3.3993E-02	0.	1.5227E-01
6.4286E 00	2.3591E 00	2.7211E 00	2.7290E 00	3.3885E-02	0.	1.4604E-01
6.9783E 00	2.4379E 00	2.8583E 00	2.8666E 00	3.3797E-02	0.	1.4057E-01
7.5281E 00	2.5138E 00	2.9903E 00	2.9991E 00	3.3724E-02	0.	1.3573E-01
8.0779E 00	2.5872E 00	3.1176E 00	3.1268E 00	3.3663E-02	0.	1.3139E-01
9.1774E 00	2.7274E 00	3.3599E 00	3.3698E 00	3.3570E-02	0.	1.2393E-01
1.0277E 01	2.8602E 00	3.5877E 00	3.5983E 00	3.3503E-02	0.	1.1768E-01
1.1376E 01	2.9866E 00	3.8035E 00	3.8148E 00	3.3454E-02	0.	1.1235E-01
1.2476E 01	3.1075E 00	4.0087E 00	4.0207E 00	3.3417E-02	0.	1.0773E-01
1.3575E 01	3.2237E 00	4.2049E 00	4.2174E 00	3.3389E-02	0.	1.0366E-01
1.5774E 01	3.4432E 00	4.5745E 00	4.5882E 00	3.3352E-02	0.	9.6800E-02
1.7973E 01	3.6494E 00	4.9177E 00	4.9325E 00	3.3329E-02	0.	9.1179E-02
2.0172E 01	3.8447E 00	5.2390E 00	5.2547E 00	3.3314E-02	0.	8.6447E-02
2.2372E 01	4.0302E 00	5.5427E 00	5.5593E 00	3.3304E-02	0.	8.2399E-02
2.4571E 01	4.2074E 00	5.8311E 00	5.8486E 00	3.3298E-02	0.	7.8877E-02
2.6770E 01	4.3773E 00	6.1063E 00	6.1247E 00	3.3294E-02	0.	7.5776E-02
2.8969E 01	4.5410E 00	6.3698E 00	6.3889E 00	3.3291E-02	0.	7.3015E-02
3.1168E 01	4.6988E 00	6.6232E 00	6.6431E 00	3.3289E-02	0.	7.0537E-02
3.5566E 01	4.9995E 00	7.1032E 00	7.1246E 00	3.3286E-02	0.	6.6255E-02
3.9964E 01	5.2830E 00	7.5532E 00	7.5759E 00	3.3285E-02	0.	6.2667E-02
4.4362E 01	5.5516E 00	7.9788E 00	8.0027E 00	3.3284E-02	0.	5.9608E-02
4.8760E 01	5.8078E 00	8.3829E 00	8.4081E 00	3.3284E-02	0.	5.6955E-02
5.3158E 01	6.0530E 00	8.7689E 00	8.7952E 00	3.3284E-02	0.	5.4627E-02
5.7556E 01	6.2888E 00	9.1385E 00	9.1659E 00	3.3284E-02	0.	5.2560E-02
6.1954E 01	6.5157E 00	9.4941E 00	9.5227E 00	3.3283E-02	0.	5.0711E-02

A = 10.0000E-04

B = 3.0000E-03

EPS = 0.

GAM = 2.0000E-01

X	Y	NUC	NUW	ETAMO	NURATIO	DY/CX
0.	4.0000E-03	0.	0.	4.1667E-02	0.	5.1673E-06
10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	4.1613E-02	0.	5.2596E-06
2.0000E-12	4.0105E-03	4.9869E-10	4.9870E-10	4.1558E-02	0.	5.0709E-06
3.0000E-12	4.0154E-03	7.4711E-10	7.4712E-10	4.1507E-02	0.	5.1458E-06
4.0000E-12	4.0206E-03	9.9486E-10	9.9487E-10	4.1453E-02	0.	5.2510E-06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	4.1342E-02	0.	5.1792E-06

8.0000E-12	4.0417E-03	1.9794E-09	1.9794E-09	4.1237E 02	0.	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	4.1135E 02	0.	4.9650E 06
1.4000E-11	4.0711E-03	3.4388E-09	3.4389E-09	4.0939E 02	0.	4.9652E 06
2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	4.0543E 02	0.	4.7985E 06
3.0000E-11	4.1486E-03	7.2314E-09	7.2314E-09	4.0175E 02	0.	4.7803E 06
3.8000E-11	4.1867E-03	9.0762E-09	9.0763E-09	3.9808E 02	0.	4.5730E 06
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	3.9477E 02	0.	4.4351E 06
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	3.9151E 02	0.	4.3282E 06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	3.8838E 02	0.	4.2018E 06
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	3.8542E 02	0.	4.2010E 06
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	3.7952E 02	0.	3.9502E 06
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-08	3.7444E 02	0.	3.7471E 06
1.1800E-10	4.5098E-03	2.6165E-08	2.6166E-08	3.6957E 02	0.	3.6882E 06
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-08	3.6471E 02	0.	3.4591E 06
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	3.6058E 02	0.	3.3607E 06
1.6600E-10	4.6752E-03	3.5506E-08	3.5507E-08	3.5649E 02	0.	3.3017E 06
1.8200E-10	4.7278E-03	3.8495E-08	3.8496E-08	3.5252E 02	0.	3.1505E 06
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-08	3.4894E 02	0.	3.1024E 06
2.1400E-10	4.8257E-03	4.4346E-08	4.4347E-08	3.4538E 02	0.	2.9943E 06
2.3000E-10	4.8723E-03	4.7205E-08	4.7206E-08	3.4207E 02	0.	2.8467E 06
2.4600E-10	4.9165E-03	5.0035E-08	5.0036E-08	3.3899E 02	0.	2.8070E 06
2.6200E-10	4.9611E-03	5.2810E-08	5.2811E-08	3.3595E 02	0.	2.7192E 06
2.7800E-10	5.0036E-03	5.560E-08	5.560E-08	3.3310E 02	0.	2.6613E 06
2.9400E-10	5.0459E-03	5.8264E-08	5.8265E-08	3.3030E 02	0.	2.6123E 06
3.1000E-10	5.0874E-03	6.0935E-08	6.0936E-08	3.2761E 02	0.	2.5539E 06
3.2600E-10	5.1277E-03	6.3576E-08	6.3577E-08	3.2503E 02	0.	2.4836E 06
3.5800E-10	5.2044E-03	6.8788E-08	6.8789E-08	3.2025E 02	0.	2.3561E 06
4.2200E-10	5.3471E-03	7.8521E-08	7.8522E-08	3.1170E 02	0.	2.1933E 06
4.8600E-10	5.4869E-03	8.8574E-08	8.8576E-08	3.0376E 02	0.	2.0209E 06
5.5000E-10	5.6104E-03	9.8031E-08	9.8033E-08	2.9707E 02	0.	1.8908E 06
6.1400E-10	5.7284E-03	1.0718E-07	1.0719E-07	2.9095E 02	0.	1.7728E 06
6.7800E-10	5.8384E-03	1.1613E-07	1.1613E-07	2.8547E 02	0.	1.6687E 06
7.4200E-10	5.9423E-03	1.2487E-07	1.2487E-07	2.8048E 02	0.	1.5844E 06
8.0600E-10	6.0418E-03	1.3340E-07	1.3341E-07	2.7586E 02	0.	1.5075E 06
8.7000E-10	6.1360E-03	1.4179E-07	1.4179E-07	2.7162E 02	0.	1.4462E 06
9.3400E-10	6.2272E-03	1.4999E-07	1.4999E-07	2.6764E 02	0.	1.3810E 06
9.9800E-10	6.3134E-03	1.5808E-07	1.5808E-07	2.6399E 02	0.	1.3287E 06
1.0620E-09	6.3971E-03	1.6601E-07	1.6602E-07	2.6054E 02	0.	1.2733E 06
1.1260E-09	6.4767E-03	1.7385E-07	1.7386E-07	2.5733E 02	0.	1.2316E 06
1.1900E-09	6.5546E-03	1.8155E-07	1.8155E-07	2.5428E 02	0.	1.1786E 06
1.2540E-09	6.6280E-03	1.8919E-07	1.8920E-07	2.5146E 02	0.	1.1442E 06
1.3180E-09	6.7006E-03	1.9669E-07	1.9670E-07	2.4873E 02	0.	1.1113E 06
1.3820E-09	6.7708E-03	2.0411E-07	2.0412E-07	2.4616E 02	0.	1.0742E 06
1.4460E-09	6.8382E-03	2.1146E-07	2.1146E-07	2.4373E 02	0.	1.0483E 06
1.5100E-09	6.9048E-03	2.1869E-07	2.1869E-07	2.4138E 02	0.	1.0099E 06
1.5740E-09	6.9678E-03	2.2589E-07	2.2590E-07	2.3920E 02	0.	9.8464E 05
1.6380E-09	7.0304E-03	2.3298E-07	2.3299E-07	2.3707E 02	0.	9.6101E 05
1.7020E-09	7.0912E-03	2.4001E-07	2.4002E-07	2.3503E 02	0.	9.3526E 05
1.7660E-09	7.1502E-03	2.4698E-07	2.4699E-07	2.3310E 02	0.	9.1337E 05
1.8300E-09	7.2080E-03	2.5388E-07	2.5389E-07	2.3123E 02	0.	8.9088E 05
1.9580E-09	7.3191E-03	2.6752E-07	2.6752E-07	2.2772E 02	0.	8.5155E 05
2.0860E-09	7.4258E-03	2.8091E-07	2.8092E-07	2.2444E 02	0.	8.1437E 05
2.2140E-09	7.5278E-03	2.9410E-07	2.9411E-07	2.2140E 02	0.	7.8234E 05
2.3420E-09	7.6263E-03	3.0709E-07	3.0710E-07	2.1854E 02	0.	7.5263E 05
2.4700E-09	7.7209E-03	3.1991E-07	3.1992E-07	2.1587E 02	0.	7.2417E 05
2.5980E-09	7.8118E-03	3.3257E-07	3.3258E-07	2.1335E 02	0.	6.9737E 05
2.8540E-09	7.9841E-03	3.5746E-07	3.5747E-07	2.0875E 02	0.	6.5427E 05
3.1100E-09	8.1484E-03	3.8166E-07	3.8168E-07	2.0454E 02	0.	6.1529E 05
3.3660E-09	8.3013E-03	4.0547E-07	4.0549E-07	2.0077E 02	0.	5.8264E 05
3.6220E-09	8.4472E-03	4.2877E-07	4.2879E-07	1.9731E 02	0.	5.5290E 05
3.8780E-09	8.5852E-03	4.5170E-07	4.5172E-07	1.9413E 02	0.	5.2655E 05
4.1340E-09	8.7171E-03	4.7423E-07	4.7425E-07	1.9120E 02	0.	5.0239E 05

4.3900E-09	8.8427E-03	4.9644E-07	4.9647E-07	1.8848E-02	0.	4.8136E-05
4.6460E-09	8.9637E-03	5.1830E-07	5.1833E-07	1.8594E-02	0.	4.6336E-05
5.1580E-09	9.1934E-03	5.6104E-07	5.6107E-07	1.8129E-02	0.	4.2861E-05
5.6700E-09	9.4020E-03	6.0305E-07	6.0308E-07	1.7727E-02	0.	4.0149E-05
6.1820E-09	9.6029E-03	6.4375E-07	6.4378E-07	1.7356E-02	0.	3.7678E-05
6.6940E-09	9.7900E-03	6.8374E-07	6.8378E-07	1.7024E-02	0.	3.5493E-05
7.2060E-09	9.9668E-03	7.2298E-07	7.2302E-07	1.6722E-02	0.	3.3692E-05
7.7180E-09	1.0136E-02	7.6144E-07	7.6148E-07	1.6443E-02	0.	3.2031E-05
8.2300E-09	1.0296E-02	7.9933E-07	7.9938E-07	1.6188E-02	0.	3.0509E-05
9.2540E-09	1.0594E-02	8.7345E-07	8.7351E-07	1.5732E-02	0.	2.8039E-05
1.0278E-08	1.0873E-02	9.4524E-07	9.4531E-07	1.5329E-02	0.	2.5933E-05
1.1302E-08	1.1128E-02	1.0156E-06	1.0157E-06	1.4977E-02	0.	2.4188E-05
1.3350E-08	1.1596E-02	1.1512E-06	1.1513E-06	1.4373E-02	0.	2.1369E-05
1.5398E-08	1.2008E-02	1.2823E-06	1.2824E-06	1.3880E-02	0.	1.9258E-05
1.7446E-08	1.2385E-02	1.4086E-06	1.4087E-06	1.3458E-02	0.	1.7546E-05
1.9494E-08	1.2728E-02	1.5316E-06	1.5317E-06	1.3095E-02	0.	1.6166E-05
2.1542E-08	1.3050E-02	1.6506E-06	1.6508E-06	1.2771E-02	0.	1.4994E-05
2.3590E-08	1.3346E-02	1.7675E-06	1.7677E-06	1.2489E-02	0.	1.4019E-05
2.5638E-08	1.3624E-02	1.8817E-06	1.8819E-06	1.2233E-02	0.	1.3177E-05
2.7686E-08	1.3886E-02	1.9937E-06	1.9939E-06	1.2003E-02	0.	1.2443E-05
2.9734E-08	1.4134E-02	2.1036E-06	2.1039E-06	1.1792E-02	0.	1.1803E-05
3.1782E-08	1.4370E-02	2.2116E-06	2.2118E-06	1.1598E-02	0.	1.1230E-05
3.3830E-08	1.4594E-02	2.3179E-06	2.3182E-06	1.1420E-02	0.	1.0720E-05
3.5878E-08	1.4809E-02	2.4225E-06	2.4229E-06	1.1254E-02	0.	1.0260E-05
3.7926E-08	1.5015E-02	2.5257E-06	2.5261E-06	1.1100E-02	0.	9.8458E-06
4.2022E-08	1.5403E-02	2.7279E-06	2.7283E-06	1.0820E-02	0.	9.1189E-06
4.6118E-08	1.5763E-02	2.9255E-06	2.9259E-06	1.0573E-02	0.	8.5083E-06
5.0214E-08	1.6101E-02	3.1185E-06	3.1190E-06	1.0351E-02	0.	7.9833E-06
5.8406E-08	1.6717E-02	3.4536E-06	3.4941E-06	9.9701E-03	0.	7.1336E-06
6.6598E-08	1.7274E-02	3.8550E-06	3.8557E-06	9.6483E-03	0.	6.4645E-06
7.4790E-08	1.7782E-02	4.2056E-06	4.2064E-06	9.3730E-03	0.	5.9275E-06
8.2982E-08	1.8249E-02	4.5467E-06	4.5476E-06	9.1328E-03	0.	5.4830E-06
9.1174E-08	1.8681E-02	4.8802E-06	4.8812E-06	8.9220E-03	0.	5.1122E-06
9.9366E-08	1.9087E-02	5.2054E-06	5.2065E-06	8.7321E-03	0.	4.7922E-06
1.0756E-07	1.9467E-02	5.5244E-06	5.5257E-06	8.5615E-03	0.	4.5171E-06
1.1575E-07	1.9828E-02	5.8372E-06	5.8385E-06	8.4059E-03	0.	4.2753E-06
1.2394E-07	2.0168E-02	6.1446E-06	6.1461E-06	8.2639E-03	0.	4.0624E-06
1.3213E-07	2.0493E-02	6.4468E-06	6.4485E-06	8.1328E-03	0.	3.8722E-06
1.4033E-07	2.0803E-02	6.7445E-06	6.7462E-06	8.0117E-03	0.	3.7016E-06
1.4852E-07	2.1100E-02	7.0378E-06	7.0396E-06	7.8989E-03	0.	3.5475E-06
1.6490E-07	2.1659E-02	7.6126E-06	7.6148E-06	7.6953E-03	0.	3.2802E-06
1.8129E-07	2.2177E-02	8.1733E-06	8.1757E-06	7.5154E-03	0.	3.0556E-06
1.9767E-07	2.2662E-02	8.7213E-06	8.7240E-06	7.3547E-03	0.	2.8636E-06
2.1405E-07	2.3117E-02	9.2581E-06	9.2611E-06	7.2098E-03	0.	2.6977E-06
2.4682E-07	2.3954E-02	1.0302E-05	1.0306E-05	6.9578E-03	0.	2.4246E-06
2.7959E-07	2.4709E-02	1.1313E-05	1.1317E-05	6.7453E-03	0.	2.2093E-06
3.1236E-07	2.5402E-02	1.2294E-05	1.2299E-05	6.5612E-03	0.	2.0332E-06
3.4513E-07	2.6044E-02	1.3249E-05	1.3254E-05	6.3996E-03	0.	1.8867E-06
4.1066E-07	2.7207E-02	1.5091E-05	1.5097E-05	6.1260E-03	0.	1.6549E-06
4.7620E-07	2.8240E-02	1.6858E-05	1.6867E-05	5.9019E-03	0.	1.4799E-06
5.4173E-07	2.9160E-02	1.8573E-05	1.8583E-05	5.7158E-03	0.	1.3443E-06
6.0727E-07	3.0007E-02	2.0232E-05	2.0243E-05	5.5545E-03	0.	1.2337E-06
6.7281E-07	3.0783E-02	2.1850E-05	2.1863E-05	5.4144E-03	0.	1.1427E-06
7.3834E-07	3.1509E-02	2.3426E-05	2.3440E-05	5.2896E-03	0.	1.0655E-06
8.6941E-07	3.2815E-02	2.6485E-05	2.6503E-05	5.0791E-03	0.	9.4329E-07
1.0005E-06	3.3986E-02	2.9428E-05	2.9448E-05	4.9041E-03	0.	8.4915E-07
1.1316E-06	3.5052E-02	3.2270E-05	3.2294E-05	4.7551E-03	0.	7.7406E-07
1.2626E-06	3.6025E-02	3.5035E-05	3.5062E-05	4.6266E-03	0.	7.1303E-07
1.3937E-06	3.6925E-02	3.7729E-05	3.7760E-05	4.5139E-03	0.	6.6219E-07
1.5248E-06	3.7763E-02	4.0360E-05	4.0395E-05	4.4137E-03	0.	6.1908E-07
1.6558E-06	3.8551E-02	4.2933E-05	4.2971E-05	4.3234E-03	0.	5.8187E-07
1.7869E-06	3.9292E-02	4.5457E-05	4.5499E-05	4.2419E-03	0.	5.4959E-07

1.9180E-06	3.9994E-02	4.7934E-05	4.7980E-05	4.1675E 01	0.	5.2117E 03
2.1801E-06	4.1294E-02	5.2769E-05	5.2823E-05	4.0364E 01	0.	4.7351E 03
2.4423E-06	4.2481E-02	5.7459E-05	5.7522E-05	3.9235E 01	0.	4.3492E 03
2.7044E-06	4.3581E-02	6.2020E-05	6.2091E-05	3.8246E 01	0.	4.0285E 03
2.9666E-06	4.4600E-02	6.6476E-05	6.6555E-05	3.7372E 01	0.	3.7587E 03
3.2287E-06	4.5554E-02	7.0832E-05	7.0920E-05	3.6589E 01	0.	3.5274E 03
3.4909E-06	4.6450E-02	7.5104E-05	7.5201E-05	3.5883E 01	0.	3.3273E 03
3.7530E-06	4.7300E-02	7.9291E-05	7.9398E-05	3.5239E 01	0.	3.1513E 03
4.2773E-06	4.8870E-02	8.7462E-05	8.7587E-05	3.4107E 01	0.	2.8574E 03
4.8016E-06	5.0303E-02	9.5381E-05	9.5526E-05	3.3135E 01	0.	2.6202E 03
5.3259E-06	5.1625E-02	1.0308E-04	1.0325E-04	3.2287E 01	0.	2.4241E 03
5.8501E-06	5.2851E-02	1.1060E-04	1.1078E-04	3.1538E 01	0.	2.2594E 03
6.3744E-06	5.3999E-02	1.1794E-04	1.1815E-04	3.0868E 01	0.	2.1185E 03
7.4230E-06	5.6088E-02	1.3222E-04	1.3247E-04	2.9718E 01	0.	1.8906E 03
8.4716E-06	5.7965E-02	1.4600E-04	1.4630E-04	2.8756E 01	0.	1.7129E 03
9.5202E-06	5.9688E-02	1.5933E-04	1.5967E-04	2.7926E 01	0.	1.5690E 03
1.0569E-05	6.1270E-02	1.7230E-04	1.7269E-04	2.7206E 01	0.	1.4507E 03
1.1617E-05	6.2739E-02	1.8495E-04	1.8539E-04	2.6568E 01	0.	1.3512E 03
1.2666E-05	6.4106E-02	1.9733E-04	1.9782E-04	2.6002E 01	0.	1.2667E 03
1.3714E-05	6.5396E-02	2.0944E-04	2.0998E-04	2.5489E 01	0.	1.1933E 03
1.5812E-05	6.7761E-02	2.3302E-04	2.3366E-04	2.4600E 01	0.	1.0728E 03
1.7909E-05	6.9912E-02	2.5579E-04	2.5653E-04	2.3843E 01	0.	9.7686E 02
2.0006E-05	7.1879E-02	2.7790E-04	2.7876E-04	2.3191E 01	0.	8.9894E 02
2.2103E-05	7.3695E-02	2.9944E-04	3.0041E-04	2.2620E 01	0.	8.3418E 02
2.4200E-05	7.5382E-02	3.2049E-04	3.2158E-04	2.2114E 01	0.	7.7951E 02
2.8395E-05	7.8465E-02	3.6121E-04	3.6254E-04	2.1245E 01	0.	6.9130E 02
3.2589E-05	8.1215E-02	4.0048E-04	4.0206E-04	2.0526E 01	0.	6.2353E 02
3.6783E-05	8.3705E-02	4.3852E-04	4.4035E-04	1.9916E 01	0.	5.6960E 02
4.0977E-05	8.5993E-02	4.7547E-04	4.7757E-04	1.9386E 01	0.	5.2542E 02
4.5172E-05	8.8125E-02	5.1140E-04	5.1378E-04	1.8918E 01	0.	4.8827E 02
4.9366E-05	9.0104E-02	5.4655E-04	5.4921E-04	1.8502E 01	0.	4.5686E 02
5.3560E-05	9.1966E-02	5.8092E-04	5.8386E-04	1.8128E 01	0.	4.2972E 02
5.7755E-05	9.3716E-02	6.1466E-04	6.1789E-04	1.7790E 01	0.	4.0614E 02
6.1949E-05	9.5375E-02	6.4777E-04	6.5129E-04	1.7480E 01	0.	3.8535E 02
7.0338E-05	9.8452E-02	7.1237E-04	7.1650E-04	1.6934E 01	0.	3.5042E 02
7.8726E-05	1.0127E-01	7.7505E-04	7.7980E-04	1.6464E 01	0.	3.2208E 02
8.7115E-05	1.0387E-01	8.3599E-04	8.4138E-04	1.6051E 01	0.	2.9850E 02
9.5503E-05	1.0629E-01	8.9552E-04	9.0156E-04	1.5687E 01	0.	2.7866E 02
1.0389E-04	1.0855E-01	9.5370E-04	9.6042E-04	1.5360E 01	0.	2.6161E 02
1.1228E-04	1.1068E-01	1.0108E-03	1.0182E-03	1.5065E 01	0.	2.4686E 02
1.2067E-04	1.1270E-01	1.0667E-03	1.0748E-03	1.4795E 01	0.	2.3388E 02
1.3745E-04	1.1643E-01	1.1758E-03	1.1853E-03	1.4322E 01	0.	2.1219E 02
1.5422E-04	1.1983E-01	1.2815E-03	1.2925E-03	1.3915E 01	0.	1.9466E 02
1.7100E-04	1.2298E-01	1.3843E-03	1.3968E-03	1.3560E 01	0.	1.8016E 02
1.8778E-04	1.2589E-01	1.4845E-03	1.4986E-03	1.3246E 01	0.	1.6797E 02
2.0456E-04	1.2862E-01	1.5825E-03	1.5981E-03	1.2965E 01	0.	1.5754E 02
2.3811E-04	1.3359E-01	1.7729E-03	1.7918E-03	1.2483E 01	0.	1.4067E 02
2.7166E-04	1.3807E-01	1.9565E-03	1.9788E-03	1.2080E 01	0.	1.2750E 02
3.0522E-04	1.4217E-01	2.1340E-03	2.1597E-03	1.1731E 01	0.	1.1682E 02
3.3877E-04	1.4593E-01	2.3069E-03	2.3361E-03	1.1430E 01	0.	1.0806E 02
3.7233E-04	1.4943E-01	2.4752E-03	2.5081E-03	1.1162E 01	0.	1.0068E 02
4.0588E-04	1.5269E-01	2.6399E-03	2.6765E-03	1.0924E 01	0.	9.4405E 01
4.3944E-04	1.5577E-01	2.8008E-03	2.8413E-03	1.0709E 01	0.	8.8945E 01
4.7299E-04	1.5867E-01	2.9588E-03	3.0031E-03	1.0513E 01	0.	8.4185E 01
5.0655E-04	1.6142E-01	3.1139E-03	3.1621E-03	1.0334E 01	0.	7.9976E 01
5.4010E-04	1.6404E-01	3.2663E-03	3.3185E-03	1.0170E 01	0.	7.6231E 01
5.7365E-04	1.6654E-01	3.4163E-03	3.4726E-03	1.0017E 01	0.	7.2870E 01
6.4076E-04	1.7123E-01	3.7098E-03	3.7744E-03	9.7435E 00	0.	6.7086E 01
7.0787E-04	1.7557E-01	3.9953E-03	4.0684E-03	9.5034E 00	0.	6.2270E 01
8.4209E-04	1.8341E-01	4.5461E-03	4.6367E-03	9.0983E 00	0.	5.4681E 01
9.7631E-04	1.9036E-01	5.0742E-03	5.1831E-03	8.7667E 00	0.	4.8948E 01
1.1105E-03	1.9659E-01	5.5850E-03	5.7127E-03	8.4896E 00	0.	4.4480E 01

1.2447E-03	2.0233E-01	6.0785E-03	6.2255E-03	8.2496E 00	0.	4.0836E 01
1.3790E-03	2.0760E-01	6.5590E-03	6.7259E-03	8.0410E 00	0.	3.7836E 01
1.5132E-03	2.1252E-01	7.0266E-03	7.2138E-03	7.8555E 00	0.	3.5295E 01
1.7816E-03	2.2139E-01	7.9328E-03	8.1620E-03	7.5419E 00	0.	3.1264E 01
2.0500E-03	2.2934E-01	8.8026E-03	9.0751E-03	7.2815E 00	0.	2.8161E 01
2.3185E-03	2.3658E-01	9.6414E-03	9.9586E-03	7.0596E 00	0.	2.5686E 01
2.5869E-03	2.4319E-01	1.0456E-02	1.0819E-02	6.8686E 00	0.	2.3675E 01
2.8554E-03	2.4932E-01	1.1248E-02	1.1658E-02	6.7007E 00	0.	2.1997E 01
3.3922E-03	2.6032E-01	1.2778E-02	1.3285E-02	6.4192E 00	0.	1.9364E 01
3.9291E-03	2.7007E-01	1.4245E-02	1.4852E-02	6.1886E 00	0.	1.7373E 01
4.4660E-03	2.7893E-01	1.5656E-02	1.6366E-02	5.9935E 00	0.	1.5799E 01
5.0028E-03	2.8707E-01	1.7019E-02	1.7836E-02	5.8247E 00	0.	1.4517E 01
5.5397E-03	2.9456E-01	1.8344E-02	1.9269E-02	5.6777E 00	0.	1.3459E 01
6.0766E-03	3.0154E-01	1.9634E-02	2.0670E-02	5.5473E 00	0.	1.2564E 01
6.6135E-03	3.0806E-01	2.0893E-02	2.2042E-02	5.4309E 00	0.	1.1800E 01
7.1503E-03	3.1422E-01	2.2123E-02	2.3387E-02	5.3254E 00	0.	1.1135E 01
8.2241E-03	3.2555E-01	2.4512E-02	2.6012E-02	5.1419E 00	0.	1.0040E 01
9.2978E-03	3.3587E-01	2.6812E-02	2.8554E-02	4.9856E 00	0.	9.1656E 00
1.0372E-02	3.4532E-01	2.9040E-02	3.1029E-02	4.8507E 00	0.	8.4533E 00
1.1445E-02	3.5407E-01	3.1204E-02	3.3446E-02	4.7323E 00	0.	7.8596E 00
1.2519E-02	3.6221E-01	3.3313E-02	3.5812E-02	4.6273E 00	0.	7.3568E 00
1.4667E-02	3.7712E-01	3.7377E-02	4.0404E-02	4.4469E 00	0.	6.5444E 00
1.6814E-02	3.9047E-01	4.1275E-02	4.4846E-02	4.2972E 00	0.	5.9181E 00
1.8961E-02	4.0259E-01	4.5035E-02	4.9163E-02	4.1701E 00	0.	5.4186E 00
2.1109E-02	4.1376E-01	4.8670E-02	5.3366E-02	4.0596E 00	0.	5.0081E 00
2.3256E-02	4.2416E-01	5.2192E-02	5.7467E-02	3.9620E 00	0.	4.6634E 00
2.5404E-02	4.3385E-01	5.5623E-02	6.1487E-02	3.8754E 00	0.	4.3711E 00
2.7551E-02	4.4296E-01	5.8968E-02	6.5429E-02	3.7974E 00	0.	4.1187E 00
2.9699E-02	4.5155E-01	6.2237E-02	6.9304E-02	3.7269E 00	0.	3.8989E 00
3.1846E-02	4.5972E-01	6.5433E-02	7.3113E-02	3.6623E 00	0.	3.7048E 00
3.6141E-02	4.7489E-01	7.1641E-02	8.0567E-02	3.5484E 00	0.	3.3782E 00
4.0436E-02	4.8883E-01	7.7622E-02	8.7820E-02	3.4502E 00	0.	3.1126E 00
4.4731E-02	5.0171E-01	8.3412E-02	9.4902E-02	3.3644E 00	0.	2.8922E 00
4.9026E-02	5.1372E-01	8.9032E-02	1.0183E-01	3.2884E 00	0.	2.7060E 00
5.7616E-02	5.3555E-01	9.9846E-02	1.1532E-01	3.1593E 00	0.	2.4082E 00
6.6206E-02	5.5510E-01	1.1017E-01	1.2837E-01	3.0525E 00	0.	2.1792E 00
7.4796E-02	5.7306E-01	1.2003E-01	1.4101E-01	2.9612E 00	0.	1.9951E 00
8.3386E-02	5.8954E-01	1.2954E-01	1.5334E-01	2.8825E 00	0.	1.8450E 00
9.1976E-02	6.0486E-01	1.3873E-01	1.6539E-01	2.8133E 00	0.	1.7195E 00
1.0057E-01	6.1910E-01	1.4767E-01	1.7721E-01	2.7523E 00	0.	1.6136E 00
1.0916E-01	6.3258E-01	1.5633E-01	1.8878E-01	2.6972E 00	0.	1.5217E 00
1.1775E-01	6.4529E-01	1.6478E-01	2.0016E-01	2.6475E 00	0.	1.4418E 00
1.2634E-01	6.5737E-01	1.7202E-01	2.1135E-01	2.6022E 00	0.	1.3714E 00
1.3493E-01	6.6887E-01	1.8107E-01	2.2238E-01	2.5606E 00	0.	1.3089E 00
1.4352E-01	6.7987E-01	1.8894E-01	2.3325E-01	2.5223E 00	0.	1.2529E 00
1.6070E-01	7.0053E-01	2.0423E-01	2.5455E-01	2.4538E 00	0.	1.1567E 00
1.7788E-01	7.1970E-01	2.1895E-01	2.7535E-01	2.3941E 00	0.	1.0769E 00
2.1224E-01	7.5450E-01	2.4696E-01	3.1562E-01	2.2941E 00	0.	9.5138E-01
2.4659E-01	7.8559E-01	2.7339E-01	3.5441E-01	2.2131E 00	0.	8.5679E-01
2.8095E-01	8.1359E-01	2.9860E-01	3.9205E-01	2.1460E 00	0.	7.8314E-01
3.1531E-01	8.3952E-01	3.2263E-01	4.2855E-01	2.0883E 00	0.	7.2315E-01
3.4967E-01	8.6347E-01	3.4577E-01	4.6416E-01	2.0386E 00	0.	6.7373E-01
3.8403E-01	8.8595E-01	3.6803E-01	4.9891E-01	1.9948E 00	0.	6.3189E-01
4.5275E-01	9.2684E-01	4.1058E-01	5.6640E-01	1.9213E 00	0.	5.6540E-01
5.2147E-01	9.6398E-01	4.5063E-01	6.3129E-01	1.8610E 00	0.	5.1400E-01
5.9019E-01	9.9792E-01	4.8875E-01	6.9410E-01	1.8106E 00	0.	4.7316E-01
6.5891E-01	1.0293E 00	5.2523E-01	7.5511E-01	1.7676E 00	0.	4.3981E-01
7.2763E-01	1.0584E 00	5.6036E-01	8.1458E-01	1.7305E 00	0.	4.1207E-01
7.9635E-01	1.0859E 00	5.9416E-01	8.7253E-01	1.6977E 00	0.	3.8838E-01
8.6507E-01	1.1118E 00	6.2690E-01	9.2920E-01	1.6688E 00	0.	3.6800E-01
9.3379E-01	1.1365E 00	6.5859E-01	9.8462E-01	1.6428E 00	0.	3.5017E-01
1.0712E 00	1.1825E 00	7.1949E-01	1.0923E 00	1.5982E 00	0.	3.2053E-01

1.2087E 00	1.2248E 00	7.7739E-01	1.1962E 00	1.5611E 00	0.	2.9671E-01
1.3461E 00	1.2643E 00	8.3274E-01	1.2967E 00	1.5295E 00	0.	2.7704E-01
1.4835E 00	1.3012E 00	8.8600E-01	1.3943E 00	1.5024E 00	0.	2.6053E-01
1.6210E 00	1.3360E 00	9.3737E-01	1.4893E 00	1.4788E 00	0.	2.4640E-01
1.8959E 00	1.4002E 00	1.0356E 00	1.6724E 00	1.4397E 00	0.	2.2349E-01
2.1707E 00	1.4588E 00	1.1285E 00	1.8475E 00	1.4085E 00	0.	2.0551E-01
2.4456E 00	1.5134E 00	1.2167E 00	2.0153E 00	1.3827E 00	0.	1.9085E-01
2.7205E 00	1.5640E 00	1.3015E 00	2.1773E 00	1.3613E 00	0.	1.7871E-01
2.9954E 00	1.6117E 00	1.3831E 00	2.3339E 00	1.3432E 00	0.	1.6840E-01
3.2703E 00	1.6566E 00	1.4621E 00	2.4860E 00	1.3277E 00	0.	1.5954E-01
3.5451E 00	1.6995E 00	1.5385E 00	2.6335E 00	1.3142E 00	0.	1.5176E-01
4.0949E 00	1.7791E 00	1.6656E 00	2.9178E 00	1.2921E 00	0.	1.3880E-01
4.6446E 00	1.8523E 00	1.8257E 00	3.1891E 00	1.2748E 00	0.	1.2830E-01
5.1944E 00	1.9205E 00	1.9601E 00	3.4493E 00	1.2608E 00	0.	1.1955E-01
5.7442E 00	1.9841E 00	2.0898E 00	3.7003E 00	1.2495E 00	0.	1.1212E-01
6.2939E 00	2.0440E 00	2.2154E 00	3.9431E 00	1.2400E 00	0.	1.0569E-01
6.8437E 00	2.1004E 00	2.3276E 00	4.1788E 00	1.2321E 00	0.	1.0006E-01
7.3934E 00	2.1541E 00	2.4565E 00	4.4079E 00	1.2254E 00	0.	9.5048E-02
7.9432E 00	2.2051E 00	2.5728E 00	4.6315E 00	1.2197E 00	0.	9.0567E-02
8.4929E 00	2.2538E 00	2.6666E 00	4.8500E 00	1.2147E 00	0.	8.6515E-02
9.5924E 00	2.3449E 00	2.9079E 00	5.2738E 00	1.2067E 00	0.	7.9461E-02
1.0692E 01	2.4288E 00	3.1219E 00	5.6823E 00	1.2005E 00	0.	7.3486E-02
1.1791E 01	2.5068E 00	3.3297E 00	6.0779E 00	1.1956E 00	0.	6.8329E-02
1.2891E 01	2.5794E 00	3.5325E 00	6.4629E 00	1.1917E 00	0.	6.3826E-02
1.3990E 01	2.6473E 00	3.7308E 00	6.8387E 00	1.1885E 00	0.	5.9842E-02
1.5090E 01	2.7111E 00	3.9255E 00	7.2066E 00	1.1859E 00	0.	5.6288E-02
1.6190E 01	2.7712E 00	4.1167E 00	7.5674E 00	1.1837E 00	0.	5.3087E-02
1.8389E 01	2.8816E 00	4.4908E 00	8.2718E 00	1.1803E 00	0.	4.7550E-02
2.0588E 01	2.9810E 00	4.8556E 00	8.9569E 00	1.1778E 00	0.	4.2904E-02
2.2787E 01	3.0709E 00	5.2132E 00	9.6271E 00	1.1760E 00	0.	3.8948E-02
2.4986E 01	3.1527E 00	5.5649E 00	1.0285E 01	1.1746E 00	0.	3.5532E-02
2.9384E 01	3.2944E 00	6.2582E 00	1.1580E 01	1.1726E 00	0.	2.9990E-02
3.3782E 01	3.4158E 00	6.9356E 00	1.2844E 01	1.1713E 00	0.	2.5579E-02
3.8180E 01	3.5200E 00	7.6040E 00	1.4089E 01	1.1705E 00	0.	2.2020E-02
4.2578E 01	3.6110E 00	8.2642E 00	1.5318E 01	1.1698E 00	0.	1.9065E-02
4.6976E 01	3.6891E 00	8.9232E 00	1.6544E 01	1.1694E 00	0.	1.6636E-02
5.1374E 01	3.7582E 00	9.5779E 00	1.7762E 01	1.1690E 00	0.	1.4564E-02
5.5772E 01	3.8179E 00	1.0234E 01	1.8982E 01	1.1688E 00	0.	1.2829E-02
6.0170E 01	3.8711E 00	1.0888E 01	2.0198E 01	1.1685E 00	0.	1.1326E-02

A = 10.0000E-04

B = 3.0000E-03

EPS = 0.

GAM = 3.0000E-01

X	Y	NUC	NUW	ETAMD	NURATIO	DY/CX
0.	4.0000E-03	0.	0.	2.7778E 02	0.	5.1673E 06
10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	2.7742E 02	0.	5.2596E 06
2.0000E-12	4.0105E-03	4.9869E-10	4.9870E-10	2.7705E 02	0.	5.0709E 06
3.0000E-12	4.0154E-03	7.4711E-10	7.4712E-10	2.7671E 02	0.	5.1458E 06
4.0000E-12	4.0206E-03	9.9486E-10	9.9488E-10	2.7635E 02	0.	5.2510E 06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	2.7561E 02	0.	5.1792E 06
8.0000E-12	4.0417E-03	1.9793E-09	1.9794E-09	2.7491E 02	0.	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	2.7423E 02	0.	4.9650E 06
1.4000E-11	4.0711E-03	3.4388E-09	3.4389E-09	2.7293E 02	0.	4.9652E 06
2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	2.7029E 02	0.	4.7985E 06
3.0000E-11	4.1486E-03	7.2314E-09	7.2315E-09	2.6783E 02	0.	4.7803E 06
3.8000E-11	4.1867E-03	9.0762E-09	9.0764E-09	2.6539E 02	0.	4.5730E 06
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	2.6318E 02	0.	4.4351E 06
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	2.6101E 02	0.	4.3282E 06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	2.5892E 02	0.	4.2018E 06
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	2.5694E 02	0.	4.2010E 06
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	2.5301E 02	0.	3.9502E 06
1.0200E-10	4.4511E-03	2.2915E-08	2.2916E-08	2.4963E 02	0.	3.7471E 06
1.1800E-10	4.5098E-03	2.6165E-08	2.6166E-08	2.4638E 02	0.	3.6882E 06

1.3400E-10	4.5698E-03	2.9322E-08	2.9323E-08	2.4314E 02	0.	3.4591E 06
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	2.4039E 02	0.	3.3607E 06
1.6600E-10	4.6752E-03	3.5506E-08	3.5507E-08	2.3766E 02	0.	3.3016E 06
1.8200E-10	4.7278E-03	3.8495E-08	3.8496E-08	2.3502E 02	0.	3.1504E 06
1.9800E-10	4.7764E-03	4.1453E-08	4.1454E-08	2.3263E 02	0.	3.1010E 06
2.1400E-10	4.8256E-03	4.4346E-08	4.4347E-08	2.3025E 02	0.	2.9930E 06
2.3000E-10	4.8723E-03	4.7206E-08	4.7207E-08	2.2805E 02	0.	2.8455E 06
2.4600E-10	4.9164E-03	5.0036E-08	5.0037E-08	2.2600E 02	0.	2.8059E 06
2.6200E-10	4.9610E-03	5.2811E-08	5.2812E-08	2.2397E 02	0.	2.7171E 06
2.7800E-10	5.0035E-03	5.5561E-08	5.5562E-08	2.2207E 02	0.	2.6593E 06
2.9400E-10	5.0458E-03	5.8266E-08	5.8267E-08	2.2021E 02	0.	2.6094E 06
3.1000E-10	5.0872E-03	6.0937E-08	6.0938E-08	2.1841E 02	0.	2.5494E 06
3.2600E-10	5.1274E-03	6.3579E-08	6.3581E-08	2.1670E 02	0.	2.4777E 06
3.5800E-10	5.2039E-03	6.8794E-08	6.8796E-08	2.1352E 02	0.	2.3479E 06
3.9000E-10	5.2770E-03	7.3905E-08	7.3907E-08	2.1056E 02	0.	2.2823E 06
4.2200E-10	5.3506E-03	7.8869E-08	7.8871E-08	2.0766E 02	0.	2.1596E 06
4.5400E-10	5.4169E-03	8.3810E-08	8.3812E-08	2.0512E 02	0.	2.0811E 06
4.8600E-10	5.4829E-03	8.8639E-08	8.8641E-08	2.0265E 02	0.	2.0106E 06
5.1800E-10	5.5462E-03	9.3396E-08	9.3399E-08	2.0034E 02	0.	1.9549E 06
5.5000E-10	5.6081E-03	9.8071E-08	9.8073E-08	1.9813E 02	0.	1.8968E 06
5.8200E-10	5.6679E-03	1.0268E-07	1.0269E-07	1.9604E 02	0.	1.8278E 06
6.1400E-10	5.7250E-03	1.0725E-07	1.0725E-07	1.9408E 02	0.	1.7693E 06
6.4600E-10	5.7808E-03	1.1175E-07	1.1175E-07	1.9221E 02	0.	1.7310E 06
6.7800E-10	5.8360E-03	1.1617E-07	1.1618E-07	1.9039E 02	0.	1.6718E 06
7.1000E-10	5.8883E-03	1.2058E-07	1.2058E-07	1.8870E 02	0.	1.6385E 06
7.4200E-10	5.9405E-03	1.2490E-07	1.2491E-07	1.8704E 02	0.	1.5902E 06
7.7400E-10	5.9904E-03	1.2920E-07	1.2921E-07	1.8548E 02	0.	1.5501E 06
8.0600E-10	6.0395E-03	1.3345E-07	1.3346E-07	1.8397E 02	0.	1.5109E 06
8.7000E-10	6.1337E-03	1.4184E-07	1.4184E-07	1.8115E 02	0.	1.4488E 06
9.3400E-10	6.2253E-03	1.5003E-07	1.5004E-07	1.7848E 02	0.	1.3855E 06
9.9800E-10	6.3119E-03	1.5811E-07	1.5812E-07	1.7603E 02	0.	1.3223E 06
1.1260E-09	6.4731E-03	1.7395E-07	1.7395E-07	1.7165E 02	0.	1.2277E 06
1.2540E-09	6.6274E-03	1.8921E-07	1.8922E-07	1.6765E 02	0.	1.1425E 06
1.3820E-09	6.7686E-03	2.0417E-07	2.0418E-07	1.6416E 02	0.	1.0757E 06
1.5100E-09	6.9035E-03	2.1873E-07	2.1874E-07	1.6095E 02	0.	1.0126E 06
1.6380E-09	7.0292E-03	2.3302E-07	2.3303E-07	1.5807E 02	0.	9.5852E 05
1.7660E-09	7.1492E-03	2.4702E-07	2.4703E-07	1.5542E 02	0.	9.1624E 05
1.8940E-09	7.2644E-03	2.6072E-07	2.6073E-07	1.5295E 02	0.	8.6763E 05
2.0220E-09	7.3720E-03	2.7427E-07	2.7429E-07	1.5072E 02	0.	8.3363E 05
2.1500E-09	7.4774E-03	2.8753E-07	2.8754E-07	1.4860E 02	0.	8.0047E 05
2.2780E-09	7.5777E-03	3.0061E-07	3.0063E-07	1.4663E 02	0.	7.6465E 05
2.4060E-09	7.6732E-03	3.1355E-07	3.1357E-07	1.4480E 02	0.	7.3602E 05
2.5340E-09	7.7659E-03	3.2629E-07	3.2631E-07	1.4307E 02	0.	7.1000E 05
2.6620E-09	7.8553E-03	3.3887E-07	3.3889E-07	1.4145E 02	0.	6.8826E 05
2.7900E-09	7.9423E-03	3.5127E-07	3.5129E-07	1.3990E 02	0.	6.6367E 05
2.9180E-09	8.0255E-03	3.6358E-07	3.6360E-07	1.3845E 02	0.	6.4462E 05
3.0460E-09	8.1071E-03	3.7571E-07	3.7573E-07	1.3705E 02	0.	6.2569E 05
3.3020E-09	8.2625E-03	3.9963E-07	3.9965E-07	1.3448E 02	0.	5.8985E 05
3.5580E-09	8.4093E-03	4.2309E-07	4.2312E-07	1.3213E 02	0.	5.5972E 05
3.8140E-09	8.5498E-03	4.4608E-07	4.4611E-07	1.2996E 02	0.	5.3263E 05
4.0700E-09	8.6828E-03	4.6873E-07	4.6876E-07	1.2797E 02	0.	5.0821E 05
4.3260E-09	8.8100E-03	4.9101E-07	4.9105E-07	1.2612E 02	0.	4.8737E 05
4.5820E-09	8.9326E-03	5.1294E-07	5.1297E-07	1.2439E 02	0.	4.6747E 05
4.8380E-09	9.0498E-03	5.3458E-07	5.3462E-07	1.2278E 02	0.	4.5034E 05
5.0940E-09	9.1634E-03	5.5589E-07	5.5593E-07	1.2125E 02	0.	4.3323E 05
5.6060E-09	9.3764E-03	5.9786E-07	5.9790E-07	1.1850E 02	0.	4.0473E 05
6.1180E-09	9.5787E-03	6.3868E-07	6.3874E-07	1.1600E 02	0.	3.7931E 05
6.6300E-09	9.7665E-03	6.7882E-07	6.7888E-07	1.1377E 02	0.	3.5780E 05
7.1420E-09	9.9452E-03	7.1810E-07	7.1817E-07	1.1172E 02	0.	3.3898E 05
7.6540E-09	1.0114E-02	7.5672E-07	7.5679E-07	1.0965E 02	0.	3.2213E 05
8.1660E-09	1.0275E-02	7.9469E-07	7.9476E-07	1.0813E 02	0.	3.0723E 05
8.6780E-09	1.0429E-02	8.3204E-07	8.3212E-07	1.0654E 02	0.	2.9383E 05

9.1900E-09	1.0577E-02	8.6886E-07	8.6895E-07	1.0505E-02	0.	2.8161E-05
1.0214E-08	1.0854E-02	9.4103E-07	9.4113E-07	1.0237E-02	0.	2.6065E-05
1.1238E-08	1.1112E-02	1.0113E-06	1.0114E-06	9.9989E-01	0.	2.4298E-05
1.2262E-08	1.1353E-02	1.0800E-06	1.0801E-06	9.7869E-01	0.	2.2773E-05
1.3286E-08	1.1579E-02	1.1473E-06	1.1475E-06	9.5956E-01	0.	2.1468E-05
1.4310E-08	1.1794E-02	1.2133E-06	1.2134E-06	9.4212E-01	0.	2.0330E-05
1.5334E-08	1.1996E-02	1.2781E-06	1.2783E-06	9.2619E-01	0.	1.9301E-05
1.7382E-08	1.2371E-02	1.4049E-06	1.4051E-06	8.9812E-01	0.	1.7602E-05
1.9430E-08	1.2717E-02	1.5278E-06	1.5280E-06	8.7371E-01	0.	1.6204E-05
2.1478E-08	1.3026E-02	1.6475E-06	1.6477E-06	8.5233E-01	0.	1.5045E-05
2.3526E-08	1.3335E-02	1.7641E-06	1.7644E-06	8.3321E-01	0.	1.4049E-05
2.5574E-08	1.3613E-02	1.8785E-06	1.8788E-06	8.1618E-01	0.	1.3208E-05
2.7622E-08	1.3876E-02	1.9904E-06	1.9907E-06	8.0070E-01	0.	1.2472E-05
2.9670E-08	1.4125E-02	2.1004E-06	2.1008E-06	7.8664E-01	0.	1.1827E-05
3.1718E-08	1.4361E-02	2.2085E-06	2.2089E-06	7.7370E-01	0.	1.1251E-05
3.3766E-08	1.4586E-02	2.3148E-06	2.3152E-06	7.6176E-01	0.	1.0740E-05
3.5814E-08	1.4801E-02	2.4195E-06	2.4200E-06	7.5069E-01	0.	1.0276E-05
3.7862E-08	1.5007E-02	2.5227E-06	2.5233E-06	7.4039E-01	0.	9.8609E-04
4.1958E-08	1.5396E-02	2.7249E-06	2.7255E-06	7.2166E-01	0.	9.1305E-04
4.6054E-08	1.5757E-02	2.9224E-06	2.9230E-06	7.0512E-01	0.	8.5166E-04
5.0150E-08	1.6095E-02	3.1155E-06	3.1162E-06	6.9032E-01	0.	7.9930E-04
5.4246E-08	1.6413E-02	3.3047E-06	3.3055E-06	6.7695E-01	0.	7.5363E-04
5.8342E-08	1.6713E-02	3.4903E-06	3.4912E-06	6.6479E-01	0.	7.1371E-04
6.2438E-08	1.6998E-02	3.6727E-06	3.6736E-06	6.5363E-01	0.	6.7840E-04
7.0630E-08	1.7528E-02	4.0290E-06	4.0301E-06	6.3388E-01	0.	6.1878E-04
7.8822E-08	1.8014E-02	4.3750E-06	4.3763E-06	6.1679E-01	0.	5.7011E-04
8.7014E-08	1.8464E-02	4.7120E-06	4.7134E-06	6.0175E-01	0.	5.2939E-04
9.5206E-08	1.8883E-02	5.0411E-06	5.0427E-06	5.8840E-01	0.	4.9494E-04
1.0340E-07	1.9276E-02	5.3632E-06	5.3650E-06	5.7640E-01	0.	4.6528E-04
1.1159E-07	1.9646E-02	5.6791E-06	5.6811E-06	5.6555E-01	0.	4.3951E-04
1.1978E-07	1.9997E-02	5.9890E-06	5.9912E-06	5.5562E-01	0.	4.1674E-04
1.3617E-07	2.0646E-02	6.5940E-06	6.5965E-06	5.3815E-01	0.	3.7866E-04
1.5255E-07	2.1241E-02	7.1803E-06	7.1832E-06	5.2306E-01	0.	3.4769E-04
1.6893E-07	2.1789E-02	7.7514E-06	7.7547E-06	5.0991E-01	0.	3.2213E-04
2.0170E-07	2.2782E-02	8.8514E-06	8.8556E-06	4.8768E-01	0.	2.8184E-04
2.3447E-07	2.3651E-02	9.9111E-06	9.9161E-06	4.6976E-01	0.	2.5188E-04
2.6724E-07	2.4434E-02	1.0934E-05	1.0940E-05	4.5470E-01	0.	2.2843E-04
3.0001E-07	2.5151E-02	1.1925E-05	1.1932E-05	4.4174E-01	0.	2.0946E-04
3.3277E-07	2.5812E-02	1.2888E-05	1.2896E-05	4.3043E-01	0.	1.9379E-04
3.6554E-07	2.6423E-02	1.3830E-05	1.3838E-05	4.2047E-01	0.	1.8064E-04
3.9831E-07	2.6997E-02	1.4749E-05	1.4759E-05	4.1154E-01	0.	1.6937E-04
4.3108E-07	2.7535E-02	1.5650E-05	1.5661E-05	4.0349E-01	0.	1.5963E-04
4.6385E-07	2.8044E-02	1.6534E-05	1.6545E-05	3.9616E-01	0.	1.5109E-04
4.9661E-07	2.8527E-02	1.7402E-05	1.7415E-05	3.8946E-01	0.	1.4356E-04
5.2938E-07	2.8986E-02	1.8256E-05	1.8270E-05	3.8329E-01	0.	1.3684E-04
5.9492E-07	2.9844E-02	1.9926E-05	1.9942E-05	3.7227E-01	0.	1.2538E-04
6.6045E-07	3.0634E-02	2.1551E-05	2.1569E-05	3.6267E-01	0.	1.1593E-04
7.2599E-07	3.1367E-02	2.3134E-05	2.3155E-05	3.5418E-01	0.	1.0799E-04
7.9153E-07	3.2052E-02	2.4683E-05	2.4706E-05	3.4661E-01	0.	1.0121E-04
8.5706E-07	3.2696E-02	2.6201E-05	2.6226E-05	3.3979E-01	0.	9.5353E-03
9.8813E-07	3.3872E-02	2.9158E-05	2.9188E-05	3.2799E-01	0.	8.5764E-03
1.1192E-06	3.4941E-02	3.2013E-05	3.2048E-05	3.1795E-01	0.	7.8128E-03
1.2503E-06	3.5924E-02	3.4784E-05	3.4824E-05	3.0925E-01	0.	7.1895E-03
1.3813E-06	3.6832E-02	3.7481E-05	3.7527E-05	3.0162E-01	0.	6.6705E-03
1.5124E-06	3.7675E-02	4.0119E-05	4.0170E-05	2.9487E-01	0.	6.2330E-03
1.6435E-06	3.8467E-02	4.2697E-05	4.2754E-05	2.8880E-01	0.	5.8561E-03
1.7746E-06	3.9211E-02	4.5225E-05	4.5288E-05	2.8331E-01	0.	5.5287E-03
1.9056E-06	3.9917E-02	4.7705E-05	4.7774E-05	2.7830E-01	0.	5.2406E-03
2.1678E-06	4.1224E-02	5.2545E-05	5.2625E-05	2.6948E-01	0.	4.7579E-03
2.4299E-06	4.2420E-02	5.7237E-05	5.7329E-05	2.6188E-01	0.	4.3670E-03
2.6921E-06	4.3522E-02	6.1803E-05	6.1909E-05	2.5524E-01	0.	4.0437E-03
2.9542E-06	4.4545E-02	6.6260E-05	6.6379E-05	2.4938E-01	0.	3.7714E-03

3.4785E-06	4.6396E-02	7.4902E-05	7.5047E-05	2.3942E-01	0.	3.3379E-03
4.0028E-06	4.8045E-02	8.3227E-05	8.3400E-05	2.3120E-01	0.	3.0060E-03
4.5271E-06	4.9555E-02	9.1255E-05	9.1456E-05	2.2416E-01	0.	2.7397E-03
5.0514E-06	5.0933E-02	9.9062E-05	9.9293E-05	2.1809E-01	0.	2.5233E-03
5.5757E-06	5.2210E-02	1.0666E-04	1.0692E-04	2.1275E-01	0.	2.3427E-03
6.0999E-06	5.3390E-02	1.1411E-04	1.1440E-04	2.0804E-01	0.	2.1908E-03
6.6242E-06	5.4506E-02	1.2137E-04	1.2169E-04	2.0378E-01	0.	2.0590E-03
7.1485E-06	5.5554E-02	1.2850E-04	1.2886E-04	1.9994E-01	0.	1.9448E-03
7.6728E-06	5.6547E-02	1.3549E-04	1.3588E-04	1.9642E-01	0.	1.8441E-03
8.1971E-06	5.7489E-02	1.4237E-04	1.4280E-04	1.9320E-01	0.	1.7550E-03
8.7214E-06	5.8388E-02	1.4914E-04	1.4960E-04	1.9022E-01	0.	1.6752E-03
9.7700E-06	6.0070E-02	1.6238E-04	1.6291E-04	1.8489E-01	0.	1.5385E-03
1.0819E-05	6.1622E-02	1.7526E-04	1.7586E-04	1.8023E-01	0.	1.4251E-03
1.1867E-05	6.3066E-02	1.8783E-04	1.8851E-04	1.7610E-01	0.	1.3295E-03
1.2916E-05	6.4416E-02	2.0013E-04	2.0088E-04	1.7241E-01	0.	1.2477E-03
1.5013E-05	6.6884E-02	2.2401E-04	2.2491E-04	1.6604E-01	0.	1.1147E-03
1.7110E-05	6.9099E-02	2.4708E-04	2.4815E-04	1.6071E-01	0.	1.0110E-03
1.9207E-05	7.1134E-02	2.6940E-04	2.7063E-04	1.5611E-01	0.	9.2675E-02
2.1304E-05	7.3002E-02	2.9113E-04	2.9253E-04	1.5211E-01	0.	8.5745E-02
2.5499E-05	7.6387E-02	3.3293E-04	3.3468E-04	1.4536E-01	0.	7.4852E-02
2.9693E-05	7.9339E-02	3.7320E-04	3.7531E-04	1.3994E-01	0.	6.6810E-02
3.3887E-05	8.1997E-02	4.1203E-04	4.1452E-04	1.3540E-01	0.	6.0527E-02
3.8082E-05	8.4426E-02	4.4963E-04	4.5251E-04	1.3150E-01	0.	5.5458E-02
4.2276E-05	8.6666E-02	4.8616E-04	4.8944E-04	1.2809E-01	0.	5.1271E-02
4.6470E-05	8.8742E-02	5.2181E-04	5.2550E-04	1.2509E-01	0.	4.7760E-02
5.0664E-05	9.0681E-02	5.5665E-04	5.6077E-04	1.2241E-01	0.	4.4765E-02
5.9053E-05	9.4212E-02	6.2432E-04	6.2930E-04	1.1782E-01	0.	3.9924E-02
6.7442E-05	9.7382E-02	6.8961E-04	6.9548E-04	1.1397E-01	0.	3.6155E-02
7.5830E-05	1.0029E-01	7.5271E-04	7.5951E-04	1.1066E-01	0.	3.3105E-02
8.4219E-05	1.0296E-01	8.1410E-04	8.2185E-04	1.0778E-01	0.	3.0599E-02
9.2607E-05	1.0544E-01	8.7394E-04	8.8266E-04	1.0524E-01	0.	2.8494E-02
1.0100E-04	1.0774E-01	9.3251E-04	9.4222E-04	1.0299E-01	0.	2.6707E-02
1.0938E-04	1.0992E-01	9.8975E-04	1.0005E-03	1.0094E-01	0.	2.5154E-02
1.2616E-04	1.1391E-01	1.1012E-03	1.1140E-03	9.7399E-02	0.	2.2609E-02
1.4294E-04	1.1752E-01	1.2088E-03	1.2237E-03	9.4393E-02	0.	2.0589E-02
1.5972E-04	1.2084E-01	1.3131E-03	1.3303E-03	9.1793E-02	0.	1.8942E-02
1.7649E-04	1.2390E-01	1.4147E-03	1.4342E-03	8.9520E-02	0.	1.7577E-02
1.9327E-04	1.2675E-01	1.5139E-03	1.5357E-03	8.7499E-02	0.	1.6420E-02
2.1005E-04	1.2942E-01	1.6109E-03	1.6351E-03	8.5689E-02	0.	1.5428E-02
2.2683E-04	1.3194E-01	1.7059E-03	1.7325E-03	8.4047E-02	0.	1.4563E-02
2.4360E-04	1.3432E-01	1.7991E-03	1.8282E-03	8.2554E-02	0.	1.3805E-02
2.6038E-04	1.3658E-01	1.8907E-03	1.9223E-03	8.1182E-02	0.	1.3133E-02
2.9393E-04	1.4078E-01	2.0695E-03	2.1063E-03	7.8747E-02	0.	1.1994E-02
3.2749E-04	1.4464E-01	2.2431E-03	2.2852E-03	7.6636E-02	0.	1.1062E-02
3.6104E-04	1.4822E-01	2.4121E-03	2.4596E-03	7.4775E-02	0.	1.0281E-02
3.9460E-04	1.5156E-01	2.5771E-03	2.6301E-03	7.3122E-02	0.	9.6197E-03
4.2815E-04	1.5469E-01	2.7385E-03	2.7972E-03	7.1634E-02	0.	9.0492E-03
4.6171E-04	1.5764E-01	2.8967E-03	2.9612E-03	7.0287E-02	0.	8.5527E-03
4.9526E-04	1.6043E-01	3.0519E-03	3.1222E-03	6.9055E-02	0.	8.1148E-03
5.6237E-04	1.6562E-01	3.3544E-03	3.4367E-03	6.6881E-02	0.	7.3789E-03
6.2948E-04	1.7037E-01	3.6475E-03	3.7422E-03	6.5005E-02	0.	6.7811E-03
6.9659E-04	1.7475E-01	3.9325E-03	4.0359E-03	6.3364E-02	0.	6.2859E-03
7.6370E-04	1.7882E-01	4.2105E-03	4.3309E-03	6.1911E-02	0.	5.8679E-03
8.9791E-04	1.8620E-01	4.7487E-03	4.8957E-03	5.9439E-02	0.	5.2004E-03
1.0321E-03	1.9278E-01	5.2664E-03	5.4412E-03	5.7355E-02	0.	4.6884E-03
1.1663E-03	1.9881E-01	5.7648E-03	5.9682E-03	5.5640E-02	0.	4.2768E-03
1.3006E-03	2.0432E-01	6.2489E-03	6.4815E-03	5.4127E-02	0.	3.9420E-03
1.4348E-03	2.0943E-01	6.7194E-03	6.9821E-03	5.2794E-02	0.	3.6622E-03
1.5690E-03	2.1416E-01	7.1797E-03	7.4731E-03	5.1619E-02	0.	3.4266E-03
1.7032E-03	2.1863E-01	7.6281E-03	7.9528E-03	5.0553E-02	0.	3.2221E-03
1.8374E-03	2.2283E-01	8.0678E-03	8.4244E-03	4.9591E-02	0.	3.0447E-03
1.9717E-03	2.2681E-01	8.4986E-03	8.8877E-03	4.8712E-02	0.	2.8883E-03

2.1059E-03	2.3059E-01	8.9217E-03	9.3437E-03	4.7905E 00	0.	2.7497E 01
2.2401E-03	2.3419E-01	9.3375E-03	9.7929E-03	4.7159E 00	0.	2.6255E 01
2.5085E-03	2.4094E-01	1.0150E-02	1.0673E-02	4.5822E 00	0.	2.4127E 01
2.7770E-03	2.4718E-01	1.0938E-02	1.1531E-02	4.4653E 00	0.	2.2362E 01
3.0454E-03	2.5298E-01	1.1706E-02	1.2371E-02	4.3616E 00	0.	2.0872E 01
3.3138E-03	2.5840E-01	1.2455E-02	1.3193E-02	4.2688E 00	0.	1.9597E 01
3.8507E-03	2.6833E-01	1.3907E-02	1.4754E-02	4.1087E 00	0.	1.7521E 01
4.3876E-03	2.7725E-01	1.5305E-02	1.6346E-02	3.9746E 00	0.	1.5902E 01
4.9244E-03	2.8544E-01	1.6652E-02	1.7852E-02	3.8587E 00	0.	1.4586E 01
5.4613E-03	2.9257E-01	1.7960E-02	1.9322E-02	3.7580E 00	0.	1.3503E 01
6.5351E-03	3.0663E-01	2.0464E-02	2.2160E-02	3.5878E 00	0.	1.1800E 01
7.6088E-03	3.1868E-01	2.2854E-02	2.4897E-02	3.4496E 00	0.	1.0529E 01
8.6825E-03	3.2939E-01	2.5160E-02	2.7558E-02	3.3353E 00	0.	9.5495E 00
9.7563E-03	3.3924E-01	2.7377E-02	3.0141E-02	3.2366E 00	0.	8.7548E 00
1.0830E-02	3.4827E-01	2.9528E-02	3.2666E-02	3.1509E 00	0.	8.1029E 00
1.1904E-02	3.5670E-01	3.1612E-02	3.5131E-02	3.0748E 00	0.	7.5518E 00
1.4051E-02	3.7186E-01	3.5636E-02	3.9936E-02	2.9466E 00	0.	6.6818E 00
1.6199E-02	3.8545E-01	3.9472E-02	4.4578E-02	2.8402E 00	0.	6.0137E 00
1.8346E-02	3.9782E-01	4.3151E-02	4.9084E-02	2.7498E 00	0.	5.4823E 00
2.0494E-02	4.0911E-01	4.6705E-02	5.3482E-02	2.6719E 00	0.	5.0512E 00
2.2641E-02	4.1955E-01	5.0146E-02	5.7784E-02	2.6036E 00	0.	4.6926E 00
2.4789E-02	4.2929E-01	5.3487E-02	6.2000E-02	2.5430E 00	0.	4.3887E 00
2.6936E-02	4.3845E-01	5.6735E-02	6.6136E-02	2.4884E 00	0.	4.1270E 00
2.9084E-02	4.4706E-01	5.9904E-02	7.0207E-02	2.4391E 00	0.	3.8999E 00
3.1279E-02	4.5629E-01	6.3025E-02	7.4163E-02	2.3927E 00	0.	3.5228E 00
3.3674E-02	4.6742E-01	6.6105E-02	7.8916E-02	2.2794E 00	0.	3.2229E 00
3.6196E-02	4.8071E-01	7.0567E-02	8.4387E-02	2.2158E 00	0.	2.9770E 00
3.8864E-02	5.0304E-01	7.4339E-02	9.0090E-02	2.1598E 00	0.	2.7712E 00
4.1658E-02	5.1458E-01	7.8339E-02	9.6817E-02	2.1098E 00	0.	2.5959E 00
4.4553E-02	5.2539E-01	8.3498E-02	1.0311E-01	2.0650E 00	0.	2.4454E 00
4.7543E-02	5.4532E-01	8.9341E-02	1.1227E-01	1.9871E 00	0.	2.1978E 00
5.0633E-02	5.6328E-01	9.6891E-02	1.2287E-01	1.9217E 00	0.	2.0034E 00
5.3823E-02	5.7978E-01	1.0517E-01	1.3414E-01	1.8653E 00	0.	1.8453E 00
5.7123E-02	5.9504E-01	1.1307E-01	1.4691E-01	1.8159E 00	0.	1.7141E 00
6.0533E-02	6.0933E-01	1.2116E-01	1.6186E-01	1.7720E 00	0.	1.6028E 00
6.4039E-02	6.2264E-01	1.2936E-01	1.7439E-01	1.7329E 00	0.	1.5079E 00
6.7648E-02	6.3525E-01	1.3753E-01	1.8670E-01	1.6974E 00	0.	1.4252E 00
7.1357E-02	6.4716E-01	1.4580E-01	2.0084E-01	1.6653E 00	0.	1.3528E 00
7.5166E-02	6.5850E-01	1.5390E-01	2.1601E-01	1.6358E 00	0.	1.2885E 00
7.9034E-02	6.7964E-01	1.6207E-01	2.3231E-01	1.5835E 00	0.	1.1798E 00
8.2962E-02	6.9909E-01	1.7022E-01	2.4978E-01	1.5383E 00	0.	1.0909E 00
8.7037E-02	7.1719E-01	1.7847E-01	2.6836E-01	1.4986E 00	0.	1.0165E 00
9.1268E-02	7.3408E-01	1.8672E-01	2.8804E-01	1.4634E 00	0.	9.5334E-01
9.5666E-02	7.4999E-01	1.9507E-01	3.0884E-01	1.4318E 00	0.	8.9891E-01
1.0024E-01	7.6500E-01	2.0351E-01	3.3020E-01	1.4033E 00	0.	8.5154E-01
1.0502E-01	7.7927E-01	2.1190E-01	3.5314E-01	1.3773E 00	0.	8.0976E-01
1.1000E-01	8.0583E-01	2.2085E-01	3.7719E-01	1.3315E 00	0.	7.3953E-01
1.1514E-01	8.3025E-01	2.3017E-01	4.0243E-01	1.2922E 00	0.	6.8246E-01
1.2050E-01	8.5287E-01	2.4006E-01	4.2880E-01	1.2581E 00	0.	6.3515E-01
1.2618E-01	8.7398E-01	2.5067E-01	4.5639E-01	1.2280E 00	0.	5.9519E-01
1.3212E-01	8.9381E-01	2.6196E-01	4.8528E-01	1.2011E 00	0.	5.6091E-01
1.3835E-01	9.1257E-01	2.7385E-01	5.1551E-01	1.1770E 00	0.	5.3111E-01
1.4488E-01	9.4731E-01	2.8639E-01	5.4726E-01	1.1351E 00	0.	4.8176E-01
1.5172E-01	9.7910E-01	2.9955E-01	5.8093E-01	1.0999E 00	0.	4.4235E-01
1.5887E-01	1.0084E 00	3.1357E-01	6.1606E-01	1.0697E 00	0.	4.1014E-01
1.6634E-01	1.0357E 00	3.2720E-01	6.5368E-01	1.0434E 00	0.	3.8318E-01
1.7418E-01	1.0612E 00	3.4151E-01	6.9215E-01	1.0204E 00	0.	3.6032E-01
1.8230E-01	1.0853E 00	3.5571E-01	7.3168E-01	9.9777E-01	0.	3.4055E-01
1.9082E-01	1.1081E 00	3.7018E-01	7.7293E-01	9.8135E-01	0.	3.2333E-01
1.9964E-01	1.1298E 00	3.8488E-01	8.1566E-01	9.6467E-01	0.	3.0812E-01
2.0876E-01	1.1703E 00	4.0007E-01	8.6185E-01	9.3568E-01	0.	2.8250E-01
2.1818E-01	1.2076E 00	4.1607E-01	9.1068E-01	9.1118E-01	0.	2.6164E-01

1.4207E 00	1.2424E 00	7.7511E-01	1.5119E 00	8.9011E-01	0.	2.4421E-01
1.5581E 00	1.2749E 00	8.2001E-01	1.6243E 00	8.7182E-01	0.	2.2946E-01
1.6955E 00	1.3055E 00	8.6334E-01	1.7341E 00	8.5573E-01	0.	2.1674E-01
1.8330E 00	1.3345E 00	9.0533E-01	1.8417E 00	8.4146E-01	0.	2.0566E-01
1.9704E 00	1.3621E 00	9.4607E-01	1.9471E 00	8.2868E-01	0.	1.9587E-01
2.2453E 00	1.4136E 00	1.0245E 00	2.1524E 00	8.0678E-01	0.	1.7936E-01
2.5202E 00	1.4610E 00	1.0992E 00	2.3507E 00	7.8861E-01	0.	1.6587E-01
2.7950E 00	1.5050E 00	1.1711E 00	2.5432E 00	7.7330E-01	0.	1.5462E-01
3.0699E 00	1.5461E 00	1.2405E 00	2.7306E 00	7.6022E-01	0.	1.4504E-01
3.3448E 00	1.5848E 00	1.3078E 00	2.9132E 00	7.4890E-01	0.	1.3676E-01
3.6197E 00	1.6214E 00	1.3732E 00	3.0916E 00	7.3901E-01	0.	1.2949E-01
4.1694E 00	1.6891E 00	1.4994E 00	3.4375E 00	7.2257E-01	0.	1.1733E-01
4.7192E 00	1.7507E 00	1.6204E 00	3.7707E 00	7.0948E-01	0.	1.0746E-01
5.2689E 00	1.8075E 00	1.7373E 00	4.0930E 00	6.9880E-01	0.	9.9222E-02
5.8187E 00	1.8601E 00	1.8506E 00	4.4059E 00	6.8995E-01	0.	9.2210E-02
6.3685E 00	1.9090E 00	1.9611E 00	4.7108E 00	6.8253E-01	0.	8.6149E-02
6.9182E 00	1.9549E 00	2.0691E 00	5.0087E 00	6.7622E-01	0.	8.0833E-02
8.0177E 00	2.0379E 00	2.2801E 00	5.5884E 00	6.6618E-01	0.	7.1976E-02
9.1172E 00	2.1128E 00	2.4837E 00	6.1468E 00	6.5848E-01	0.	6.4710E-02
1.0217E 01	2.1805E 00	2.6820E 00	6.6891E 00	6.5245E-01	0.	5.8639E-02
1.1316E 01	2.2422E 00	2.8760E 00	7.2177E 00	6.4763E-01	0.	5.3454E-02
1.2416E 01	2.2985E 00	3.0671E 00	7.7365E 00	6.4373E-01	0.	4.8993E-02
1.3515E 01	2.3502E 00	3.2553E 00	8.2460E 00	6.4051E-01	0.	4.5083E-02
1.4615E 01	2.3978E 00	3.4415E 00	8.7486E 00	6.3783E-01	0.	4.1640E-02
1.5714E 01	2.4419E 00	3.6258E 00	9.2448E 00	6.3557E-01	0.	3.8571E-02
1.7913E 01	2.5206E 00	3.9903E 00	1.0223E 01	6.3200E-01	0.	3.3346E-02
2.0112E 01	2.5890E 00	4.3506E 00	1.1186E 01	6.2932E-01	0.	2.9054E-02
2.2311E 01	2.6490E 00	4.7075E 00	1.2138E 01	6.2726E-01	0.	2.5456E-02
2.4510E 01	2.7015E 00	5.0630E 00	1.3083E 01	6.2565E-01	0.	2.2428E-02
2.8908E 01	2.7897E 00	5.7694E 00	1.4956E 01	6.2329E-01	0.	1.7567E-02
3.3306E 01	2.8578E 00	6.4787E 00	1.6831E 01	6.2174E-01	0.	1.3994E-02
3.7705E 01	2.9133E 00	7.1866E 00	1.8698E 01	6.2062E-01	0.	1.1190E-02
4.2103E 01	2.9557E 00	7.9035E 00	2.0585E 01	6.1985E-01	0.	9.1065E-03
4.6501E 01	2.9924E 00	8.6167E 00	2.2462E 01	6.1923E-01	0.	7.3454E-03
5.0899E 01	3.0203E 00	9.3407E 00	2.4364E 01	6.1879E-01	0.	6.0345E-03
5.5297E 01	3.0449E 00	1.0062E 01	2.6258E 01	6.1842E-01	0.	4.8885E-03
5.9695E 01	3.0642E 00	1.0791E 01	2.8172E 01	6.1814E-01	0.	4.0045E-03
6.4093E 01	3.0805E 00	1.1522E 01	3.0090E 01	6.1792E-01	0.	3.2642E-03

--- A = 10.0000E-04 --- B = 3.0000E-03 --- EPS = C. --- GAM = 5.0000E-01

X	Y	NUC	NLW	ETAPC	NURATIO	DY/DX
0.	4.0000E-03	0.	0.	1.6667E 02	0.	5.1673E 06
10.0000E-13	4.0052E-03	2.4967E-10	2.4968E-10	1.6645E 02	0.	5.2595E 06
2.0000E-12	4.0105E-03	4.9869E-10	4.9870E-10	1.6623E 02	0.	5.0709E 06
3.0000E-12	4.0154E-03	7.4711E-10	7.4712E-10	1.6602E 02	0.	5.1458E 06
4.0000E-12	4.0206E-03	9.9486E-10	9.9488E-10	1.6581E 02	0.	5.2509E 06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	1.6537E 02	0.	5.1792E 06
8.0000E-12	4.0417E-03	1.9793E-09	1.9794E-09	1.6495E 02	0.	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	1.6454E 02	0.	4.9650E 06
1.4000E-11	4.0711E-03	3.4388E-09	3.4389E-09	1.6375E 02	0.	4.9652E 06
2.2000E-11	4.1108E-03	5.3516E-09	5.3518E-09	1.6217E 02	0.	4.7985E 06
3.0000E-11	4.1486E-03	7.2313E-09	7.2315E-09	1.6070E 02	0.	4.7803E 06
3.8000E-11	4.1867E-03	9.0762E-09	9.0764E-09	1.5923E 02	0.	4.5730E 06
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	1.5791E 02	0.	4.4350E 06
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	1.5660E 02	0.	4.3282E 06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	1.5535E 02	0.	4.2018E 06
7.0000E-11	4.3244E-03	1.6187E-08	1.6188E-08	1.5416E 02	0.	4.2009E 06
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	1.5181E 02	0.	3.9478E 06
1.0200E-10	4.4510E-03	2.2916E-08	2.2916E-08	1.4978E 02	0.	3.7449E 06
1.1800E-10	4.5097E-03	2.6166E-08	2.6166E-08	1.4783E 02	0.	3.6840E 06
1.3400E-10	4.5696E-03	2.9324E-08	2.9325E-08	1.4569E 02	0.	3.4500E 06

1.5000E-10	4.6218E-03	3.2454E-08	3.2455E-08	1.4424E-02	0.	3.3471E-06
1.6600E-10	4.6745E-03	3.5511E-08	3.5512E-08	1.4262E-02	0.	3.2790E-06
1.8200E-10	4.7267E-03	3.8504E-08	3.8506E-08	1.4104E-02	0.	3.1227E-06
1.9800E-10	4.7748E-03	4.1467E-08	4.1468E-08	1.3962E-02	0.	3.0606E-06
2.1400E-10	4.8233E-03	4.4367E-08	4.4369E-08	1.3822E-02	0.	2.9357E-06
2.3000E-10	4.8688E-03	4.7239E-08	4.7240E-08	1.3692E-02	0.	2.9168E-06
2.4600E-10	4.9153E-03	5.0047E-08	5.0048E-08	1.3563E-02	0.	2.7836E-06
2.6200E-10	4.9580E-03	5.2842E-08	5.2844E-08	1.3446E-02	0.	2.7231E-06
2.7800E-10	5.0011E-03	5.5586E-08	5.5588E-08	1.3330E-02	0.	2.6770E-06
2.9400E-10	5.0437E-03	5.8290E-08	5.8292E-08	1.3218E-02	0.	2.5721E-06
3.1000E-10	5.0836E-03	6.0979E-08	6.0981E-08	1.3114E-02	0.	2.5429E-06
3.2600E-10	5.1241E-03	6.3620E-08	6.3623E-08	1.3010E-02	0.	2.5295E-06
3.4200E-10	5.1644E-03	6.6221E-08	6.6224E-08	1.2909E-02	0.	2.4160E-06
3.5800E-10	5.2015E-03	6.8825E-08	6.8828E-08	1.2817E-02	0.	2.3596E-06
3.7400E-10	5.2388E-03	7.1389E-08	7.1392E-08	1.2725E-02	0.	2.3135E-06
3.9000E-10	5.2755E-03	7.3925E-08	7.3928E-08	1.2637E-02	0.	2.2636E-06
4.0600E-10	5.3113E-03	7.6439E-08	7.6442E-08	1.2552E-02	0.	2.2060E-06
4.2200E-10	5.3461E-03	7.8935E-08	7.8938E-08	1.2470E-02	0.	2.2193E-06
4.3800E-10	5.3817E-03	8.1385E-08	8.1389E-08	1.2388E-02	0.	2.1311E-06
4.5400E-10	5.4151E-03	8.3838E-08	8.3842E-08	1.2311E-02	0.	2.0960E-06
4.7000E-10	5.4483E-03	8.6263E-08	8.6267E-08	1.2236E-02	0.	2.0602E-06
5.0200E-10	5.5131E-03	9.1054E-08	9.1058E-08	1.2092E-02	0.	1.9835E-06
5.3400E-10	5.5752E-03	9.5779E-08	9.5783E-08	1.1958E-02	0.	1.9222E-06
5.6600E-10	5.6360E-03	1.0042E-07	1.0043E-07	1.1829E-02	0.	1.8553E-06
5.9800E-10	5.6942E-03	1.0502E-07	1.0502E-07	1.1708E-02	0.	1.8033E-06
6.3000E-10	5.7513E-03	1.0954E-07	1.0954E-07	1.1592E-02	0.	1.7474E-06
6.6200E-10	5.8062E-03	1.1401E-07	1.1402E-07	1.1482E-02	0.	1.7054E-06
6.9400E-10	5.8603E-03	1.1842E-07	1.1843E-07	1.1376E-02	0.	1.6619E-06
7.5800E-10	5.9638E-03	1.2710E-07	1.2710E-07	1.1178E-02	0.	1.5774E-06
8.2200E-10	6.0621E-03	1.3559E-07	1.3560E-07	1.0997E-02	0.	1.4951E-06
8.8600E-10	6.1552E-03	1.4394E-07	1.4395E-07	1.0831E-02	0.	1.4313E-06
9.5000E-10	6.2460E-03	1.5209E-07	1.5210E-07	1.0673E-02	0.	1.3800E-06
1.0140E-09	6.3329E-03	1.6011E-07	1.6012E-07	1.0527E-02	0.	1.3077E-06
1.0780E-09	6.4123E-03	1.6811E-07	1.6812E-07	1.0397E-02	0.	1.2595E-06
1.1420E-09	6.4920E-03	1.7590E-07	1.7592E-07	1.0269E-02	0.	1.2189E-06
1.2060E-09	6.5669E-03	1.8359E-07	1.8360E-07	1.0149E-02	0.	1.1741E-06
1.2700E-09	6.6425E-03	1.9119E-07	1.9120E-07	1.0036E-02	0.	1.1409E-06
1.3340E-09	6.7147E-03	1.9866E-07	1.9867E-07	9.9282E-01	0.	1.0991E-06
1.3980E-09	6.7835E-03	2.0608E-07	2.0610E-07	9.8276E-01	0.	1.0741E-06
1.4620E-09	6.8519E-03	2.1336E-07	2.1338E-07	9.7295E-01	0.	1.0373E-06
1.5260E-09	6.9168E-03	2.2061E-07	2.2063E-07	9.6382E-01	0.	1.0082E-06
1.5900E-09	6.9806E-03	2.2777E-07	2.2778E-07	9.5501E-01	0.	9.8512E-05
1.6540E-09	7.0420E-03	2.3483E-07	2.3485E-07	9.4655E-01	0.	9.5566E-05
1.7180E-09	7.1025E-03	2.4188E-07	2.4189E-07	9.3861E-01	0.	9.2779E-05
1.7820E-09	7.1611E-03	2.4884E-07	2.4886E-07	9.3094E-01	0.	9.0534E-05
1.8460E-09	7.2185E-03	2.5572E-07	2.5574E-07	9.2353E-01	0.	8.8739E-05
1.9100E-09	7.2748E-03	2.6254E-07	2.6256E-07	9.1638E-01	0.	8.6410E-05
1.9740E-09	7.3288E-03	2.6934E-07	2.6936E-07	9.0963E-01	0.	8.4704E-05
2.0380E-09	7.3827E-03	2.7604E-07	2.7606E-07	9.0300E-01	0.	8.2708E-05
2.1020E-09	7.4349E-03	2.8271E-07	2.8273E-07	8.9666E-01	0.	8.0955E-05
2.1660E-09	7.4862E-03	2.8932E-07	2.8935E-07	8.9051E-01	0.	7.9550E-05
2.2300E-09	7.5368E-03	2.9587E-07	2.9590E-07	8.8453E-01	0.	7.7809E-05
2.2940E-09	7.5859E-03	3.0239E-07	3.0242E-07	8.7880E-01	0.	7.6283E-05
2.3580E-09	7.6343E-03	3.0886E-07	3.0888E-07	8.7323E-01	0.	7.4738E-05
2.4220E-09	7.6820E-03	3.1537E-07	3.1539E-07	8.6765E-01	0.	7.3200E-05
2.4860E-09	7.7290E-03	3.2188E-07	3.2190E-07	8.6207E-01	0.	7.1662E-05
2.5500E-09	7.7753E-03	3.2839E-07	3.2841E-07	8.5649E-01	0.	7.0124E-05
2.6140E-09	7.8216E-03	3.3490E-07	3.3492E-07	8.5091E-01	0.	6.8586E-05
2.6780E-09	7.8679E-03	3.4141E-07	3.4143E-07	8.4533E-01	0.	6.7048E-05
2.7420E-09	7.9142E-03	3.4792E-07	3.4794E-07	8.3975E-01	0.	6.5510E-05
2.8060E-09	7.9605E-03	3.5443E-07	3.5445E-07	8.3417E-01	0.	6.3972E-05
2.8700E-09	8.0068E-03	3.6094E-07	3.6096E-07	8.2859E-01	0.	6.2434E-05
2.9340E-09	8.0531E-03	3.6745E-07	3.6747E-07	8.2301E-01	0.	6.0896E-05
2.9980E-09	8.0994E-03	3.7396E-07	3.7398E-07	8.1743E-01	0.	5.9358E-05
3.0620E-09	8.1457E-03	3.8047E-07	3.8049E-07	8.1185E-01	0.	5.7820E-05
3.1260E-09	8.1920E-03	3.8698E-07	3.8700E-07	8.0627E-01	0.	5.6282E-05
3.1900E-09	8.2383E-03	3.9349E-07	3.9351E-07	8.0069E-01	0.	5.4744E-05
3.2540E-09	8.2846E-03	4.0000E-07	4.0002E-07	7.9511E-01	0.	5.3206E-05
3.3180E-09	8.3309E-03	4.0651E-07	4.0653E-07	7.8953E-01	0.	5.1668E-05
3.3820E-09	8.3772E-03	4.1302E-07	4.1304E-07	7.8395E-01	0.	5.0130E-05
3.4460E-09	8.4235E-03	4.1953E-07	4.1955E-07	7.7837E-01	0.	4.8592E-05
3.5100E-09	8.4698E-03	4.2604E-07	4.2606E-07	7.7279E-01	0.	4.7054E-05
3.5740E-09	8.5161E-03	4.3255E-07	4.3257E-07	7.6721E-01	0.	4.5516E-05
3.6380E-09	8.5624E-03	4.3906E-07	4.3908E-07	7.6163E-01	0.	4.3978E-05
3.7020E-09	8.6087E-03	4.4557E-07	4.4559E-07	7.5605E-01	0.	4.2440E-05
3.7660E-09	8.6550E-03	4.5208E-07	4.5210E-07	7.5047E-01	0.	4.0902E-05
3.8300E-09	8.7013E-03	4.5859E-07	4.5861E-07	7.4489E-01	0.	3.9364E-05
3.8940E-09	8.7476E-03	4.6510E-07	4.6512E-07	7.3931E-01	0.	3.7826E-05
3.9580E-09	8.7939E-03	4.7161E-07	4.7163E-07	7.3373E-01	0.	3.6288E-05
4.0220E-09	8.8402E-03	4.7812E-07	4.7814E-07	7.2815E-01	0.	3.4750E-05
4.0860E-09	8.8865E-03	4.8463E-07	4.8465E-07	7.2257E-01	0.	3.3212E-05
4.1500E-09	8.9328E-03	4.9114E-07	4.9116E-07	7.1699E-01	0.	3.1674E-05
4.2140E-09	8.9791E-03	4.9765E-07	4.9767E-07	7.1141E-01	0.	3.0136E-05
4.2780E-09	9.0254E-03	5.0416E-07	5.0418E-07	7.0583E-01	0.	2.8598E-05
4.3420E-09	9.0717E-03	5.1067E-07	5.1069E-07	7.0025E-01	0.	2.7060E-05
4.4060E-09	9.1180E-03	5.1718E-07	5.1720E-07	6.9467E-01	0.	2.5522E-05
4.4700E-09	9.1643E-03	5.2369E-07	5.2371E-07	6.8909E-01	0.	2.3984E-05
4.5340E-09	9.2106E-03	5.3020E-07	5.3022E-07	6.8351E-01	0.	2.2446E-05
4.5980E-09	9.2569E-03	5.3671E-07	5.3673E-07	6.7793E-01	0.	2.0908E-05
4.6620E-09	9.3032E-03	5.4322E-07	5.4324E-07	6.7235E-01	0.	1.9370E-05
4.7260E-09	9.3495E-03	5.4973E-07	5.4975E-07	6.6677E-01	0.	1.7832E-05
4.7900E-09	9.3958E-03	5.5624E-07	5.5626E-07	6.6119E-01	0.	1.6294E-05
4.8540E-09	9.4421E-03	5.6275E-07	5.6277E-07	6.5561E-01	0.	1.4756E-05
4.9180E-09	9.4884E-03	5.6926E-07	5.6928E-07	6.5003E-01	0.	1.3218E-05
4.9820E-09	9.5347E-03	5.7577E-07	5.7579E-07	6.4445E-01	0.	1.1680E-05
5.0460E-09	9.5810E-03	5.8228E-07	5.8230E-07	6.3887E-01	0.	1.0142E-05
5.1100E-09	9.6273E-03	5.8879E-07	5.8881E-07	6.3329E-01	0.	8.5982E-06
5.1740E-09	9.6736E-03	5.9530E-07	5.9532E-07	6.2771E-01	0.	7.0524E-06
5.2380E-09	9.7199E-03	6.0181E-07	6.0183E-07	6.2213E-01	0.	5.5066E-06
5.3020E-09	9.7662E-03	6.0832E-07	6.0834E-07	6.1655E-01	0.	3.9608E-06
5.3660E-09	9.8125E-03	6.1483E-07	6.1485E-07	6.1097E-01	0.	2.4150E-06
5.4300E-09	9.8588E-03	6.2134E-07	6.2136E-07	6.0539E-01	0.	8.09E-07
5.4940E-09	9.9051E-03	6.2785E-07	6.2787E-07	6.0000E-01	0.	0.

3.8940E-09	8.5896E-03	4.5331E-07	4.5336E-07	7.7611E 01	0.	5.2511E 05
4.1500E-09	8.7198E-03	4.7590E-07	4.7596E-07	7.6452E 01	0.	5.0249E 05
4.4060E-09	8.8465E-03	4.9802E-07	4.9808E-07	7.5357E 01	0.	4.8099E 05
4.6620E-09	8.9670E-03	5.1988E-07	5.1994E-07	7.4344E 01	0.	4.6281E 05
4.9180E-09	9.0837E-03	5.4138E-07	5.4144E-07	7.3389E 01	0.	4.4403E 05
5.1740E-09	9.1949E-03	5.6267E-07	5.6274E-07	7.2501E 01	0.	4.2832E 05
5.4300E-09	9.3029E-03	5.8365E-07	5.8373E-07	7.1660E 01	0.	4.1360E 05
5.6860E-09	9.4070E-03	6.0440E-07	6.0448E-07	7.0867E 01	0.	4.0026E 05
5.9420E-09	9.5079E-03	6.2491E-07	6.2499E-07	7.0114E 01	0.	3.8761E 05
6.1980E-09	9.6056E-03	6.4520E-07	6.4529E-07	6.9401E 01	0.	3.7628E 05
6.4540E-09	9.7007E-03	6.6527E-07	6.6536E-07	6.8721E 01	0.	3.6510E 05
6.9660E-09	9.8820E-03	7.0487E-07	7.0497E-07	6.7460E 01	0.	3.4543E 05
7.4780E-09	1.0055E-02	7.4366E-07	7.4378E-07	6.6300E 01	0.	3.2773E 05
7.9900E-09	1.0218E-02	7.8186E-07	7.8199E-07	6.5239E 01	0.	3.1230E 05
8.5020E-09	1.0375E-02	8.1942E-07	8.1955E-07	6.4255E 01	0.	2.9845E 05
9.0140E-09	1.0524E-02	8.5642E-07	8.5656E-07	6.3342E 01	0.	2.8584E 05
9.5260E-09	1.0668E-02	8.9290E-07	8.9305E-07	6.2491E 01	0.	2.7444E 05
1.0550E-08	1.0939E-02	9.6437E-07	9.6454E-07	6.0942E 01	0.	2.5463E 05
1.1574E-08	1.1190E-02	1.0342E-06	1.0344E-06	5.9572E 01	0.	2.3783E 05
1.2598E-08	1.1425E-02	1.1026E-06	1.1028E-06	5.8349E 01	0.	2.2345E 05
1.3622E-08	1.1647E-02	1.1694E-06	1.1697E-06	5.7235E 01	0.	2.1089E 05
1.5670E-08	1.2056E-02	1.2996E-06	1.2999E-06	5.5294E 01	0.	1.9029E 05
1.7718E-08	1.2428E-02	1.4254E-06	1.4258E-06	5.3637E 01	0.	1.7364E 05
1.9766E-08	1.2769E-02	1.5478E-06	1.5482E-06	5.2206E 01	0.	1.6010E 05
2.1814E-08	1.3086E-02	1.6667E-06	1.6671E-06	5.0940E 01	0.	1.4867E 05
2.3862E-08	1.3380E-02	1.7831E-06	1.7836E-06	4.9821E 01	0.	1.3909E 05
2.5910E-08	1.3657E-02	1.8970E-06	1.8975E-06	4.8813E 01	0.	1.3084E 05
2.7958E-08	1.3917E-02	2.0087E-06	2.0092E-06	4.7900E 01	0.	1.2363E 05
3.0006E-08	1.4163E-02	2.1182E-06	2.1189E-06	4.7066E 01	0.	1.1729E 05
3.2054E-08	1.4398E-02	2.2260E-06	2.2267E-06	4.6300E 01	0.	1.1163E 05
3.6150E-08	1.4834E-02	2.4365E-06	2.4373E-06	4.4937E 01	0.	1.0206E 05
4.0246E-08	1.5236E-02	2.6410E-06	2.6419E-06	4.3751E 01	0.	9.4202E 04
4.4342E-08	1.5608E-02	2.8404E-06	2.8415E-06	4.2708E 01	0.	8.7644E 04
5.2534E-08	1.6284E-02	3.2255E-06	3.2268E-06	4.0936E 01	0.	7.7160E 04
6.0726E-08	1.6880E-02	3.5966E-06	3.5982E-06	3.9489E 01	0.	6.9267E 04
6.8918E-08	1.7420E-02	3.9553E-06	3.9571E-06	3.8265E 01	0.	6.3029E 04
7.7110E-08	1.7915E-02	4.3032E-06	4.3052E-06	3.7208E 01	0.	5.7945E 04
8.5302E-08	1.8373E-02	4.6417E-06	4.6441E-06	3.6281E 01	0.	5.3728E 04
9.3494E-08	1.8798E-02	4.9723E-06	4.9749E-06	3.5459E 01	0.	5.0159E 04
1.0169E-07	1.9196E-02	5.2957E-06	5.2987E-06	3.4724E 01	0.	4.7104E 04
1.0988E-07	1.9571E-02	5.6127E-06	5.6159E-06	3.4058E 01	0.	4.4449E 04
1.1807E-07	1.9926E-02	5.9238E-06	5.9273E-06	3.3452E 01	0.	4.2118E 04
1.2626E-07	2.0262E-02	6.2295E-06	6.2334E-06	3.2897E 01	0.	4.0055E 04
1.3445E-07	2.0583E-02	6.5304E-06	6.5345E-06	3.2384E 01	0.	3.8214E 04
1.5084E-07	2.1182E-02	7.1187E-06	7.1234E-06	3.1467E 01	0.	3.5059E 04
1.6722E-07	2.1734E-02	7.6913E-06	7.6967E-06	3.0668E 01	0.	3.2453E 04
1.8361E-07	2.2248E-02	8.2498E-06	8.2559E-06	2.9960E 01	0.	3.0258E 04
2.1637E-07	2.3176E-02	9.3324E-06	9.3399E-06	2.8759E 01	0.	2.6766E 04
2.4914E-07	2.4002E-02	1.0376E-05	1.0385E-05	2.7769E 01	0.	2.4096E 04
2.8191E-07	2.4758E-02	1.1381E-05	1.1392E-05	2.6920E 01	0.	2.1954E 04
3.1468E-07	2.5448E-02	1.2359E-05	1.2371E-05	2.6190E 01	0.	2.0217E 04
3.4745E-07	2.6088E-02	1.3311E-05	1.3325E-05	2.5547E 01	0.	1.8765E 04
3.8021E-07	2.6678E-02	1.4244E-05	1.4259E-05	2.4982E 01	0.	1.7547E 04
4.1298E-07	2.7238E-02	1.5154E-05	1.5171E-05	2.4468E 01	0.	1.6488E 04
4.4575E-07	2.7762E-02	1.6047E-05	1.6066E-05	2.4006E 01	0.	1.5572E 04
4.7852E-07	2.8259E-02	1.6923E-05	1.6944E-05	2.3584E 01	0.	1.4765E 04
5.1129E-07	2.8730E-02	1.7885E-05	1.7807E-05	2.3197E 01	0.	1.4050E 04
5.4405E-07	2.9180E-02	1.8633E-05	1.8657E-05	2.2839E 01	0.	1.3410E 04
6.0959E-07	3.0021E-02	2.0292E-05	2.0319E-05	2.2198E 01	0.	1.2314E 04
6.7513E-07	3.0798E-02	2.1906E-05	2.1937E-05	2.1638E 01	0.	1.1406E 04
7.4066E-07	3.1520E-02	2.3481E-05	2.3516E-05	2.1142E 01	0.	1.0639E 04
8.0620E-07	3.2195E-02	2.5021E-05	2.5060E-05	2.0698E 01	0.	9.9840E 03

9.3727E-07	3.3429E-02	2.8014E-05	2.8061E-05	1.9934E 01	0.	8.9187E 03
1.0683E-06	3.4536E-02	3.0906E-05	3.0961E-05	1.9294E 01	0.	8.0880E 03
1.1994E-06	3.5554E-02	3.3703E-05	3.3767E-05	1.8741E 01	0.	7.4134E 03
1.3305E-06	3.6488E-02	3.6428E-05	3.6500E-05	1.8261E 01	0.	6.8585E 03
1.5926E-06	3.8180E-02	4.1668E-05	4.1759E-05	1.7451E 01	0.	5.9863E 03
1.8548E-06	3.9655E-02	4.6717E-05	4.6828E-05	1.6801E 01	0.	5.3426E 03
2.1169E-06	4.0984E-02	5.1588E-05	5.1718E-05	1.6255E 01	0.	4.8398E 03
2.3791E-06	4.2197E-02	5.6305E-05	5.6455E-05	1.5787E 01	0.	4.4341E 03
2.6412E-06	4.3317E-02	6.0888E-05	6.1060E-05	1.5378E 01	0.	4.0990E 03
2.9033E-06	4.4354E-02	6.5362E-05	6.5555E-05	1.5018E 01	0.	3.8181E 03
3.1655E-06	4.5323E-02	6.9736E-05	6.9951E-05	1.4697E 01	0.	3.5784E 03
3.6898E-06	4.7085E-02	7.8234E-05	7.8494E-05	1.4146E 01	0.	3.1914E 03
4.2141E-06	4.8669E-02	8.6433E-05	8.6740E-05	1.3684E 01	0.	2.8898E 03
4.7384E-06	5.0121E-02	9.4360E-05	9.4716E-05	1.3287E 01	0.	2.6458E 03
5.2626E-06	5.1452E-02	1.0208E-04	1.0249E-04	1.2943E 01	0.	2.4457E 03
5.7869E-06	5.2690E-02	1.0960E-04	1.1006E-04	1.2638E 01	0.	2.2773E 03
6.3112E-06	5.3841E-02	1.1696E-04	1.1747E-04	1.2367E 01	0.	2.1343E 03
6.8355E-06	5.4929E-02	1.2416E-04	1.2472E-04	1.2122E 01	0.	2.0100E 03
7.3598E-06	5.5953E-02	1.3123E-04	1.3184E-04	1.1899E 01	0.	1.9016E 03
7.8841E-06	5.6925E-02	1.3816E-04	1.3884E-04	1.1696E 01	0.	1.8059E 03
8.4084E-06	5.7848E-02	1.4499E-04	1.4572E-04	1.1508E 01	0.	1.7208E 03
8.9327E-06	5.8730E-02	1.5170E-04	1.5249E-04	1.1335E 01	0.	1.6444E 03
9.9812E-06	6.0383E-02	1.6485E-04	1.6575E-04	1.1024E 01	0.	1.5130E 03
1.1030E-05	6.1911E-02	1.7764E-04	1.7867E-04	1.0751E 01	0.	1.4037E 03
1.2078E-05	6.3334E-02	1.9014E-04	1.9128E-04	1.0509E 01	0.	1.3112E 03
1.3127E-05	6.4665E-02	2.0236E-04	2.0363E-04	1.0292E 01	0.	1.2318E 03
1.5224E-05	6.7106E-02	2.2610E-04	2.2763E-04	9.9159E 00	0.	1.1022E 03
1.7321E-05	6.9258E-02	2.4506E-04	2.5085E-04	9.6011E 00	0.	1.0009E 03
1.9418E-05	7.1314E-02	2.7126E-04	2.7333E-04	9.3286E 00	0.	9.1836E 02
2.1516E-05	7.3165E-02	2.9289E-04	2.9524E-04	9.0915E 00	0.	8.5036E 02
2.3613E-05	7.4891E-02	3.1297E-04	3.1662E-04	8.8811E 00	0.	7.9291E 02
2.5710E-05	7.6500E-02	3.3461E-04	3.3755E-04	8.6934E 00	0.	7.4391E 02
2.7807E-05	7.8017E-02	3.5480E-04	3.5804E-04	8.5236E 00	0.	7.0134E 02
3.2001E-05	8.0801E-02	3.9412E-04	3.9798E-04	8.2264E 00	0.	6.3130E 02
3.6196E-05	8.3332E-02	4.3210E-04	4.3661E-04	7.9771E 00	0.	5.7549E 02
4.0390E-05	8.5649E-02	4.6899E-04	4.7415E-04	7.7600E 00	0.	5.3000E 02
4.4584E-05	8.7792E-02	5.0492E-04	5.1076E-04	7.5694E 00	0.	4.9213E 02
4.8779E-05	8.9783E-02	5.4002E-04	5.4656E-04	7.4005E 00	0.	4.6009E 02
5.2973E-05	9.1654E-02	5.7434E-04	5.8158E-04	7.2484E 00	0.	4.3247E 02
5.7167E-05	9.3415E-02	6.0799E-04	6.1595E-04	7.1108E 00	0.	4.0846E 02
6.1361E-05	9.5084E-02	6.4099E-04	6.4969E-04	6.9850E 00	0.	3.8732E 02
6.9750E-05	9.8177E-02	7.0535E-04	7.1556E-04	6.7634E 00	0.	3.5184E 02
7.8139E-05	1.0101E-01	7.6772E-04	7.7948E-04	6.5724E 00	0.	3.2308E 02
8.6527E-05	1.0361E-01	8.2841E-04	8.4176E-04	6.4055E 00	0.	2.9927E 02
9.4916E-05	1.0604E-01	8.8762E-04	9.0261E-04	6.2578E 00	0.	2.7921E 02
1.1169E-04	1.1043E-01	1.0023E-03	1.0207E-03	6.068E 00	0.	2.4721E 02
1.2847E-04	1.1433E-01	1.1127E-03	1.1346E-03	5.7993E 00	0.	2.2270E 02
1.4525E-04	1.1791E-01	1.2191E-03	1.2445E-03	5.6213E 00	0.	2.0301E 02
1.6202E-04	1.2118E-01	1.3225E-03	1.3516E-03	5.4680E 00	0.	1.8702E 02
1.7880E-04	1.2421E-01	1.4230E-03	1.4560E-03	5.3330E 00	0.	1.7365E 02
1.9558E-04	1.2701E-01	1.5214E-03	1.5583E-03	5.2139E 00	0.	1.6241E 02
2.1236E-04	1.2966E-01	1.6174E-03	1.6582E-03	5.1060E 00	0.	1.5265E 02
2.2913E-04	1.3214E-01	1.7115E-03	1.7564E-03	5.0087E 00	0.	1.4420E 02
2.4591E-04	1.3450E-01	1.8038E-03	1.8528E-03	4.9196E 00	0.	1.3674E 02
2.6269E-04	1.3674E-01	1.8945E-03	1.9477E-03	4.8380E 00	0.	1.3014E 02
2.7947E-04	1.3887E-01	1.9837E-03	2.0412E-03	4.7625E 00	0.	1.2423E 02
3.1302E-04	1.4286E-01	2.1580E-03	2.2242E-03	4.6273E 00	0.	1.1409E 02
3.4657E-04	1.4654E-01	2.3274E-03	2.4025E-03	4.5090E 00	0.	1.0569E 02
3.8013E-04	1.4997E-01	2.4926E-03	2.5768E-03	4.4042E 00	0.	9.8605E 01
4.1368E-04	1.5318E-01	2.6539E-03	2.7475E-03	4.3103E 00	0.	9.2538E 01
4.8079E-04	1.5903E-01	2.9668E-03	3.0796E-03	4.1464E 00	0.	8.2672E 01
5.4790E-04	1.6429E-01	3.2687E-03	3.4013E-03	4.0129E 00	0.	7.4977E 01

6.1501E-04	1.6912E-01	3.5600E-03	3.7131E-03	3.8958E 00	0.	6.8728E 01
6.8212E-04	1.7355E-01	3.8433E-03	4.0174E-03	3.7939E 00	0.	6.3586E 01
8.1634E-04	1.8159E-01	4.3868E-03	4.6043E-03	3.6218E 00	0.	5.5500E 01
9.5055E-04	1.8867E-01	4.9068E-03	5.1695E-03	3.4821E 00	0.	4.9471E 01
1.0848E-03	1.9496E-01	5.4094E-03	5.7188E-03	3.3665E 00	0.	4.4829E 01
1.2190E-03	2.0073E-01	5.8939E-03	6.2513E-03	3.2666E 00	0.	4.1062E 01
1.3532E-03	2.0602E-01	6.3649E-03	6.7715E-03	3.1799E 00	0.	3.7973E 01
1.4874E-03	2.1096E-01	6.8221E-03	7.2792E-03	3.1029E 00	0.	3.5363E 01
1.7559E-03	2.1983E-01	7.7069E-03	8.2677E-03	2.9732E 00	0.	3.1244E 01
2.0243E-03	2.2777E-01	8.5533E-03	9.2217E-03	2.8654E 00	0.	2.8082E 01
2.2927E-03	2.3498E-01	9.3675E-03	1.0147E-02	2.7738E 00	0.	2.5569E 01
2.5612E-03	2.4156E-01	1.0156E-02	1.1049E-02	2.6948E 00	0.	2.3530E 01
2.8296E-03	2.4764E-01	1.0922E-02	1.1931E-02	2.6256E 00	0.	2.1835E 01
3.0980E-03	2.5330E-01	1.1667E-02	1.2795E-02	2.5640E 00	0.	2.0399E 01
3.3665E-03	2.5861E-01	1.2392E-02	1.3642E-02	2.5086E 00	0.	1.9163E 01
3.6349E-03	2.6361E-01	1.3102E-02	1.4476E-02	2.4585E 00	0.	1.8090E 01
4.1718E-03	2.7284E-01	1.4477E-02	1.6103E-02	2.3707E 00	0.	1.6310E 01
4.7087E-03	2.8118E-01	1.5803E-02	1.7689E-02	2.2961E 00	0.	1.4896E 01
5.2455E-03	2.8885E-01	1.7084E-02	1.9236E-02	2.2313E 00	0.	1.3736E 01
5.7824E-03	2.9596E-01	1.8326E-02	2.0750E-02	2.1741E 00	0.	1.2766E 01
6.3193E-03	3.0259E-01	1.9533E-02	2.2235E-02	2.1232E 00	0.	1.1942E 01
6.8561E-03	3.0880E-01	2.0710E-02	2.3695E-02	2.0774E 00	0.	1.1233E 01
7.3930E-03	3.1466E-01	2.1859E-02	2.5131E-02	2.0358E 00	0.	1.0614E 01
8.4667E-03	3.2546E-01	2.4086E-02	2.7944E-02	1.9630E 00	0.	9.5871E 00
9.5405E-03	3.3526E-01	2.6227E-02	3.0687E-02	1.9009E 00	0.	8.7671E 00
1.0614E-02	3.4431E-01	2.8290E-02	3.3366E-02	1.8465E 00	0.	8.0900E 00
1.1688E-02	3.5268E-01	3.0288E-02	3.5992E-02	1.7986E 00	0.	7.5243E 00
1.3835E-02	3.6792E-01	3.4107E-02	4.1103E-02	1.7169E 00	0.	6.6227E 00
1.5983E-02	3.8146E-01	3.7737E-02	4.6063E-02	1.6497E 00	0.	5.9382E 00
1.8130E-02	3.9357E-01	4.1223E-02	5.0911E-02	1.5933E 00	0.	5.4033E 00
2.0278E-02	4.0472E-01	4.4563E-02	5.5644E-02	1.5442E 00	0.	4.9659E 00
2.2425E-02	4.1497E-01	4.7791E-02	6.0291E-02	1.5014E 00	0.	4.6044E 00
2.4573E-02	4.2455E-01	5.0907E-02	6.4851E-02	1.4631E 00	0.	4.2973E 00
2.8868E-02	4.4185E-01	5.6888E-02	7.3781E-02	1.3982E 00	0.	3.8086E 00
3.3163E-02	4.5742E-01	6.2540E-02	8.2459E-02	1.3437E 00	0.	3.4298E 00
3.7458E-02	4.7150E-01	6.7939E-02	9.0948E-02	1.2975E 00	0.	3.1290E 00
4.1753E-02	4.8442E-01	7.3114E-02	9.9268E-02	1.2573E 00	0.	2.8832E 00
4.6048E-02	4.9629E-01	7.8111E-02	1.0746E-01	1.2222E 00	0.	2.6794E 00
5.0343E-02	5.0743E-01	8.2918E-02	1.1550E-01	1.1907E 00	0.	2.5051E 00
5.8933E-02	5.2760E-01	9.2111E-02	1.3129E-01	1.1369E 00	0.	2.2259E 00
6.7523E-02	5.4584E-01	1.0075E-01	1.4666E-01	1.0916E 00	0.	2.0080E 00
7.6112E-02	5.6234E-01	1.0897E-01	1.6172E-01	1.0531E 00	0.	1.8345E 00
8.4702E-02	5.7747E-01	1.1684E-01	1.7652E-01	1.0196E 00	0.	1.6925E 00
9.3292E-02	5.9141E-01	1.2440E-01	1.9109E-01	9.9025E-01	0.	1.5742E 00
1.0188E-01	6.0451E-01	1.3164E-01	2.0543E-01	9.6387E-01	0.	1.4729E 00
1.1047E-01	6.1677E-01	1.3864E-01	2.1959E-01	9.4017E-01	0.	1.3858E 00
1.1906E-01	6.2836E-01	1.4540E-01	2.3356E-01	9.1860E-01	0.	1.3095E 00
1.3624E-01	6.4968E-01	1.5834E-01	2.6107E-01	8.8088E-01	0.	1.1831E 00
1.5342E-01	6.6908E-01	1.7058E-01	2.8803E-01	8.4864E-01	0.	1.0819E 00
1.7060E-01	6.8697E-01	1.8217E-01	3.1451E-01	8.2050E-01	0.	9.9834E-01
1.8778E-01	7.0349E-01	1.9327E-01	3.4059E-01	7.9577E-01	0.	9.2860E-01
2.0496E-01	7.1894E-01	2.0389E-01	3.6629E-01	7.7368E-01	0.	8.6913E-01
2.2214E-01	7.3339E-01	2.1412E-01	3.9167E-01	7.5387E-01	0.	8.1795E-01
2.3932E-01	7.4706E-01	2.2396E-01	4.1674E-01	7.3583E-01	0.	7.7312E-01
2.7368E-01	7.7226E-01	2.4270E-01	4.6608E-01	7.0431E-01	0.	6.9866E-01
3.0804E-01	7.9524E-01	2.6028E-01	5.1443E-01	6.7733E-01	0.	6.3877E-01
3.4240E-01	8.1633E-01	2.7693E-01	5.6195E-01	6.5395E-01	0.	5.8958E-01
3.7676E-01	8.3587E-01	2.9276E-01	6.0872E-01	6.3340E-01	0.	5.4838E-01
4.1112E-01	8.5407E-01	3.0789E-01	6.5484E-01	6.1514E-01	0.	5.1332E-01
4.4548E-01	8.7118E-01	3.2237E-01	7.0034E-01	5.9872E-01	0.	4.8299E-01
4.7984E-01	8.8730E-01	3.3630E-01	7.4528E-01	5.8387E-01	0.	4.5651E-01
5.4856E-01	9.1715E-01	3.6262E-01	8.3360E-01	5.5784E-01	0.	4.1226E-01

6.1728E-01	9.4432E-01	3.8724E-01	9.2011E-01	5.3572E-01	0.	3.7671E-01
6.8600E-01	9.6915E-01	4.1055E-01	1.0051E 00	5.1671E-01	0.	3.4761E-01
7.5472E-01	9.9220E-01	4.3261E-01	1.0887E 00	5.0001E-01	0.	3.2312E-01
8.2344E-01	1.0136E 00	4.5369E-01	1.1710E 00	4.8526E-01	0.	3.0228E-01
8.9216E-01	1.0338E 00	4.7378E-01	1.2521E 00	4.7200E-01	0.	2.8418E-01
1.0296E 00	1.0707E 00	5.1184E-01	1.4114E 00	4.4933E-01	0.	2.5453E-01
1.1670E 00	1.1041E 00	5.4716E-01	1.5669E 00	4.3031E-01	0.	2.3091E-01
1.3045E 00	1.1345E 00	5.8049E-01	1.7192E 00	4.1420E-01	0.	2.1172E-01
1.4419E 00	1.1625E 00	6.1204E-01	1.8687E 00	4.0026E-01	0.	1.9570E-01
1.5794E 00	1.1863E 00	6.4230E-01	2.0159E 00	3.8814E-01	0.	1.8219E-01
1.7168E 00	1.2126E 00	6.7113E-01	2.1606E 00	3.7735E-01	0.	1.7048E-01
1.8542E 00	1.2352E 00	6.9896E-01	2.3032E 00	3.6775E-01	0.	1.6030E-01
1.9917E 00	1.2567E 00	7.2580E-01	2.4440E 00	3.5912E-01	0.	1.5132E-01
2.1291E 00	1.2769E 00	7.5183E-01	2.5830E 00	3.5131E-01	0.	1.4335E-01
2.2665E 00	1.2961E 00	7.7711E-01	2.7204E 00	3.4420E-01	0.	1.3620E-01
2.5414E 00	1.3318E 00	8.2581E-01	2.9908E 00	3.3173E-01	0.	1.2390E-01
2.8163E 00	1.3644E 00	8.7235E-01	3.2560E 00	3.2111E-01	0.	1.1365E-01
3.3661E 00	1.4223E 00	9.6040E-01	3.7728E 00	3.0395E-01	0.	9.7441E-02
3.9158E 00	1.4726E 00	1.0434E 00	4.2748E 00	2.9065E-01	0.	8.5116E-02
4.4656E 00	1.5164E 00	1.1237E 00	4.7661E 00	2.8013E-01	0.	7.5474E-02
5.0153E 00	1.5556E 00	1.2009E 00	5.2472E 00	2.7148E-01	0.	6.7577E-02
5.5651E 00	1.5908E 00	1.2762E 00	5.7202E 00	2.6428E-01	0.	6.0997E-02
6.1148E 00	1.6229E 00	1.3497E 00	6.1859E 00	2.5816E-01	0.	5.5384E-02
6.6646E 00	1.6520E 00	1.4223E 00	6.6464E 00	2.5295E-01	0.	5.0579E-02
7.2143E 00	1.6787E 00	1.4937E 00	7.1016E 00	2.4843E-01	0.	4.6378E-02
7.7641E 00	1.7031E 00	1.5646E 00	7.5529E 00	2.4451E-01	0.	4.2698E-02
8.3139E 00	1.7257E 00	1.6349E 00	8.0006E 00	2.4105E-01	0.	3.9428E-02
8.8636E 00	1.7465E 00	1.7048E 00	8.4453E 00	2.3799E-01	0.	3.6509E-02
9.4134E 00	1.7659E 00	1.7743E 00	8.8872E 00	2.3527E-01	0.	3.3883E-02
1.0513E 01	1.8005E 00	1.9128E 00	9.7649E 00	2.3065E-01	0.	2.9364E-02
1.1612E 01	1.8307E 00	2.0507E 00	1.0636E 01	2.2689E-01	0.	2.5610E-02
1.2712E 01	1.8571E 00	2.1884E 00	1.1502E 01	2.2378E-01	0.	2.2446E-02
1.3811E 01	1.8802E 00	2.3262E 00	1.2365E 01	2.2118E-01	0.	1.9759E-02
1.6010E 01	1.9188E 00	2.6028E 00	1.4085E 01	2.1712E-01	0.	1.5454E-02
1.8209E 01	1.9487E 00	2.8826E 00	1.5806E 01	2.1418E-01	0.	1.2245E-02
2.0408E 01	1.9731E 00	3.1631E 00	1.7524E 01	2.1191E-01	0.	9.7138E-03
2.2608E 01	1.9920E 00	3.4481E 00	1.9251E 01	2.1023E-01	0.	7.7993E-03
2.4807E 01	2.0080E 00	3.7329E 00	2.0974E 01	2.0884E-01	0.	6.1982E-03
2.7006E 01	2.0198E 00	4.0246E 00	2.2717E 01	2.0786E-01	0.	5.0480E-03
2.9205E 01	2.0301E 00	4.3156E 00	2.4456E 01	2.0702E-01	0.	4.0425E-03
3.1404E 01	2.0380E 00	4.6108E 00	2.6207E 01	2.0638E-01	0.	3.2814E-03
3.3603E 01	2.0447E 00	4.9072E 00	2.7960E 01	2.0585E-01	0.	2.6433E-03
3.5802E 01	2.0499E 00	5.2069E 00	2.9724E 01	2.0545E-01	0.	2.1571E-03
3.8001E 01	2.0542E 00	5.5074E 00	3.1490E 01	2.0511E-01	0.	1.7442E-03
4.0200E 01	2.0577E 00	5.8102E 00	3.3263E 01	2.0485E-01	0.	1.4197E-03
4.2399E 01	2.0605E 00	6.1141E 00	3.5039E 01	2.0463E-01	0.	1.1516E-03
4.4598E 01	2.0628E 00	6.4197E 00	3.6820E 01	2.0446E-01	0.	9.3989E-04
4.8996E 01	2.0663E 00	7.0334E 00	4.0391E 01	2.0419E-01	0.	6.1397E-04
5.3394E 01	2.0684E 00	7.6518E 00	4.3976E 01	2.0403E-01	0.	4.1408E-04
5.7792E 01	2.0700E 00	8.2719E 00	4.7566E 01	2.0391E-01	0.	2.6858E-04
6.2190E 01	2.0708E 00	8.8959E 00	5.1168E 01	2.0386E-01	0.	1.9661E-04

A = 10.0000E-04

B = 3.0000E-03

EPS = C.

GAM = 1.0000E 00

X	Y	NUG	NLW	ETAMP	NURATIO	DY/DX
0.	4.0000E-03	0.	0.	8.3332E 01	0.	5.1672E 06
10.0000E-13	4.0052E-03	2.4967E-10	2.4968E-10	8.3225E 01	0.	5.2595E 06
2.0000E-12	4.0105E-03	4.9868E-10	4.9871E-10	8.3114E 01	0.	5.0708E 06
3.0000E-12	4.0154E-03	7.4710E-10	7.4713E-10	8.3011E 01	0.	5.1412E 06
4.0000E-12	4.0206E-03	9.9485E-10	9.9489E-10	8.2905E 01	0.	5.2462E 06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	8.2683E 01	0.	5.1791E 06
8.0000E-12	4.0417E-03	1.9793E-09	1.9794E-09	8.2472E 01	0.	5.0740E 06

1.0000E-11	4.0517E-03	2.4680E-09	2.4682E-09	8.2269E 01	0.	4.9649E 06
1.4000E-11	4.0711E-03	3.4388E-09	3.4389E-09	8.1877E 01	0.	4.9651E 06
2.2000E-11	4.1108E-03	5.3516E-09	5.3518E-09	8.1085E 01	0.	4.7984E 06
3.0000E-11	4.1486E-03	7.2312E-09	7.2316E-09	8.0348E 01	0.	4.7802E 06
3.8000E-11	4.1867E-03	9.0761E-09	9.0765E-09	7.9615E 01	0.	4.5695E 06
4.6000E-11	4.2218E-03	1.0896E-08	1.0896E-08	7.8954E 01	0.	4.4349E 06
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	7.8301E 01	0.	4.3251E 06
6.2000E-11	4.2912E-03	1.4448E-08	1.4448E-08	7.7676E 01	0.	4.1988E 06
7.0000E-11	4.3243E-03	1.6187E-08	1.6188E-08	7.7083E 01	0.	4.1980E 06
8.6000E-11	4.3914E-03	1.9583E-08	1.9584E-08	7.5904E 01	0.	3.9428E 06
1.0200E-10	4.4508E-03	2.2917E-08	2.2918E-08	7.4892E 01	0.	3.7339E 06
1.1800E-10	4.5092E-03	2.6168E-08	2.6170E-08	7.3922E 01	0.	3.6611E 06
1.3400E-10	4.5686E-03	2.9330E-08	2.9332E-08	7.2960E 01	0.	3.5339E 06
1.5000E-10	4.6238E-03	3.2440E-08	3.2442E-08	7.2090E 01	0.	3.4091E 06
1.8200E-10	4.7289E-03	3.8485E-08	3.8488E-08	7.0486E 01	0.	3.1844E 06
2.1400E-10	4.8278E-03	4.4325E-08	4.4328E-08	6.9042E 01	0.	2.9636E 06
2.4600E-10	4.9192E-03	5.0007E-08	5.0010E-08	6.7760E 01	0.	2.7970E 06
2.7800E-10	5.0073E-03	5.5516E-08	5.5520E-08	6.6567E 01	0.	2.6734E 06
3.1000E-10	5.0914E-03	6.0885E-08	6.0890E-08	6.5469E 01	0.	2.5128E 06
3.4200E-10	5.1670E-03	6.6187E-08	6.6192E-08	6.4511E 01	0.	2.4067E 06
3.7400E-10	5.2430E-03	7.1330E-08	7.1336E-08	6.3575E 01	0.	2.3283E 06
4.0600E-10	5.3163E-03	7.6365E-08	7.6372E-08	6.2698E 01	0.	2.2311E 06
4.3800E-10	5.3851E-03	8.1331E-08	8.1339E-08	6.1897E 01	0.	2.1345E 06
5.0200E-10	5.5156E-03	9.1010E-08	9.1019E-08	6.0433E 01	0.	1.9778E 06
5.6600E-10	5.6390E-03	1.0037E-07	1.0038E-07	5.9110E 01	0.	1.8564E 06
6.3000E-10	5.7548E-03	1.0947E-07	1.0948E-07	5.7920E 01	0.	1.7523E 06
6.9400E-10	5.8633E-03	1.1836E-07	1.1837E-07	5.6849E 01	0.	1.6426E 06
7.5800E-10	5.9641E-03	1.2709E-07	1.2710E-07	5.5888E 01	0.	1.5618E 06
8.2200E-10	6.0623E-03	1.3559E-07	1.3560E-07	5.4983E 01	0.	1.4966E 06
8.8600E-10	6.1561E-03	1.4392E-07	1.4393E-07	5.4145E 01	0.	1.4217E 06
9.5000E-10	6.2435E-03	1.5215E-07	1.5217E-07	5.3387E 01	0.	1.3687E 06
1.0140E-09	6.3300E-03	1.6018E-07	1.6020E-07	5.2657E 01	0.	1.3188E 06
1.0780E-09	6.4129E-03	1.6809E-07	1.6811E-07	5.1976E 01	0.	1.2622E 06
1.1420E-09	6.4917E-03	1.7591E-07	1.7593E-07	5.1345E 01	0.	1.2278E 06
1.2060E-09	6.5697E-03	1.8356E-07	1.8358E-07	5.0735E 01	0.	1.1768E 06
1.2700E-09	6.6430E-03	1.9117E-07	1.9119E-07	5.0176E 01	0.	1.1341E 06
1.3340E-09	6.7144E-03	1.9866E-07	1.9869E-07	4.9642E 01	0.	1.0980E 06
1.3980E-09	6.7837E-03	2.0607E-07	2.0610E-07	4.9135E 01	0.	1.0673E 06
1.5260E-09	6.9170E-03	2.2060E-07	2.2063E-07	4.8188E 01	0.	1.0086E 06
1.6540E-09	7.0417E-03	2.3487E-07	2.3490E-07	4.7335E 01	0.	9.5279E 05
1.7820E-09	7.1602E-03	2.4886E-07	2.4889E-07	4.6551E 01	0.	9.0845E 05
1.9100E-09	7.2747E-03	2.6253E-07	2.6258E-07	4.5818E 01	0.	8.6390E 05
2.1660E-09	7.4844E-03	2.8938E-07	2.8943E-07	4.4534E 01	0.	7.9651E 05
2.4220E-09	7.6820E-03	3.1526E-07	3.1531E-07	4.3389E 01	0.	7.3479E 05
2.6780E-09	7.8628E-03	3.4056E-07	3.4062E-07	4.2391E 01	0.	6.8600E 05
2.9340E-09	8.0342E-03	3.6515E-07	3.6522E-07	4.1486E 01	0.	6.4191E 05
3.1900E-09	8.1934E-03	3.8930E-07	3.8938E-07	4.0680E 01	0.	6.0649E 05
3.4460E-09	8.3454E-03	4.1288E-07	4.1296E-07	3.9939E 01	0.	5.7300E 05
3.7020E-09	8.4880E-03	4.3610E-07	4.3619E-07	3.9268E 01	0.	5.4532E 05
3.9580E-09	8.6251E-03	4.5884E-07	4.5894E-07	3.8644E 01	0.	5.1923E 05
4.2140E-09	8.7548E-03	4.8128E-07	4.8139E-07	3.8071E 01	0.	4.9606E 05
4.4700E-09	8.8793E-03	5.0336E-07	5.0348E-07	3.7537E 01	0.	4.7616E 05
4.7260E-09	8.9990E-03	5.2510E-07	5.2523E-07	3.7038E 01	0.	4.5718E 05
4.9820E-09	9.1137E-03	5.4658E-07	5.4672E-07	3.6571E 01	0.	4.4079E 05
5.2380E-09	9.2249E-03	5.6774E-07	5.6788E-07	3.6130E 01	0.	4.2451E 05
5.7500E-09	9.4340E-03	6.0942E-07	6.0958E-07	3.5330E 01	0.	3.9684E 05
6.2620E-09	9.6320E-03	6.503E-07	6.5021E-07	3.4603E 01	0.	3.7320E 05
6.7740E-09	9.8177E-03	6.8988E-07	6.9007E-07	3.3948E 01	0.	3.5249E 05
7.2860E-09	9.9933E-03	7.2898E-07	7.2920E-07	3.3352E 01	0.	3.3365E 05
8.3100E-09	1.0316E-02	8.0539E-07	8.0564E-07	3.2307E 01	0.	3.0365E 05
9.3340E-09	1.0615E-02	8.7916E-07	8.7945E-07	3.1397E 01	0.	2.7865E 05
1.0358E-08	1.0887E-02	9.5122E-07	9.5155E-07	3.0613E 01	0.	2.5836E 05

1.1382E-08	1.1143E-02	1.0212E-06	1.0216E-06	2.9909E 01	0.	2.4074E 05
1.2406E-08	1.1381E-02	1.0899E-06	1.0903E-06	2.9285E 01	0.	2.2607E 05
1.3430E-08	1.1606E-02	1.1569E-06	1.1574E-06	2.6716E 01	0.	2.1309E 05
1.4454E-08	1.1818E-02	1.2228E-06	1.2233E-06	2.8202E 01	0.	2.0189E 05
1.5478E-08	1.2020E-02	1.2875E-06	1.2880E-06	2.7728E 01	0.	1.9197E 05
1.6502E-08	1.2211E-02	1.3511E-06	1.3517E-06	2.7292E 01	0.	1.8302E 05
1.7526E-08	1.2395E-02	1.4137E-06	1.4143E-06	2.6889E 01	0.	1.7494E 05
1.9574E-08	1.2739E-02	1.5362E-06	1.5369E-06	2.6162E 01	0.	1.6124E 05
2.1622E-08	1.3059E-02	1.6553E-06	1.6562E-06	2.5521E 01	0.	1.4965E 05
2.3670E-08	1.3350E-02	1.7725E-06	1.7735E-06	2.4963E 01	0.	1.4002E 05
2.5718E-08	1.3629E-02	1.8865E-06	1.8876E-06	2.4453E 01	0.	1.3162E 05
2.7766E-08	1.3890E-02	1.9985E-06	1.9996E-06	2.3993E 01	0.	1.2432E 05
2.9814E-08	1.4138E-02	2.1082E-06	2.1095E-06	2.3572E 01	0.	1.1790E 05
3.1862E-08	1.4373E-02	2.2161E-06	2.2175E-06	2.3186E 01	0.	1.1221E 05
3.3910E-08	1.4598E-02	2.3222E-06	2.3237E-06	2.2829E 01	0.	1.0710E 05
3.8006E-08	1.5018E-02	2.5299E-06	2.5316E-06	2.2190E 01	0.	9.8371E 04
4.2102E-08	1.5406E-02	2.7319E-06	2.7339E-06	2.1631E 01	0.	9.1113E 04
4.6198E-08	1.5765E-02	2.9293E-06	2.9315E-06	2.1138E 01	0.	8.5027E 04
5.0294E-08	1.6103E-02	3.1221E-06	3.1245E-06	2.0694E 01	0.	7.9783E 04
5.4390E-08	1.6420E-02	3.3111E-06	3.3138E-06	2.0294E 01	0.	7.5246E 04
5.8486E-08	1.6720E-02	3.4965E-06	3.4995E-06	1.9930E 01	0.	7.1284E 04
6.6678E-08	1.7275E-02	3.8580E-06	3.8614E-06	1.9289E 01	0.	6.4621E 04
7.4870E-08	1.7781E-02	4.2086E-06	4.2126E-06	1.8740E 01	0.	5.9257E 04
8.3062E-08	1.8250E-02	4.5490E-06	4.5535E-06	1.8257E 01	0.	5.4802E 04
9.1254E-08	1.8683E-02	4.8817E-06	4.8868E-06	1.7834E 01	0.	5.1079E 04
9.9446E-08	1.9089E-02	5.2067E-06	5.2124E-06	1.7454E 01	0.	4.7884E 04
1.0764E-07	1.9470E-02	5.5254E-06	5.5317E-06	1.7113E 01	0.	4.5135E 04
1.1583E-07	1.9829E-02	5.8379E-06	5.8448E-06	1.6802E 01	0.	4.2722E 04
1.2402E-07	2.0170E-02	6.1450E-06	6.1525E-06	1.6518E 01	0.	4.0592E 04
1.3221E-07	2.0495E-02	6.4470E-06	6.4552E-06	1.6256E 01	0.	3.8694E 04
1.4860E-07	2.1101E-02	7.0375E-06	7.0469E-06	1.5789E 01	0.	3.5452E 04
1.6498E-07	2.1659E-02	7.6118E-06	7.6225E-06	1.5381E 01	0.	3.2781E 04
1.9775E-07	2.2668E-02	8.7170E-06	8.7304E-06	1.4696E 01	0.	2.8595E 04
2.3052E-07	2.3562E-02	9.7753E-06	9.7916E-06	1.4138E 01	0.	2.5460E 04
2.6329E-07	2.4336E-02	1.0809E-05	1.0828E-05	1.3688E 01	0.	2.3107E 04
2.9605E-07	2.5062E-02	1.1802E-05	1.1824E-05	1.3291E 01	0.	2.1157E 04
3.2882E-07	2.5723E-02	1.2771E-05	1.2796E-05	1.2949E 01	0.	1.9566E 04
3.6159E-07	2.6342E-02	1.3712E-05	1.3741E-05	1.2644E 01	0.	1.8218E 04
3.9436E-07	2.6918E-02	1.4634E-05	1.4666E-05	1.2373E 01	0.	1.7073E 04
4.2713E-07	2.7461E-02	1.5536E-05	1.5571E-05	1.2128E 01	0.	1.6080E 04
4.5989E-07	2.7973E-02	1.6421E-05	1.6460E-05	1.1905E 01	0.	1.5213E 04
4.9266E-07	2.8459E-02	1.7290E-05	1.7332E-05	1.1702E 01	0.	1.4447E 04
5.5820E-07	2.9361E-02	1.8987E-05	1.9036E-05	1.1341E 01	0.	1.3155E 04
6.2373E-07	3.0188E-02	2.0634E-05	2.0690E-05	1.1030E 01	0.	1.2103E 04
6.8927E-07	3.0952E-02	2.2237E-05	2.2301E-05	1.0757E 01	0.	1.1227E 04
7.5481E-07	3.1662E-02	2.3804E-05	2.3875E-05	1.0516E 01	0.	1.0489E 04
8.2034E-07	3.2328E-02	2.5336E-05	2.5415E-05	1.0298E 01	0.	9.8534E 03
8.8588E-07	3.2955E-02	2.6838E-05	2.6926E-05	1.0102E 01	0.	9.3019E 03
9.5141E-07	3.3549E-02	2.8311E-05	2.8407E-05	9.9228E 00	0.	8.8163E 03
1.0825E-06	3.4647E-02	3.1187E-05	3.1299E-05	9.6073E 00	0.	8.0033E 03
1.2136E-06	3.5653E-02	3.3973E-05	3.4103E-05	9.3355E 00	0.	7.3446E 03
1.3446E-06	3.6580E-02	3.6685E-05	3.6833E-05	9.0983E 00	0.	6.8000E 03
1.4757E-06	3.7440E-02	3.9332E-05	3.9498E-05	8.8885E 00	0.	6.3415E 03
1.6068E-06	3.8244E-02	4.1921E-05	4.2105E-05	8.7010E 00	0.	5.9495E 03
1.7378E-06	3.9001E-02	4.4457E-05	4.4660E-05	8.5315E 00	0.	5.6095E 03
2.0000E-06	4.0394E-02	4.9391E-05	4.9634E-05	8.2364E 00	0.	5.0488E 03
2.2621E-06	4.1654E-02	5.4166E-05	5.4449E-05	7.9862E 00	0.	4.6037E 03
2.5243E-06	4.2813E-02	5.8799E-05	5.9122E-05	7.7691E 00	0.	4.2396E 03
2.7864E-06	4.3884E-02	6.3312E-05	6.3678E-05	7.5787E 00	0.	3.9364E 03
3.0486E-06	4.4882E-02	6.7719E-05	6.8129E-05	7.4095E 00	0.	3.6794E 03
3.3107E-06	4.5815E-02	7.2035E-05	7.2489E-05	7.2578E 00	0.	3.4587E 03
3.8350E-06	4.7533E-02	8.0409E-05	8.0955E-05	6.9943E 00	0.	3.0969E 03

4.3593E-06	4.9082E-02	8.8497E-05	8.9138E-05	6.7723E 00	0.	2.8125E 03
4.8836E-06	5.0490E-02	9.6355E-05	9.7093E-05	6.5824E 00	0.	2.5833E 03
5.4079E-06	5.1793E-02	1.0399E-04	1.0483E-04	6.4157E 00	0.	2.3929E 03
5.9321E-06	5.3004E-02	1.1145E-04	1.1239E-04	6.2683E 00	0.	2.2324E 03
6.4564E-06	5.4141E-02	1.1873E-04	1.1978E-04	6.1358E 00	0.	2.0945E 03
6.9807E-06	5.5206E-02	1.2587E-04	1.2702E-04	6.0165E 00	0.	1.9753E 03
7.5050E-06	5.6215E-02	1.3287E-04	1.3414E-04	5.9078E 00	0.	1.8707E 03
8.5536E-06	5.8078E-02	1.4653E-04	1.4802E-04	5.7168E 00	0.	1.6961E 03
9.6022E-06	5.9778E-02	1.5977E-04	1.6149E-04	5.5530E 00	0.	1.5552E 03
1.0651E-05	6.1350E-02	1.7263E-04	1.7458E-04	5.4095E 00	0.	1.4385E 03
1.1699E-05	6.2804E-02	1.8518E-04	1.8738E-04	5.2831E 00	0.	1.3407E 03
1.2748E-05	6.4166E-02	1.9745E-04	1.9989E-04	5.1699E 00	0.	1.2569E 03
1.3796E-05	6.5442E-02	2.0947E-04	2.1217E-04	5.0681E 00	0.	1.1846E 03
1.4845E-05	6.6652E-02	2.2125E-04	2.2420E-04	4.9752E 00	0.	1.1212E 03
1.6942E-05	6.8884E-02	2.4421E-04	2.4770E-04	4.8123E 00	0.	1.0154E 03
1.9039E-05	7.0920E-02	2.6644E-04	2.7048E-04	4.6726E 00	0.	9.3022E 02
2.1137E-05	7.2798E-02	2.8805E-04	2.9265E-04	4.5507E 00	0.	8.5990E 02
2.3234E-05	7.4537E-02	3.0912E-04	3.1430E-04	4.4432E 00	0.	8.0092E 02
2.5331E-05	7.6163E-02	3.2971E-04	3.3547E-04	4.3471E 00	0.	7.5056E 02
2.7428E-05	7.7689E-02	3.4986E-04	3.5623E-04	4.2605E 00	0.	7.0705E 02
2.9525E-05	7.9133E-02	3.6962E-04	3.7660E-04	4.1816E 00	0.	6.6893E 02
3.1622E-05	8.0499E-02	3.8902E-04	3.9663E-04	4.1096E 00	0.	6.3531E 02
3.3719E-05	8.1800E-02	4.0810E-04	4.1634E-04	4.0432E 00	0.	6.0538E 02
3.7914E-05	8.4227E-02	4.4537E-04	4.5490E-04	3.9249E 00	0.	5.5435E 02
4.2108E-05	8.6463E-02	4.8158E-04	4.9244E-04	3.8217E 00	0.	5.1230E 02
4.6302E-05	8.8536E-02	5.1686E-04	5.2909E-04	3.7306E 00	0.	4.7699E 02
5.0497E-05	9.0472E-02	5.5133E-04	5.6496E-04	3.6493E 00	0.	4.4689E 02
5.8885E-05	9.4004E-02	6.1816E-04	6.3466E-04	3.5695E 00	0.	3.9817E 02
6.7274E-05	9.7164E-02	6.8263E-04	7.0212E-04	3.3930E 00	0.	3.6039E 02
7.5662E-05	1.0006E-01	7.4486E-04	7.6742E-04	3.2924E 00	0.	3.2980E 02
8.4051E-05	1.0272E-01	8.0538E-04	8.3110E-04	3.2053E 00	0.	3.0472E 02
9.2440E-05	1.0519E-01	8.6428E-04	8.9324E-04	3.1281E 00	0.	2.8362E 02
1.0083E-04	1.0749E-01	9.2187E-04	9.5413E-04	3.0594E 00	0.	2.6569E 02
1.0922E-04	1.0966E-01	9.7815E-04	1.0138E-03	2.9973E 00	0.	2.5016E 02
1.2599E-04	1.1363E-01	1.0876E-03	1.1301E-03	2.8897E 00	0.	2.2470E 02
1.4277E-04	1.1723E-01	1.1930E-03	1.2428E-03	2.7982E 00	0.	2.0448E 02
1.5955E-04	1.2052E-01	1.2953E-03	1.3524E-03	2.7192E 00	0.	1.8805E 02
1.7633E-04	1.2356E-01	1.3947E-03	1.4594E-03	2.6501E 00	0.	1.7440E 02
1.9310E-04	1.2638E-01	1.4917E-03	1.5642E-03	2.5887E 00	0.	1.6289E 02
2.0988E-04	1.2903E-01	1.5865E-03	1.6668E-03	2.5336E 00	0.	1.5297E 02
2.2666E-04	1.3152E-01	1.6792E-03	1.7676E-03	2.4837E 00	0.	1.4437E 02
2.4343E-04	1.3388E-01	1.7700E-03	1.8667E-03	2.4382E 00	0.	1.3680E 02
2.7699E-04	1.3824E-01	1.9469E-03	2.0604E-03	2.3579E 00	0.	1.2412E 02
3.1054E-04	1.4223E-01	2.1180E-03	2.2487E-03	2.2887E 00	0.	1.1385E 02
3.4410E-04	1.4591E-01	2.2841E-03	2.4326E-03	2.2283E 00	0.	1.0537E 02
3.7765E-04	1.4932E-01	2.4458E-03	2.6125E-03	2.1748E 00	0.	9.8229E 01
4.4476E-04	1.5549E-01	2.7583E-03	2.9625E-03	2.0839E 00	0.	8.6853E 01
5.1187E-04	1.6098E-01	3.0582E-03	3.3012E-03	2.0087E 00	0.	7.8154E 01
5.7898E-04	1.6600E-01	3.3462E-03	3.6293E-03	1.9442E 00	0.	7.1172E 01
6.4609E-04	1.7058E-01	3.6254E-03	3.9497E-03	1.8885E 00	0.	6.5506E 01
7.1320E-04	1.7483E-01	3.8962E-03	4.2627E-03	1.8395E 00	0.	6.0774E 01
7.8031E-04	1.7874E-01	4.1607E-03	4.5704E-03	1.7963E 00	0.	5.6801E 01
8.4741E-04	1.8245E-01	4.4179E-03	4.8716E-03	1.7570E 00	0.	5.3350E 01
9.1452E-04	1.8592E-01	4.6697E-03	5.1682E-03	1.7216E 00	0.	5.0362E 01
9.8163E-04	1.8921E-01	4.9160E-03	5.4602E-03	1.6892E 00	0.	4.7729E 01
1.0487E-03	1.9233E-01	5.1576E-03	5.7481E-03	1.6595E 00	0.	4.5397E 01
1.1158E-03	1.9531E-01	5.3946E-03	6.0321E-03	1.6319E 00	0.	4.3310E 01
1.2501E-03	2.0087E-01	5.8566E-03	6.5901E-03	1.5826E 00	0.	3.9737E 01
1.3843E-03	2.0599E-01	6.3041E-03	7.1360E-03	1.5394E 00	0.	3.6777E 01
1.5185E-03	2.1076E-01	6.7386E-03	7.6710E-03	1.5011E 00	0.	3.4279E 01
1.6527E-03	2.1521E-01	7.1619E-03	8.1969E-03	1.4667E 00	0.	3.2142E 01
1.7869E-03	2.1940E-01	7.5749E-03	8.7143E-03	1.4356E 00	0.	3.0289E 01

1.9212E-03	2.2335E-01	7.9786E-03	9.2242E-03	1.4073E 00	0.	2.8667E 01
2.1896E-03	2.3068E-01	8.7604E-03	1.0223E-C2	1.3572E 00	0.	2.5947E 01
2.4580E-03	2.3736E-01	9.5125E-03	1.1199E-C2	1.3141E 00	0.	2.3753E 01
2.7265E-03	2.4348E-01	1.0240E-02	1.2156E-02	1.2766E 00	0.	2.1950E 01
2.9949E-03	2.4916E-01	1.0945E-02	1.3094E-02	1.2433E 00	0.	2.0432E 01
3.2633E-03	2.5447E-01	1.1630E-02	1.4018E-02	1.2135E 00	0.	1.9136E 01
3.5318E-03	2.5946E-01	1.2297E-02	1.4927E-02	1.1865E 00	0.	1.8013E 01
3.8002E-03	2.6416E-01	1.2948E-02	1.5824E-02	1.1620E 00	0.	1.7032E 01
4.0686E-03	2.6861E-01	1.3583E-02	1.6710E-02	1.1395E 00	0.	1.6164E 01
4.6055E-03	2.7688E-01	1.4815E-02	1.8453E-02	1.0995E 00	0.	1.4702E 01
5.1424E-03	2.8443E-01	1.5998E-02	2.0160E-02	1.0648E 00	0.	1.3510E 01
5.6793E-03	2.9142E-01	1.7139E-02	2.1836E-02	1.0343E 00	0.	1.2516E 01
6.2161E-03	2.9791E-01	1.8245E-02	2.3487E-02	1.0071E 00	0.	1.1677E 01
6.7530E-03	3.0398E-01	1.9316E-02	2.5114E-02	9.8265E-01	0.	1.0955E 01
7.2899E-03	3.0968E-01	2.0359E-02	2.6721E-02	9.6048E-01	0.	1.0329E 01
7.8267E-03	3.1508E-01	2.1373E-02	2.8308E-02	9.4018E-01	0.	9.7777E 00
8.9005E-03	3.2506E-01	2.3330E-02	3.1433E-02	9.0428E-01	0.	8.8538E 00
9.9742E-03	3.3416E-01	2.5199E-02	3.4498E-02	8.7325E-01	0.	8.1058E 00
1.1048E-02	3.4253E-01	2.6594E-02	3.7515E-02	8.4606E-01	0.	7.4879E 00
1.2122E-02	3.5028E-01	2.8724E-02	4.0488E-02	8.2192E-01	0.	6.9675E 00
1.4269E-02	3.6425E-01	3.2019E-02	4.6330E-02	7.8077E-01	0.	6.1397E 00
1.6417E-02	3.7664E-01	3.5124E-02	5.2050E-02	7.4658E-01	0.	5.5064E 00
1.8564E-02	3.8795E-01	3.8047E-02	5.7657E-02	7.1711E-01	0.	4.9985E 00
2.0712E-02	3.9823E-01	4.0837E-02	6.3182E-02	6.9161E-01	0.	4.5864E 00
2.2859E-02	4.0772E-01	4.3500E-02	6.8631E-02	6.6909E-01	0.	4.2427E 00
2.5007E-02	4.1646E-01	4.6068E-02	7.4024E-02	6.4918E-01	0.	3.9542E 00
2.7154E-02	4.2470E-01	4.8525E-02	7.9350E-02	6.3106E-01	0.	3.7038E 00
2.9302E-02	4.3240E-01	5.0900E-02	8.4630E-02	6.1468E-01	0.	3.4872E 00
3.1449E-02	4.3968E-01	5.3193E-02	8.9861E-02	5.9967E-01	0.	3.2965E 00
3.3597E-02	4.4657E-01	5.5413E-02	9.5051E-02	5.8586E-01	0.	3.1276E 00
3.5744E-02	4.5313E-01	5.7565E-02	1.0020E-01	5.7307E-01	0.	2.9766E 00
4.0039E-02	4.6533E-01	6.1687E-02	1.1040E-01	5.5010E-01	0.	2.7184E 00
4.4334E-02	4.7653E-01	6.5592E-02	1.2048E-01	5.2994E-01	0.	2.5047E 00
4.8629E-02	4.8690E-01	6.9302E-02	1.3045E-01	5.1200E-01	0.	2.3246E 00
5.2924E-02	4.9654E-01	7.2845E-02	1.4033E-01	4.9590E-01	0.	2.1708E 00
5.7219E-02	5.0557E-01	7.6233E-02	1.5012E-01	4.8131E-01	0.	2.0375E 00
6.1514E-02	5.1406E-01	7.9486E-02	1.5984E-01	4.6801E-01	0.	1.9209E 00
7.0104E-02	5.2972E-01	8.5614E-02	1.7907E-01	4.4446E-01	0.	1.7258E 00
7.8694E-02	5.4389E-01	9.1308E-02	1.9806E-01	4.2417E-01	0.	1.5688E 00
8.7284E-02	5.5679E-01	9.6654E-02	2.1687E-01	4.0650E-01	0.	1.4400E 00
9.5874E-02	5.6869E-01	1.0167E-01	2.3550E-01	3.9081E-01	0.	1.3318E 00
1.0446E-01	5.7971E-01	1.0642E-01	2.5398E-01	3.7679E-01	0.	1.2397E 00
1.1305E-01	5.9003E-01	1.1090E-01	2.7231E-01	3.6407E-01	0.	1.1598E 00
1.2164E-01	5.9969E-01	1.1516E-01	2.9053E-01	3.5252E-01	0.	1.0903E 00
1.3023E-01	6.0879E-01	1.1921E-01	3.0863E-01	3.4192E-01	0.	1.0289E 00
1.4741E-01	6.2552E-01	1.2680E-01	3.4454E-01	3.2317E-01	0.	9.2566E-01
1.6459E-01	6.4065E-01	1.3374E-01	3.8008E-01	3.0694E-01	0.	8.4184E-01
1.8177E-01	6.5453E-01	1.4012E-01	4.1531E-01	2.9264E-01	0.	7.7202E-01
1.9895E-01	6.6727E-01	1.4605E-01	4.5027E-01	2.7999E-01	0.	7.1326E-01
2.1613E-01	6.7909E-01	1.5156E-01	4.8497E-01	2.6862E-01	0.	6.6285E-01
2.3331E-01	6.9007E-01	1.5673E-01	5.1948E-01	2.5838E-01	0.	6.1928E-01
2.5049E-01	7.0038E-01	1.6154E-01	5.5376E-01	2.4901E-01	0.	5.8094E-01
2.8485E-01	7.1916E-01	1.7036E-01	6.2182E-01	2.3259E-01	0.	5.1708E-01
3.1921E-01	7.3600E-01	1.7818E-01	6.8924E-01	2.1851E-01	0.	4.6560E-01
3.5357E-01	7.5127E-01	1.8516E-01	7.5610E-01	2.0623E-01	0.	4.2311E-01
3.8793E-01	7.6517E-01	1.9147E-01	8.2249E-01	1.9545E-01	0.	3.8754E-01
4.2229E-01	7.7796E-01	1.9718E-01	8.8845E-01	1.8584E-01	0.	3.5722E-01
4.9101E-01	8.0060E-01	2.0724E-01	1.0194E 00	1.6954E-01	0.	3.0854E-01
5.5973E-01	8.2035E-01	2.1564E-01	1.1490E 00	1.5601E-01	0.	2.7074E-01
6.2845E-01	8.3791E-01	2.2259E-01	1.2775E 00	1.4448E-01	0.	2.4030E-01
6.9717E-01	8.5353E-01	2.2856E-01	1.4051E 00	1.3461E-01	0.	2.1548E-01
7.6589E-01	8.6763E-01	2.3362E-01	1.5319E 00	1.2599E-01	0.	1.9472E-01

8.3461E-01	8.8033E-01	2.3807E-01	1.6581E 00	1.1846E-01	0.	1.7725E-01
9.0333E-01	8.9202E-01	2.4178E-01	1.7836E 00	1.1172E-01	0.	1.6213E-01
9.7205E-01	9.0268E-01	2.4507E-01	1.9086E 00	1.0571E-01	0.	1.4908E-01
1.0408E 00	9.1253E-01	2.4787E-01	2.0332E 00	1.0029E-01	0.	1.3762E-01
1.1095E 00	9.2162E-01	2.5033E-01	2.1574E 00	9.5388E-02	0.	1.2751E-01
1.1782E 00	9.3007E-01	2.5245E-01	2.2811E 00	9.0919E-02	0.	1.1850E-01
1.3156E 00	9.4524E-01	2.5593E-01	2.5278E 00	8.3093E-02	0.	1.0320E-01
1.4531E 00	9.5852E-01	2.5856E-01	2.7734E 00	7.6453E-02	0.	9.0682E-02
1.5905E 00	9.7027E-01	2.6047E-01	3.0180E 00	7.0732E-02	0.	8.0224E-02
1.7280E 00	9.8066E-01	2.6199E-01	3.2621E 00	6.5790E-02	0.	7.1431E-02
2.0028E 00	9.9839E-01	2.6381E-01	3.7483E 00	5.7608E-02	0.	5.7353E-02
2.2777E 00	1.0125E 00	2.6547E-01	4.2336E 00	5.1300E-02	0.	4.6894E-02
2.5526E 00	1.0242E 00	2.6658E-01	4.7177E 00	4.6212E-02	0.	3.8703E-02
2.8275E 00	1.0338E 00	2.6830E-01	5.2019E 00	4.2169E-02	0.	3.2348E-02
3.1024E 00	1.0423E 00	2.6850E-01	5.6843E 00	3.8610E-02	0.	2.6864E-02
3.3772E 00	1.0489E 00	2.7105E-01	6.1686E 00	3.5912E-02	0.	2.2773E-02
3.6521E 00	1.0548E 00	2.7284E-01	6.6519E 00	3.3519E-02	0.	1.9193E-02
3.9270E 00	1.0596E 00	2.7580E-01	7.1361E 00	3.1580E-02	0.	1.6325E-02
4.2019E 00	1.0638E 00	2.7902E-01	7.6204E 00	2.9916E-02	0.	1.3887E-02
4.4767E 00	1.0673E 00	2.8313E-01	8.1055E 00	2.8538E-02	0.	1.1884E-02
5.0265E 00	1.0731E 00	2.9232E-01	9.0762E 00	2.6310E-02	0.	8.6771E-03
5.5763E 00	1.0771E 00	3.0436E-01	1.0050E 01	2.4740E-02	0.	6.4380E-03
6.1260E 00	1.0803E 00	3.1770E-01	1.1024E 01	2.3540E-02	0.	4.7406E-03
6.6758E 00	1.0824E 00	3.3387E-01	1.2001E 01	2.2723E-02	0.	3.5908E-03
7.7753E 00	1.0858E 00	3.6628E-01	1.3955E 01	2.1437E-02	0.	1.7910E-03
8.8748E 00	1.0873E 00	4.0708E-01	1.5918E 01	2.0888E-02	0.	1.0250E-03
9.9743E 00	1.0884E 00	4.4761E-01	1.7880E 01	2.0446E-02	0.	4.1213E-04
1.1074E 01	1.0879E 00	5.0171E-01	1.9856E 01	2.0638E-02	0.	6.7749E-04
1.2173E 01	1.0895E 00	5.3518E-01	2.1811E 01	2.0041E-02	0.	-1.5071E-04
1.3273E 01	1.0894E 00	5.8537E-01	2.3783E 01	2.0103E-02	0.	-6.4760E-05
1.4372E 01	1.0893E 00	6.3472E-01	2.5754E 01	2.0129E-02	0.	-2.7804E-05
1.5472E 01	1.0893E 00	6.8368E-01	2.7725E 01	2.0141E-02	0.	-1.1931E-05
1.6571E 01	1.0892E 00	7.3245E-01	2.9695E 01	2.0146E-02	0.	-5.1194E-06
1.7671E 01	1.0892E 00	7.8113E-01	3.1665E 01	2.0148E-02	0.	-2.2202E-06
1.8770E 01	1.0892E 00	8.2977E-01	3.3636E 01	2.0149E-02	0.	-9.5923E-07
2.0969E 01	1.0892E 00	9.2702E-01	3.7576E 01	2.0149E-02	0.	1.4011E-07
2.5367E 01	1.0892E 00	1.1214E 00	4.5457E 01	2.0149E-02	0.	-1.8322E-07
3.4164E 01	1.0892E 00	1.5103E 00	6.1220E 01	2.0150E-02	0.	6.5745E-07
4.2960E 01	1.0892E 00	1.8990E 00	7.6982E 01	2.0148E-02	0.	-2.3388E-06
5.1756E 01	1.0892E 00	2.2887E 00	9.2745E 01	2.0155E-02	0.	8.3207E-06
6.0552E 01	1.0893E 00	2.6740E 00	1.0850E 02	2.0128E-02	0.	-2.9668E-05

A = 10.0000E-04

B = 3.0000E-03

EPS = 0.

GAM = 10.0000E-02

X	Y	NUC	NLW	ETAPC	NURATIO	DY/DX
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10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	8.3226E 02	0.	5.2596E 06
2.0000E-12	4.0105E-03	4.9869E-10	4.9870E-10	8.3116E 02	0.	5.0709E 06
3.0000E-12	4.0154E-03	7.4711E-10	7.4712E-10	8.3013E 02	0.	5.1458E 06
4.0000E-12	4.0206E-03	9.9487E-10	9.9487E-10	8.2906E 02	0.	5.2510E 06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	8.2685E 02	0.	5.1792E 06
8.0000E-12	4.0417E-03	1.9794E-09	1.9794E-09	8.2474E 02	0.	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	8.2270E 02	0.	4.9651E 06
1.4000E-11	4.0711E-03	3.4388E-09	3.4389E-09	8.1878E 02	0.	4.9653E 06
2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	8.1087E 02	0.	4.7985E 06
3.0000E-11	4.1486E-03	7.2314E-09	7.2314E-09	8.0350E 02	0.	4.7803E 06
3.8000E-11	4.1867E-03	9.0763E-09	9.0763E-09	7.9617E 02	0.	4.5731E 06
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	7.8955E 02	0.	4.4351E 06
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	7.8303E 02	0.	4.3282E 06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	7.7677E 02	0.	4.2018E 06
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	7.7083E 02	0.	4.2010E 06
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	7.5904E 02	0.	3.9503E 06
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-08	7.4888E 02	0.	3.7471E 06
1.1800E-10	4.5098E-03	2.6165E-08	2.6166E-08	7.3914E 02	0.	3.6882E 06
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-08	7.2943E 02	0.	3.4591E 06
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	7.2116E 02	0.	3.3607E 06
1.6600E-10	4.6752E-03	3.5506E-08	3.5507E-08	7.1299E 02	0.	3.3017E 06
1.8200E-10	4.7278E-03	3.8495E-08	3.8496E-08	7.0505E 02	0.	3.1505E 06
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-08	6.9788E 02	0.	3.1024E 06
2.1400E-10	4.8257E-03	4.4346E-08	4.4346E-08	6.9076E 02	0.	2.9943E 06
2.3000E-10	4.8723E-03	4.7205E-08	4.7206E-08	6.8415E 02	0.	2.8467E 06
2.4600E-10	4.9165E-03	5.0035E-08	5.0036E-08	6.7799E 02	0.	2.8071E 06
2.6200E-10	4.9611E-03	5.2810E-08	5.2811E-08	6.7190E 02	0.	2.7192E 06
2.7800E-10	5.0036E-03	5.5560E-08	5.5560E-08	6.6619E 02	0.	2.6614E 06
2.9400E-10	5.0459E-03	5.8265E-08	5.8265E-08	6.6061E 02	0.	2.6123E 06
3.1000E-10	5.0874E-03	6.0935E-08	6.0935E-08	6.5522E 02	0.	2.5539E 06
3.2600E-10	5.1277E-03	6.3576E-08	6.3576E-08	6.5007E 02	0.	2.4836E 06
3.5800E-10	5.2044E-03	6.8788E-08	6.8788E-08	6.4049E 02	0.	2.3561E 06
4.2200E-10	5.3471E-03	7.8921E-08	7.8922E-08	6.2339E 02	0.	2.1933E 06
4.8600E-10	5.4869E-03	8.8575E-08	8.8575E-08	6.0751E 02	0.	2.0209E 06
5.5000E-10	5.6104E-03	9.8031E-08	9.8032E-08	5.9413E 02	0.	1.8908E 06
6.1400E-10	5.7284E-03	1.0718E-07	1.0719E-07	5.8190E 02	0.	1.7728E 06
6.7800E-10	5.8384E-03	1.1613E-07	1.1613E-07	5.7094E 02	0.	1.6687E 06
7.4200E-10	5.9423E-03	1.2487E-07	1.2487E-07	5.6096E 02	0.	1.5844E 06
8.0600E-10	6.0418E-03	1.3340E-07	1.3341E-07	5.5172E 02	0.	1.5080E 06
8.7000E-10	6.1360E-03	1.4178E-07	1.4179E-07	5.4324E 02	0.	1.4467E 06
9.3400E-10	6.2272E-03	1.4999E-07	1.4999E-07	5.3529E 02	0.	1.3810E 06
9.9800E-10	6.3134E-03	1.5808E-07	1.5808E-07	5.2798E 02	0.	1.3287E 06
1.0620E-09	6.3971E-03	1.6601E-07	1.6601E-07	5.2107E 02	0.	1.2737E 06
1.1260E-09	6.4768E-03	1.7385E-07	1.7385E-07	5.1466E 02	0.	1.2213E 06
1.1900E-09	6.5534E-03	1.8158E-07	1.8159E-07	5.0865E 02	0.	1.1932E 06
1.2540E-09	6.6300E-03	1.8914E-07	1.8914E-07	5.0277E 02	0.	1.1427E 06
1.3180E-09	6.7009E-03	1.9669E-07	1.9669E-07	4.9745E 02	0.	1.1039E 06
1.3820E-09	6.7707E-03	2.0411E-07	2.0412E-07	4.9233E 02	0.	1.0742E 06
1.4460E-09	6.8386E-03	2.1144E-07	2.1145E-07	4.8743E 02	0.	1.0426E 06
1.5100E-09	6.9039E-03	2.1872E-07	2.1872E-07	4.8263E 02	0.	1.0139E 06
1.5740E-09	6.9679E-03	2.2589E-07	2.2589E-07	4.7839E 02	0.	9.8485E 05
1.7020E-09	7.0902E-03	2.4005E-07	2.4005E-07	4.7014E 02	0.	9.3329E 05
1.8300E-09	7.2067E-03	2.5393E-07	2.5393E-07	4.6254E 02	0.	8.8832E 05
1.9580E-09	7.3179E-03	2.6756E-07	2.6757E-07	4.5551E 02	0.	8.4940E 05
2.0860E-09	7.4244E-03	2.8096E-07	2.8097E-07	4.4858E 02	0.	8.1602E 05
2.3420E-09	7.6263E-03	3.0709E-07	3.0710E-07	4.3709E 02	0.	7.5263E 05

2.5980E-09	7.8094E-03	3.3267E-07	3.3268E-07	4.2684E-02	0.	7.0002E-05
2.8540E-09	7.9832E-03	3.5750E-07	3.5751E-07	4.1755E-02	0.	6.5558E-05
3.1100E-09	8.1459E-03	3.8178E-07	3.8179E-07	4.0921E-02	0.	6.1712E-05
3.3660E-09	8.2994E-03	4.0557E-07	4.0557E-07	4.0164E-02	0.	5.8289E-05
3.8780E-09	8.5820E-03	4.5187E-07	4.5188E-07	3.8841E-02	0.	5.2731E-05
4.3900E-09	8.8439E-03	4.9638E-07	4.9639E-07	3.7691E-02	0.	4.8186E-05
4.9020E-09	9.0798E-03	5.3987E-07	5.3988E-07	3.6712E-02	0.	4.4518E-05
5.4140E-09	9.3019E-03	5.8202E-07	5.8204E-07	3.5836E-02	0.	4.1399E-05
5.9260E-09	9.5061E-03	6.2338E-07	6.2340E-07	3.5066E-02	0.	3.8841E-05
6.4500E-09	9.8844E-03	7.0312E-07	7.0314E-07	3.3724E-02	0.	3.4499E-05
7.9740E-09	1.0218E-02	7.8039E-07	7.8041E-07	3.2623E-02	0.	3.1262E-05
8.9980E-09	1.0525E-02	8.5488E-07	8.5491E-07	3.1671E-02	0.	2.8597E-05
1.0022E-08	1.0804E-02	9.2763E-07	9.2766E-07	3.0854E-02	0.	2.6424E-05
1.1046E-08	1.1065E-02	9.9827E-07	9.9830E-07	3.0126E-02	0.	2.4609E-05
1.2070E-08	1.1308E-02	1.0673E-06	1.0674E-06	2.9477E-02	0.	2.3044E-05
1.3094E-08	1.1537E-02	1.1349E-06	1.1350E-06	2.8893E-02	0.	2.1708E-05
1.4118E-08	1.1754E-02	1.2011E-06	1.2011E-06	2.8360E-02	0.	2.0519E-05
1.5142E-08	1.1958E-02	1.2662E-06	1.2663E-06	2.7876E-02	0.	1.9490E-05
1.6166E-08	1.2153E-02	1.3302E-06	1.3302E-06	2.7428E-02	0.	1.8576E-05
1.7190E-08	1.2339E-02	1.3931E-06	1.3932E-06	2.7015E-02	0.	1.7735E-05
1.9238E-08	1.2686E-02	1.5165E-06	1.5165E-06	2.6277E-02	0.	1.6329E-05
2.1286E-08	1.3011E-02	1.6359E-06	1.6360E-06	2.5620E-02	0.	1.5129E-05
2.3334E-08	1.3309E-02	1.7532E-06	1.7533E-06	2.5046E-02	0.	1.4132E-05
2.5382E-08	1.3590E-02	1.8676E-06	1.8677E-06	2.4529E-02	0.	1.3282E-05
2.7430E-08	1.3854E-02	1.9799E-06	1.9800E-06	2.4062E-02	0.	1.2535E-05
2.9478E-08	1.4104E-02	2.0900E-06	2.0902E-06	2.3636E-02	0.	1.1882E-05
3.1526E-08	1.4341E-02	2.1982E-06	2.1983E-06	2.3244E-02	0.	1.1299E-05
3.3574E-08	1.4567E-02	2.3047E-06	2.3049E-06	2.2864E-02	0.	1.0782E-05
3.5622E-08	1.4783E-02	2.4096E-06	2.4097E-06	2.2549E-02	0.	1.0317E-05
3.7670E-08	1.4990E-02	2.5129E-06	2.5131E-06	2.2238E-02	0.	9.8950E-06
4.1766E-08	1.5380E-02	2.7156E-06	2.7158E-06	2.1675E-02	0.	9.1613E-06
4.5862E-08	1.5742E-02	2.9132E-06	2.9134E-06	2.1175E-02	0.	8.5422E-06
4.9958E-08	1.6081E-02	3.1065E-06	3.1067E-06	2.0729E-02	0.	8.0125E-06
5.4054E-08	1.6400E-02	3.2959E-06	3.2961E-06	2.0326E-02	0.	7.5544E-06
6.2246E-08	1.6986E-02	3.6643E-06	3.6646E-06	1.9625E-02	0.	6.7995E-06
7.0438E-08	1.7516E-02	4.0211E-06	4.0214E-06	1.9031E-02	0.	6.2010E-06
7.8630E-08	1.8005E-02	4.3670E-06	4.3675E-06	1.8515E-02	0.	5.7104E-06
8.6822E-08	1.8455E-02	4.7042E-06	4.7047E-06	1.8063E-02	0.	5.3021E-06
9.5014E-08	1.8875E-02	5.0335E-06	5.0340E-06	1.7661E-02	0.	4.9558E-06
1.0321E-07	1.9268E-02	5.3561E-06	5.3567E-06	1.7301E-02	0.	4.6592E-06
1.1140E-07	1.9639E-02	5.6719E-06	5.6726E-06	1.6974E-02	0.	4.3998E-06
1.2778E-07	2.0322E-02	6.2875E-06	6.2883E-06	1.6404E-02	0.	3.9710E-06
1.4417E-07	2.0943E-02	6.8833E-06	6.8842E-06	1.5918E-02	0.	3.6283E-06
1.6055E-07	2.1515E-02	7.4618E-06	7.4628E-06	1.5495E-02	0.	3.3466E-06
1.7693E-07	2.2043E-02	8.0263E-06	8.0274E-06	1.5124E-02	0.	3.1118E-06
1.9332E-07	2.2536E-02	8.5775E-06	8.5788E-06	1.4793E-02	0.	2.9120E-06
2.0970E-07	2.2998E-02	9.1176E-06	9.1191E-06	1.4496E-02	0.	2.7402E-06
2.2609E-07	2.3435E-02	9.6467E-06	9.6483E-06	1.4225E-02	0.	2.5897E-06
2.5885E-07	2.4239E-02	1.0678E-05	1.0680E-05	1.3733E-02	0.	2.3405E-06
2.9162E-07	2.4972E-02	1.1677E-05	1.1679E-05	1.3350E-02	0.	2.1403E-06
3.2439E-07	2.5646E-02	1.2647E-05	1.2650E-05	1.2999E-02	0.	1.9760E-06
3.5716E-07	2.6271E-02	1.3594E-05	1.3597E-05	1.2690E-02	0.	1.8385E-06
3.8993E-07	2.6853E-02	1.4519E-05	1.4522E-05	1.2415E-02	0.	1.7215E-06
4.2269E-07	2.7400E-02	1.5425E-05	1.5429E-05	1.2167E-02	0.	1.6205E-06
4.5546E-07	2.7916E-02	1.6313E-05	1.6317E-05	1.1942E-02	0.	1.5322E-06
5.2100E-07	2.8868E-02	1.8045E-05	1.8050E-05	1.1548E-02	0.	1.3856E-06
5.8653E-07	2.9740E-02	1.9720E-05	1.9725E-05	1.1210E-02	0.	1.2674E-06
6.5207E-07	3.0538E-02	2.1350E-05	2.1356E-05	1.0917E-02	0.	1.1706E-06
7.1761E-07	3.1279E-02	2.2939E-05	2.2946E-05	1.0659E-02	0.	1.0894E-06
7.8314E-07	3.1967E-02	2.4495E-05	2.4502E-05	1.0429E-02	0.	1.0206E-06
8.4868E-07	3.2617E-02	2.6016E-05	2.6024E-05	1.0222E-02	0.	9.6082E-07
9.7975E-07	3.3805E-02	2.8977E-05	2.8987E-05	9.8625E-03	0.	8.6300E-07

1.1108E-06	3.4883E-02	3.1839E-05	3.1850E-05	9.5580E-01	0.	7.8552E-03
1.2419E-06	3.5872E-02	3.4613E-05	3.4627E-05	9.2945E-01	0.	7.2233E-03
1.3730E-06	3.6783E-02	3.7319E-05	3.7334E-05	9.0645E-01	0.	6.7001E-03
1.5040E-06	3.7631E-02	3.9959E-05	3.9976E-05	8.8602E-01	0.	6.2573E-03
1.6351E-06	3.8425E-02	4.2544E-05	4.2563E-05	8.6773E-01	0.	5.8778E-03
1.7662E-06	3.9174E-02	4.5076E-05	4.5096E-05	8.5115E-01	0.	5.5472E-03
1.8973E-06	3.9881E-02	4.7561E-05	4.7584E-05	8.3606E-01	0.	5.2574E-03
2.0283E-06	4.0554E-02	5.0004E-05	5.0028E-05	8.2221E-01	0.	5.0003E-03
2.2905E-06	4.1804E-02	5.4776E-05	5.4805E-05	7.9762E-01	0.	4.5650E-03
2.5526E-06	4.2953E-02	5.9411E-05	5.9444E-05	7.7630E-01	0.	4.2087E-03
2.8148E-06	4.4017E-02	6.3928E-05	6.3965E-05	7.5754E-01	0.	3.9109E-03
3.0769E-06	4.5009E-02	6.8342E-05	6.8383E-05	7.4088E-01	0.	3.6583E-03
3.3390E-06	4.5938E-02	7.2662E-05	7.2708E-05	7.2589E-01	0.	3.4408E-03
3.8633E-06	4.7656E-02	8.1039E-05	8.1094E-05	6.9975E-01	0.	3.0822E-03
4.3876E-06	4.9199E-02	8.9148E-05	8.9213E-05	6.7782E-01	0.	2.8014E-03
4.9119E-06	5.0624E-02	9.6990E-05	9.7065E-05	6.5876E-01	0.	2.5717E-03
5.4362E-06	5.1914E-02	1.0467E-04	1.0476E-04	6.4241E-01	0.	2.3849E-03
5.9605E-06	5.3136E-02	1.1213E-04	1.1222E-04	6.2765E-01	0.	2.2243E-03
6.4848E-06	5.4260E-02	1.1946E-04	1.1956E-04	6.1465E-01	0.	2.0889E-03
7.0091E-06	5.5326E-02	1.2663E-04	1.2675E-04	6.0283E-01	0.	1.9707E-03
7.5333E-06	5.6329E-02	1.3368E-04	1.3380E-04	5.9211E-01	0.	1.8674E-03
8.0576E-06	5.7283E-02	1.4059E-04	1.4073E-04	5.8225E-01	0.	1.7757E-03
8.5819E-06	5.8192E-02	1.4740E-04	1.4755E-04	5.7317E-01	0.	1.6939E-03
9.1062E-06	5.9060E-02	1.5410E-04	1.5427E-04	5.6475E-01	0.	1.6203E-03
1.0155E-05	6.0690E-02	1.6723E-04	1.6741E-04	5.4961E-01	0.	1.4935E-03
1.1203E-05	6.2198E-02	1.8002E-04	1.8023E-04	5.3631E-01	0.	1.3876E-03
1.2252E-05	6.3606E-02	1.9251E-04	1.9274E-04	5.2445E-01	0.	1.2976E-03
1.3301E-05	6.4924E-02	2.0473E-04	2.0499E-04	5.1381E-01	0.	1.2202E-03
1.5398E-05	6.7348E-02	2.2847E-04	2.2878E-04	4.9535E-01	0.	1.0933E-03
1.7495E-05	6.9529E-02	2.5144E-04	2.5180E-04	4.7984E-01	0.	9.9381E-02
1.9592E-05	7.1522E-02	2.7372E-04	2.7414E-04	4.6650E-01	0.	9.1316E-02
2.1689E-05	7.3365E-02	2.9539E-04	2.9587E-04	4.5480E-01	0.	8.4616E-02
2.3786E-05	7.5082E-02	3.1654E-04	3.1707E-04	4.4442E-01	0.	7.8952E-02
2.7981E-05	7.8192E-02	3.5752E-04	3.5817E-04	4.2678E-01	0.	6.9920E-02
3.2175E-05	8.0957E-02	3.9704E-04	3.9782E-04	4.1224E-01	0.	6.3012E-02
3.6369E-05	8.3489E-02	4.3516E-04	4.3607E-04	3.9976E-01	0.	5.7462E-02
4.0563E-05	8.5801E-02	4.7224E-04	4.7328E-04	3.8902E-01	0.	5.2952E-02
4.8952E-05	8.9989E-02	5.4332E-04	5.4464E-04	3.7097E-01	0.	4.5917E-02
5.7341E-05	9.3656E-02	6.1145E-04	6.1305E-04	3.5649E-01	0.	4.0745E-02
6.5729E-05	9.6886E-02	6.7747E-04	6.7937E-04	3.4464E-01	0.	3.6816E-02
7.4118E-05	9.9849E-02	7.4120E-04	7.4340E-04	3.3445E-01	0.	3.3645E-02
8.2507E-05	1.0255E-01	8.0326E-04	8.0578E-04	3.2566E-01	0.	3.1061E-02
9.0895E-05	1.0508E-01	8.6358E-04	8.6643E-04	3.1786E-01	0.	2.8882E-02
9.9284E-05	1.0742E-01	9.2267E-04	9.2585E-04	3.1097E-01	0.	2.7043E-02
1.0767E-04	1.0962E-01	9.8047E-04	9.8398E-04	3.0475E-01	0.	2.5452E-02
1.1606E-04	1.1169E-01	1.0372E-03	1.0410E-03	2.9912E-01	0.	2.4067E-02
1.2445E-04	1.1366E-01	1.0928E-03	1.0970E-03	2.9397E-01	0.	2.2844E-02
1.4123E-04	1.1731E-01	1.2014E-03	1.2063E-03	2.8486E-01	0.	2.0786E-02
1.5800E-04	1.2066E-01	1.3067E-03	1.3124E-03	2.7701E-01	0.	1.9113E-02
1.7478E-04	1.2375E-01	1.4092E-03	1.4156E-03	2.7013E-01	0.	1.7724E-02
1.9156E-04	1.2662E-01	1.5093E-03	1.5165E-03	2.6404E-01	0.	1.6551E-02
2.0834E-04	1.2931E-01	1.6072E-03	1.6152E-03	2.5857E-01	0.	1.5545E-02
2.4189E-04	1.3423E-01	1.7972E-03	1.8069E-03	2.4915E-01	0.	1.3906E-02
2.7544E-04	1.3865E-01	1.9809E-03	1.9922E-03	2.4126E-01	0.	1.2625E-02
3.0900E-04	1.4272E-01	2.1585E-03	2.1716E-03	2.3443E-01	0.	1.1583E-02
3.4255E-04	1.4646E-01	2.3315E-03	2.3463E-03	2.2849E-01	0.	1.0724E-02
4.0966E-04	1.5324E-01	2.6641E-03	2.6826E-03	2.1847E-01	0.	9.3728E-01
4.7677E-04	1.5922E-01	2.9832E-03	3.0056E-03	2.1033E-01	0.	8.3635E-01
5.4388E-04	1.6454E-01	3.2923E-03	3.3187E-03	2.0360E-01	0.	7.5853E-01
6.1099E-04	1.6943E-01	3.5910E-03	3.6215E-03	1.9778E-01	0.	6.9533E-01
6.7810E-04	1.7391E-01	3.8819E-03	3.9166E-03	1.9274E-01	0.	6.4347E-01
7.4521E-04	1.7809E-01	4.1649E-03	4.2039E-03	1.8826E-01	0.	5.9962E-01

8.7942E-04	1.8562E-01	4.7139E-03	4.7618E-03	1.8072E 01	0.	5.3035E 01
1.0136E-03	1.9236E-01	5.2410E-03	5.2981E-03	1.7447E 01	0.	4.7715E 01
1.1479E-03	1.9849E-01	5.7498E-03	5.8164E-03	1.6916E 01	0.	4.3483E 01
1.2821E-03	2.0408E-01	6.2439E-03	6.3203E-03	1.6459E 01	0.	4.0049E 01
1.4163E-03	2.0926E-01	6.7250E-03	6.8114E-03	1.6058E 01	0.	3.7192E 01
1.5505E-03	2.1408E-01	7.1943E-03	7.2910E-03	1.5702E 01	0.	3.4770E 01
1.8189E-03	2.2286E-01	8.1031E-03	8.2208E-03	1.5094E 01	0.	3.0882E 01
2.0874E-03	2.3068E-01	8.9791E-03	9.1186E-03	1.4592E 01	0.	2.7896E 01
2.3558E-03	2.3782E-01	9.8250E-03	9.9869E-03	1.4163E 01	0.	2.5502E 01
2.6243E-03	2.4440E-01	1.0645E-02	1.0830E-02	1.3790E 01	0.	2.3536E 01
2.8927E-03	2.5049E-01	1.1444E-02	1.1652E-02	1.3462E 01	0.	2.1893E 01
3.1611E-03	2.5617E-01	1.2224E-02	1.2456E-02	1.3170E 01	0.	2.0500E 01
3.4296E-03	2.6150E-01	1.2986E-02	1.3243E-02	1.2908E 01	0.	1.9297E 01
3.9664E-03	2.7129E-01	1.4467E-02	1.4775E-02	1.2455E 01	0.	1.7329E 01
4.5033E-03	2.8015E-01	1.5895E-02	1.6254E-02	1.2072E 01	0.	1.5776E 01
5.0402E-03	2.8828E-01	1.7277E-02	1.7690E-02	1.1741E 01	0.	1.4511E 01
5.5770E-03	2.9578E-01	1.8622E-02	1.9089E-02	1.1453E 01	0.	1.3466E 01
6.1139E-03	3.0276E-01	1.9932E-02	2.0455E-02	1.1197E 01	0.	1.2582E 01
7.1877E-03	3.1540E-01	2.2471E-02	2.3108E-02	1.0764E 01	0.	1.1173E 01
8.2614E-03	3.2672E-01	2.4908E-02	2.5663E-02	1.0405E 01	0.	1.0088E 01
9.3351E-03	3.3710E-01	2.7254E-02	2.8131E-02	1.0098E 01	0.	9.2164E 00
1.0409E-02	3.4659E-01	2.9532E-02	3.0533E-02	9.8330E 00	0.	8.5078E 00
1.1483E-02	3.5540E-01	3.1745E-02	3.2873E-02	9.6000E 00	0.	7.9146E 00
1.2556E-02	3.6359E-01	3.3906E-02	3.5163E-02	9.3941E 00	0.	7.4136E 00
1.3630E-02	3.7133E-01	3.6012E-02	3.7401E-02	9.2080E 00	0.	6.9794E 00
1.4704E-02	3.7861E-01	3.8075E-02	3.9598E-02	9.0401E 00	0.	6.6024E 00
1.5778E-02	3.8552E-01	4.0097E-02	4.1755E-02	8.8868E 00	0.	6.2702E 00
1.6851E-02	3.9209E-01	4.2081E-02	4.3876E-02	8.7462E 00	0.	5.9755E 00
1.7925E-02	3.9836E-01	4.4030E-02	4.5964E-02	8.6164E 00	0.	5.7116E 00
2.0073E-02	4.1012E-01	4.7835E-02	5.0052E-02	8.3841E 00	0.	5.2589E 00
2.2220E-02	4.2100E-01	5.1526E-02	5.4032E-02	8.1811E 00	0.	4.8833E 00
2.6515E-02	4.4068E-01	5.8620E-02	6.1717E-02	7.8404E 00	0.	4.2936E 00
3.0810E-02	4.5817E-01	6.5392E-02	6.9098E-02	7.5631E 00	0.	3.8498E 00
3.5105E-02	4.7387E-01	7.1918E-02	7.6246E-02	7.3325E 00	0.	3.5047E 00
3.9400E-02	4.8835E-01	7.8198E-02	8.3162E-02	7.1335E 00	0.	3.2238E 00
4.3695E-02	5.0167E-01	8.4293E-02	8.9905E-02	6.9611E 00	0.	2.9928E 00
4.7990E-02	5.1413E-01	9.0207E-02	9.6476E-02	6.8083E 00	0.	2.7974E 00
5.6580E-02	5.3668E-01	1.0162E-01	1.0923E-01	6.5510E 00	0.	2.4875E 00
6.5170E-02	5.5705E-01	1.1250E-01	1.2148E-01	6.3375E 00	0.	2.2482E 00
7.3760E-02	5.7556E-01	1.2297E-01	1.3334E-01	6.1576E 00	0.	2.0585E 00
8.2350E-02	5.9258E-01	1.3307E-01	1.4486E-01	6.0027E 00	0.	1.9039E 00
9.0940E-02	6.0830E-01	1.4289E-01	1.5611E-01	5.8681E 00	0.	1.7757E 00
9.9529E-02	6.2308E-01	1.5240E-01	1.6707E-01	5.7482E 00	0.	1.6663E 00
1.0812E-01	6.3695E-01	1.6168E-01	1.7781E-01	5.6412E 00	0.	1.5725E 00
1.1671E-01	6.5012E-01	1.7072E-01	1.8832E-01	5.5442E 00	0.	1.4904E 00
1.2530E-01	6.6260E-01	1.7956E-01	1.9865E-01	5.4562E 00	0.	1.4184E 00
1.3389E-01	6.7450E-01	1.8821E-01	2.0879E-01	5.3756E 00	0.	1.3544E 00
1.5107E-01	6.9678E-01	2.0501E-01	2.2861E-01	5.2330E 00	0.	1.2458E 00
1.6825E-01	7.1736E-01	2.2122E-01	2.4786E-01	5.1100E 00	0.	1.1566E 00
1.8543E-01	7.3658E-01	2.3689E-01	2.6659E-01	5.0022E 00	0.	1.0818E 00
2.0261E-01	7.5460E-01	2.5211E-01	2.8489E-01	4.9067E 00	0.	1.0181E 00
2.1979E-01	7.7161E-01	2.6691E-01	3.0278E-01	4.8212E 00	0.	9.6317E-01
2.3697E-01	7.8772E-01	2.8134E-01	3.2031E-01	4.7441E 00	0.	9.1522E-01
2.5415E-01	8.0308E-01	2.9543E-01	3.3751E-01	4.6740E 00	0.	8.7287E-01
2.8851E-01	8.3179E-01	3.2269E-01	3.7101E-01	4.5509E 00	0.	8.0149E-01
3.2287E-01	8.5832E-01	3.4888E-01	4.0345E-01	4.4458E 00	0.	7.4336E-01
3.5723E-01	8.8301E-01	3.7414E-01	4.3497E-01	4.3546E 00	0.	6.9505E-01
3.9159E-01	9.0616E-01	3.9860E-01	4.6567E-01	4.2746E 00	0.	6.5417E-01
4.2595E-01	9.2801E-01	4.2233E-01	4.9564E-01	4.2035E 00	0.	6.1902E-01
4.6031E-01	9.4875E-01	4.4540E-01	5.2494E-01	4.1397E 00	0.	5.8843E-01
5.2903E-01	9.8739E-01	4.8982E-01	5.8175E-01	4.0296E 00	0.	5.3766E-01
5.9775E-01	1.0230E 00	5.3221E-01	6.3643E-01	3.9374E 00	0.	4.9702E-01

6.6647E-01	1.0560E 00	5.7292E-01	6.8934E-01	3.8590E 00	0.	4.6374E-01
7.3518E-01	1.0869E 00	6.1218E-01	7.4067E-01	3.7912E 00	0.	4.3589E-01
8.0390E-01	1.1160E 00	6.5014E-01	7.9059E-01	3.7317E 00	0.	4.1218E-01
8.7262E-01	1.1436E 00	6.8691E-01	8.3920E-01	3.6791E 00	0.	3.9166E-01
1.0101E 00	1.1950E 00	7.5745E-01	9.3303E-01	3.5898E 00	0.	3.5793E-01
1.1475E 00	1.2421E 00	8.2461E-01	1.0230E 00	3.5168E 00	0.	3.3127E-01
1.2849E 00	1.2862E 00	8.8866E-01	1.1094E 00	3.4553E 00	0.	3.0941E-01
1.4224E 00	1.3274E 00	9.5024E-01	1.1928E 00	3.4032E 00	0.	2.9121E-01
1.6973E 00	1.4037E 00	1.0667E 00	1.3515E 00	3.3185E 00	0.	2.6231E-01
1.9721E 00	1.4726E 00	1.1765E 00	1.5019E 00	3.2534E 00	0.	2.4046E-01
2.2470E 00	1.5361E 00	1.2805E 00	1.6451E 00	3.2014E 00	0.	2.2317E-01
2.5219E 00	1.5955E 00	1.3795E 00	1.7817E 00	3.1588E 00	0.	2.0901E-01
2.7968E 00	1.6513E 00	1.4744E 00	1.9130E 00	3.1235E 00	0.	1.9718E-01
3.0716E 00	1.7041E 00	1.5657E 00	2.0394E 00	3.0936E 00	0.	1.8710E-01
3.6214E 00	1.8018E 00	1.7395E 00	2.2803E 00	3.0464E 00	0.	1.7081E-01
4.1712E 00	1.8917E 00	1.9030E 00	2.5070E 00	3.0107E 00	0.	1.5803E-01
4.7209E 00	1.9758E 00	2.0575E 00	2.7213E 00	2.9829E 00	0.	1.4759E-01
5.2707E 00	2.0544E 00	2.2052E 00	2.9260E 00	2.9608E 00	0.	1.3892E-01
5.8204E 00	2.1287E 00	2.3467E 00	3.1218E 00	2.9430E 00	0.	1.3152E-01
6.3702E 00	2.1990E 00	2.4831E 00	3.3104E 00	2.9285E 00	0.	1.2512E-01
6.9199E 00	2.2663E 00	2.6147E 00	3.4921E 00	2.9164E 00	0.	1.1950E-01
7.4697E 00	2.3306E 00	2.7421E 00	3.6680E 00	2.9063E 00	0.	1.1450E-01
8.0194E 00	2.3923E 00	2.8659E 00	3.8384E 00	2.8978E 00	0.	1.1002E-01
9.1190E 00	2.5088E 00	3.1038E 00	4.1657E 00	2.8843E 00	0.	1.0229E-01
1.0218E 01	2.6177E 00	3.3304E 00	4.4768E 00	2.8743E 00	0.	9.5791E-02
1.1318E 01	2.7199E 00	3.5477E 00	4.7746E 00	2.8667E 00	0.	9.0228E-02
1.2417E 01	2.8164E 00	3.7570E 00	5.0609E 00	2.8608E 00	0.	8.5390E-02
1.3517E 01	2.9079E 00	3.9594E 00	5.3374E 00	2.8562E 00	0.	8.1125E-02
1.4617E 01	2.9950E 00	4.1556E 00	5.6051E 00	2.8526E 00	0.	7.7323E-02
1.6816E 01	3.1581E 00	4.5317E 00	6.1176E 00	2.8472E 00	0.	7.0793E-02
1.9015E 01	3.3078E 00	4.8507E 00	6.6060E 00	2.8436E 00	0.	6.5378E-02
2.1214E 01	3.4464E 00	5.2357E 00	7.0748E 00	2.8411E 00	0.	6.0793E-02
2.3413E 01	3.5755E 00	5.5689E 00	7.5271E 00	2.8393E 00	0.	5.6839E-02
2.5612E 01	3.6968E 00	5.8914E 00	7.9648E 00	2.8381E 00	0.	5.3377E-02
2.7811E 01	3.8107E 00	6.2055E 00	8.3906E 00	2.8371E 00	0.	5.0321E-02
3.0010E 01	3.9184E 00	6.5117E 00	8.8057E 00	2.8364E 00	0.	4.7595E-02
3.2209E 01	4.0202E 00	6.8115E 00	9.2119E 00	2.8358E 00	0.	4.5148E-02
3.4408E 01	4.1171E 00	7.1051E 00	9.6096E 00	2.8354E 00	0.	4.2931E-02
3.8806E 01	4.2970E 00	7.6772E 00	1.0384E 01	2.8348E 00	0.	3.9072E-02
4.3204E 01	4.4616E 00	8.2318E 00	1.1135E 01	2.8344E 00	0.	3.5811E-02
4.7602E 01	4.6128E 00	8.7721E 00	1.1867E 01	2.8341E 00	0.	3.3015E-02
5.2000E 01	4.7526E 00	9.3006E 00	1.2582E 01	2.8339E 00	0.	3.0587E-02
6.0796E 01	5.0028E 00	1.0330E 01	1.3975E 01	2.8337E 00	0.	2.6575E-02

A = 10.0000E-04

B = 3.0000E-03

EPS = 1.1200E-05

GAM = 10.0000E-02

X	Y	NUC	NLW	ETAPC	NURATIO	DY/DX
0.	4.0000E-03	0.	0.	8.3334E 02	0.	5.1673E 06
10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	6.5278E 02	4.6370E 00	5.2596E 06
2.0000E-12	4.0105E-03	4.9869E-10	4.9870E-10	6.8023E 02	5.5070E 00	5.0709E 06
3.0000E-12	4.0154E-03	7.4711E-10	7.4712E-10	6.9375E 02	6.0870E 00	5.1458E 06
4.0000E-12	4.0206E-03	9.9487E-10	9.9487E-10	7.0215E 02	6.5325E 00	5.2510E 06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	7.1217E 02	7.2100E 00	5.1792E 06
8.0000E-12	4.0417E-03	1.9794E-09	1.9794E-09	7.1802E 02	7.7280E 00	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	7.2177E 02	8.1511E 00	4.9651E 06
1.4000E-11	4.0711E-03	3.4388E-09	3.4389E-09	7.2599E 02	8.8242E 00	4.9653E 06
2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	7.2799E 02	9.7843E 00	4.7985E 06
3.0000E-11	4.1486E-03	7.2314E-09	7.2314E-09	7.2681E 02	1.0477E 01	4.7803E 06
3.8000E-11	4.1867E-03	9.0763E-09	9.0763E-09	7.2388E 02	1.1014E 01	4.5731E 06
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	7.2063E 02	1.1456E 01	4.4351E 06
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	7.1682E 02	1.1826E 01	4.3282E 06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	7.1280E 02	1.2144E 01	4.2018E 06

7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-C8	7.0878E 02	1.2422E 01	4.2010E 06
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-C8	7.0010E 02	1.2878E 01	3.9503E 06
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-C8	6.9241E 02	1.3260E 01	3.7471E 06
1.1800E-10	4.5098E-03	2.6165E-08	2.6166E-C8	6.8469E 02	1.3573E 01	3.6882E 06
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-C8	6.7667E 02	1.3827E 01	3.4591E 06
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-C8	6.6987E 02	1.4061E 01	3.3607E 06
1.6600E-10	4.6752E-03	3.5506E-08	3.5507E-C8	6.6298E 02	1.4259E 01	3.3017E 06
1.8200E-10	4.7278E-03	3.8495E-08	3.8496E-C8	6.5619E 02	1.4428E 01	3.1505E 06
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-C8	6.5003E 02	1.4586E 01	3.1024E 06
2.1400E-10	4.8257E-03	4.4346E-08	4.4346E-C8	6.4383E 02	1.4720E 01	2.9943E 06
2.3000E-10	4.8723E-03	4.7205E-08	4.7206E-C8	6.3806E 02	1.4844E 01	2.8467E 06
2.4600E-10	4.9165E-03	5.0035E-08	5.0036E-C8	6.3267E 02	1.4960E 01	2.8071E 06
2.6200E-10	4.9611E-03	5.2810E-08	5.2811E-C8	6.2728E 02	1.5061E 01	2.7192E 06
2.7800E-10	5.0036E-03	5.5560E-08	5.5560E-C8	6.2224E 02	1.5156E 01	2.6614E 06
2.9400E-10	5.0459E-03	5.8265E-C8	5.8265E-08	6.1726E 02	1.5241E 01	2.6123E 06
3.1000E-10	5.0874E-03	6.0935E-08	6.0935E-C8	6.1245E 02	1.5318E 01	2.5539E 06
3.2600E-10	5.1277E-03	6.3576E-08	6.3576E-C8	6.0783E 02	1.5390E 01	2.4836E 06
3.5800E-10	5.2044E-03	6.8788E-C8	6.8788E-08	5.9923E 02	1.5522E 01	2.3561E 06
4.2200E-10	5.3471E-03	7.8921E-08	7.8922E-C8	5.8379E 02	1.5742E 01	2.1933E 06
4.8600E-10	5.4869E-03	8.8575E-08	8.8575E-C8	5.6929E 02	1.5892E 01	2.0209E 06
5.5000E-10	5.6104E-03	9.8031E-08	9.8032E-C8	5.5707E 02	1.6031E 01	1.8908E 06
6.1400E-10	5.7284E-03	1.0718E-07	1.0719E-07	5.4584E 02	1.6138E 01	1.7728E 06
6.7800E-10	5.8384E-03	1.1613E-07	1.1613E-07	5.3576E 02	1.6232E 01	1.6687E 06
7.4200E-10	5.9423E-03	1.2487E-07	1.2487E-07	5.2657E 02	1.6312E 01	1.5844E 06
8.0600E-10	6.0418E-03	1.3340E-07	1.3341E-07	5.1803E 02	1.6379E 01	1.5080E 06
8.7000E-10	6.1360E-03	1.4178E-07	1.4179E-07	5.1020E 02	1.6438E 01	1.4467E 06
9.3400E-10	6.2272E-03	1.4999E-07	1.4999E-07	5.0282E 02	1.6487E 01	1.3810E 06
9.9800E-10	6.3134E-03	1.5808E-07	1.5808E-07	4.9605E 02	1.6534E 01	1.3287E 06
1.0620E-09	6.3971E-03	1.6601E-07	1.6601E-07	4.8963E 02	1.6573E 01	1.2737E 06
1.1260E-09	6.4768E-03	1.7385E-07	1.7385E-07	4.8368E 02	1.6610E 01	1.2213E 06
1.1900E-09	6.5534E-03	1.8158E-07	1.8159E-07	4.7809E 02	1.6645E 01	1.1932E 06
1.2540E-09	6.6300E-03	1.8914E-07	1.8914E-07	4.7261E 02	1.6669E 01	1.1427E 06
1.3180E-09	6.7009E-03	1.9669E-07	1.9669E-07	4.6766E 02	1.6699E 01	1.1039E 06
1.3820E-09	6.7707E-03	2.0411E-07	2.0412E-07	4.6289E 02	1.6724E 01	1.0742E 06
1.4460E-09	6.8386E-03	2.1144E-07	2.1145E-07	4.5833E 02	1.6747E 01	1.0426E 06
1.5100E-09	6.9039E-03	2.1872E-07	2.1872E-07	4.5404E 02	1.6769E 01	1.0139E 06
1.5740E-09	6.9679E-03	2.2589E-07	2.2589E-07	4.4989E 02	1.6788E 01	9.8485E 05
1.7020E-09	7.0902E-03	2.4005E-07	2.4005E-07	4.4220E 02	1.6824E 01	9.3329E 05
1.8300E-09	7.2067E-03	2.5393E-07	2.5393E-07	4.3510E 02	1.6855E 01	8.8832E 05
1.9580E-09	7.3179E-03	2.6756E-07	2.6757E-07	4.2853E 02	1.6882E 01	8.4940E 05
2.0860E-09	7.4244E-03	2.8096E-07	2.8097E-07	4.2242E 02	1.6905E 01	8.1602E 05
2.3420E-09	7.6263E-03	3.0709E-07	3.0710E-07	4.1129E 02	1.6941E 01	7.5263E 05
2.5980E-09	7.8094E-03	3.3267E-07	3.3268E-07	4.0170E 02	1.6978E 01	7.0002E 05
2.8540E-09	7.9832E-03	3.5750E-07	3.5751E-07	3.9299E 02	1.7004E 01	6.5558E 05
3.1100E-09	8.1459E-03	3.8178E-07	3.8179E-07	3.8517E 02	1.7026E 01	6.1712E 05
3.3660E-09	8.2994E-03	4.0557E-07	4.0557E-07	3.7808E 02	1.7044E 01	5.8289E 05
3.8780E-09	8.5820E-03	4.5187E-07	4.5188E-07	3.6567E 02	1.7077E 01	5.2731E 05
4.3900E-09	8.8439E-03	4.9638E-07	4.9639E-07	3.5486E 02	1.7093E 01	4.8186E 05
4.9020E-09	9.0798E-03	5.3987E-07	5.3988E-07	3.4567E 02	1.7115E 01	4.4518E 05
5.4140E-09	9.3019E-03	5.8202E-07	5.8204E-07	3.3743E 02	1.7126E 01	4.1399E 05
5.9260E-09	9.5061E-C3	6.2338E-07	6.2340E-07	3.3020E 02	1.7141E 01	3.8841E 05
6.4500E-09	9.8844E-03	7.0312E-07	7.0314E-07	3.1758E 02	1.7155E 01	3.4499E 05
7.9740E-09	1.0218E-02	7.8039E-07	7.8041E-07	3.0724E 02	1.7176E 01	3.1262E 05
8.9980E-09	1.0525E-02	8.5488E-07	8.5491E-07	2.9828E 02	1.7185E 01	2.8597E 05
1.0022E-08	1.0804E-02	9.2763E-07	9.2766E-07	2.9060E 02	1.7199E 01	2.6424E 05
1.1046E-08	1.1065E-02	9.9827E-07	9.9830E-07	2.8375E 02	1.7207E 01	2.4609E 05
1.2070E-08	1.1308E-02	1.0673E-06	1.0674E-06	2.7765E 02	1.7214E 01	2.3044E 05
1.3094E-08	1.1537E-02	1.1349E-06	1.1350E-06	2.7215E 02	1.7219E 01	2.1708E 05
1.4118E-08	1.1754E-02	1.2011E-06	1.2011E-06	2.6713E 02	1.7223E 01	2.0519E 05
1.5142E-08	1.1958E-02	1.2662E-06	1.2663E-06	2.6258E 02	1.7228E 01	1.9490E 05
1.6166E-08	1.2153E-02	1.3302E-06	1.3302E-06	2.5837E 02	1.7231E 01	1.8576E 05
1.7190E-08	1.2339E-02	1.3931E-C6	1.3932E-06	2.5448E 02	1.7234E 01	1.7735E 05

1.9238E-08	1.266E-02	1.515E-06	1.515E-06	2.4753E-02	1.7241E-01	1.6329E-05
2.1286E-08	1.3011E-02	1.6359E-06	1.7532E-06	2.6344E-02	1.7241E-01	1.5129E-05
2.3334E-08	1.3369E-02	1.7532E-06	1.7532E-06	2.3594E-02	1.7241E-01	1.4132E-05
2.5382E-08	1.3550E-02	1.8676E-06	1.8676E-06	2.3106E-02	1.7241E-01	1.3282E-05
2.7430E-08	1.3854E-02	1.9799E-06	1.8676E-06	2.266E-02	1.7252E-01	1.2535E-05
2.9478E-08	1.4104E-02	2.0900E-06	2.0900E-06	2.226E-02	1.7252E-01	1.1882E-05
3.1526E-08	1.4341E-02	2.1582E-06	2.1582E-06	2.1897E-02	1.7255E-01	1.1299E-05
3.3574E-08	1.4567E-02	2.3047E-06	2.3047E-06	2.1557E-02	1.7257E-01	1.0782E-05
3.5622E-08	1.4783E-02	2.4696E-06	2.4696E-06	2.1243E-02	1.7259E-01	1.0317E-05
3.7670E-08	1.4950E-02	2.5129E-06	2.5129E-06	2.0950E-02	1.7260E-01	9.8950E-06
4.0562E-08	1.5380E-02	2.7156E-06	2.7156E-06	2.0419E-02	1.7262E-01	9.1613E-06
4.5662E-08	1.5742E-02	2.9132E-06	2.9132E-06	1.9949E-02	1.7264E-01	8.5422E-06
4.9958E-08	1.6081E-02	3.1065E-06	3.1065E-06	1.9528E-02	1.7265E-01	8.0125E-06
5.4054E-08	1.6400E-02	3.2959E-06	3.2959E-06	1.9149E-02	1.7267E-01	7.5444E-06
6.0246E-08	1.6966E-02	3.6643E-06	3.6643E-06	1.8488E-02	1.7269E-01	6.7995E-06
7.0630E-08	1.8005E-02	4.3670E-06	4.3670E-06	1.7433E-02	1.7272E-01	5.7104E-06
7.8632E-08	1.8455E-02	4.7042E-06	4.7042E-06	1.7017E-02	1.7273E-01	5.3021E-06
8.6822E-08	1.8815E-02	5.0335E-06	5.0335E-06	1.6638E-02	1.7274E-01	4.9558E-06
9.5014E-08	1.9268E-02	5.3561E-06	5.3561E-06	1.6300E-02	1.7275E-01	4.6592E-06
1.03321E-07	1.9639E-02	5.6719E-06	5.6719E-06	1.5922E-02	1.7275E-01	4.3998E-06
1.1145E-07	2.0322E-02	6.2875E-06	6.2875E-06	1.5455E-02	1.7278E-01	3.9710E-06
1.2778E-07	2.0943E-02	6.8833E-06	6.8833E-06	1.4966E-02	1.7279E-01	3.6283E-06
1.4417E-07	2.1515E-02	7.4618E-06	7.4618E-06	1.4598E-02	1.7278E-01	3.3466E-06
1.6055E-07	2.2043E-02	8.0263E-06	8.0263E-06	1.4248E-02	1.7279E-01	3.1118E-06
1.7693E-07	2.2536E-02	8.5775E-06	8.5775E-06	1.3936E-02	1.7279E-01	2.9120E-06
2.0970E-07	2.2998E-02	9.1176E-06	9.1176E-06	1.3657E-02	1.7280E-01	2.7402E-06
2.2609E-07	2.3435E-02	9.6467E-06	9.6467E-06	1.3412E-02	1.7279E-01	2.5897E-06
2.5885E-07	2.4239E-02	1.0678E-05	1.0678E-05	1.2957E-02	1.7281E-01	2.3405E-06
2.9162E-07	2.4972E-02	1.1679E-05	1.1679E-05	1.2577E-02	1.7281E-01	2.1403E-06
3.2439E-07	2.5646E-02	1.2647E-05	1.2647E-05	1.2247E-02	1.7281E-01	1.9760E-06
3.5716E-07	2.6211E-02	1.3594E-05	1.3594E-05	1.1956E-02	1.7280E-01	1.8385E-06
3.8993E-07	2.6853E-02	1.4519E-05	1.4519E-05	1.1697E-02	1.7281E-01	1.7215E-06
4.2269E-07	2.7400E-02	1.5425E-05	1.5425E-05	1.1463E-02	1.7281E-01	1.6205E-06
4.5546E-07	2.7916E-02	1.6313E-05	1.6313E-05	1.1251E-02	1.7281E-01	1.5322E-06
5.2100E-07	2.8868E-02	1.8045E-05	1.8045E-05	1.0880E-02	1.7282E-01	1.3856E-06
5.8553E-07	2.9740E-02	1.9725E-05	1.9725E-05	1.0561E-02	1.7280E-01	1.2674E-06
6.5207E-07	3.0538E-02	2.1350E-05	2.1350E-05	1.0286E-02	1.7280E-01	1.1706E-06
7.1761E-07	3.1279E-02	2.2946E-05	2.2946E-05	1.0042E-02	1.7279E-01	1.0844E-06
7.8314E-07	3.1967E-02	2.4495E-05	2.4495E-05	9.8260E-03	1.7280E-01	1.0206E-06
8.4868E-07	3.2617E-02	2.6016E-05	2.6024E-05	9.6302E-03	1.7280E-01	9.6082E-06
9.1795E-07	3.3805E-02	2.8977E-05	2.8987E-05	9.2918E-03	1.7281E-01	8.6300E-06
1.1108E-06	3.4883E-02	3.1839E-05	3.1850E-05	9.0049E-03	1.7281E-01	7.8552E-06
1.2419E-06	3.5872E-02	3.4613E-05	3.4627E-05	8.7566E-03	1.7280E-01	7.2233E-06
1.3730E-06	3.6783E-02	3.7319E-05	3.7334E-05	8.5399E-03	1.7280E-01	6.7001E-06
1.5040E-06	3.7631E-02	3.9599E-05	3.9776E-05	8.3474E-03	1.7279E-01	6.2573E-06
1.6351E-06	3.8425E-02	4.2544E-05	4.2563E-05	8.1752E-03	1.7280E-01	5.8778E-06
1.7662E-06	3.9174E-02	4.5076E-05	4.5096E-05	8.0189E-03	1.7279E-01	5.5472E-06
1.8973E-06	3.9881E-02	4.7561E-05	4.7584E-05	7.8767E-03	1.7279E-01	5.2574E-06
2.0283E-06	4.0544E-02	5.0004E-05	5.0028E-05	7.7462E-03	1.7279E-01	5.0003E-06
2.2905E-06	4.1804E-02	5.4776E-05	5.4805E-05	7.5146E-03	1.7278E-01	4.5650E-06
2.5526E-06	4.2953E-02	5.9411E-05	5.9444E-05	7.3137E-03	1.7278E-01	4.2087E-06
2.8148E-06	4.4017E-02	6.3928E-05	6.3965E-05	7.1370E-03	1.7277E-01	3.9109E-06
3.0769E-06	4.5009E-02	6.8342E-05	6.8383E-05	6.9799E-03	1.7277E-01	3.6583E-06
3.3390E-06	4.5938E-02	7.2622E-05	7.2708E-05	6.8387E-03	1.7276E-01	3.4408E-06
3.8633E-06	4.7656E-02	8.1039E-05	8.1094E-05	6.5923E-03	1.7272E-01	3.0822E-06
4.3876E-06	4.9199E-02	8.9148E-05	8.9213E-05	6.3857E-03	1.7270E-01	2.8014E-06
5.0644E-06	5.0624E-02	9.6990E-05	9.7095E-05	6.2060E-03	1.7264E-01	2.5717E-06
5.4362E-06	5.1914E-02	1.0467E-04	1.0476E-04	6.0521E-03	1.7267E-01	2.3849E-06
5.9605E-06	5.3136E-02	1.1213E-04	1.1222E-04	5.9129E-03	1.7263E-01	2.2243E-06
6.4848E-06	5.4260E-02	1.1546E-04	1.1556E-04	5.7905E-03	1.7265E-01	2.0889E-06
7.0091E-06	5.5326E-02	1.2663E-04	1.2675E-04	5.6792E-03	1.7264E-01	1.9707E-06

7.5333E-04	5.6329E-02	1.3368E-04	1.3380E-04	5.5782E 01	1.7265E 01	1.8674E 03
8.0576E-04	5.7283E-02	1.4059E-04	1.4073E-04	5.4853E 01	1.7265E 01	1.7757E 03
8.5819E-04	5.8192E-02	1.4740E-04	1.4755E-04	5.3997E 01	1.7265E 01	1.6939E 03
9.1062E-04	5.9060E-02	1.5410E-04	1.5427E-04	5.3204E 01	1.7265E 01	1.6203E 03
1.0155E-05	6.0690E-02	1.6723E-04	1.6741E-04	5.1778E 01	1.7265E 01	1.4935E 03
1.1203E-05	6.2198E-02	1.8002E-04	1.8023E-04	5.0524E 01	1.7265E 01	1.3876E 03
1.2252E-05	6.3606E-02	1.9251E-04	1.9274E-04	4.9407E 01	1.7264E 01	1.2976E 03
1.3301E-05	6.4924E-02	2.0473E-04	2.0499E-04	4.8405E 01	1.7264E 01	1.2202E 03
1.5398E-05	6.7348E-02	2.2847E-04	2.2878E-04	4.6666E 01	1.7262E 01	1.0933E 03
1.7495E-05	6.9529E-02	2.5144E-04	2.5180E-04	4.5205E 01	1.7263E 01	9.9381E 02
1.9592E-05	7.1522E-02	2.7372E-04	2.7414E-04	4.3947E 01	1.7263E 01	9.1316E 02
2.1689E-05	7.3365E-02	2.9539E-04	2.9587E-04	4.2845E 01	1.7262E 01	8.4616E 02
2.3786E-05	7.5082E-02	3.1654E-04	3.1707E-04	4.1867E 01	1.7260E 01	7.8952E 02
2.7981E-05	7.8192E-02	3.5752E-04	3.5817E-04	4.0205E 01	1.7259E 01	6.9920E 02
3.2175E-05	8.0957E-02	3.9704E-04	3.9782E-04	3.8835E 01	1.7261E 01	6.3012E 02
3.6369E-05	8.3689E-02	4.3516E-04	4.3607E-04	3.7660E 01	1.7257E 01	5.7462E 02
4.0563E-05	8.5801E-02	4.7224E-04	4.7328E-04	3.6647E 01	1.7255E 01	5.2952E 02
4.8952E-05	8.9989E-02	5.4332E-04	5.4464E-04	3.4945E 01	1.7242E 01	4.5917E 02
5.7341E-05	9.3656E-02	6.1145E-04	6.1305E-04	3.3580E 01	1.7233E 01	4.0745E 02
6.5729E-05	9.6886E-02	6.7747E-04	6.7937E-04	3.2465E 01	1.7236E 01	3.6816E 02
7.4118E-05	9.9849E-02	7.4120E-04	7.4340E-04	3.1504E 01	1.7233E 01	3.3645E 02
8.2507E-05	1.0255E-01	8.0326E-04	8.0578E-04	3.0676E 01	1.7232E 01	3.1061E 02
9.0895E-05	1.0508E-01	8.6358E-04	8.6643E-04	2.9941E 01	1.7229E 01	2.8882E 02
9.9284E-05	1.0742E-01	9.2267E-04	9.2585E-04	2.9292E 01	1.7228E 01	2.7043E 02
1.0767E-04	1.0962E-01	9.8047E-04	9.8398E-04	2.8706E 01	1.7227E 01	2.5452E 02
1.1606E-04	1.1169E-01	1.0372E-03	1.0410E-03	2.8175E 01	1.7226E 01	2.4067E 02
1.2445E-04	1.1366E-01	1.0928E-03	1.0970E-03	2.7690E 01	1.7225E 01	2.2844E 02
1.4123E-04	1.1731E-01	1.2014E-03	1.2063E-03	2.6832E 01	1.7223E 01	2.0786E 02
1.5800E-04	1.2066E-01	1.3067E-03	1.3124E-03	2.6092E 01	1.7220E 01	1.9113E 02
1.7478E-04	1.2375E-01	1.4092E-03	1.4156E-03	2.5444E 01	1.7217E 01	1.7724E 02
1.9156E-04	1.2662E-01	1.5093E-03	1.5165E-03	2.4870E 01	1.7215E 01	1.6551E 02
2.0834E-04	1.2931E-01	1.6072E-03	1.6152E-03	2.4355E 01	1.7213E 01	1.5545E 02
2.4189E-04	1.3423E-01	1.7972E-03	1.8069E-03	2.3467E 01	1.7209E 01	1.3906E 02
2.7544E-04	1.3865E-01	1.9809E-03	1.9922E-03	2.2724E 01	1.7207E 01	1.2625E 02
3.0900E-04	1.4272E-01	2.1585E-03	2.1716E-03	2.2080E 01	1.7201E 01	1.1583E 02
3.4255E-04	1.4646E-01	2.3315E-03	2.3463E-03	2.1521E 01	1.7197E 01	1.0724E 02
4.0966E-04	1.5324E-01	2.6641E-03	2.6826E-03	2.0575E 01	1.7183E 01	9.3727E 01
4.7677E-04	1.5922E-01	2.9832E-03	3.0056E-03	1.9808E 01	1.7171E 01	8.3632E 01
5.4388E-04	1.6454E-01	3.2923E-03	3.3186E-03	1.9174E 01	1.7168E 01	7.5850E 01
6.1099E-04	1.6943E-01	3.5909E-03	3.6214E-03	1.8626E 01	1.7161E 01	6.9531E 01
6.7810E-04	1.7391E-01	3.8818E-03	3.9165E-03	1.8151E 01	1.7156E 01	6.4346E 01
7.4521E-04	1.7809E-01	4.1649E-03	4.2039E-03	1.7728E 01	1.7149E 01	5.9960E 01
8.7942E-04	1.8562E-01	4.7139E-03	4.7618E-03	1.7018E 01	1.7143E 01	5.3035E 01
1.0136E-03	1.9236E-01	5.2410E-03	5.2981E-03	1.6429E 01	1.7134E 01	4.7715E 01
1.1479E-03	1.9849E-01	5.7498E-03	5.8164E-03	1.5928E 01	1.7123E 01	4.3483E 01
1.2821E-03	2.0408E-01	6.2439E-03	6.3203E-03	1.5497E 01	1.7115E 01	4.0048E 01
1.4163E-03	2.0926E-01	6.7250E-03	6.8114E-03	1.5119E 01	1.7107E 01	3.7192E 01
1.5505E-03	2.1408E-01	7.1944E-03	7.2910E-03	1.4784E 01	1.7100E 01	3.4770E 01
1.6847E-03	2.1861E-01	7.6529E-03	7.7600E-03	1.4482E 01	1.7092E 01	3.2685E 01
1.8189E-03	2.2287E-01	8.1025E-03	8.2202E-03	1.4210E 01	1.7085E 01	3.0875E 01
2.0874E-03	2.3075E-01	8.9762E-03	9.1157E-03	1.3733E 01	1.7071E 01	2.7870E 01
2.3558E-03	2.3789E-01	9.8221E-03	9.9841E-03	1.3329E 01	1.7059E 01	2.5480E 01
2.6243E-03	2.4445E-01	1.0643E-02	1.0828E-02	1.2978E 01	1.7047E 01	2.3521E 01
2.8927E-03	2.5054E-01	1.1442E-02	1.1650E-02	1.2669E 01	1.7036E 01	2.1881E 01
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3.4296E-03	2.6155E-01	1.2984E-02	1.3241E-02	1.2147E 01	1.7015E 01	1.9287E 01
3.6980E-03	2.6659E-01	1.3731E-02	1.4013E-02	1.1923E 01	1.7005E 01	1.8239E 01
4.2349E-03	2.7588E-01	1.5184E-02	1.5517E-02	1.1532E 01	1.6987E 01	1.6500E 01
4.7717E-03	2.8433E-01	1.6589E-02	1.6975E-02	1.1198E 01	1.6970E 01	1.5107E 01
5.3086E-03	2.9214E-01	1.7952E-02	1.8392E-02	1.0907E 01	1.6952E 01	1.3960E 01
5.8455E-03	2.9936E-01	1.9279E-02	1.9774E-02	1.0652E 01	1.6937E 01	1.3002E 01
6.3824E-03	3.0612E-01	2.0574E-02	2.1125E-02	1.0424E 01	1.6921E 01	1.2185E 01

6.9192E-03	3.1245E-01	2.1840E-02	2.2449E-02	1.0219E-01	1.6907E-01	1.1481E-01
7.4561E-03	3.1846E-01	2.3080E-02	2.3747E-02	1.0033E-01	1.6893E-01	1.0865E-01
8.5298E-03	3.2953E-01	2.5492E-02	2.6278E-02	9.7080E-02	1.6868E-01	9.8411E-00
9.6036E-03	3.3966E-01	2.7820E-02	2.8728E-02	9.4295E-02	1.6842E-01	9.0176E-00
1.0677E-02	3.4897E-01	3.0080E-02	3.1113E-02	9.1879E-02	1.6818E-01	8.3412E-00
1.1751E-02	3.5762E-01	3.2279E-02	3.3439E-02	8.9752E-02	1.6796E-01	7.7744E-00
1.2825E-02	3.6569E-01	3.4425E-02	3.5715E-02	8.7859E-02	1.6776E-01	7.2921E-00
1.3899E-02	3.7329E-01	3.6521E-02	3.7943E-02	8.6153E-02	1.6756E-01	6.8748E-00
1.4972E-02	3.8047E-01	3.8574E-02	4.0130E-02	8.4606E-02	1.6737E-01	6.5105E-00
1.7120E-02	3.9380E-01	4.2558E-02	4.4389E-02	8.1888E-02	1.6700E-01	5.9019E-00
1.9267E-02	4.0596E-01	4.6405E-02	4.8516E-02	7.9567E-02	1.6665E-01	5.4130E-00
2.1415E-02	4.1713E-01	5.0140E-02	5.2537E-02	7.7560E-02	1.6634E-01	5.0125E-00
2.3562E-02	4.2752E-01	5.3769E-02	5.6458E-02	7.5789E-02	1.6605E-01	4.6760E-00
2.5710E-02	4.3724E-01	5.7308E-02	6.0293E-02	7.4213E-02	1.6577E-01	4.3893E-00
2.7857E-02	4.4641E-01	6.0760E-02	6.4046E-02	7.2789E-02	1.6549E-01	4.1406E-00
3.0005E-02	4.5506E-01	6.4140E-02	6.7731E-02	7.1502E-02	1.6523E-01	3.9239E-00
3.2152E-02	4.6328E-01	6.7451E-02	7.1350E-02	7.0324E-02	1.6498E-01	3.7324E-00
3.6447E-02	4.7858E-01	7.3894E-02	7.8420E-02	6.8247E-02	1.6452E-01	3.4096E-00
4.0742E-02	4.9263E-01	8.0121E-02	8.5287E-02	6.6457E-02	1.6409E-01	3.1469E-00
4.5037E-02	5.0568E-01	8.6154E-02	9.1970E-02	6.4887E-02	1.6366E-01	2.9278E-00
4.9332E-02	5.1784E-01	9.2027E-02	9.8503E-02	6.3500E-02	1.6328E-01	2.7427E-00
5.3627E-02	5.2928E-01	9.7749E-02	1.0489E-01	6.2257E-02	1.6290E-01	2.5836E-00
5.7922E-02	5.4005E-01	1.0334E-01	1.1116E-01	6.1137E-02	1.6255E-01	2.4454E-00
6.2217E-02	5.5030E-01	1.0881E-01	1.1731E-01	6.0115E-02	1.6221E-01	2.3237E-00
7.0807E-02	5.6933E-01	1.1942E-01	1.2931E-01	5.8320E-02	1.6158E-01	2.1196E-00
7.9397E-02	5.8683E-01	1.2965E-01	1.4095E-01	5.6779E-02	1.6098E-01	1.9542E-00
8.7987E-02	6.0301E-01	1.3955E-01	1.5227E-01	5.5440E-02	1.6042E-01	1.8173E-00
9.6577E-02	6.1811E-01	1.4916E-01	1.6333E-01	5.4258E-02	1.5990E-01	1.7020E-00
1.1376E-01	6.4560E-01	1.6765E-01	1.8475E-01	5.2261E-02	1.5896E-01	1.5178E-00
1.3094E-01	6.7027E-01	1.8532E-01	2.0538E-01	5.0621E-02	1.5812E-01	1.3767E-00
1.4812E-01	6.9300E-01	2.0220E-01	2.2527E-01	4.9223E-02	1.5728E-01	1.2633E-00
1.6530E-01	7.1389E-01	2.1849E-01	2.4460E-01	4.8025E-02	1.5653E-01	1.1710E-00
1.8248E-01	7.3336E-01	2.3424E-01	2.6341E-01	4.6976E-02	1.5581E-01	1.0938E-00
1.9966E-01	7.5148E-01	2.4956E-01	2.8180E-01	4.6056E-02	1.5518E-01	1.0287E-00
2.1684E-01	7.6870E-01	2.6442E-01	2.9975E-01	4.5226E-02	1.5454E-01	9.7226E-01
2.3402E-01	7.8495E-01	2.7891E-01	3.1735E-01	4.4481E-02	1.5395E-01	9.2320E-01
2.5120E-01	8.0043E-01	2.9305E-01	3.3460E-01	4.3804E-02	1.5339E-01	8.7994E-01
2.6838E-01	8.1521E-01	3.0688E-01	3.5154E-01	4.3185E-02	1.5285E-01	8.4154E-01
2.8556E-01	8.2937E-01	3.2041E-01	3.6819E-01	4.2615E-02	1.5234E-01	8.0714E-01
3.1991E-01	8.5605E-01	3.4670E-01	4.0073E-01	4.1602E-02	1.5137E-01	7.4807E-01
3.5427E-01	8.8089E-01	3.7204E-01	4.3232E-01	4.0723E-02	1.5047E-01	6.9900E-01
4.2299E-01	9.2622E-01	4.2030E-01	4.9308E-01	3.9263E-02	1.4882E-01	6.2180E-01
4.9171E-01	9.6698E-01	4.6590E-01	5.5111E-01	3.8091E-02	1.4736E-01	5.6354E-01
5.6043E-01	1.0039E-00	5.0946E-01	6.0701E-01	3.7129E-02	1.4607E-01	5.1810E-01
6.2915E-01	1.0383E-00	5.5102E-01	6.6083E-01	3.6309E-02	1.4486E-01	4.8105E-01
6.9787E-01	1.0703E-00	5.9107E-01	7.1302E-01	3.5608E-02	1.4377E-01	4.5048E-01
7.6659E-01	1.1004E-00	6.2966E-01	7.6363E-01	3.4994E-02	1.4274E-01	4.2458E-01
8.3531E-01	1.1288E-00	6.6708E-01	8.1295E-01	3.4455E-02	1.4179E-01	4.0244E-01
9.0403E-01	1.1558E-00	7.0335E-01	8.6099E-01	3.3973E-02	1.4089E-01	3.8316E-01
1.0415E-00	1.2061E-00	7.7308E-01	9.5392E-01	3.3154E-02	1.3927E-01	3.5131E-01
1.1789E-00	1.2526E-00	8.3939E-01	1.0429E-00	3.2475E-02	1.3779E-01	3.2582E-01
1.3162E-00	1.2960E-00	9.0285E-01	1.1286E-00	3.1902E-02	1.3644E-01	3.0491E-01
1.4538E-00	1.3367E-00	9.6390E-01	1.2114E-00	3.1413E-02	1.3521E-01	2.8742E-01
1.7287E-00	1.4114E-00	1.0800E-00	1.3696E-00	3.0619E-02	1.3304E-01	2.5969E-01
2.0035E-00	1.4793E-00	1.1893E-00	1.5194E-00	2.9999E-02	1.3116E-01	2.3851E-01
2.2784E-00	1.5423E-00	1.2928E-00	1.6618E-00	2.9498E-02	1.2946E-01	2.2160E-01
2.5533E-00	1.6013E-00	1.3912E-00	1.7977E-00	2.9083E-02	1.2792E-01	2.0770E-01
2.8282E-00	1.6568E-00	1.4857E-00	1.9284E-00	2.8736E-02	1.2652E-01	1.9608E-01
3.1031E-00	1.7093E-00	1.5766E-00	2.0543E-00	2.8441E-02	1.2523E-01	1.8615E-01
3.3779E-00	1.7592E-00	1.6643E-00	2.1759E-00	2.8187E-02	1.2405E-01	1.7757E-01
3.6528E-00	1.8070E-00	1.7492E-00	2.2937E-00	2.7966E-02	1.2295E-01	1.7002E-01
3.9277E-00	1.8528E-00	1.8317E-00	2.4080E-00	2.7773E-02	1.2193E-01	1.6333E-01

4.2026E 00	1.8969E 00	1.9118E 00	2.5192E 00	2.7602E 00	1.2097E 01	1.5735E-01
4.7523E 00	1.9804E 00	2.0661E 00	2.7332E 00	2.7314E 00	1.1921E 01	1.4705E-01
5.3021E 00	2.0589E 00	2.2133E 00	2.9372E 00	2.7082E 00	1.1764E 01	1.3845E-01
5.8518E 00	2.1329E 00	2.3545E 00	3.1326E 00	2.6890E 00	1.1622E 01	1.3111E-01
6.4016E 00	2.2032E 00	2.4905E 00	3.3207E 00	2.6730E 00	1.1493E 01	1.2477E-01
6.9513E 00	2.2702E 00	2.6219E 00	3.5021E 00	2.6595E 00	1.1374E 01	1.1918E-01
8.0509E 00	2.3960E 00	2.8725E 00	3.8476E 00	2.6378E 00	1.1162E 01	1.0976E-01
9.1504E 00	2.5121E 00	3.1104E 00	4.1748E 00	2.6214E 00	1.0980E 01	1.0209E-01
1.0250E 01	2.6208E 00	3.3366E 00	4.4852E 00	2.6084E 00	1.0817E 01	9.5612E-02
1.1349E 01	2.7228E 00	3.5537E 00	4.7828E 00	2.5980E 00	1.0674E 01	9.0078E-02
1.2449E 01	2.8193E 00	3.7627E 00	5.0686E 00	2.5894E 00	1.0544E 01	8.5253E-02
1.3548E 01	2.9106E 00	3.9649E 00	5.3448E 00	2.5823E 00	1.0427E 01	8.1004E-02
1.4648E 01	2.9976E 00	4.1609E 00	5.6122E 00	2.5762E 00	1.0321E 01	7.7213E-02
1.6847E 01	3.1599E 00	4.5375E 00	6.1254E 00	2.5663E 00	1.0134E 01	7.0723E-02
1.9046E 01	3.3095E 00	4.8964E 00	6.6136E 00	2.5586E 00	9.9743E 00	6.5323E-02
2.1245E 01	3.4480E 00	5.2411E 00	7.0820E 00	2.5524E 00	9.8364E 00	6.0743E-02
2.3444E 01	3.5771E 00	5.5740E 00	7.5340E 00	2.5472E 00	9.7163E 00	5.6795E-02
2.5643E 01	3.6980E 00	5.8967E 00	7.9718E 00	2.5428E 00	9.6104E 00	5.3342E-02
2.7842E 01	3.8119E 00	6.2105E 00	8.3973E 00	2.5391E 00	9.5161E 00	5.0290E-02
3.2240E 01	4.0214E 00	6.8162E 00	9.2181E 00	2.5328E 00	9.3562E 00	4.5120E-02
3.6638E 01	4.2103E 00	7.3980E 00	1.0006E 01	2.5279E 00	9.2262E 00	4.0892E-02
4.1036E 01	4.3820E 00	7.9610E 00	1.0768E 01	2.5238E 00	9.1191E 00	3.7359E-02
4.5434E 01	4.5393E 00	8.5086E 00	1.1510E 01	2.5205E 00	9.0298E 00	3.4352E-02
4.9832E 01	4.6850E 00	9.0418E 00	1.2231E 01	2.5176E 00	8.9532E 00	3.1744E-02
5.4230E 01	4.8194E 00	9.5652E 00	1.2940E 01	2.5152E 00	8.8893E 00	2.9476E-02
5.8628E 01	4.9447E 00	1.0079E 01	1.3635E 01	2.5131E 00	8.8345E 00	2.7470E-02
6.3026E 01	5.0615E 00	1.0585E 01	1.4320E 01	2.5114E 00	8.7882E 00	2.5690E-02

A = 10.0000E-04

B = 3.0000E-03

EPS = 10.0000E-05

GAM = 10.0000E-02

X	Y	NUC	NLW	ETAMP	NURATIO	DY/DX
0.	4.0000E-03	0.	0.	8.3334E 02	0.	5.1673E 06
10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	5.2201E 02	2.6826E 00	5.2596E 06
2.0000E-12	4.0105E-03	4.9869E-10	4.9870E-10	5.7027E 02	3.1859E 00	5.0709E 06
3.0000E-12	4.0154E-03	7.4711E-10	7.4712E-10	5.9439E 02	3.5214E 00	5.1458E 06
4.0000E-12	4.0206E-03	9.9487E-10	9.9487E-10	6.0968E 02	3.7791E 00	5.2510E 06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	6.2861E 02	4.1711E 00	5.1792E 06
8.0000E-12	4.0417E-03	1.9794E-09	1.9794E-09	6.4026E 02	4.4707E 00	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	6.4823E 02	4.7155E 00	4.9651E 06
1.4000E-11	4.0711E-03	3.4388E-09	3.4389E-09	6.5839E 02	5.1049E 00	4.9653E 06
2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	6.6761E 02	5.6604E 00	4.7985E 06
3.0000E-11	4.1486E-03	7.2314E-09	7.2314E-09	6.7093E 02	6.0611E 00	4.7803E 06
3.8000E-11	4.1867E-03	9.0763E-09	9.0763E-09	6.7121E 02	6.3715E 00	4.5731E 06
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	6.7042E 02	6.6276E 00	4.4351E 06
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	6.6858E 02	6.8417E 00	4.3282E 06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	6.6620E 02	7.0255E 00	4.2018E 06
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	6.6357E 02	7.1866E 00	4.2010E 06
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	6.5716E 02	7.4503E 00	3.9503E 06
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-08	6.5126E 02	7.6710E 00	3.7471E 06
1.1800E-10	4.5098E-03	2.6165E-08	2.6166E-08	6.4501E 02	7.8521E 00	3.6882E 06
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-08	6.3824E 02	7.9992E 00	3.4591E 06
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	6.3251E 02	8.1347E 00	3.3607E 06
1.6600E-10	4.6752E-03	3.5506E-08	3.5507E-08	6.2655E 02	8.2489E 00	3.3017E 06
1.8200E-10	4.7278E-03	3.8495E-08	3.8496E-08	6.2058E 02	8.3469E 00	3.1505E 06
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-08	6.1517E 02	8.4379E 00	3.1024E 06
2.1400E-10	4.8257E-03	4.4346E-08	4.4346E-08	6.0964E 02	8.5156E 00	2.9943E 06
2.3000E-10	4.8723E-03	4.7205E-08	4.7206E-08	6.0448E 02	8.5875E 00	2.8467E 06
2.4600E-10	4.9165E-03	5.0035E-08	5.0036E-08	5.9965E 02	8.6546E 00	2.8071E 06
2.6200E-10	4.9611E-03	5.2810E-08	5.2811E-08	5.9478E 02	8.7130E 00	2.7192E 06
2.7800E-10	5.0036E-03	5.5560E-08	5.5560E-08	5.9021E 02	8.7680E 00	2.6614E 06
2.9400E-10	5.0459E-03	5.8265E-08	5.8265E-08	5.8568E 02	8.8169E 00	2.6123E 06
3.1000E-10	5.0874E-03	6.0935E-08	6.0935E-08	5.8128E 02	8.8617E 00	2.5539E 06

3.2600E-10	5.1277E-03	6.3576E-08	5.7705E-02	8.9033E-00	2.4836E-06
3.5800E-10	5.2044E-03	6.8788E-08	7.8922E-08	8.9799E-00	2.3516E-06
4.2200E-10	5.3471E-03	7.8922E-08	7.8922E-08	9.1071E-00	2.1933E-06
4.8600E-10	5.4869E-03	8.8575E-08	8.8575E-08	9.1940E-00	2.0209E-06
5.5000E-10	5.6104E-03	9.8031E-08	9.8031E-08	9.2799E-00	1.8908E-06
6.1400E-10	5.7284E-03	1.0718E-07	1.0718E-07	9.3363E-00	1.7728E-06
6.7800E-10	5.8384E-03	1.1613E-07	1.1613E-07	9.3903E-00	1.6687E-06
7.4200E-10	5.9423E-03	1.2487E-07	1.2487E-07	9.4366E-00	1.5844E-06
8.0600E-10	6.0418E-03	1.3340E-07	1.3340E-07	9.4752E-00	1.5080E-06
8.7000E-10	6.1360E-03	1.4178E-07	1.4178E-07	9.5096E-00	1.4473E-06
9.3400E-10	6.2272E-03	1.4999E-07	1.4999E-07	9.5381E-00	1.3810E-06
9.9800E-10	6.3124E-03	1.5808E-07	1.5808E-07	9.5650E-00	1.3287E-06
1.0620E-09	6.3971E-03	1.6601E-07	1.6601E-07	9.5877E-00	1.2737E-06
1.1260E-09	6.4768E-03	1.7385E-07	1.7385E-07	9.6093E-00	1.2213E-06
1.1900E-09	6.5534E-03	1.8158E-07	1.8158E-07	9.6292E-00	1.1932E-06
1.2540E-09	6.6300E-03	1.8914E-07	1.8914E-07	9.6434E-00	1.1447E-06
1.3820E-09	6.7707E-03	2.0412E-07	2.0412E-07	9.6753E-00	1.0742E-06
1.5100E-09	6.9039E-03	2.1872E-07	2.1872E-07	9.7011E-00	1.0139E-06
1.5740E-09	6.9679E-03	2.2589E-07	2.2589E-07	9.7122E-00	9.8485E-05
1.7020E-09	7.0902E-03	2.4005E-07	2.4005E-07	9.7331E-00	9.3329E-05
1.8300E-09	7.2067E-03	2.5393E-07	2.5393E-07	9.7509E-00	8.8832E-05
1.9580E-09	7.3179E-03	2.6757E-07	2.6757E-07	9.7665E-00	8.4940E-05
2.0860E-09	7.4244E-03	2.8097E-07	2.8097E-07	9.7799E-00	8.1602E-05
2.3420E-09	7.6263E-03	3.0709E-07	3.0709E-07	9.8006E-00	7.5263E-05
2.5980E-09	7.8094E-03	3.3267E-07	3.3267E-07	9.8223E-00	7.0002E-05
2.8540E-09	7.9832E-03	3.5750E-07	3.5750E-07	9.8369E-00	6.5588E-05
3.1100E-09	8.1459E-03	3.8178E-07	3.8178E-07	9.8496E-00	6.1712E-05
3.3870E-09	8.2994E-03	4.0557E-07	4.0557E-07	9.8605E-00	5.8289E-05
3.8780E-09	8.5820E-03	4.5187E-07	4.5187E-07	9.8794E-00	5.2731E-05
4.3900E-09	8.8439E-03	4.9638E-07	4.9638E-07	9.8887E-00	4.8186E-05
4.9020E-09	9.0798E-03	5.3987E-07	5.3987E-07	9.9010E-00	4.4518E-05
5.4140E-09	9.3019E-03	5.8202E-07	5.8202E-07	9.9077E-00	4.1399E-05
5.9260E-09	9.5061E-03	6.2338E-07	6.2338E-07	9.9164E-00	3.8841E-05
6.4500E-09	9.8844E-03	7.0312E-07	7.0312E-07	9.9245E-00	3.4499E-05
7.9740E-09	1.0218E-02	7.8039E-07	7.8041E-07	9.9363E-00	3.1262E-05
8.9980E-09	1.0525E-02	8.5488E-07	8.5491E-07	9.9419E-00	2.8597E-05
1.0022E-08	1.0804E-02	9.2763E-07	9.2763E-07	9.9501E-00	2.6424E-05
1.1046E-08	1.1065E-02	9.9827E-07	9.9830E-07	9.9544E-00	2.4409E-05
1.2070E-08	1.1308E-02	1.0673E-06	1.0674E-06	9.9583E-00	2.3044E-05
1.3094E-08	1.1537E-02	1.1349E-06	1.1350E-06	9.9616E-00	2.1708E-05
1.4118E-08	1.1754E-02	1.2011E-06	1.2011E-06	9.9637E-00	2.0519E-05
1.5142E-08	1.1958E-02	1.2662E-06	1.2663E-06	9.9665E-00	1.9490E-05
1.6166E-08	1.2153E-02	1.3302E-06	1.3302E-06	9.9683E-00	1.8576E-05
1.7190E-08	1.2339E-02	1.3931E-06	1.3932E-06	9.9701E-00	1.7735E-05
1.9238E-08	1.2686E-02	1.5165E-06	1.5165E-06	9.9743E-00	1.6329E-05
2.1286E-08	1.3011E-02	1.6350E-06	1.6360E-06	9.9739E-00	1.5129E-05
2.3334E-08	1.3309E-02	1.7532E-06	1.7533E-06	9.9717E-00	1.4132E-05
2.5382E-08	1.3590E-02	1.8676E-06	1.8677E-06	9.9786E-00	1.3282E-05
2.7430E-08	1.3854E-02	1.9799E-06	1.9800E-06	9.9803E-00	1.2535E-05
2.9478E-08	1.4104E-02	2.0902E-06	2.0902E-06	9.9817E-00	1.1882E-05
3.1526E-08	1.4341E-02	2.1982E-06	2.1983E-06	9.9824E-00	1.1299E-05
3.3574E-08	1.4567E-02	2.3047E-06	2.3049E-06	9.9836E-00	1.0782E-05
3.5622E-08	1.4783E-02	2.4097E-06	2.4097E-06	9.9844E-00	1.0317E-05
3.7670E-08	1.4990E-02	2.5129E-06	2.5131E-06	9.9852E-00	9.8950E-04
4.1766E-08	1.5380E-02	2.7156E-06	2.7158E-06	9.9866E-00	9.1613E-04
4.5862E-08	1.5742E-02	2.9134E-06	2.9134E-06	9.9873E-00	8.5422E-04
4.9958E-08	1.6081E-02	3.1065E-06	3.1067E-06	9.9882E-00	8.0125E-04
5.4054E-08	1.6400E-02	3.2959E-06	3.2961E-06	9.9890E-00	7.5544E-04
5.8244E-08	1.6686E-02	3.4643E-06	3.4646E-06	9.9903E-00	6.7995E-04
6.2244E-08	1.6986E-02	3.6643E-06	3.6646E-06	9.9921E-00	6.2010E-04

7.8630E-08	1.8005E-02	4.3670E-06	4.3675E-06	1.6662E-02	9.9923E-00	5.7104E-04
8.6822E-08	1.8455E-02	4.7042E-06	4.7047E-06	1.6255E-02	9.9928E-00	5.3021E-04
9.5014E-08	1.8875E-02	5.0335E-06	5.0340E-06	1.5894E-02	9.9931E-00	4.9558E-04
1.0321E-07	1.9268E-02	5.3561E-06	5.3567E-06	1.5570E-02	9.9940E-00	4.6592E-04
1.1140E-07	1.9639E-02	5.6719E-06	5.6726E-06	1.5276E-02	9.9941E-00	4.3998E-04
1.2778E-07	2.0322E-02	6.2875E-06	6.2883E-06	1.4763E-02	9.9954E-00	3.9710E-04
1.4417E-07	2.0943E-02	6.8833E-06	6.8842E-06	1.4325E-02	9.9959E-00	3.6283E-04
1.6055E-07	2.1515E-02	7.4618E-06	7.4628E-06	1.3944E-02	9.9956E-00	3.3466E-04
1.7693E-07	2.2043E-02	8.0263E-06	8.0274E-06	1.3611E-02	9.9960E-00	3.1118E-04
1.9332E-07	2.2536E-02	8.5775E-06	8.5788E-06	1.3313E-02	9.9961E-00	2.9120E-04
2.0970E-07	2.2998E-02	9.1176E-06	9.1191E-06	1.3045E-02	9.9966E-00	2.7402E-04
2.2609E-07	2.3435E-02	9.6467E-06	9.6483E-06	1.2802E-02	9.9964E-00	2.5897E-04
2.5885E-07	2.4239E-02	1.0678E-05	1.0680E-05	1.2378E-02	9.9972E-00	2.3405E-04
2.9162E-07	2.4972E-02	1.1677E-05	1.1679E-05	1.2014E-02	9.9973E-00	2.1403E-04
3.2439E-07	2.5646E-02	1.2647E-05	1.2650E-05	1.1699E-02	9.9971E-00	1.9760E-04
3.5716E-07	2.6271E-02	1.3594E-05	1.3597E-05	1.1421E-02	9.9970E-00	1.8385E-04
3.8993E-07	2.6853E-02	1.4519E-05	1.4522E-05	1.1173E-02	9.9972E-00	1.7215E-04
4.2269E-07	2.7400E-02	1.5425E-05	1.5429E-05	1.0950E-02	9.9972E-00	1.6205E-04
4.5546E-07	2.7916E-02	1.6313E-05	1.6317E-05	1.0748E-02	9.9972E-00	1.5322E-04
5.2100E-07	2.8868E-02	1.8045E-05	1.8050E-05	1.0393E-02	9.9978E-00	1.3856E-04
5.8653E-07	2.9740E-02	1.9720E-05	1.9725E-05	1.0089E-02	9.9966E-00	1.2674E-04
6.5207E-07	3.0538E-02	2.1350E-05	2.1356E-05	9.8253E-01	9.9965E-00	1.1706E-04
7.1761E-07	3.1279E-02	2.2939E-05	2.2946E-05	9.5925E-01	9.9961E-00	1.0894E-04
7.8314E-07	3.1967E-02	2.4495E-05	2.4502E-05	9.3862E-01	9.9970E-00	1.0206E-04
8.4868E-07	3.2617E-02	2.6016E-05	2.6024E-05	9.1992E-01	9.9965E-00	9.6082E-03
9.7975E-07	3.3805E-02	2.8977E-05	2.8987E-05	8.8760E-01	9.9975E-00	8.6300E-03
1.1108E-06	3.4883E-02	3.1839E-05	3.1850E-05	8.6020E-01	9.9976E-00	7.8552E-03
1.2419E-06	3.5872E-02	3.4613E-05	3.4627E-05	8.3647E-01	9.9966E-00	7.2233E-03
1.3730E-06	3.6783E-02	3.7319E-05	3.7334E-05	8.1577E-01	9.9967E-00	6.7001E-03
1.5040E-06	3.7631E-02	3.9959E-05	3.9976E-05	7.9738E-01	9.9964E-00	6.2573E-03
1.6351E-06	3.8425E-02	4.2544E-05	4.2563E-05	7.8092E-01	9.9966E-00	5.8778E-03
1.7662E-06	3.9174E-02	4.5076E-05	4.5096E-05	7.6600E-01	9.9962E-00	5.5472E-03
1.8973E-06	3.9881E-02	4.7561E-05	4.7584E-05	7.5242E-01	9.9961E-00	5.2574E-03
2.0283E-06	4.0554E-02	5.0004E-05	5.0028E-05	7.3995E-01	9.9959E-00	5.0003E-03
2.2905E-06	4.1804E-02	5.4776E-05	5.4805E-05	7.1783E-01	9.9958E-00	4.5650E-03
2.5526E-06	4.2953E-02	5.9411E-05	5.9444E-05	6.9864E-01	9.9954E-00	4.2087E-03
2.8148E-06	4.4017E-02	6.3928E-05	6.3965E-05	6.8175E-01	9.9950E-00	3.9109E-03
3.0769E-06	4.5009E-02	6.8342E-05	6.8383E-05	6.6675E-01	9.9948E-00	3.6583E-03
3.3390E-06	4.5938E-02	7.2662E-05	7.2708E-05	6.5326E-01	9.9946E-00	3.4408E-03
3.8633E-06	4.7656E-02	8.1039E-05	8.1094E-05	6.2971E-01	9.9918E-00	3.0822E-03
4.3876E-06	4.9199E-02	8.9148E-05	8.9213E-05	6.0997E-01	9.9911E-00	2.8014E-03
4.9119E-06	5.0624E-02	9.6990E-05	9.7065E-05	5.9280E-01	9.9876E-00	2.5717E-03
5.4362E-06	5.1914E-02	1.0467E-04	1.0476E-04	5.7810E-01	9.9894E-00	2.3849E-03
5.9605E-06	5.3136E-02	1.1213E-04	1.1222E-04	5.6480E-01	9.9867E-00	2.2243E-03
6.4848E-06	5.4260E-02	1.1946E-04	1.1956E-04	5.5311E-01	9.9878E-00	2.0889E-03
7.0091E-06	5.5326E-02	1.2663E-04	1.2675E-04	5.4248E-01	9.9876E-00	1.9707E-03
7.5333E-06	5.6329E-02	1.3368E-04	1.3380E-04	5.3282E-01	9.9881E-00	1.8674E-03
8.0576E-06	5.7283E-02	1.4059E-04	1.4073E-04	5.2396E-01	9.9881E-00	1.7757E-03
8.5819E-06	5.8192E-02	1.4740E-04	1.4755E-04	5.1579E-01	9.9881E-00	1.6939E-03
9.1062E-06	5.9060E-02	1.5410E-04	1.5427E-04	5.0821E-01	9.9881E-00	1.6203E-03
1.0155E-05	6.0690E-02	1.6723E-04	1.6741E-04	4.9459E-01	9.9881E-00	1.4935E-03
1.1203E-05	6.2198E-02	1.8002E-04	1.8023E-04	4.8261E-01	9.9881E-00	1.3876E-03
1.2252E-05	6.3606E-02	1.9251E-04	1.9274E-04	4.7194E-01	9.9876E-00	1.2976E-03
1.3301E-05	6.4924E-02	2.0473E-04	2.0499E-04	4.6237E-01	9.9875E-00	1.2202E-03
1.5398E-05	6.7348E-02	2.2847E-04	2.2878E-04	4.4575E-01	9.9865E-00	1.0933E-03
1.7495E-05	6.9529E-02	2.5144E-04	2.5180E-04	4.3175E-01	9.9866E-00	9.9381E-02
1.9592E-05	7.1522E-02	2.7372E-04	2.7414E-04	4.1978E-01	9.9867E-00	9.1316E-02
2.1689E-05	7.3365E-02	2.9539E-04	2.9587E-04	4.0925E-01	9.9860E-00	8.4616E-02
2.3786E-05	7.5082E-02	3.1654E-04	3.1707E-04	3.9991E-01	9.9850E-00	7.8952E-02
2.7981E-05	7.8192E-02	3.5752E-04	3.5817E-04	3.8404E-01	9.9845E-00	6.9920E-02
3.2175E-05	8.0957E-02	3.9704E-04	3.9782E-04	3.7095E-01	9.9856E-00	6.3012E-02
3.6369E-05	8.3489E-02	4.3516E-04	4.3607E-04	3.5972E-01	9.9832E-00	5.7462E-02

4.0563E-05	8.5801E-02	4.7224E-04	4.7328E-04	3.5005E 01	9.9824E 00	5.2952E 02
4.8952E-05	8.9989E-02	5.4332E-04	5.4464E-04	3.3378E 01	9.9748E 00	4.5917E 02
5.7341E-05	9.3656E-02	6.1145E-04	6.1305E-04	3.2073E 01	9.9697E 00	4.0745E 02
6.5729E-05	9.6886E-02	6.7747E-04	6.7937E-04	3.1068E 01	9.9711E 00	3.6816E 02
7.4118E-05	9.9849E-02	7.4120E-04	7.4340E-04	3.0090E 01	9.9693E 00	3.3645E 02
8.2507E-05	1.0255E-01	8.0326E-04	8.0578E-04	2.9299E 01	9.9692E 00	3.1061E 02
9.0895E-05	1.0508E-01	8.6358E-04	8.6643E-04	2.8597E 01	9.9672E 00	2.8882E 02
9.9284E-05	1.0742E-01	9.2267E-04	9.2585E-04	2.7977E 01	9.9669E 00	2.7043E 02
1.0767E-04	1.0962E-01	9.8047E-04	9.8398E-04	2.7417E 01	9.9662E 00	2.5452E 02
1.1606E-04	1.1169E-01	1.0372E-03	1.0410E-03	2.6910E 01	9.9657E 00	2.4067E 02
1.2445E-04	1.1366E-01	1.0928E-03	1.0970E-03	2.6447E 01	9.9649E 00	2.2844E 02
1.4123E-04	1.1731E-01	1.2014E-03	1.2063E-03	2.5627E 01	9.9637E 00	2.0786E 02
1.5800E-04	1.2066E-01	1.3067E-03	1.3124E-03	2.4920E 01	9.9621E 00	1.9113E 02
1.7478E-04	1.2375E-01	1.4092E-03	1.4156E-03	2.4301E 01	9.9604E 00	1.7724E 02
1.9156E-04	1.2662E-01	1.5093E-03	1.5165E-03	2.3752E 01	9.9591E 00	1.6551E 02
2.0834E-04	1.2931E-01	1.6072E-03	1.6152E-03	2.3261E 01	9.9577E 00	1.5545E 02
2.4189E-04	1.3423E-01	1.7572E-03	1.8069E-03	2.2413E 01	9.9555E 00	1.3906E 02
2.7544E-04	1.3865E-01	1.9809E-03	1.9922E-03	2.1702E 01	9.9543E 00	1.2625E 02
3.0900E-04	1.4272E-01	2.1585E-03	2.1716E-03	2.1087E 01	9.9509E 00	1.1583E 02
3.4255E-04	1.4646E-01	2.3315E-03	2.3463E-03	2.0553E 01	9.9485E 00	1.0724E 02
4.0966E-04	1.5324E-01	2.6641E-03	2.6826E-03	1.9649E 01	9.9404E 00	9.3728E 01
4.7677E-04	1.5922E-01	2.9832E-03	3.0056E-03	1.8916E 01	9.9339E 00	8.3634E 01
5.4388E-04	1.6454E-01	3.2923E-03	3.3187E-03	1.8310E 01	9.9321E 00	7.5852E 01
6.1099E-04	1.6943E-01	3.5910E-03	3.6214E-03	1.7786E 01	9.9279E 00	6.9532E 01
6.7810E-04	1.7391E-01	3.8819E-03	3.9165E-03	1.7332E 01	9.9253E 00	6.4347E 01
7.4521E-04	1.7809E-01	4.1649E-03	4.2039E-03	1.6929E 01	9.9213E 00	5.9961E 01
8.7942E-04	1.8562E-01	4.7139E-03	4.7618E-03	1.6250E 01	9.9176E 00	5.3035E 01
1.0136E-03	1.9236E-01	5.2411E-03	5.2981E-03	1.5687E 01	9.9124E 00	4.7715E 01
1.1479E-03	1.9849E-01	5.7498E-03	5.8164E-03	1.5208E 01	9.9062E 00	4.3483E 01
1.2821E-03	2.0408E-01	6.2439E-03	6.3203E-03	1.4796E 01	9.9014E 00	4.0049E 01
1.4163E-03	2.0926E-01	6.7250E-03	6.8114E-03	1.4436E 01	9.8969E 00	3.7192E 01
1.5505E-03	2.1408E-01	7.1944E-03	7.2910E-03	1.4115E 01	9.8925E 00	3.4770E 01
1.6847E-03	2.1861E-01	7.6529E-03	7.7600E-03	1.3827E 01	9.8879E 00	3.2685E 01
1.8189E-03	2.2287E-01	8.1025E-03	8.2202E-03	1.3566E 01	9.8838E 00	3.0875E 01
2.0874E-03	2.3075E-01	8.9762E-03	9.1157E-03	1.3110E 01	9.8756E 00	2.7870E 01
2.3558E-03	2.3789E-01	9.8222E-03	9.9841E-03	1.2724E 01	9.8690E 00	2.5481E 01
2.6243E-03	2.4445E-01	1.0643E-02	1.0828E-02	1.2389E 01	9.8622E 00	2.3521E 01
2.8927E-03	2.5054E-01	1.1442E-02	1.1650E-02	1.2094E 01	9.8556E 00	2.1881E 01
3.1611E-03	2.5622E-01	1.2221E-02	1.2454E-02	1.1831E 01	9.8492E 00	2.0487E 01
3.4296E-03	2.6155E-01	1.2984E-02	1.3241E-02	1.1595E 01	9.8433E 00	1.9287E 01
3.6980E-03	2.6659E-01	1.3731E-02	1.4013E-02	1.1381E 01	9.8375E 00	1.8239E 01
4.2349E-03	2.7587E-01	1.5184E-02	1.5518E-02	1.1007E 01	9.8273E 00	1.6501E 01
4.7717E-03	2.8430E-01	1.6591E-02	1.6977E-02	1.0688E 01	9.8183E 00	1.5112E 01
5.3086E-03	2.9211E-01	1.7953E-02	1.8393E-02	1.0410E 01	9.8079E 00	1.3964E 01
5.8455E-03	2.9934E-01	1.9280E-02	1.9775E-02	1.0165E 01	9.7987E 00	1.3004E 01
6.3824E-03	3.0611E-01	2.0574E-02	2.1126E-02	9.9472E 00	9.7895E 00	1.2186E 01
6.9192E-03	3.1246E-01	2.1840E-02	2.2449E-02	9.7513E 00	9.7811E 00	1.1481E 01
7.4561E-03	3.1846E-01	2.3080E-02	2.3747E-02	9.5734E 00	9.7729E 00	1.0865E 01
8.5298E-03	3.2954E-01	2.5491E-02	2.6277E-02	9.2621E 00	9.7579E 00	9.8405E 00
9.6036E-03	3.3966E-01	2.7820E-02	2.8728E-02	8.9958E 00	9.7433E 00	9.0173E 00
1.0677E-02	3.4898E-01	3.0080E-02	3.1113E-02	8.7647E 00	9.7297E 00	8.3412E 00
1.1751E-02	3.5761E-01	3.2279E-02	3.3440E-02	8.5614E 00	9.7172E 00	7.7749E 00
1.3899E-02	3.7323E-01	3.6527E-02	3.7949E-02	8.2183E 00	9.6952E 00	6.8780E 00
1.6046E-02	3.8714E-01	4.0601E-02	4.2293E-02	7.9368E 00	9.6758E 00	6.1956E 00
1.8194E-02	3.9990E-01	4.4511E-02	4.6480E-02	7.6960E 00	9.6539E 00	5.6495E 00
2.0341E-02	4.1154E-01	4.8300E-02	5.0553E-02	7.4896E 00	9.6347E 00	5.2076E 00
2.2488E-02	4.2235E-01	5.1976E-02	5.4517E-02	7.3086E 00	9.6162E 00	4.8395E 00
2.4636E-02	4.3233E-01	5.5566E-02	5.8402E-02	7.1498E 00	9.6008E 00	4.5309E 00
2.6783E-02	4.4179E-01	5.9057E-02	6.2192E-02	7.0059E 00	9.5840E 00	4.2632E 00
2.8931E-02	4.5068E-01	6.2476E-02	6.5912E-02	6.8766E 00	9.5689E 00	4.0316E 00
3.1078E-02	4.5912E-01	6.5820E-02	6.9564E-02	6.7587E 00	9.5540E 00	3.8277E 00
3.3226E-02	4.6713E-01	6.9100E-02	7.3154E-02	6.6507E 00	9.5399E 00	3.6472E 00

3.5373E-02	4.7479E-01	7.2319E-02	7.6687E-02	6.5511E 00	9.5261E 00	3.4858E 00
3.9668E-02	4.8914E-01	7.8596E-02	8.3600E-02	6.3732E 00	9.5003E 00	3.2094E 00
4.3963E-02	5.0242E-01	8.4676E-02	9.0328E-02	6.2180E 00	9.4758E 00	2.9804E 00
4.8258E-02	5.1481E-01	9.0586E-02	9.6895E-02	6.0809E 00	9.4526E 00	2.7873E 00
5.2553E-02	5.2641E-01	9.6344E-02	1.0332E-01	5.9585E 00	9.4308E 00	2.6221E 00
6.1143E-02	5.4772E-01	1.0747E-01	1.1580E-01	5.7482E 00	9.3904E 00	2.3535E 00
6.9733E-02	5.6691E-01	1.1615E-01	1.2786E-01	5.5730E 00	9.3544E 00	2.1441E 00
7.8323E-02	5.8463E-01	1.2841E-01	1.3953E-01	5.4222E 00	9.3187E 00	1.9740E 00
8.6913E-02	6.0096E-01	1.3835E-01	1.5090E-01	5.2915E 00	9.2862E 00	1.8339E 00
1.0409E-01	6.3072E-01	1.5731E-01	1.7276E-01	5.0718E 00	9.2230E 00	1.6136E 00
1.2127E-01	6.5691E-01	1.7541E-01	1.9381E-01	4.8966E 00	9.1709E 00	1.4506E 00
1.3845E-01	6.8063E-01	1.9273E-01	2.1411E-01	4.7506E 00	9.1230E 00	1.3231E 00
1.5563E-01	7.0245E-01	2.0936E-01	2.3376E-01	4.6257E 00	9.0778E 00	1.2202E 00
1.7281E-01	7.2269E-01	2.2540E-01	2.5285E-01	4.5174E 00	9.0353E 00	1.1351E 00
1.8999E-01	7.4151E-01	2.4097E-01	2.7148E-01	4.4225E 00	8.9965E 00	1.0638E 00
2.0717E-01	7.5925E-01	2.5607E-01	2.8966E-01	4.3379E 00	8.9593E 00	1.0026E 00
2.4153E-01	7.9176E-01	2.8516E-01	3.2495E-01	4.1941E 00	8.8926E 00	9.0376E-01
2.7589E-01	8.2132E-01	3.1290E-01	3.5892E-01	4.0745E 00	8.8314E 00	8.2643E-01
3.1025E-01	8.4866E-01	3.3945E-01	3.9171E-01	3.9723E 00	8.7732E 00	7.6373E-01
3.4461E-01	8.7395E-01	3.6505E-01	4.2358E-01	3.8844E 00	8.7203E 00	7.1218E-01
3.7897E-01	8.9767E-01	3.8979E-01	4.5456E-01	3.8072E 00	8.6705E 00	6.6871E-01
4.1333E-01	9.1993E-01	4.1380E-01	4.8481E-01	3.7390E 00	8.6246E 00	6.3166E-01
4.4769E-01	9.4110E-01	4.3709E-01	5.1433E-01	3.6778E 00	8.5804E 00	5.9943E-01
5.1641E-01	9.8032E-01	4.8195E-01	5.7160E-01	3.5727E 00	8.5002E 00	5.4640E-01
5.8513E-01	1.0164E 00	5.2469E-01	6.2665E-01	3.4847E 00	8.4263E 00	5.0411E-01
6.5385E-01	1.0499E 00	5.6569E-01	6.7987E-01	3.4098E 00	8.3588E 00	4.6960E-01
7.2257E-01	1.0811E 00	6.0520E-01	7.3147E-01	3.3451E 00	8.2968E 00	4.4083E-01
7.9129E-01	1.1105E 00	6.4340E-01	7.8165E-01	3.2884E 00	8.2395E 00	4.1643E-01
8.6001E-01	1.1384E 00	6.8038E-01	8.3049E-01	3.2382E 00	8.1856E 00	3.9537E-01
9.2873E-01	1.1649E 00	7.1631E-01	8.7816E-01	3.1933E 00	8.1350E 00	3.7701E-01
1.0662E 00	1.2146E 00	7.8530E-01	9.7024E-01	3.1161E 00	8.0416E 00	3.4638E-01
1.2036E 00	1.2606E 00	8.5103E-01	1.0586E 00	3.0518E 00	7.9571E 00	3.2179E-01
1.3410E 00	1.3032E 00	9.1418E-01	1.1438E 00	2.9978E 00	7.8818E 00	3.0165E-01
1.4785E 00	1.3435E 00	9.7482E-01	1.2261E 00	2.9511E 00	7.8115E 00	2.8466E-01
1.6159E 00	1.3815E 00	1.0334E 00	1.3059E 00	2.9105E 00	7.7469E 00	2.7015E-01
1.7534E 00	1.4179E 00	1.0900E 00	1.3832E 00	2.8746E 00	7.6857E 00	2.5752E-01
2.0282E 00	1.4856E 00	1.1985E 00	1.5320E 00	2.8144E 00	7.5764E 00	2.3673E-01
2.3031E 00	1.5484E 00	1.3012E 00	1.6736E 00	2.7655E 00	7.4780E 00	2.2009E-01
2.5780E 00	1.6070E 00	1.3994E 00	1.8091E 00	2.7250E 00	7.3900E 00	2.0646E-01
2.8529E 00	1.6622E 00	1.4935E 00	1.9392E 00	2.6909E 00	7.3099E 00	1.9502E-01
3.1277E 00	1.7143E 00	1.5842E 00	2.0648E 00	2.6618E 00	7.2369E 00	1.8526E-01
3.6775E 00	1.8118E 00	1.7562E 00	2.3034E 00	2.6143E 00	7.1053E 00	1.6931E-01
4.2273E 00	1.9014E 00	1.9182E 00	2.5281E 00	2.5774E 00	6.9908E 00	1.5675E-01
4.7770E 00	1.9846E 00	2.0724E 00	2.7418E 00	2.5481E 00	6.8908E 00	1.4658E-01
5.3268E 00	2.0628E 00	2.2192E 00	2.9453E 00	2.5240E 00	6.8003E 00	1.3804E-01
5.8765E 00	2.1367E 00	2.3602E 00	3.1404E 00	2.5039E 00	6.7187E 00	1.3077E-01
6.4263E 00	2.2068E 00	2.4959E 00	3.3280E 00	2.4869E 00	6.6441E 00	1.2445E-01
6.9760E 00	2.2737E 00	2.6271E 00	3.5092E 00	2.4723E 00	6.5758E 00	1.1891E-01
7.5258E 00	2.3377E 00	2.7542E 00	3.6844E 00	2.4596E 00	6.5126E 00	1.1397E-01
8.0756E 00	2.3991E 00	2.8777E 00	3.8544E 00	2.4485E 00	6.4540E 00	1.0955E-01
9.1751E 00	2.5153E 00	3.1148E 00	4.1480E 00	2.4299E 00	6.3481E 00	1.0188E-01
1.0275E 01	2.6238E 00	3.3409E 00	4.4908E 00	2.4149E 00	6.2548E 00	9.5446E-02
1.1374E 01	2.7254E 00	3.5582E 00	4.7884E 00	2.4025E 00	6.1725E 00	8.9945E-02
1.2474E 01	2.8217E 00	3.7671E 00	5.0742E 00	2.3920E 00	6.0980E 00	8.5140E-02
1.3573E 01	2.9128E 00	3.9693E 00	5.3503E 00	2.3831E 00	6.0308E 00	8.0906E-02
1.4673E 01	2.9998E 00	4.1651E 00	5.6173E 00	2.3752E 00	5.9691E 00	7.7122E-02
1.6872E 01	3.1619E 00	4.5416E 00	6.1302E 00	2.3621E 00	5.8615E 00	7.0650E-02
1.9071E 01	3.3113E 00	4.9003E 00	6.6181E 00	2.3514E 00	5.7693E 00	6.5261E-02
2.1270E 01	3.4497E 00	5.2450E 00	7.0863E 00	2.3425E 00	5.6898E 00	6.0691E-02
2.3469E 01	3.5787E 00	5.5777E 00	7.5379E 00	2.3349E 00	5.6203E 00	5.6747E-02
2.7867E 01	3.8129E 00	6.2150E 00	8.4021E 00	2.3226E 00	5.5055E 00	5.0267E-02
3.2265E 01	4.0213E 00	6.8222E 00	9.2247E 00	2.3130E 00	5.4144E 00	4.5125E-02

3.6663E 01	4.2107E 00	7.4C30E 0C	1.0C11E 01	2.3050E 0C	5.3384E 00	4.0885E-02
4.1C61E 01	4.3825E 00	7.9657E 0C	1.0773E 01	2.2984E 00	5.2762E 00	3.7350E-02
4.5459E 01	4.5403E 00	8.5122E 0C	1.1512E 01	2.2928E 0C	5.2239E 00	3.4335E-02
4.9857E 01	4.6847E 00	9.0478E 0C	1.2237E 01	2.2881E 00	5.1811E 00	3.1750E-02
5.4255E 01	4.8196E 00	9.5703E 0C	1.2944E 01	2.2841E 0C	5.1436E 00	2.9474E-02
5.8653E 01	4.9445E 00	1.0C85E 01	1.3640E 01	2.28C6E 0C	5.1123E 00	2.7475E-02
6.3051E 01	5.0614E 00	1.0590E 01	1.4324E 01	2.2777E 0C	5.0853E 00	2.5693E-02

A = 1C.COCOE-04

B = 3.COCOE-03

EPS = 10.00C0E-C4

GAM = 1C.0C00E-02

X	Y	NUC	NLW	ETAMC	NURATIO	DY/DX
0.	4.00C0E-03	0.	0.	8.3334E 02	0.	5.1673E 06
10.00C0E-13	4.0052E-03	2.4968E-1C	2.4968E-10	2.8068E 02	1.5089E 00	5.2596E 06
2.0C00E-12	4.0105E-03	4.9869E-1C	4.9870E-10	3.6734E 02	1.7920E 00	5.0709E 06
3.0000E-12	4.0154E-03	7.4711E-1C	7.4712E-10	4.1102E 02	1.9807E 00	5.1458E 06
4.0C00E-12	4.0206E-03	9.9487E-1C	9.9487E-10	4.3903E 02	2.1256E 00	5.2510E 06
6.0C00E-12	4.0314E-03	1.4883E-09	1.4883E-09	4.7441E 02	2.3461E 00	5.1792E 06
8.0C00E-12	4.0417E-03	1.9794E-09	1.9794E-09	4.9677E 02	2.5146E 00	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	5.1252E 02	2.6523E 00	4.9651E 06
1.4C00E-11	4.0711E-03	3.4388E-09	3.4389E-09	5.3363E 02	2.8713E 00	4.9653E 06
2.0000E-11	4.1108E-03	5.3517E-09	5.3517E-09	5.5618E 02	3.1838E 00	4.7985E 06
3.0C00E-11	4.1486E-03	7.2314E-09	7.2314E-09	5.6781E 02	3.4092E 00	4.7803E 06
3.8000E-11	4.1867E-03	9.0763E-09	9.0763E-09	5.7401E 02	3.5838E 00	4.5731E 06
4.6C00E-11	4.2219E-03	1.0896E-08	1.0896E-08	5.7775E 02	3.7278E 00	4.4351E 06
5.4C00E-11	4.2570E-03	1.2685E-08	1.2685E-08	5.7955E 02	3.8482E 00	4.3282E 06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	5.8C20E 02	3.9516E 00	4.2018E 06
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	5.8014E 02	4.0422E 00	4.2010E 06
8.6C00E-11	4.3916E-03	1.9583E-08	1.9583E-08	5.7791E 02	4.1906E 00	3.9503E 06
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-08	5.7532E 02	4.3147E 00	3.7471E 06
1.1800E-10	4.5098E-03	2.6165E-08	2.6166E-08	5.7179E 02	4.4166E 00	3.6882E 06
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-08	5.6731E 02	4.4993E 00	3.4591E 06
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	5.6355E 02	4.5755E 00	3.3607E 06
1.6600E-10	4.6752E-03	3.5506E-08	3.5507E-08	5.5932E 02	4.6398E 00	3.3017E 06
1.8200E-10	4.7278E-03	3.8495E-08	3.8496E-08	5.5488E 02	4.6949E 00	3.1505E 06
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-08	5.5084E 02	4.7461E 00	3.1024E 06
2.1400E-10	4.8257E-03	4.4346E-08	4.4346E-08	5.4654E 02	4.7898E 00	2.9943E 06
2.3000E-10	4.8723E-03	4.7205E-08	4.7206E-08	5.4251E 02	4.8302E 00	2.8467E 06
2.4600E-10	4.9165E-03	5.0C35E-08	5.0036E-08	5.3871E 02	4.8679E 00	2.8071E 06
2.6200E-10	4.9611E-03	5.2810E-08	5.2811E-08	5.3480E 02	4.9008E 00	2.7192E 06
2.7800E-10	5.0036E-03	5.5560E-08	5.5560E-08	5.3111E 02	4.9317E 00	2.6614E 06
2.9400E-10	5.0459E-03	5.8265E-08	5.8265E-08	5.2740E 02	4.9592E 00	2.6123E 06
3.1000E-10	5.0874E-03	6.0935E-08	6.0935E-08	5.2377E 02	4.9844E 00	2.5539E 06
3.2600E-10	5.1277E-03	6.3576E-08	6.3576E-08	5.2026E 02	5.0078E 00	2.4836E 06
3.5800E-10	5.2044E-03	6.8788E-08	6.8788E-08	5.1368E 02	5.0509E 00	2.3561E 06
4.2200E-10	5.3471E-03	7.8921E-08	7.8922E-08	5.0170E 02	5.1224E 00	2.1933E 06
4.8600E-10	5.4869E-03	8.8575E-08	8.8575E-08	4.9004E 02	5.1713E 00	2.0209E 06
5.5000E-10	5.6104E-03	9.8C31E-08	9.8032E-08	4.8023E 02	5.2163E 00	1.8908E 06
6.1400E-10	5.7284E-03	1.0718E-07	1.0719E-07	4.7109E 02	5.2514E 00	1.7728E 06
6.7800E-10	5.8384E-03	1.1613E-07	1.1613E-07	4.6284E 02	5.2818E 00	1.6687E 06
7.4200E-10	5.9423E-03	1.2487E-07	1.2487E-07	4.5527E 02	5.3078E 00	1.5844E 06
8.0600E-10	6.0418E-03	1.3340E-07	1.3341E-07	4.4820E 02	5.3295E 00	1.5080E 06
8.7000E-10	6.1360E-03	1.4178E-07	1.4179E-07	4.4168E 02	5.3488E 00	1.4467E 06
9.3400E-10	6.2272E-03	1.4999E-07	1.4999E-07	4.3551E 02	5.3648E 00	1.3810E 06
9.9800E-10	6.3134E-03	1.5808E-07	1.5808E-07	4.2984E 02	5.3800E 00	1.3287E 06
1.0620E-09	6.3971E-03	1.6601E-07	1.6601E-07	4.2445E 02	5.3928E 00	1.2737E 06
1.1260E-09	6.4768E-03	1.7385E-07	1.7385E-07	4.1944E 02	5.4049E 00	1.2213E 06
1.1900E-09	6.5534E-03	1.8158E-07	1.8159E-07	4.1474E 02	5.4161E 00	1.1932E 06
1.2540E-09	6.6300E-03	1.8914E-07	1.8914E-07	4.1008E 02	5.4241E 00	1.1427E 06
1.3180E-09	6.7009E-03	1.9669E-07	1.9669E-07	4.0590E 02	5.4339E 00	1.1039E 06
1.3820E-09	6.7707E-03	2.0411E-07	2.0412E-07	4.0186E 02	5.4420E 00	1.0742E 06
1.4460E-09	6.8386E-03	2.1144E-07	2.1145E-07	3.9798E 02	5.4493E 00	1.0426E 06
1.5100E-09	6.9039E-03	2.1872E-07	2.1872E-07	3.9434E 02	5.4566E 00	1.0139E 06

1.5740E-09	6.9679E-03	2.2589E-07	2.2589E-07	3.9082E-02	5.4628E-00	9.8485E-05
1.7020E-09	7.0902E-03	2.4005E-07	2.4005E-07	3.8426E-02	5.4746E-00	9.3329E-05
1.8300E-09	7.2067E-03	2.5393E-07	2.5393E-07	3.7821E-02	5.4846E-00	8.8832E-05
1.9580E-09	7.3179E-03	2.6756E-07	2.6757E-07	3.7259E-02	5.4933E-00	8.4940E-05
2.0860E-09	7.4244E-03	2.8096E-07	2.8097E-07	3.6736E-02	5.5009E-00	8.1602E-05
2.3420E-09	7.6263E-03	3.0709E-07	3.0710E-07	3.5780E-02	5.5125E-00	7.5263E-05
2.5980E-09	7.8094E-03	3.3267E-07	3.3268E-07	3.4958E-02	5.5247E-00	7.0002E-05
2.8540E-09	7.9832E-03	3.5750E-07	3.5751E-07	3.4208E-02	5.5329E-00	6.5558E-05
3.1100E-09	8.1459E-03	3.8178E-07	3.8179E-07	3.3535E-02	5.5401E-00	6.1712E-05
3.3660E-09	8.2994E-03	4.0557E-07	4.0557E-07	3.2922E-02	5.5462E-00	5.8289E-05
3.8780E-09	8.5820E-03	4.5187E-07	4.5188E-07	3.1852E-02	5.5568E-00	5.2731E-05
4.3900E-09	8.8439E-03	4.9638E-07	4.9639E-07	3.0915E-02	5.5621E-00	4.8186E-05
4.9020E-09	9.0798E-03	5.3987E-07	5.3988E-07	3.0120E-02	5.5690E-00	4.4518E-05
5.4140E-09	9.3019E-03	5.8202E-07	5.8204E-07	2.9405E-02	5.5728E-00	4.1399E-05
5.9260E-09	9.5061E-03	6.2338E-07	6.2340E-07	2.8779E-02	5.5777E-00	3.8841E-05
6.9500E-09	9.8844E-03	7.0312E-07	7.0314E-07	2.7682E-02	5.5822E-00	3.4499E-05
7.9740E-09	1.0218E-02	7.8039E-07	7.8041E-07	2.6786E-02	5.5889E-00	3.1262E-05
8.9980E-09	1.0525E-02	8.5488E-07	8.5491E-07	2.6007E-02	5.5920E-00	2.8597E-05
1.0022E-08	1.0804E-02	9.2763E-07	9.2766E-07	2.5341E-02	5.5966E-00	2.6424E-05
1.1046E-08	1.1065E-02	9.9827E-07	9.9830E-07	2.4745E-02	5.5990E-00	2.4609E-05
1.2070E-08	1.1308E-02	1.0673E-06	1.0674E-06	2.4214E-02	5.6012E-00	2.3044E-05
1.3094E-08	1.1537E-02	1.1349E-06	1.1350E-06	2.3736E-02	5.6031E-00	2.1708E-05
1.4118E-08	1.1754E-02	1.2011E-06	1.2011E-06	2.3299E-02	5.6042E-00	2.0519E-05
1.5142E-08	1.1958E-02	1.2662E-06	1.2663E-06	2.2903E-02	5.6058E-00	1.9490E-05
1.6166E-08	1.2153E-02	1.3302E-06	1.3302E-06	2.2536E-02	5.6068E-00	1.8576E-05
1.7190E-08	1.2339E-02	1.3931E-06	1.3932E-06	2.2198E-02	5.6078E-00	1.7735E-05
1.9238E-08	1.2686E-02	1.5165E-06	1.5165E-06	2.1593E-02	5.6102E-00	1.6329E-05
2.1286E-08	1.3011E-02	1.6359E-06	1.6360E-06	2.1053E-02	5.6100E-00	1.5129E-05
2.3334E-08	1.3309E-02	1.7532E-06	1.7533E-06	2.0583E-02	5.6118E-00	1.4132E-05
2.5382E-08	1.3590E-02	1.8676E-06	1.8677E-06	2.0158E-02	5.6126E-00	1.3282E-05
2.7430E-08	1.3854E-02	1.9799E-06	1.9800E-06	1.9775E-02	5.6136E-00	1.2535E-05
2.9478E-08	1.4104E-02	2.0900E-06	2.0902E-06	1.9426E-02	5.6144E-00	1.1882E-05
3.1526E-08	1.4341E-02	2.1982E-06	2.1983E-06	1.9104E-02	5.6148E-00	1.1299E-05
3.3574E-08	1.4567E-02	2.3047E-06	2.3049E-06	1.8808E-02	5.6154E-00	1.0782E-05
3.5622E-08	1.4783E-02	2.4096E-06	2.4097E-06	1.8534E-02	5.6159E-00	1.0317E-05
3.7670E-08	1.4990E-02	2.5129E-06	2.5131E-06	1.8278E-02	5.6163E-00	9.8950E-06
4.1766E-08	1.5380E-02	2.7156E-06	2.7158E-06	1.7816E-02	5.6171E-00	9.1613E-06
4.5862E-08	1.5742E-02	2.9132E-06	2.9134E-06	1.7406E-02	5.6175E-00	8.5422E-06
4.9958E-08	1.6081E-02	3.1065E-06	3.1067E-06	1.7039E-02	5.6180E-00	8.0125E-06
5.4054E-08	1.6400E-02	3.2959E-06	3.2961E-06	1.6709E-02	5.6185E-00	7.5544E-06
6.2246E-08	1.6986E-02	3.6643E-06	3.6646E-06	1.6132E-02	5.6192E-00	6.7995E-06
7.0438E-08	1.7516E-02	4.0211E-06	4.0214E-06	1.5645E-02	5.6203E-00	6.2010E-06
7.8630E-08	1.8005E-02	4.3670E-06	4.3675E-06	1.5221E-02	5.6204E-00	5.7104E-06
8.6822E-08	1.8455E-02	4.7042E-06	4.7047E-06	1.4849E-02	5.6207E-00	5.3021E-06
9.5014E-08	1.8875E-02	5.0335E-06	5.0340E-06	1.4519E-02	5.6208E-00	4.9558E-06
1.0321E-07	1.9268E-02	5.3561E-06	5.3567E-06	1.4223E-02	5.6213E-00	4.6592E-06
1.1140E-07	1.9639E-02	5.6719E-06	5.6726E-06	1.3955E-02	5.6214E-00	4.3998E-06
1.2778E-07	2.0322E-02	6.2875E-06	6.2883E-06	1.3486E-02	5.6221E-00	3.9710E-06
1.4417E-07	2.0943E-02	6.8833E-06	6.8842E-06	1.3086E-02	5.6224E-00	3.6283E-06
1.6055E-07	2.1515E-02	7.4618E-06	7.4628E-06	1.2739E-02	5.6222E-00	3.3466E-06
1.7693E-07	2.2043E-02	8.0263E-06	8.0274E-06	1.2434E-02	5.6224E-00	3.1118E-06
1.9332E-07	2.2536E-02	8.5775E-06	8.5788E-06	1.2162E-02	5.6225E-00	2.9120E-06
2.0970E-07	2.2998E-02	9.1176E-06	9.1191E-06	1.1918E-02	5.6227E-00	2.7402E-06
2.2609E-07	2.3435E-02	9.6467E-06	9.6483E-06	1.1695E-02	5.6227E-00	2.5897E-06
2.5885E-07	2.4239E-02	1.0678E-05	1.0680E-05	1.1308E-02	5.6231E-00	2.3405E-06
2.9162E-07	2.4972E-02	1.1677E-05	1.1679E-05	1.0976E-02	5.6232E-00	2.1403E-06
3.2439E-07	2.5646E-02	1.2647E-05	1.2650E-05	1.0687E-02	5.6230E-00	1.9760E-06
3.5716E-07	2.6271E-02	1.3594E-05	1.3597E-05	1.0433E-02	5.6230E-00	1.8385E-06
3.8993E-07	2.6853E-02	1.4519E-05	1.4522E-05	1.0207E-02	5.6231E-00	1.7215E-06
4.2269E-07	2.7400E-02	1.5425E-05	1.5429E-05	1.0003E-02	5.6231E-00	1.6205E-06
4.5546E-07	2.7916E-02	1.6313E-05	1.6317E-05	9.8185E-03	5.6231E-00	1.5322E-06
5.2100E-07	2.8868E-02	1.8045E-05	1.8050E-05	9.4948E-03	5.6234E-00	1.3856E-06

5.8653E-07	2.9740E-02	1.9720E-05	1.9725E-05	9.2165E 01	5.6228E 00	1.2674E 04
6.5207E-07	3.0538E-02	2.1350E-05	2.1356E-05	8.9757E 01	5.6227E 00	1.1706E 04
7.1761E-07	3.1279E-02	2.2939E-05	2.2946E-05	8.7631E 01	5.6225E 00	1.0894E 04
7.8214E-07	3.1967E-02	2.4495E-05	2.4502E-05	8.5747E 01	5.6230E 00	1.0206E 04
8.4868E-07	3.2617E-02	2.6016E-05	2.6024E-05	8.4038E 01	5.6227E 00	9.6082E 03
9.7975E-07	3.3805E-02	2.8977E-05	2.8987E-05	8.1086E 01	5.6233E 00	8.6300E 03
1.1108E-06	3.4883E-02	3.1839E-05	3.1850E-05	7.8583E 01	5.6233E 00	7.8552E 03
1.2419E-06	3.5872E-02	3.4613E-05	3.4627E-05	7.6415E 01	5.6228E 00	7.2233E 03
1.3730E-06	3.6783E-02	3.7319E-05	3.7334E-05	7.4524E 01	5.6228E 00	6.7001E 03
1.5040E-06	3.7631E-02	3.9959E-05	3.9976E-05	7.2844E 01	5.6227E 00	6.2573E 03
1.6351E-06	3.8425E-02	4.2544E-05	4.2563E-05	7.1341E 01	5.6228E 00	5.8778E 03
1.7662E-06	3.9174E-02	4.5076E-05	4.5096E-05	6.9977E 01	5.6226E 00	5.5472E 03
1.8973E-06	3.9881E-02	4.7561E-05	4.7584E-05	6.8736E 01	5.6225E 00	5.2574E 03
2.0283E-06	4.0554E-02	5.0004E-05	5.0028E-05	6.7597E 01	5.6224E 00	5.0003E 03
2.2905E-06	4.1804E-02	5.4776E-05	5.4805E-05	6.5576E 01	5.6223E 00	4.5650E 03
2.5526E-06	4.2953E-02	5.9411E-05	5.9444E-05	6.3822E 01	5.6221E 00	4.2087E 03
2.8148E-06	4.4017E-02	6.3928E-05	6.3965E-05	6.2279E 01	5.6218E 00	3.9109E 03
3.0769E-06	4.5009E-02	6.8342E-05	6.8383E-05	6.0909E 01	5.6217E 00	3.6583E 03
3.3390E-06	4.5938E-02	7.2662E-05	7.2708E-05	5.9677E 01	5.6216E 00	3.4408E 03
3.8633E-06	4.7656E-02	8.1039E-05	8.1094E-05	5.7524E 01	5.6201E 00	3.0822E 03
4.3876E-06	4.9199E-02	8.9148E-05	8.9213E-05	5.5720E 01	5.6197E 00	2.8014E 03
4.9119E-06	5.0624E-02	9.6990E-05	9.7065E-05	5.4150E 01	5.6177E 00	2.5717E 03
5.4362E-06	5.1914E-02	1.0467E-04	1.0476E-04	5.2808E 01	5.6187E 00	2.3849E 03
5.9605E-06	5.3136E-02	1.1213E-04	1.1222E-04	5.1592E 01	5.6172E 00	2.2243E 03
6.4848E-06	5.4260E-02	1.1946E-04	1.1956E-04	5.0524E 01	5.6178E 00	2.0889E 03
7.0091E-06	5.5326E-02	1.2663E-04	1.2675E-04	4.9552E 01	5.6177E 00	1.9707E 03
7.5333E-06	5.6329E-02	1.3368E-04	1.3380E-04	4.8672E 01	5.6180E 00	1.8674E 03
8.0576E-06	5.7283E-02	1.4059E-04	1.4073E-04	4.7861E 01	5.6180E 00	1.7757E 03
8.5819E-06	5.8192E-02	1.4740E-04	1.4755E-04	4.7115E 01	5.6180E 00	1.6939E 03
9.1062E-06	5.9060E-02	1.5410E-04	1.5427E-04	4.6423E 01	5.6180E 00	1.6203E 03
1.0155E-05	6.0690E-02	1.6723E-04	1.6741E-04	4.5178E 01	5.6180E 00	1.4935E 03
1.1203E-05	6.2198E-02	1.8002E-04	1.8023E-04	4.4084E 01	5.6180E 00	1.3876E 03
1.2252E-05	6.3606E-02	1.9251E-04	1.9274E-04	4.3109E 01	5.6177E 00	1.2976E 03
1.3301E-05	6.4924E-02	2.0473E-04	2.0499E-04	4.2235E 01	5.6176E 00	1.2202E 03
1.5398E-05	6.7348E-02	2.2847E-04	2.2878E-04	4.0717E 01	5.6171E 00	1.0933E 03
1.7495E-05	6.9529E-02	2.5144E-04	2.5180E-04	3.9442E 01	5.6172E 00	9.9381E 02
1.9592E-05	7.1522E-02	2.7372E-04	2.7414E-04	3.8245E 01	5.6172E 00	9.1316E 02
2.1689E-05	7.3365E-02	2.9539E-04	2.9587E-04	3.7383E 01	5.6168E 00	8.4616E 02
2.3786E-05	7.5082E-02	3.1654E-04	3.1707E-04	3.6529E 01	5.6162E 00	7.8952E 02
2.7981E-05	7.8192E-02	3.5752E-04	3.5817E-04	3.5679E 01	5.6160E 00	6.9920E 02
3.2175E-05	8.0957E-02	3.9704E-04	3.9782E-04	3.3884E 01	5.6166E 00	6.3012E 02
3.6369E-05	8.3489E-02	4.3516E-04	4.3607E-04	3.2857E 01	5.6153E 00	5.7462E 02
4.0563E-05	8.5801E-02	4.7224E-04	4.7328E-04	3.1974E 01	5.6148E 00	5.2952E 02
4.8952E-05	8.9989E-02	5.4332E-04	5.4464E-04	3.0485E 01	5.6105E 00	4.5917E 02
5.7341E-05	9.3656E-02	6.1145E-04	6.1305E-04	2.9291E 01	5.6076E 00	4.0745E 02
6.5729E-05	9.6886E-02	6.7747E-04	6.7937E-04	2.8319E 01	5.6084E 00	3.6816E 02
7.4118E-05	9.9849E-02	7.4120E-04	7.4340E-04	2.7481E 01	5.6074E 00	3.3645E 02
8.2507E-05	1.0255E-01	8.0326E-04	8.0578E-04	2.6759E 01	5.6074E 00	3.1061E 02
9.0895E-05	1.0508E-01	8.6358E-04	8.6643E-04	2.6116E 01	5.6062E 00	2.8882E 02
9.9284E-05	1.0742E-01	9.2267E-04	9.2585E-04	2.5550E 01	5.6061E 00	2.7043E 02
1.0767E-04	1.0962E-01	9.8047E-04	9.8398E-04	2.5039E 01	5.6056E 00	2.5452E 02
1.1606E-04	1.1169E-01	1.0372E-03	1.0410E-03	2.4576E 01	5.6054E 00	2.4067E 02
1.2445E-04	1.1366E-01	1.0928E-03	1.0970E-03	2.4152E 01	5.6050E 00	2.2844E 02
1.4123E-04	1.1731E-01	1.2014E-03	1.2063E-03	2.3403E 01	5.6043E 00	2.0786E 02
1.5800E-04	1.2066E-01	1.3067E-03	1.3124E-03	2.2757E 01	5.6034E 00	1.9113E 02
1.7478E-04	1.2375E-01	1.4092E-03	1.4156E-03	2.2191E 01	5.6024E 00	1.7724E 02
1.9156E-04	1.2662E-01	1.5093E-03	1.5165E-03	2.1690E 01	5.6017E 00	1.6551E 02
2.0834E-04	1.2931E-01	1.6072E-03	1.6152E-03	2.1241E 01	5.6009E 00	1.5545E 02
2.4189E-04	1.3423E-01	1.7972E-03	1.8069E-03	2.0466E 01	5.5997E 00	1.3906E 02
2.7544E-04	1.3865E-01	1.9809E-03	1.9922E-03	1.9817E 01	5.5990E 00	1.2625E 02
3.0900E-04	1.4272E-01	2.1585E-03	2.1716E-03	1.9255E 01	5.5971E 00	1.1583E 02
3.4255E-04	1.4646E-01	2.3315E-03	2.3463E-03	1.8766E 01	5.5957E 00	1.0724E 02

4.0966E-04	1.5324E-01	2.6641E-03	2.6826E-03	1.7939E 01	5.5911E 00	9.3726E 01
4.7677E-04	1.5922E-01	2.9832E-03	3.0055E-03	1.7268E 01	5.5874E 00	8.3630E 01
5.4388E-04	1.6454E-01	3.2923E-03	3.3186E-03	1.6715E 01	5.5864E 00	7.5849E 01
6.1099E-04	1.6943E-01	3.5909E-03	3.6214E-03	1.6236E 01	5.5841E 00	6.9530E 01
6.7810E-04	1.7391E-01	3.8818E-03	3.9165E-03	1.5822E 01	5.5826E 00	6.4345E 01
7.4521E-04	1.78C9E-01	4.1648E-03	4.2038E-03	1.5453E 01	5.5803E 00	5.9959E 01
8.7942E-04	1.8562E-01	4.7139E-03	4.7618E-03	1.4833E 01	5.5783E 00	5.3035E 01
1.0136E-03	1.9236E-01	5.2410E-03	5.2981E-03	1.4318E 01	5.5754E 00	4.7715E 01
1.1479E-03	1.9849E-01	5.7498E-03	5.8164E-03	1.3880E 01	5.5719E 00	4.3483E 01
1.2821E-03	2.04C8E-01	6.2439E-03	6.3203E-03	1.3504E 01	5.5692E 00	4.0048E 01
1.4163E-03	2.0926E-01	6.7250E-03	6.8114E-03	1.3174E 01	5.5667E 00	3.7192E 01
1.5505E-03	2.14C8E-01	7.1944E-03	7.2910E-03	1.2880E 01	5.5642E 00	3.4770E 01
1.6847E-03	2.1861E-01	7.6529E-03	7.7600E-03	1.2617E 01	5.5616E 00	3.2685E 01
1.8189E-03	2.2287E-01	8.1C25E-03	8.2202E-03	1.2379E 01	5.5593E 00	3.0875E 01
2.0874E-03	2.3075E-01	8.9761E-03	9.1157E-03	1.1962E 01	5.5547E 00	2.7870E 01
2.3558E-03	2.3789E-01	9.8220E-03	9.9840E-03	1.1608E 01	5.5509E 00	2.5480E 01
2.6243E-03	2.4445E-01	1.0643E-02	1.0828E-02	1.1302E 01	5.5472E 00	2.3521E 01
2.8927E-03	2.5054E-01	1.1442E-02	1.1650E-02	1.1031E 01	5.5434E 00	2.1881E 01
3.1611E-03	2.5623E-01	1.2221E-02	1.2453E-02	1.0790E 01	5.5396E 00	2.0485E 01
3.4296E-03	2.6156E-01	1.2983E-02	1.3241E-02	1.0575E 01	5.5364E 00	1.9285E 01
3.6980E-03	2.6660E-01	1.3730E-02	1.4012E-02	1.0379E 01	5.5331E 00	1.8237E 01
3.9664E-03	2.7136E-01	1.4463E-02	1.4771E-02	1.0200E 01	5.5301E 00	1.7316E 01
4.2349E-03	2.7590E-01	1.5183E-02	1.5516E-02	1.0036E 01	5.5270E 00	1.6496E 01
4.7717E-03	2.8436E-01	1.6588E-02	1.6974E-02	9.7434E 00	5.5213E 00	1.5103E 01
5.3086E-03	2.9216E-01	1.7550E-02	1.8390E-02	9.4891E 00	5.5158E 00	1.3957E 01
5.8455E-03	2.9939E-01	1.9277E-02	1.9772E-02	9.2652E 00	5.5105E 00	1.2998E 01
6.3824E-03	3.0614E-01	2.0572E-02	2.1123E-02	9.0659E 00	5.5056E 00	1.2182E 01
7.4561E-03	3.1845E-01	2.3C80E-02	2.3747E-02	8.7250E 00	5.4970E 00	1.0865E 01
8.5298E-03	3.2949E-01	2.5495E-02	2.6281E-02	8.4411E 00	5.4893E 00	9.8445E 00
9.6036E-03	3.3963E-01	2.7822E-02	2.8730E-02	8.1965E 00	5.4807E 00	9.0194E 00
1.0677E-02	3.4895E-01	3.0082E-02	3.1115E-02	7.9848E 00	5.4731E 00	8.3431E 00
1.1751E-02	3.5761E-01	3.2280E-02	3.3441E-02	7.7979E 00	5.4657E 00	7.7754E 00
1.2825E-02	3.6566E-01	3.4428E-02	3.5718E-02	7.6325E 00	5.4594E 00	7.2941E 00
1.3899E-02	3.7327E-01	3.6523E-02	3.7946E-02	7.4826E 00	5.4527E 00	6.8761E 00
1.6046E-02	3.8723E-01	4.0592E-02	4.2284E-02	7.2236E 00	5.4411E 00	6.1917E 00
1.8194E-02	3.9991E-01	4.4509E-02	4.6479E-02	7.0043E 00	5.4298E 00	5.6490E 00
2.0341E-02	4.1158E-01	4.8296E-02	5.0548E-02	6.8145E 00	5.4187E 00	5.2063E 00
2.2488E-02	4.2234E-01	5.1976E-02	5.4518E-02	6.6491E 00	5.4088E 00	4.8396E 00
2.4636E-02	4.3240E-01	5.5557E-02	5.8392E-02	6.5022E 00	5.3992E 00	4.5288E 00
2.8931E-02	4.5061E-01	6.2485E-02	6.5921E-02	6.2538E 00	5.3830E 00	4.0333E 00
3.3226E-02	4.6700E-01	6.9122E-02	7.3174E-02	6.0474E 00	5.3676E 00	3.6502E 00
3.7521E-02	4.8202E-01	7.5499E-02	8.0182E-02	5.8704E 00	5.3518E 00	3.3424E 00
4.1816E-02	4.9581E-01	8.1676E-02	8.7001E-02	5.7181E 00	5.3377E 00	3.0914E 00
4.6111E-02	5.0864E-01	8.7666E-02	9.3644E-02	5.5839E 00	5.3241E 00	2.8812E 00
5.0406E-02	5.2059E-01	9.3505E-02	1.0014E-01	5.4653E 00	5.3118E 00	2.7033E 00
5.4701E-02	5.3188E-01	9.9189E-02	1.0650E-01	5.3582E 00	5.2995E 00	2.5492E 00
6.3291E-02	5.5259E-01	1.1C20E-01	1.1887E-01	5.1739E 00	5.2776E 00	2.2976E 00
7.1881E-02	5.7143E-01	1.2C76E-01	1.3082E-01	5.0184E 00	5.2569E 00	2.0987E 00
8.0471E-02	5.8878E-01	1.3C94E-01	1.4241E-01	4.8845E 00	5.2373E 00	1.9369E 00
8.9060E-02	6.0482E-01	1.4C80E-01	1.5370E-01	4.7680E 00	5.2193E 00	1.8030E 00
9.7650E-02	6.1981E-01	1.5C38E-01	1.6472E-01	4.6649E 00	5.2023E 00	1.6897E 00
1.0624E-01	6.3388E-01	1.5970E-01	1.7550E-01	4.5728E 00	5.1863E 00	1.5926E 00
1.1483E-01	6.4722E-01	1.6878E-01	1.8606E-01	4.4896E 00	5.1708E 00	1.5080E 00
1.2342E-01	6.5984E-01	1.7767E-01	1.9642E-01	4.4141E 00	5.1562E 00	1.4339E 00
1.3201E-01	6.7188E-01	1.8635E-01	2.0660E-01	4.3450E 00	5.1422E 00	1.3682E 00
1.4919E-01	6.9437E-01	2.0323E-01	2.2648E-01	4.2249E 00	5.1162E 00	1.2569E 00
1.6637E-01	7.1514E-01	2.1949E-01	2.4579E-01	4.1176E 00	5.0919E 00	1.1658E 00
1.8355E-01	7.3452E-01	2.3521E-01	2.6457E-01	4.0251E 00	5.0689E 00	1.0895E 00
2.0073E-01	7.5266E-01	2.5C48E-01	2.8291E-01	3.9434E 00	5.0476E 00	1.0247E 00
2.1791E-01	7.6978E-01	2.6532E-01	3.0084E-01	3.8702E 00	5.0273E 00	9.6888E-01
2.3509E-01	7.8598E-01	2.7980E-01	3.1841E-01	3.8042E 00	5.0082E 00	9.2024E-01
2.5227E-01	8.0142E-01	2.9392E-01	3.3564E-01	3.7441E 00	4.9899E 00	8.7731E-01

2.8663E-01	8.3026E-01	3.2125E-01	3.6920E-01	3.6386E 00	4.9559E 00	8.0506E-01
3.2099E-01	8.5691E-01	3.4749E-01	4.0169E-01	3.5482E 00	4.9243E 00	7.4630E-01
3.5535E-01	8.8170E-01	3.7280E-01	4.3325E-01	3.4698E 00	4.8951E 00	6.9752E-01
3.8971E-01	9.0493E-01	3.9730E-01	4.6400E-01	3.4008E 00	4.8679E 00	6.5627E-01
4.2407E-01	9.2684E-01	4.2107E-01	4.9401E-01	3.3394E 00	4.8423E 00	6.2085E-01
4.5843E-01	9.4764E-01	4.4418E-01	5.2333E-01	3.2842E 00	4.8181E 00	5.9003E-01
5.2715E-01	9.8636E-01	4.8867E-01	5.8020E-01	3.1888E 00	4.7735E 00	5.3895E-01
5.9587E-01	1.0220E 00	5.3115E-01	6.3497E-01	3.1087E 00	4.7328E 00	4.9813E-01
6.6459E-01	1.0550E 00	5.7192E-01	6.8792E-01	3.0401E 00	4.6956E 00	4.6467E-01
7.3331E-01	1.0860E 00	6.1118E-01	7.3925E-01	2.9805E 00	4.6610E 00	4.3664E-01
8.0203E-01	1.1152E 00	6.4917E-01	7.8919E-01	2.9281E 00	4.6290E 00	4.1281E-01
8.7074E-01	1.1429E 00	6.8598E-01	8.3782E-01	2.8816E 00	4.5990E 00	3.9221E-01
9.3946E-01	1.1692E 00	7.2177E-01	8.8531E-01	2.8399E 00	4.5709E 00	3.7424E-01
1.0082E 00	1.1943E 00	7.5658E-01	9.3169E-01	2.8022E 00	4.5443E 00	3.5836E-01
1.1456E 00	1.2417E 00	8.2372E-01	1.0216E 00	2.7366E 00	4.4954E 00	3.3156E-01
1.2831E 00	1.2857E 00	8.8786E-01	1.1080E 00	2.6812E 00	4.4507E 00	3.0968E-01
1.4205E 00	1.3270E 00	9.4947E-01	1.1915E 00	2.6336E 00	4.4098E 00	2.9144E-01
1.5579E 00	1.3659E 00	1.0089E 00	1.2722E 00	2.5923E 00	4.3723E 00	2.7596E-01
1.6954E 00	1.4029E 00	1.0663E 00	1.3506E 00	2.5559E 00	4.3373E 00	2.6262E-01
1.8328E 00	1.4382E 00	1.1220E 00	1.4268E 00	2.5236E 00	4.3046E 00	2.5097E-01
2.1077E 00	1.5052E 00	1.2281E 00	1.5725E 00	2.4676E 00	4.2427E 00	2.3133E-01
2.3826E 00	1.5666E 00	1.3295E 00	1.7122E 00	2.4223E 00	4.1897E 00	2.1571E-01
2.6575E 00	1.6242E 00	1.4264E 00	1.8460E 00	2.3842E 00	4.1415E 00	2.0279E-01
2.9323E 00	1.6780E 00	1.5199E 00	1.9751E 00	2.3521E 00	4.0988E 00	1.9197E-01
3.2072E 00	1.7296E 00	1.6094E 00	2.0991E 00	2.3239E 00	4.0583E 00	1.8259E-01
3.4821E 00	1.7786E 00	1.6962E 00	2.2193E 00	2.2993E 00	4.0213E 00	1.7446E-01
3.7570E 00	1.8256E 00	1.7802E 00	2.3357E 00	2.2775E 00	3.9867E 00	1.6728E-01
4.0318E 00	1.8707E 00	1.8619E 00	2.4488E 00	2.2580E 00	3.9545E 00	1.6089E-01
4.3067E 00	1.9141E 00	1.9413E 00	2.5588E 00	2.2406E 00	3.9241E 00	1.5515E-01
4.5865E 00	1.9966E 00	2.0942E 00	2.7706E 00	2.2104E 00	3.8686E 00	1.4524E-01
5.4062E 00	2.0741E 00	2.2404E 00	2.9728E 00	2.1851E 00	3.8187E 00	1.3692E-01
6.5057E 00	2.2172E 00	2.5156E 00	3.3529E 00	2.1449E 00	3.7319E 00	1.2360E-01
7.6053E 00	2.3475E 00	2.7726E 00	3.7070E 00	2.1141E 00	3.6586E 00	1.1328E-01
8.7048E 00	2.4669E 00	3.0159E 00	4.0413E 00	2.0898E 00	3.5964E 00	1.0500E-01
9.8043E 00	2.5787E 00	3.2465E 00	4.3575E 00	2.0694E 00	3.5409E 00	9.8075E-02
1.0904E 01	2.6832E 00	3.4675E 00	4.6599E 00	2.0524E 00	3.4922E 00	9.2203E-02
1.2003E 01	2.7819E 00	3.6797E 00	4.9499E 00	2.0376E 00	3.4483E 00	8.7111E-02
1.3103E 01	2.8751E 00	3.8849E 00	5.2297E 00	2.0246E 00	3.4090E 00	8.2650E-02
1.4202E 01	2.9639E 00	4.0835E 00	5.5002E 00	2.0131E 00	3.3731E 00	7.8685E-02
1.6401E 01	3.1291E 00	4.4647E 00	6.0185E 00	1.9935E 00	3.3106E 00	7.1932E-02
1.8600E 01	3.2810E 00	4.8273E 00	6.5107E 00	1.9771E 00	3.2571E 00	6.6339E-02
2.2998E 01	3.5535E 00	5.5093E 00	7.4346E 00	1.9506E 00	3.1702E 00	5.7520E-02
2.7396E 01	3.7942E 00	6.1457E 00	8.2954E 00	1.9297E 00	3.1015E 00	5.0778E-02
3.1795E 01	4.0041E 00	6.7581E 00	9.1227E 00	1.9139E 00	3.0502E 00	4.5550E-02
3.6193E 01	4.1948E 00	7.3431E 00	9.9127E 00	1.9006E 00	3.0074E 00	4.1247E-02
4.0591E 01	4.3674E 00	7.9101E 00	1.0678E 01	1.8896E 00	2.9726E 00	3.7669E-02
4.4989E 01	4.5263E 00	8.4598E 00	1.1419E 01	1.8802E 00	2.9431E 00	3.4615E-02
5.3785E 01	4.8068E 00	9.5241E 00	1.2855E 01	1.8656E 00	2.8980E 00	2.9703E-02
6.2581E 01	5.0501E 00	1.0549E 01	1.4235E 01	1.8547E 00	2.8650E 00	2.5879E-02

A = 10.0000E-04

B = 3.0000E-03

EPS = 10.0000E-03

GAM = 10.0000E-02

X	Y	NUC	NLW	ETAMC	NURATIO	DY/DX
0.	4.0000E-03	0.	0.	8.3334E 02	0.	5.1673E 06
10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	-1.4642E 02	8.5039E-01	5.2596E 06
2.0000E-12	4.0105E-03	4.9869E-10	4.9870E-10	8.1928E 00	1.0100E 00	5.0709E 06
3.0000E-12	4.0154E-03	7.4711E-10	7.4712E-10	8.6495E 01	1.1163E 00	5.1458E 06
4.0000E-12	4.0206E-03	9.9487E-10	9.9487E-10	1.3703E 02	1.1980E 00	5.2510E 06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	2.0152E 02	1.3223E 00	5.1792E 06
8.0000E-12	4.0417E-03	1.9794E-09	1.9794E-09	2.4281E 02	1.4173E 00	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	2.7235E 02	1.4949E 00	4.9651E 06
1.4000E-11	4.0711E-03	3.4388E-09	3.4389E-09	3.1283E 02	1.6183E 00	4.9653E 06

2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	3.5898E-02	1.7944E-00	4.7985E-06
3.0000E-11	4.1486E-03	7.2314E-09	7.2314E-09	3.8532E-02	1.9214E-00	4.7803E-06
3.8000E-11	4.1867E-03	9.0763E-09	9.0763E-09	4.0199E-02	2.0198E-00	4.5731E-06
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	4.1375E-02	2.1010E-00	4.4351E-06
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	4.2200E-02	2.1689E-00	4.3282E-06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	4.2799E-02	2.2271E-00	4.2018E-06
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	4.3248E-02	2.2782E-00	4.2010E-06
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	4.3766E-02	2.3618E-00	3.9503E-06
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-08	4.4093E-02	2.4318E-00	3.7471E-06
1.1800E-10	4.5098E-03	2.6165E-08	2.6165E-08	4.4220E-02	2.4892E-00	3.6882E-06
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-08	4.4178E-02	2.5358E-00	3.4591E-06
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	4.4151E-02	2.5788E-00	3.3607E-06
1.6600E-10	4.6752E-03	3.5506E-08	3.5507E-08	4.4033E-02	2.6150E-00	3.3017E-06
1.8200E-10	4.7278E-03	3.8495E-08	3.8496E-08	4.3860E-02	2.6460E-00	3.1505E-06
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-08	4.3698E-02	2.6749E-00	3.1024E-06
2.1400E-10	4.8257E-03	4.4346E-08	4.4346E-08	4.3488E-02	2.6995E-00	2.9943E-06
2.3000E-10	4.8723E-03	4.7205E-08	4.7206E-08	4.3283E-02	2.7223E-00	2.8467E-06
2.4600E-10	4.9165E-03	5.0035E-08	5.0036E-08	4.3087E-02	2.7436E-00	2.8071E-06
2.6200E-10	4.9611E-03	5.2810E-08	5.2811E-08	4.2864E-02	2.7621E-00	2.7192E-06
2.7800E-10	5.0036E-03	5.5560E-08	5.5560E-08	4.2651E-02	2.7795E-00	2.6614E-06
2.9400E-10	5.0459E-03	5.8265E-08	5.8265E-08	4.2426E-02	2.7950E-00	2.6123E-06
3.1000E-10	5.0874E-03	6.0935E-08	6.0935E-08	4.2198E-02	2.8092E-00	2.5539E-06
3.2600E-10	5.1277E-03	6.3576E-08	6.3576E-08	4.1974E-02	2.8224E-00	2.4836E-06
3.5800E-10	5.2044E-03	6.8788E-08	6.8788E-08	4.1550E-02	2.8467E-00	2.3561E-06
4.2200E-10	5.3471E-03	7.8921E-08	7.8922E-08	4.0746E-02	2.8870E-00	2.1933E-06
4.8600E-10	5.4869E-03	8.8575E-08	8.8575E-08	3.9907E-02	2.9146E-00	2.0209E-06
5.5000E-10	5.6104E-03	9.8031E-08	9.8032E-08	3.9204E-02	2.9399E-00	1.8908E-06
6.1400E-10	5.7284E-03	1.0718E-07	1.0719E-07	3.8529E-02	2.9597E-00	1.7728E-06
6.7800E-10	5.8384E-03	1.1613E-07	1.1613E-07	3.7914E-02	2.9768E-00	1.6687E-06
7.4200E-10	5.9423E-03	1.2487E-07	1.2487E-07	3.7344E-02	2.9915E-00	1.5844E-06
8.0600E-10	6.0418E-03	1.3340E-07	1.3341E-07	3.6804E-02	3.0037E-00	1.5080E-06
8.7000E-10	6.1360E-03	1.4178E-07	1.4179E-07	3.6304E-02	3.0146E-00	1.4467E-06
9.3400E-10	6.2272E-03	1.4999E-07	1.4999E-07	3.5825E-02	3.0236E-00	1.3810E-06
9.9800E-10	6.3134E-03	1.5808E-07	1.5808E-07	3.5366E-02	3.0322E-00	1.3287E-06
1.0620E-09	6.3971E-03	1.6601E-07	1.6601E-07	3.4963E-02	3.0394E-00	1.2737E-06
1.1260E-09	6.4768E-03	1.7385E-07	1.7385E-07	3.4571E-02	3.0462E-00	1.2213E-06
1.1900E-09	6.5534E-03	1.8158E-07	1.8159E-07	3.4202E-02	3.0525E-00	1.1932E-06
1.2540E-09	6.6300E-03	1.8914E-07	1.8914E-07	3.3831E-02	3.0570E-00	1.1427E-06
1.3180E-09	6.7009E-03	1.9669E-07	1.9669E-07	3.3502E-02	3.0625E-00	1.1039E-06
1.3820E-09	6.7707E-03	2.0411E-07	2.0412E-07	3.3161E-02	3.0671E-00	1.0742E-06
1.4460E-09	6.8386E-03	2.1144E-07	2.1145E-07	3.2872E-02	3.0712E-00	1.0426E-06
1.5100E-09	6.9039E-03	2.1872E-07	2.1872E-07	3.2563E-02	3.0753E-00	1.0139E-06
1.5740E-09	6.9679E-03	2.2589E-07	2.2589E-07	3.2301E-02	3.0788E-00	9.8485E-05
1.7020E-09	7.0902E-03	2.4005E-07	2.4005E-07	3.1777E-02	3.0855E-00	9.3329E-05
1.8300E-09	7.2067E-03	2.5393E-07	2.5393E-07	3.1291E-02	3.0911E-00	8.8832E-05
1.9580E-09	7.3179E-03	2.6756E-07	2.6757E-07	3.0836E-02	3.0960E-00	8.4940E-05
2.0860E-09	7.4244E-03	2.8096E-07	2.8097E-07	3.0416E-02	3.1003E-00	8.1602E-05
2.3420E-09	7.6263E-03	3.0709E-07	3.0710E-07	2.9641E-02	3.1069E-00	7.5263E-05
2.5980E-09	7.8094E-03	3.3267E-07	3.3268E-07	2.8976E-02	3.1137E-00	7.0002E-05
2.8540E-09	7.9832E-03	3.5750E-07	3.5751E-07	2.8365E-02	3.1184E-00	6.5558E-05
3.1100E-09	8.1459E-03	3.8178E-07	3.8179E-07	2.7815E-02	3.1224E-00	6.1172E-05
3.3660E-09	8.2994E-03	4.0557E-07	4.0557E-07	2.7315E-02	3.1258E-00	5.8289E-05
3.8780E-09	8.5820E-03	4.5187E-07	4.5188E-07	2.6439E-02	3.1318E-00	5.2731E-05
4.3900E-09	8.8439E-03	4.9638E-07	4.9639E-07	2.5668E-02	3.1348E-00	4.8186E-05
4.9020E-09	9.0798E-03	5.3988E-07	5.3988E-07	2.5015E-02	3.1387E-00	4.4518E-05
5.4140E-09	9.3019E-03	5.8202E-07	5.8204E-07	2.4426E-02	3.1408E-00	4.1399E-05
5.9260E-09	9.5061E-03	6.2338E-07	6.2340E-07	2.3911E-02	3.1436E-00	3.8841E-05
6.9500E-09	9.8844E-03	7.0312E-07	7.0314E-07	2.3005E-02	3.1462E-00	3.4499E-05
7.9740E-09	1.0218E-02	7.8039E-07	7.8041E-07	2.2266E-02	3.1499E-00	3.1262E-05
8.9980E-09	1.0525E-02	8.5488E-07	8.5491E-07	2.1622E-02	3.1517E-00	2.8597E-05
1.0022E-08	1.0804E-02	9.2763E-07	9.2766E-07	2.1073E-02	3.1543E-00	2.6424E-05
1.1046E-08	1.1065E-02	9.9827E-07	9.9830E-07	2.0579E-02	3.1556E-00	2.4609E-05

1.2070E-08	1.1308E-02	1.0673E-06	1.0674E-06	2.0140E-02	3.1569E-00	2.3044E-05
1.3094E-08	1.1537E-02	1.1349E-06	1.1350E-06	1.9743E-02	3.1579E-00	2.1708E-05
1.4118E-08	1.1754E-02	1.2011E-06	1.2011E-06	1.9381E-02	3.1586E-00	2.0519E-05
1.5142E-08	1.1958E-02	1.2662E-06	1.2663E-06	1.9053E-02	3.1595E-00	1.9490E-05
1.6166E-08	1.2153E-02	1.3302E-06	1.3302E-06	1.8749E-02	3.1600E-00	1.8576E-05
1.7190E-08	1.2339E-02	1.3931E-06	1.3932E-06	1.8468E-02	3.1606E-00	1.7735E-05
1.9238E-08	1.2686E-02	1.5165E-06	1.5165E-06	1.7966E-02	3.1619E-00	1.6329E-05
2.1286E-08	1.3011E-02	1.6359E-06	1.6360E-06	1.7517E-02	3.1618E-00	1.5129E-05
2.3334E-08	1.3309E-02	1.7532E-06	1.7533E-06	1.7127E-02	3.1628E-00	1.4132E-05
2.5382E-08	1.3590E-02	1.8676E-06	1.8677E-06	1.6774E-02	3.1633E-00	1.3282E-05
2.7430E-08	1.3854E-02	1.9799E-06	1.9800E-06	1.6456E-02	3.1638E-00	1.2535E-05
2.9478E-08	1.4104E-02	2.0900E-06	2.0902E-06	1.6166E-02	3.1643E-00	1.1882E-05
3.1526E-08	1.4341E-02	2.1982E-06	2.1983E-06	1.5899E-02	3.1645E-00	1.1299E-05
3.3574E-08	1.4567E-02	2.3047E-06	2.3049E-06	1.5653E-02	3.1649E-00	1.0782E-05
3.5622E-08	1.4783E-02	2.4096E-06	2.4097E-06	1.5425E-02	3.1651E-00	1.0317E-05
3.7670E-08	1.4990E-02	2.5129E-06	2.5131E-06	1.5213E-02	3.1654E-00	9.8950E-06
4.1766E-08	1.5380E-02	2.7156E-06	2.7158E-06	1.4828E-02	3.1658E-00	9.1613E-06
4.5862E-08	1.5742E-02	2.9132E-06	2.9134E-06	1.4487E-02	3.1661E-00	8.5422E-06
4.9958E-08	1.6081E-02	3.1065E-06	3.1067E-06	1.4182E-02	3.1663E-00	8.0125E-06
5.4054E-08	1.6400E-02	3.2959E-06	3.2961E-06	1.3907E-02	3.1666E-00	7.5544E-06
6.2246E-08	1.6966E-02	3.6643E-06	3.6646E-06	1.3428E-02	3.1670E-00	6.7995E-06
7.0438E-08	1.7516E-02	4.0211E-06	4.0214E-06	1.3023E-02	3.1676E-00	6.2010E-06
7.8630E-08	1.8005E-02	4.3670E-06	4.3675E-06	1.2670E-02	3.1676E-00	5.7104E-06
8.6822E-08	1.8455E-02	4.7042E-06	4.7047E-06	1.2361E-02	3.1678E-00	5.3021E-06
9.5014E-08	1.8875E-02	5.0335E-06	5.0340E-06	1.2086E-02	3.1679E-00	4.9558E-06
1.0321E-07	1.9268E-02	5.3561E-06	5.3567E-06	1.1840E-02	3.1682E-00	4.6592E-06
1.1140E-07	1.9639E-02	5.6719E-06	5.6726E-06	1.1617E-02	3.1682E-00	4.3998E-06
1.2778E-07	2.0322E-02	6.2875E-06	6.2883E-06	1.1227E-02	3.1686E-00	3.9710E-06
1.4417E-07	2.0943E-02	6.8833E-06	6.8842E-06	1.0894E-02	3.1688E-00	3.6283E-06
1.6055E-07	2.1515E-02	7.4618E-06	7.4628E-06	1.0605E-02	3.1687E-00	3.3466E-06
1.7693E-07	2.2043E-02	8.0263E-06	8.0274E-06	1.0351E-02	3.1688E-00	3.1118E-06
1.9332E-07	2.2536E-02	8.5775E-06	8.5788E-06	1.0124E-02	3.1688E-00	2.9120E-06
2.0970E-07	2.2998E-02	9.1176E-06	9.1191E-06	9.9214E-01	3.1690E-00	2.7402E-06
2.2609E-07	2.3435E-02	9.6467E-06	9.6483E-06	9.7364E-01	3.1689E-00	2.5897E-06
2.5885E-07	2.4239E-02	1.0678E-05	1.0680E-05	9.4137E-01	3.1692E-00	2.3405E-06
2.9162E-07	2.4972E-02	1.1677E-05	1.1679E-05	9.1375E-01	3.1692E-00	2.1403E-06
3.2439E-07	2.5646E-02	1.2647E-05	1.2650E-05	8.8973E-01	3.1691E-00	1.9760E-06
3.5716E-07	2.6271E-02	1.3594E-05	1.3597E-05	8.6858E-01	3.1691E-00	1.8385E-06
3.8993E-07	2.6853E-02	1.4519E-05	1.4522E-05	8.4976E-01	3.1692E-00	1.7215E-06
4.2269E-07	2.7400E-02	1.5425E-05	1.5429E-05	8.3280E-01	3.1692E-00	1.6205E-06
4.5546E-07	2.7916E-02	1.6313E-05	1.6317E-05	8.1740E-01	3.1692E-00	1.5322E-06
5.2100E-07	2.8868E-02	1.8045E-05	1.8050E-05	7.9047E-01	3.1694E-00	1.3856E-06
5.8653E-07	2.9740E-02	1.9720E-05	1.9725E-05	7.6728E-01	3.1690E-00	1.2674E-06
6.5207E-07	3.0538E-02	2.1350E-05	2.1356E-05	7.4723E-01	3.1690E-00	1.1706E-06
7.1761E-07	3.1279E-02	2.2939E-05	2.2946E-05	7.2952E-01	3.1688E-00	1.0894E-06
7.8314E-07	3.1967E-02	2.4495E-05	2.4502E-05	7.1385E-01	3.1691E-00	1.0206E-06
8.4868E-07	3.2617E-02	2.6016E-05	2.6024E-05	6.9962E-01	3.1690E-00	9.6082E-07
9.7975E-07	3.3805E-02	2.8977E-05	2.8987E-05	6.7506E-01	3.1693E-00	8.6300E-07
1.1108E-06	3.4883E-02	3.1839E-05	3.1850E-05	6.5422E-01	3.1693E-00	7.8552E-07
1.2419E-06	3.5872E-02	3.4613E-05	3.4627E-05	6.3616E-01	3.1690E-00	7.2233E-07
1.3730E-06	3.6783E-02	3.7319E-05	3.7334E-05	6.2042E-01	3.1690E-00	6.7001E-07
1.5040E-06	3.7631E-02	3.9959E-05	3.9976E-05	6.0643E-01	3.1689E-00	6.2573E-07
1.6351E-06	3.8425E-02	4.2544E-05	4.2563E-05	5.9392E-01	3.1690E-00	5.8778E-07
1.7662E-06	3.9174E-02	4.5076E-05	4.5096E-05	5.8256E-01	3.1689E-00	5.5472E-07
1.8973E-06	3.9881E-02	4.7561E-05	4.7584E-05	5.7223E-01	3.1688E-00	5.2574E-07
2.0283E-06	4.0554E-02	5.0004E-05	5.0028E-05	5.6274E-01	3.1688E-00	5.0003E-07
2.2905E-06	4.1804E-02	5.4776E-05	5.4805E-05	5.4591E-01	3.1687E-00	4.5650E-07
2.5526E-06	4.2953E-02	5.9411E-05	5.9444E-05	5.3131E-01	3.1686E-00	4.2087E-07
2.8148E-06	4.4017E-02	6.3928E-05	6.3965E-05	5.1846E-01	3.1685E-00	3.9109E-07
3.0769E-06	4.5009E-02	6.8342E-05	6.8383E-05	5.0705E-01	3.1684E-00	3.6583E-07
3.3390E-06	4.5938E-02	7.2662E-05	7.2708E-05	4.9679E-01	3.1684E-00	3.4408E-07
3.8633E-06	4.7656E-02	8.1039E-05	8.1094E-05	4.7883E-01	3.1675E-00	3.0822E-07

4.3876E-06	4.9199E-02	8.9148E-05	8.9213E-05	4.6381E 01	3.1672E 00	2.8014E 03
4.9119E-06	5.0624E-02	9.6990E-05	9.7065E-05	4.5070E 01	3.1661E 00	2.5717E 03
5.4362E-06	5.1914E-02	1.0467E-04	1.0476E-04	4.3955E 01	3.1667E 00	2.3849E 03
5.9605E-06	5.3136E-02	1.1213E-04	1.1222E-04	4.2940E 01	3.1659E 00	2.2243E 03
6.4848E-06	5.4260E-02	1.1946E-04	1.1956E-04	4.2053E 01	3.1662E 00	2.0889E 03
7.0091E-06	5.5326E-02	1.2663E-04	1.2675E-04	4.1244E 01	3.1662E 00	1.9707E 03
7.5333E-06	5.6329E-02	1.3368E-04	1.3380E-04	4.0511E 01	3.1663E 00	1.8674E 03
8.0576E-06	5.7283E-02	1.4059E-04	1.4073E-04	3.9837E 01	3.1663E 00	1.7757E 03
8.5819E-06	5.8192E-02	1.4740E-04	1.4755E-04	3.9216E 01	3.1663E 00	1.6939E 03
9.1062E-06	5.9060E-02	1.5410E-04	1.5427E-04	3.8639E 01	3.1663E 00	1.6203E 03
1.0155E-05	6.0690E-02	1.6723E-04	1.6741E-04	3.7604E 01	3.1663E 00	1.4935E 03
1.1203E-05	6.2198E-02	1.8002E-04	1.8023E-04	3.6693E 01	3.1663E 00	1.3876E 03
1.2252E-05	6.3606E-02	1.9251E-04	1.9274E-04	3.5881E 01	3.1662E 00	1.2976E 03
1.3301E-05	6.4924E-02	2.0473E-04	2.0499E-04	3.5153E 01	3.1661E 00	1.2202E 03
1.5398E-05	6.7348E-02	2.2847E-04	2.2878E-04	3.3889E 01	3.1658E 00	1.0933E 03
1.7495E-05	6.9529E-02	2.5144E-04	2.5180E-04	3.2828E 01	3.1658E 00	9.9381E 02
1.9592E-05	7.1522E-02	2.7372E-04	2.7414E-04	3.1915E 01	3.1659E 00	9.1316E 02
2.1689E-05	7.3365E-02	2.9539E-04	2.9587E-04	3.1114E 01	3.1656E 00	8.4616E 02
2.3786E-05	7.5082E-02	3.1654E-04	3.1707E-04	3.0402E 01	3.1653E 00	7.8952E 02
2.7981E-05	7.8192E-02	3.5752E-04	3.5817E-04	2.9195E 01	3.1652E 00	6.9920E 02
3.2175E-05	8.0957E-02	3.9704E-04	3.9782E-04	2.8202E 01	3.1655E 00	6.3012E 02
3.6369E-05	8.3489E-02	4.3516E-04	4.3607E-04	2.7345E 01	3.1648E 00	5.7462E 02
4.0563E-05	8.5801E-02	4.7224E-04	4.7328E-04	2.6609E 01	3.1645E 00	5.2952E 02
4.8952E-05	8.9988E-02	5.4333E-04	5.4464E-04	2.5366E 01	3.1621E 00	4.5917E 02
5.7341E-05	9.3655E-02	6.1145E-04	6.1305E-04	2.4370E 01	3.1605E 00	4.0746E 02
6.5729E-05	9.6885E-02	6.7748E-04	6.7937E-04	2.3562E 01	3.1609E 00	3.6817E 02
7.4118E-05	9.9848E-02	7.4120E-04	7.4341E-04	2.2863E 01	3.1603E 00	3.3645E 02
8.2507E-05	1.0255E-01	8.0327E-04	8.0579E-04	2.2262E 01	3.1603E 00	3.1062E 02
9.0895E-05	1.0508E-01	8.6359E-04	8.6643E-04	2.1727E 01	3.1597E 00	2.8882E 02
9.9284E-05	1.0742E-01	9.2268E-04	9.2585E-04	2.1256E 01	3.1596E 00	2.7043E 02
1.0767E-04	1.0962E-01	9.8047E-04	9.8399E-04	2.0830E 01	3.1594E 00	2.5453E 02
1.1606E-04	1.1169E-01	1.0372E-03	1.0410E-03	2.0445E 01	3.1592E 00	2.4067E 02
1.2445E-04	1.1366E-01	1.0928E-03	1.0970E-03	2.0092E 01	3.1590E 00	2.2845E 02
1.4123E-04	1.1731E-01	1.2014E-03	1.2063E-03	1.9469E 01	3.1586E 00	2.0786E 02
1.5800E-04	1.2066E-01	1.3067E-03	1.3124E-03	1.8930E 01	3.1581E 00	1.9113E 02
1.7478E-04	1.2375E-01	1.4092E-03	1.4156E-03	1.8459E 01	3.1575E 00	1.7724E 02
1.9156E-04	1.2662E-01	1.5093E-03	1.5165E-03	1.8041E 01	3.1571E 00	1.6551E 02
2.0834E-04	1.2931E-01	1.6072E-03	1.6152E-03	1.7667E 01	3.1567E 00	1.5545E 02
2.4189E-04	1.3422E-01	1.7974E-03	1.8070E-03	1.7024E 01	3.1563E 00	1.3910E 02
2.7544E-04	1.3864E-01	1.9811E-03	1.9924E-03	1.6483E 01	3.1558E 00	1.2628E 02
3.0900E-04	1.4271E-01	2.1587E-03	2.1718E-03	1.6015E 01	3.1548E 00	1.1586E 02
3.4255E-04	1.4644E-01	2.3318E-03	2.3466E-03	1.5608E 01	3.1541E 00	1.0728E 02
3.7611E-04	1.4992E-01	2.5004E-03	2.5171E-03	1.5247E 01	3.1533E 00	1.0004E 02
4.0966E-04	1.5316E-01	2.6655E-03	2.6840E-03	1.4926E 01	3.1528E 00	9.3869E 01
4.4322E-04	1.5622E-01	2.8269E-03	2.8473E-03	1.4634E 01	3.1520E 00	8.8499E 01
5.1033E-04	1.6184E-01	3.1411E-03	3.1654E-03	1.4129E 01	3.1509E 00	7.9674E 01
5.7743E-04	1.6694E-01	3.4447E-03	3.4731E-03	1.3699E 01	3.1497E 00	7.2655E 01
6.4454E-04	1.7163E-01	3.7392E-03	3.7718E-03	1.3326E 01	3.1484E 00	6.6920E 01
7.1165E-04	1.7595E-01	4.0262E-03	4.0630E-03	1.3000E 01	3.1473E 00	6.2154E 01
7.7876E-04	1.7998E-01	4.3063E-03	4.3474E-03	1.2711E 01	3.1462E 00	5.8111E 01
8.4587E-04	1.8376E-01	4.5803E-03	4.6259E-03	1.2451E 01	3.1453E 00	5.4639E 01
9.1298E-04	1.8733E-01	4.8486E-03	4.8967E-03	1.2215E 01	3.1442E 00	5.1611E 01
9.8009E-04	1.9070E-01	5.1120E-03	5.1668E-03	1.2000E 01	3.1433E 00	4.8953E 01
1.0472E-03	1.9391E-01	5.3708E-03	5.4302E-03	1.1803E 01	3.1424E 00	4.6594E 01
1.1814E-03	1.9988E-01	5.8762E-03	5.9452E-03	1.1452E 01	3.1408E 00	4.2593E 01
1.3156E-03	2.0536E-01	6.3669E-03	6.4457E-03	1.1148E 01	3.1392E 00	3.9314E 01
1.4498E-03	2.1046E-01	6.8446E-03	6.9335E-03	1.0880E 01	3.1376E 00	3.6568E 01
1.5841E-03	2.1520E-01	7.3112E-03	7.4104E-03	1.0642E 01	3.1362E 00	3.4237E 01
1.7183E-03	2.1966E-01	7.7676E-03	7.8772E-03	1.0428E 01	3.1348E 00	3.2226E 01
1.8525E-03	2.2386E-01	8.2150E-03	8.3353E-03	1.0234E 01	3.1335E 00	3.0475E 01
1.9867E-03	2.2785E-01	8.6538E-03	8.7850E-03	1.0056E 01	3.1322E 00	2.8930E 01
2.2552E-03	2.3525E-01	9.5095E-03	9.6629E-03	9.7425E 00	3.1298E 00	2.6330E 01

2.5236E-02	2.4203E-01	1.0339E-02	1.0515E-02	9.4719E 00	3.1274E 00	2.4218E 01
2.7920E-03	2.4829E-01	1.1145E-02	1.1345E-02	9.2354E 00	3.1253E 00	2.2467E 01
3.0605E-03	2.5412E-01	1.1932E-02	1.2155E-02	9.0259E 00	3.1232E 00	2.0988E 01
3.5973E-03	2.6469E-01	1.3454E-02	1.3727E-02	8.6697E 00	3.1197E 00	1.8624E 01
4.1342E-03	2.7413E-01	1.4920E-02	1.5243E-02	8.3756E 00	3.1168E 00	1.6810E 01
4.6711E-03	2.8278E-01	1.6331E-02	1.6706E-02	8.1220E 00	3.1130E 00	1.5351E 01
5.2079E-03	2.9069E-01	1.7701E-02	1.8130E-02	7.9039E 00	3.1098E 00	1.4164E 01
5.7448E-03	2.9804E-01	1.9033E-02	1.9518E-02	7.7115E 00	3.1067E 00	1.3170E 01
6.2817E-03	3.0484E-01	2.0337E-02	2.0877E-02	7.5426E 00	3.1043E 00	1.2334E 01
6.8186E-03	3.1128E-01	2.1606E-02	2.2204E-02	7.3888E 00	3.1014E 00	1.1608E 01
7.3554E-03	3.1733E-01	2.2852E-02	2.3507E-02	7.2504E 00	3.0989E 00	1.0977E 01
7.8923E-03	3.2337E-01	2.4072E-02	2.4786E-02	7.1237E 00	3.0964E 00	1.0422E 01
8.4292E-03	3.2853E-01	2.5271E-02	2.6044E-02	7.0075E 00	3.0940E 00	9.9286E 00
8.9660E-03	3.3374E-01	2.6448E-02	2.7283E-02	6.9000E 00	3.0916E 00	9.4871E 00
1.0040E-02	3.4350E-01	2.8749E-02	2.9707E-02	6.7078E 00	3.0873E 00	8.7300E 00
1.1114E-02	3.5253E-01	3.0983E-02	3.2067E-02	6.5394E 00	3.0831E 00	8.1017E 00
1.2187E-02	3.6094E-01	3.3159E-02	3.4371E-02	6.3903E 00	3.0791E 00	7.5710E 00
1.3261E-02	3.6882E-01	3.5284E-02	3.6627E-02	6.2569E 00	3.0753E 00	7.1165E 00
1.5408E-02	3.8326E-01	3.9399E-02	4.1009E-02	6.0269E 00	3.0683E 00	6.3763E 00
1.7556E-02	3.9625E-01	4.3363E-02	4.5247E-02	5.8348E 00	3.0622E 00	5.7985E 00
1.9703E-02	4.0822E-01	4.7184E-02	4.9350E-02	5.6684E 00	3.0558E 00	5.3288E 00
2.1851E-02	4.1923E-01	5.0955E-02	5.3348E-02	5.5239E 00	3.0501E 00	4.9420E 00
2.6146E-02	4.3926E-01	5.8002E-02	6.1044E-02	5.2792E 00	3.0383E 00	4.3329E 00
3.0441E-02	4.5700E-01	6.4786E-02	6.8436E-02	5.0809E 00	3.0278E 00	3.8778E 00
3.4736E-02	4.7280E-01	7.1334E-02	7.5604E-02	4.9182E 00	3.0196E 00	3.5270E 00
3.9031E-02	4.8737E-01	7.7634E-02	8.2537E-02	4.7772E 00	3.0112E 00	3.2420E 00
4.3326E-02	5.0075E-01	8.3748E-02	8.9296E-02	4.6554E 00	3.0037E 00	3.0081E 00
4.7621E-02	5.1329E-01	8.9674E-02	9.5877E-02	4.5468E 00	2.9961E 00	2.8102E 00
5.6211E-02	5.3591E-01	1.0112E-01	1.0866E-01	4.3651E 00	2.9834E 00	2.4974E 00
6.4801E-02	5.5627E-01	1.1204E-01	1.2094E-01	4.2144E 00	2.9712E 00	2.2569E 00
7.3391E-02	5.7486E-01	1.2252E-01	1.3281E-01	4.0861E 00	2.9595E 00	2.0654E 00
8.1980E-02	5.9191E-01	1.3265E-01	1.4435E-01	3.9761E 00	2.9490E 00	1.9098E 00
9.0570E-02	6.0773E-01	1.4247E-01	1.5559E-01	3.8797E 00	2.9391E 00	1.7803E 00
9.9160E-02	6.2253E-01	1.5200E-01	1.6657E-01	3.7943E 00	2.9298E 00	1.6704E 00
1.0775E-01	6.3649E-01	1.6127E-01	1.7730E-01	3.7174E 00	2.9207E 00	1.5756E 00
1.1634E-01	6.4967E-01	1.7033E-01	1.8782E-01	3.6481E 00	2.9123E 00	1.4934E 00
1.3352E-01	6.7415E-01	1.8783E-01	2.0829E-01	3.5268E 00	2.8963E 00	1.3565E 00
1.5070E-01	6.9652E-01	2.0463E-01	2.2809E-01	3.4240E 00	2.8815E 00	1.2471E 00
1.6788E-01	7.1708E-01	2.2087E-01	2.4736E-01	3.3358E 00	2.8684E 00	1.1580E 00
1.8506E-01	7.3631E-01	2.3657E-01	2.6610E-01	3.2579E 00	2.8557E 00	1.0830E 00
2.0224E-01	7.5433E-01	2.5181E-01	2.8440E-01	3.1888E 00	2.8439E 00	1.0193E 00
2.1942E-01	7.7141E-01	2.6661E-01	3.0227E-01	3.1264E 00	2.8324E 00	9.6402E-01
2.5378E-01	8.0286E-01	2.9517E-01	3.3702E-01	3.0194E 00	2.8117E 00	8.7369E-01
2.8814E-01	8.3167E-01	3.2244E-01	3.7048E-01	2.9289E 00	2.7924E 00	8.0199E-01
3.2250E-01	8.5820E-01	3.4866E-01	4.0291E-01	2.8517E 00	2.7749E 00	7.4386E-01
3.5686E-01	8.8293E-01	3.7395E-01	4.3441E-01	2.7842E 00	2.7585E 00	6.9546E-01
3.9122E-01	9.0603E-01	3.9846E-01	4.6512E-01	2.7251E 00	2.7436E 00	6.5464E-01
4.2558E-01	9.2793E-01	4.2221E-01	4.9506E-01	2.6720E 00	2.7292E 00	6.1942E-01
4.9430E-01	9.6835E-01	4.6787E-01	5.5304E-01	2.5812E 00	2.7032E 00	5.6200E-01
5.6302E-01	1.0054E 00	5.1126E-01	6.0867E-01	2.5050E 00	2.6791E 00	5.1665E-01
6.3174E-01	1.0397E 00	5.5286E-01	6.6238E-01	2.4403E 00	2.6574E 00	4.7997E-01
7.0046E-01	1.0716E 00	5.9291E-01	7.1444E-01	2.3845E 00	2.6375E 00	4.4961E-01
8.3789E-01	1.1295E 00	6.6924E-01	8.1441E-01	2.2928E 00	2.6027E 00	4.0219E-01
9.7533E-01	1.1818E 00	7.4113E-01	9.0944E-01	2.2191E 00	2.5720E 00	3.6638E-01
1.1128E 00	1.2300E 00	8.0926E-01	1.0002E 00	2.1577E 00	2.5441E 00	3.3812E-01
1.2502E 00	1.2749E 00	8.7413E-01	1.0871E 00	2.1052E 00	2.5181E 00	3.1508E-01
1.3877E 00	1.3169E 00	9.3643E-01	1.1710E 00	2.0601E 00	2.4946E 00	2.9600E-01
1.5251E 00	1.3564E 00	9.9646E-01	1.2522E 00	2.0208E 00	2.4730E 00	2.7988E-01
1.6625E 00	1.3939E 00	1.0545E 00	1.3309E 00	1.9862E 00	2.4531E 00	2.6606E-01
1.8000E 00	1.4296E 00	1.1107E 00	1.4074E 00	1.9552E 00	2.4345E 00	2.5400E-01
1.9274E 00	1.4638E 00	1.1653E 00	1.4818E 00	1.9273E 00	2.4170E 00	2.4340E-01
2.0748E 00	1.4966E 00	1.2185E 00	1.5543E 00	1.9021E 00	2.4006E 00	2.3398E-01

2.3497E 00	1.5586E 00	1.3208E 00	1.6943E 00	1.8579E 00	2.3704E 00	2.1793E-01
2.6246E 00	1.6167E 00	1.4186E 00	1.8283E 00	1.8203E 00	2.3432E 00	2.0470E-01
2.8995E 00	1.6714E 00	1.5125E 00	1.9571E 00	1.7879E 00	2.3184E 00	1.9356E-01
3.1744E 00	1.7232E 00	1.6029E 00	2.0813E 00	1.7595E 00	2.2957E 00	1.8402E-01
3.4492E 00	1.7726E 00	1.6903E 00	2.2013E 00	1.7343E 00	2.2747E 00	1.7573E-01
3.9990E 00	1.8648E 00	1.8578E 00	2.4311E 00	1.6919E 00	2.2376E 00	1.6200E-01
4.5487E 00	1.9505E 00	2.0160E 00	2.6480E 00	1.6566E 00	2.2045E 00	1.5093E-01
5.0985E 00	2.0310E 00	2.1666E 00	2.8542E 00	1.6265E 00	2.1749E 00	1.4174E-01
5.6483E 00	2.1067E 00	2.3108E 00	3.0513E 00	1.6005E 00	2.1482E 00	1.3397E-01
6.1980E 00	2.1784E 00	2.4497E 00	3.2407E 00	1.5777E 00	2.1240E 00	1.2728E-01
6.7478E 00	2.2468E 00	2.5836E 00	3.4230E 00	1.5574E 00	2.1018E 00	1.2142E-01
7.2975E 00	2.3121E 00	2.7133E 00	3.5992E 00	1.5392E 00	2.0814E 00	1.1624E-01
8.3970E 00	2.4350E 00	2.9615E 00	3.9355E 00	1.5075E 00	2.0449E 00	1.0741E-01
9.4965E 00	2.5491E 00	3.1972E 00	4.2536E 00	1.4807E 00	2.0130E 00	1.0013E-01
1.0596E 01	2.6555E 00	3.4230E 00	4.5575E 00	1.4576E 00	1.9851E 00	9.3995E-02
1.1696E 01	2.7558E 00	3.6396E 00	4.8482E 00	1.4372E 00	1.9601E 00	8.8694E-02
1.2795E 01	2.8507E 00	3.8488E 00	5.1282E 00	1.4190E 00	1.9377E 00	8.4063E-02
1.3895E 01	2.9410E 00	4.0509E 00	5.3981E 00	1.4024E 00	1.9171E 00	7.9951E-02
1.6094E 01	3.1087E 00	4.4390E 00	5.9151E 00	1.3736E 00	1.8816E 00	7.2983E-02
1.8293E 01	3.2629E 00	4.8078E 00	6.4047E 00	1.3490E 00	1.8513E 00	6.7228E-02
2.0492E 01	3.4052E 00	5.1618E 00	6.8735E 00	1.3278E 00	1.8254E 00	6.2384E-02
2.4890E 01	3.6622E 00	5.8331E 00	7.7596E 00	1.2924E 00	1.7829E 00	5.4592E-02
2.9288E 01	3.8868E 00	6.4712E 00	8.5994E 00	1.2651E 00	1.7507E 00	4.8618E-02
3.3686E 01	4.0891E 00	7.0787E 00	9.3970E 00	1.2422E 00	1.7243E 00	4.3785E-02
3.8084E 01	4.2725E 00	7.6637E 00	1.0164E 01	1.2232E 00	1.7026E 00	3.9794E-02
4.2482E 01	4.4405E 00	8.2297E 00	1.0904E 01	1.2071E 00	1.6845E 00	3.6422E-02
4.6880E 01	4.5941E 00	8.7823E 00	1.1626E 01	1.1937E 00	1.6696E 00	3.3549E-02
5.1278E 01	4.7363E 00	9.3222E 00	1.2331E 01	1.1823E 00	1.6570E 00	3.1055E-02
6.0074E 01	4.9900E 00	1.0375E 01	1.3703E 01	1.1650E 00	1.6376E 00	2.6950E-02

A = 10.0000E-04

B = 3.0000E-03

EPS = 5.0000E-02

GAM = 10.0000E-02

X	Y	NUC	NLW	ETAMC	NURATIO	DY/DX
0.	4.0000E-03	0.	0.	8.3334E 02	0.	5.1673E 06
10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	-6.1707E 02	5.7424E-01	5.2596E 06
2.0000E-12	4.0105E-03	4.9869E-10	4.9870E-10	-3.8757E 02	6.8199E-01	5.0709E 06
3.0000E-12	4.0154E-03	7.4711E-10	7.4712E-10	-2.7112E 02	7.5381E-01	5.1458E 06
4.0000E-12	4.0206E-03	9.9487E-10	9.9487E-10	-1.9577E 02	8.0898E-01	5.2510E 06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	-9.9194E 01	8.9288E-01	5.1792E 06
8.0000E-12	4.0417E-03	1.9794E-09	1.9794E-09	-3.7036E 01	9.5702E-01	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	7.6843E 00	1.0094E 00	4.9651E 06
1.4000E-11	4.0711E-03	3.4388E-09	3.4389E-09	6.9516E 01	1.0928E 00	4.9653E 06
2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	1.4166E 02	1.2117E 00	4.7985E 06
3.0000E-11	4.1486E-03	7.2314E-09	7.2314E-09	1.8422E 02	1.2975E 00	4.7803E 06
3.8000E-11	4.1867E-03	9.0763E-09	9.0763E-09	2.1243E 02	1.3639E 00	4.5731E 06
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	2.3303E 02	1.4187E 00	4.4351E 06
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	2.4838E 02	1.4646E 00	4.3282E 06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	2.6027E 02	1.5039E 00	4.2018E 06
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	2.6977E 02	1.5384E 00	4.2010E 06
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	2.8311E 02	1.5948E 00	3.9503E 06
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-08	2.9283E 02	1.6421E 00	3.7471E 06
1.1800E-10	4.5098E-03	2.6165E-08	2.6165E-08	2.9940E 02	1.6809E 00	3.6882E 06
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-08	3.0344E 02	1.7123E 00	3.4591E 06
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	3.0702E 02	1.7414E 00	3.3607E 06
1.6600E-10	4.6752E-03	3.5506E-08	3.5507E-08	3.0921E 02	1.7658E 00	3.3017E 06
1.8200E-10	4.7278E-03	3.8495E-08	3.8496E-08	3.1046E 02	1.7868E 00	3.1505E 06
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-08	3.1151E 02	1.8063E 00	3.1024E 06
2.1400E-10	4.8257E-03	4.4346E-08	4.4346E-08	3.1182E 02	1.8229E 00	2.9943E 06
2.3000E-10	4.8723E-03	4.7205E-08	4.7206E-08	3.1198E 02	1.8383E 00	2.8467E 06
2.4600E-10	4.9165E-03	5.0035E-08	5.0036E-08	3.1203E 02	1.8526E 00	2.8071E 06
2.6200E-10	4.9611E-03	5.2811E-08	5.2811E-08	3.1166E 02	1.8651E 00	2.7192E 06
2.7800E-10	5.0036E-03	5.5560E-08	5.5560E-08	3.1125E 02	1.8769E 00	2.6614E 06

2.9400E-10	5.0459E-03	5.8265E-08	5.8265E-08	3.1059E 02	1.8874E 00	2.6123E 06
3.1000E-10	5.0874E-03	6.0935E-08	6.0935E-08	3.0982E 02	1.8970E 00	2.5539E 06
3.2600E-10	5.1277E-03	6.3576E-08	6.3576E-08	3.0898E 02	1.9059E 00	2.4836E 06
3.5800E-10	5.2044E-03	6.8788E-08	6.8788E-08	3.0730E 02	1.9223E 00	2.3561E 06
4.2200E-10	5.3471E-03	7.8921E-08	7.8922E-08	3.0362E 02	1.9495E 00	2.1933E 06
4.8600E-10	5.4869E-03	8.8575E-08	8.8575E-08	2.9883E 02	1.9681E 00	2.0209E 06
5.5000E-10	5.6104E-03	9.8031E-08	9.8032E-08	2.9485E 02	1.9852E 00	1.8908E 06
6.1400E-10	5.7284E-03	1.0718E-07	1.0719E-07	2.9074E 02	1.9986E 00	1.7728E 06
6.7800E-10	5.8384E-03	1.1613E-07	1.1613E-07	2.8691E 02	2.0101E 00	1.6687E 06
7.4200E-10	5.9423E-03	1.2487E-07	1.2487E-07	2.8326E 02	2.0200E 00	1.5844E 06
8.0600E-10	6.0418E-03	1.3340E-07	1.3341E-07	2.7971E 02	2.0283E 00	1.5080E 06
8.7000E-10	6.1360E-03	1.4178E-07	1.4179E-07	2.7638E 02	2.0357E 00	1.4467E 06
9.3400E-10	6.2272E-03	1.4999E-07	1.4999E-07	2.7312E 02	2.0418E 00	1.3810E 06
9.9800E-10	6.3134E-03	1.5808E-07	1.5808E-07	2.7012E 02	2.0475E 00	1.3287E 06
1.0620E-09	6.3971E-03	1.6601E-07	1.6601E-07	2.6719E 02	2.0524E 00	1.2737E 06
1.1260E-09	6.4768E-03	1.7385E-07	1.7385E-07	2.6446E 02	2.0570E 00	1.2213E 06
1.1900E-09	6.5534E-03	1.8158E-07	1.8159E-07	2.6188E 02	2.0613E 00	1.1932E 06
1.2540E-09	6.6300E-03	1.8914E-07	1.8914E-07	2.5922E 02	2.0643E 00	1.1427E 06
1.3180E-09	6.7009E-03	1.9669E-07	1.9669E-07	2.5691E 02	2.0680E 00	1.1039E 06
1.3820E-09	6.7707E-03	2.0411E-07	2.0412E-07	2.5462E 02	2.0711E 00	1.0742E 06
1.4460E-09	6.8386E-03	2.1144E-07	2.1145E-07	2.5240E 02	2.0739E 00	1.0426E 06
1.5100E-09	6.9039E-03	2.1872E-07	2.1872E-07	2.5033E 02	2.0767E 00	1.0139E 06
1.5740E-09	6.9679E-03	2.2589E-07	2.2589E-07	2.4829E 02	2.0790E 00	9.8485E 05
1.7020E-09	7.0902E-03	2.4005E-07	2.4005E-07	2.4449E 02	2.0835E 00	9.3329E 05
1.8300E-09	7.2067E-03	2.5393E-07	2.5393E-07	2.4095E 02	2.0873E 00	8.8832E 05
1.9580E-09	7.3179E-03	2.6756E-07	2.6757E-07	2.3763E 02	2.0906E 00	8.4940E 05
2.0860E-09	7.4244E-03	2.8096E-07	2.8097E-07	2.3452E 02	2.0935E 00	8.1602E 05
2.3420E-09	7.6263E-03	3.0709E-07	3.0710E-07	2.2875E 02	2.0980E 00	7.5263E 05
2.5980E-09	7.8094E-03	3.3267E-07	3.3268E-07	2.2384E 02	2.1026E 00	7.0002E 05
2.8540E-09	7.9832E-03	3.5750E-07	3.5751E-07	2.1926E 02	2.1057E 00	6.5558E 05
3.1100E-09	8.1459E-03	3.8178E-07	3.8179E-07	2.1513E 02	2.1084E 00	6.1712E 05
3.3660E-09	8.2994E-03	4.0557E-07	4.0557E-07	2.1136E 02	2.1108E 00	5.8289E 05
3.8780E-09	8.5820E-03	4.5187E-07	4.5188E-07	2.0475E 02	2.1148E 00	5.2731E 05
4.3900E-09	8.8439E-03	4.9638E-07	4.9639E-07	1.9886E 02	2.1168E 00	4.8186E 05
4.9020E-09	9.0798E-03	5.3987E-07	5.3988E-07	1.9391E 02	2.1195E 00	4.4518E 05
5.4140E-09	9.3019E-03	5.8202E-07	5.8204E-07	1.8939E 02	2.1209E 00	4.1399E 05
5.9260E-09	9.5061E-03	6.2338E-07	6.2340E-07	1.8547E 02	2.1227E 00	3.8841E 05
6.9500E-09	9.8844E-03	7.0312E-07	7.0314E-07	1.7850E 02	2.1245E 00	3.4499E 05
7.9740E-09	1.0218E-02	7.8039E-07	7.8041E-07	1.7286E 02	2.1270E 00	3.1262E 05
8.9980E-09	1.0525E-02	8.5488E-07	8.5491E-07	1.6789E 02	2.1282E 00	2.8597E 05
1.0022E-08	1.0804E-02	9.2763E-07	9.2766E-07	1.6369E 02	2.1300E 00	2.6424E 05
1.1046E-08	1.1065E-02	9.9827E-07	9.9830E-07	1.5988E 02	2.1309E 00	2.4609E 05
1.2070E-08	1.1308E-02	1.0673E-06	1.0674E-06	1.5649E 02	2.1317E 00	2.3044E 05
1.3094E-08	1.1537E-02	1.1349E-06	1.1350E-06	1.5344E 02	2.1324E 00	2.1708E 05
1.4118E-08	1.1754E-02	1.2011E-06	1.2011E-06	1.5063E 02	2.1329E 00	2.0519E 05
1.5142E-08	1.1958E-02	1.2662E-06	1.2663E-06	1.4810E 02	2.1335E 00	1.9490E 05
1.6166E-08	1.2153E-02	1.3302E-06	1.3302E-06	1.4574E 02	2.1339E 00	1.8576E 05
1.7190E-08	1.2339E-02	1.3931E-06	1.3932E-06	1.4357E 02	2.1342E 00	1.7735E 05
1.9238E-08	1.2686E-02	1.5165E-06	1.5165E-06	1.3970E 02	2.1351E 00	1.6329E 05
2.1286E-08	1.3011E-02	1.6359E-06	1.6360E-06	1.3620E 02	2.1351E 00	1.5129E 05
2.3334E-08	1.3309E-02	1.7532E-06	1.7533E-06	1.3319E 02	2.1357E 00	1.4132E 05
2.5382E-08	1.3590E-02	1.8676E-06	1.8677E-06	1.3045E 02	2.1361E 00	1.3282E 05
2.7430E-08	1.3854E-02	1.9799E-06	1.9800E-06	1.2799E 02	2.1364E 00	1.2535E 05
2.9478E-08	1.4104E-02	2.0900E-06	2.0902E-06	1.2574E 02	2.1367E 00	1.1882E 05
3.1526E-08	1.4341E-02	2.1982E-06	2.1983E-06	1.2366E 02	2.1369E 00	1.1299E 05
3.3574E-08	1.4567E-02	2.3047E-06	2.3049E-06	1.2176E 02	2.1371E 00	1.0782E 05
3.5622E-08	1.4783E-02	2.4096E-06	2.4097E-06	1.1999E 02	2.1373E 00	1.0317E 05
3.7670E-08	1.4990E-02	2.5129E-06	2.5131E-06	1.1834E 02	2.1375E 00	9.8950E 04
4.1766E-08	1.5380E-02	2.7156E-06	2.7158E-06	1.1536E 02	2.1378E 00	9.1613E 04
4.5862E-08	1.5742E-02	2.9132E-06	2.9134E-06	1.1271E 02	2.1379E 00	8.5422E 04
4.9958E-08	1.6081E-02	3.1065E-06	3.1067E-06	1.1034E 02	2.1381E 00	8.0125E 04
5.4054E-08	1.6400E-02	3.2959E-06	3.2961E-06	1.0821E 02	2.1383E 00	7.5544E 04

6.2246E-08	1.6986E-02	3.6643E-06	3.6646E-06	1.0448E-02	2.1386E-00	6.7995E-04
7.0438E-08	1.7516E-02	4.0211E-06	4.0214E-06	1.0134E-02	2.1390E-00	6.2010E-04
7.8630E-08	1.8005E-02	4.3670E-06	4.3675E-06	9.8591E-01	2.1390E-00	5.7104E-04
8.6822E-08	1.8455E-02	4.7042E-06	4.7047E-06	9.6189E-01	2.1391E-00	5.3021E-04
9.5014E-08	1.8875E-02	5.0335E-06	5.0340E-06	9.4049E-01	2.1392E-00	4.9558E-04
1.0321E-07	1.9268E-02	5.3561E-06	5.3567E-06	9.2141E-01	2.1394E-00	4.6592E-04
1.1140E-07	1.9639E-02	5.6719E-06	5.6726E-06	9.0401E-01	2.1394E-00	4.3998E-04
1.2778E-07	2.0322E-02	6.2875E-06	6.2883E-06	8.7374E-01	2.1397E-00	3.9710E-04
1.4417E-07	2.0943E-02	6.8833E-06	6.8842E-06	8.4787E-01	2.1398E-00	3.6283E-04
1.6055E-07	2.1515E-02	7.4618E-06	7.4628E-06	8.2532E-01	2.1397E-00	3.3466E-04
1.7693E-07	2.2043E-02	8.0263E-06	8.0274E-06	8.0558E-01	2.1398E-00	3.1118E-04
1.9332E-07	2.2536E-02	8.5775E-06	8.5788E-06	7.8795E-01	2.1398E-00	2.9120E-04
2.0970E-07	2.2998E-02	9.1176E-06	9.1191E-06	7.7217E-01	2.1399E-00	2.7402E-04
2.2609E-07	2.3435E-02	9.6467E-06	9.6483E-06	7.5777E-01	2.1399E-00	2.5897E-04
2.5885E-07	2.4239E-02	1.0678E-05	1.0680E-05	7.3268E-01	2.1401E-00	2.3405E-04
2.9162E-07	2.4972E-02	1.1677E-05	1.1679E-05	7.1118E-01	2.1401E-00	2.1403E-04
3.2439E-07	2.5646E-02	1.2647E-05	1.2650E-05	6.9248E-01	2.1400E-00	1.9760E-04
3.5716E-07	2.6271E-02	1.3594E-05	1.3597E-05	6.7602E-01	2.1400E-00	1.8385E-04
3.8993E-07	2.6853E-02	1.4519E-05	1.4522E-05	6.6138E-01	2.1401E-00	1.7215E-04
4.2269E-07	2.7400E-02	1.5425E-05	1.5429E-05	6.4818E-01	2.1400E-00	1.6205E-04
4.5546E-07	2.7916E-02	1.6313E-05	1.6317E-05	6.3620E-01	2.1400E-00	1.5322E-04
5.2100E-07	2.8868E-02	1.8045E-05	1.8050E-05	6.1525E-01	2.1402E-00	1.3856E-04
5.8653E-07	2.9740E-02	1.9720E-05	1.9725E-05	5.9717E-01	2.1399E-00	1.2674E-04
6.5207E-07	3.0538E-02	2.1350E-05	2.1356E-05	5.8156E-01	2.1399E-00	1.1706E-04
7.1761E-07	3.1279E-02	2.2939E-05	2.2946E-05	5.6777E-01	2.1398E-00	1.0894E-04
7.8314E-07	3.1967E-02	2.4495E-05	2.4502E-05	5.5560E-01	2.1400E-00	1.0206E-04
8.4868E-07	3.2617E-02	2.6016E-05	2.6024E-05	5.4451E-01	2.1399E-00	9.6082E-03
9.7975E-07	3.3805E-02	2.8577E-05	2.8587E-05	5.2542E-01	2.1401E-00	8.6300E-03
1.1108E-06	3.4883E-02	3.1839E-05	3.1850E-05	5.0920E-01	2.1401E-00	7.8552E-03
1.2419E-06	3.5872E-02	3.4613E-05	3.4627E-05	4.9512E-01	2.1399E-00	7.2233E-03
1.3730E-06	3.6783E-02	3.7319E-05	3.7334E-05	4.8287E-01	2.1399E-00	6.7001E-03
1.5040E-06	3.7631E-02	3.9959E-05	3.9976E-05	4.7198E-01	2.1399E-00	6.2573E-03
1.6351E-06	3.8425E-02	4.2544E-05	4.2563E-05	4.6224E-01	2.1399E-00	5.8778E-03
1.7662E-06	3.9174E-02	4.5076E-05	4.5096E-05	4.5340E-01	2.1398E-00	5.5472E-03
1.8973E-06	3.9881E-02	4.7561E-05	4.7584E-05	4.4536E-01	2.1398E-00	5.2574E-03
2.0283E-06	4.0554E-02	5.0004E-05	5.0028E-05	4.3797E-01	2.1398E-00	5.0003E-03
2.2905E-06	4.1804E-02	5.4776E-05	5.4805E-05	4.2487E-01	2.1397E-00	4.5650E-03
2.5526E-06	4.2953E-02	5.9411E-05	5.9444E-05	4.1350E-01	2.1397E-00	4.2087E-03
2.8148E-06	4.4017E-02	6.3928E-05	6.3965E-05	4.0349E-01	2.1396E-00	3.9109E-03
3.0769E-06	4.5009E-02	6.8342E-05	6.8383E-05	3.9461E-01	2.1395E-00	3.6583E-03
3.3390E-06	4.5938E-02	7.2662E-05	7.2708E-05	3.8662E-01	2.1395E-00	3.4408E-03
3.8633E-06	4.7656E-02	8.1039E-05	8.1094E-05	3.7261E-01	2.1389E-00	3.0822E-03
4.3876E-06	4.9199E-02	8.9148E-05	8.9213E-05	3.6091E-01	2.1387E-00	2.8014E-03
4.9119E-06	5.0624E-02	9.6990E-05	9.7065E-05	3.5065E-01	2.1380E-00	2.5717E-03
5.4362E-06	5.1914E-02	1.0467E-04	1.0476E-04	3.4200E-01	2.1384E-00	2.3849E-03
5.9605E-06	5.3136E-02	1.1213E-04	1.1222E-04	3.3407E-01	2.1378E-00	2.2243E-03
6.4848E-06	5.4260E-02	1.1946E-04	1.1956E-04	3.2718E-01	2.1380E-00	2.0889E-03
7.0091E-06	5.5326E-02	1.2663E-04	1.2675E-04	3.2089E-01	2.1380E-00	1.9707E-03
7.5333E-06	5.6329E-02	1.3368E-04	1.3380E-04	3.1519E-01	2.1381E-00	1.8674E-03
8.0576E-06	5.7283E-02	1.4059E-04	1.4073E-04	3.0995E-01	2.1381E-00	1.7757E-03
8.5819E-06	5.8192E-02	1.4740E-04	1.4755E-04	3.0511E-01	2.1381E-00	1.6939E-03
9.1062E-06	5.9060E-02	1.5410E-04	1.5427E-04	3.0063E-01	2.1381E-00	1.6203E-03
1.0155E-05	6.0690E-02	1.6723E-04	1.6741E-04	2.9257E-01	2.1381E-00	1.4934E-03
1.1203E-05	6.2198E-02	1.8002E-04	1.8023E-04	2.8549E-01	2.1381E-00	1.3876E-03
1.2252E-05	6.3606E-02	1.9251E-04	1.9274E-04	2.7917E-01	2.1380E-00	1.2976E-03
1.3301E-05	6.4925E-02	2.0473E-04	2.0499E-04	2.7350E-01	2.1380E-00	1.2202E-03
1.4349E-05	6.6168E-02	2.1672E-04	2.1700E-04	2.6837E-01	2.1379E-00	1.1528E-03
1.5398E-05	6.7345E-02	2.2849E-04	2.2880E-04	2.6368E-01	2.1379E-00	1.0935E-03
1.7495E-05	6.9532E-02	2.5142E-04	2.5179E-04	2.5538E-01	2.1377E-00	9.9366E-02
1.9592E-05	7.1534E-02	2.7367E-04	2.7409E-04	2.4822E-01	2.1374E-00	9.1268E-02
2.1689E-05	7.3376E-02	2.9535E-04	2.9583E-04	2.4200E-01	2.1373E-00	8.4580E-02
2.3786E-05	7.5069E-02	3.1651E-04	3.1704E-04	2.3648E-01	2.1373E-00	7.8932E-02

2.5883E-05	7.6691E-02	3.3721E-04	3.3780E-04	2.3155E 01	2.1372E 00	7.4098E 02
2.7981E-05	7.8202E-02	3.5747E-04	3.5812E-04	2.2707E 01	2.1370E 00	6.9892E 02
3.0078E-05	7.9628E-02	3.7737E-04	3.7808E-04	2.2300E 01	2.1370E 00	6.6211E 02
3.2175E-05	8.0983E-02	3.9691E-04	3.9769E-04	2.1927E 01	2.1369E 00	6.2951E 02
3.6369E-05	8.3501E-02	4.3510E-04	4.3601E-04	2.1267E 01	2.1368E 00	5.7438E 02
4.0563E-05	8.5811E-02	4.7219E-04	4.7323E-04	2.0695E 01	2.1366E 00	5.2934E 02
4.4758E-05	8.7953E-02	5.0829E-04	5.0947E-04	2.0190E 01	2.1364E 00	4.9169E 02
4.8952E-05	8.9946E-02	5.4358E-04	5.4490E-04	1.9743E 01	2.1363E 00	4.5982E 02
5.3146E-05	9.1816E-02	5.7811E-04	5.7956E-04	1.9341E 01	2.1361E 00	4.3236E 02
5.7341E-05	9.3576E-02	6.1197E-04	6.1357E-04	1.8978E 01	2.1360E 00	4.0849E 02
6.1535E-05	9.5246E-02	6.4519E-04	6.4694E-04	1.8645E 01	2.1358E 00	3.8745E 02
6.9924E-05	9.8340E-02	7.1002E-04	7.1207E-04	1.8059E 01	2.1356E 00	3.5212E 02
7.8312E-05	1.0117E-01	7.7287E-04	7.7523E-04	1.7553E 01	2.1352E 00	3.2346E 02
8.6701E-05	1.0378E-01	8.3405E-04	8.3673E-04	1.7111E 01	2.1350E 00	2.9973E 02
9.5089E-05	1.0621E-01	8.9378E-04	8.9679E-04	1.6720E 01	2.1347E 00	2.7972E 02
1.1187E-04	1.1061E-01	1.0095E-03	1.0132E-03	1.6058E 01	2.1346E 00	2.4780E 02
1.2864E-04	1.1453E-01	1.1211E-03	1.1255E-03	1.5511E 01	2.1346E 00	2.2332E 02
1.4542E-04	1.1812E-01	1.2286E-03	1.2337E-03	1.5037E 01	2.1338E 00	2.0366E 02
1.6220E-04	1.2140E-01	1.3332E-03	1.3390E-03	1.4631E 01	2.1334E 00	1.8767E 02
1.7898E-04	1.2444E-01	1.4350E-03	1.4416E-03	1.4272E 01	2.1329E 00	1.7432E 02
1.9575E-04	1.2725E-01	1.5347E-03	1.5421E-03	1.3959E 01	2.1328E 00	1.6308E 02
2.1253E-04	1.2991E-01	1.6319E-03	1.6401E-03	1.3672E 01	2.1323E 00	1.5332E 02
2.2931E-04	1.3240E-01	1.7274E-03	1.7364E-03	1.3414E 01	2.1320E 00	1.4486E 02
2.4608E-04	1.3477E-01	1.8210E-03	1.8309E-03	1.3179E 01	2.1317E 00	1.3741E 02
2.6286E-04	1.3702E-01	1.9131E-03	1.9238E-03	1.2962E 01	2.1314E 00	1.3080E 02
2.7964E-04	1.3916E-01	2.0037E-03	2.0152E-03	1.2763E 01	2.1311E 00	1.2488E 02
3.1319E-04	1.4317E-01	2.1809E-03	2.1941E-03	1.2405E 01	2.1305E 00	1.1474E 02
3.4675E-04	1.4688E-01	2.3532E-03	2.3683E-03	1.2092E 01	2.1299E 00	1.0633E 02
3.8030E-04	1.5033E-01	2.5214E-03	2.5383E-03	1.1814E 01	2.1294E 00	9.9233E 01
4.1386E-04	1.5355E-01	2.6858E-03	2.7046E-03	1.1566E 01	2.1289E 00	9.3158E 01
4.8097E-04	1.5945E-01	3.0050E-03	3.0276E-03	1.1138E 01	2.1280E 00	8.3273E 01
5.4807E-04	1.6475E-01	3.3134E-03	3.3400E-03	1.0781E 01	2.1275E 00	7.5564E 01
6.1518E-04	1.6962E-01	3.6115E-03	3.6422E-03	1.0471E 01	2.1264E 00	6.9301E 01
6.8229E-04	1.7409E-01	3.9018E-03	3.9367E-03	1.0202E 01	2.1257E 00	6.4147E 01
7.4940E-04	1.7825E-01	4.1845E-03	4.2237E-03	9.9626E 00	2.1248E 00	5.9801E 01
8.1651E-04	1.8214E-01	4.4612E-03	4.5048E-03	9.7503E 00	2.1242E 00	5.6097E 01
8.8362E-04	1.8580E-01	4.7318E-03	4.7799E-03	9.5579E 00	2.1235E 00	5.2884E 01
1.0178E-03	1.9251E-01	5.2584E-03	5.3157E-03	9.2247E 00	2.1223E 00	4.7600E 01
1.1521E-03	1.9862E-01	5.7669E-03	5.8337E-03	8.9405E 00	2.1210E 00	4.3396E 01
1.2863E-03	2.0421E-01	6.2604E-03	6.3369E-03	8.6954E 00	2.1199E 00	3.9973E 01
1.4205E-03	2.0938E-01	6.7410E-03	6.8276E-03	8.4810E 00	2.1189E 00	3.7128E 01
1.5547E-03	2.1419E-01	7.2102E-03	7.3070E-03	8.2908E 00	2.1180E 00	3.4719E 01
1.6889E-03	2.1871E-01	7.6688E-03	7.7760E-03	8.1195E 00	2.1171E 00	3.2644E 01
1.8231E-03	2.2296E-01	8.1180E-03	8.2358E-03	7.9644E 00	2.1162E 00	3.0839E 01
2.0916E-03	2.3085E-01	8.9907E-03	9.1303E-03	7.6917E 00	2.1142E 00	2.7837E 01
2.3600E-03	2.3796E-01	9.8365E-03	9.9985E-03	7.4624E 00	2.1129E 00	2.5657E 01
2.6284E-03	2.4454E-01	1.0656E-02	1.0841E-02	7.2611E 00	2.1112E 00	2.3495E 01
2.8969E-03	2.5062E-01	1.1455E-02	1.1663E-02	7.0852E 00	2.1098E 00	2.1861E 01
3.1653E-03	2.5631E-01	1.2233E-02	1.2466E-02	6.9275E 00	2.1084E 00	2.0666E 01
3.7022E-03	2.6664E-01	1.3744E-02	1.4026E-02	6.6600E 00	2.1061E 00	1.8229E 01
4.2391E-03	2.7597E-01	1.5194E-02	1.5527E-02	6.4343E 00	2.1035E 00	1.6485E 01
4.7759E-03	2.8444E-01	1.6598E-02	1.6983E-02	6.2423E 00	2.1012E 00	1.5091E 01
5.3128E-03	2.9224E-01	1.7960E-02	1.8399E-02	6.0758E 00	2.0991E 00	1.3947E 01
5.8497E-03	2.9943E-01	1.9289E-02	1.9783E-02	5.9304E 00	2.0973E 00	1.2993E 01
6.9234E-03	3.1257E-01	2.1846E-02	2.2453E-02	5.6806E 00	2.0934E 00	1.1469E 01
7.9972E-03	3.2420E-01	2.4305E-02	2.5029E-02	5.4776E 00	2.0903E 00	1.0317E 01
9.0709E-03	3.3476E-01	2.6675E-02	2.7519E-02	5.3054E 00	2.0873E 00	9.4045E 00
1.0145E-02	3.4439E-01	2.8973E-02	2.9940E-02	5.1577E 00	2.0847E 00	8.6653E 00
1.1218E-02	3.5344E-01	3.1195E-02	3.2287E-02	5.0249E 00	2.0814E 00	8.0425E 00
1.2292E-02	3.6174E-01	3.3371E-02	3.4591E-02	4.9104E 00	2.0790E 00	7.5238E 00
1.3366E-02	3.6961E-01	3.5487E-02	3.6838E-02	4.8056E 00	2.0763E 00	7.0737E 00
1.4440E-02	3.7697E-01	3.7563E-02	3.9046E-02	4.7122E 00	2.0740E 00	6.6856E 00

1.5513E-02	3.8396E-01	3.9595E-02	4.1212E-02	4.6265E 00	2.0717E 00	6.3436E 00
1.6587E-02	3.9060E-01	4.1589E-02	4.3342E-02	4.5461E 00	2.0695E 00	6.0411E 00
1.7661E-02	3.9694E-01	4.3547E-02	4.5438E-02	4.4757E 00	2.0674E 00	5.7706E 00
1.9808E-02	4.0881E-01	4.7369E-02	4.9539E-02	4.3463E 00	2.0633E 00	5.3076E 00
2.1956E-02	4.1977E-01	5.1077E-02	5.3532E-02	4.2333E 00	2.0596E 00	4.9246E 00
2.4103E-02	4.3000E-01	5.4681E-02	5.7426E-02	4.1328E 00	2.0559E 00	4.6010E 00
2.6251E-02	4.3958E-01	5.8198E-02	6.1239E-02	4.0432E 00	2.0524E 00	4.3246E 00
3.0546E-02	4.5718E-01	6.4992E-02	6.8635E-02	3.8881E 00	2.0458E 00	3.8740E 00
3.4841E-02	4.7300E-01	7.1530E-02	7.5789E-02	3.7591E 00	2.0400E 00	3.5234E 00
3.9136E-02	4.8746E-01	7.7841E-02	8.2728E-02	3.6486E 00	2.0347E 00	3.2408E 00
4.3431E-02	5.0087E-01	8.3947E-02	8.9473E-02	3.5517E 00	2.0294E 00	3.0067E 00
4.7726E-02	5.1335E-01	8.9882E-02	9.6056E-02	3.4661E 00	2.0245E 00	2.8099E 00
5.2021E-02	5.2505E-01	9.5661E-02	1.0249E-01	3.3896E 00	2.0199E 00	2.6416E 00
5.6316E-02	5.3607E-01	1.0131E-01	1.0880E-01	3.3208E 00	2.0155E 00	2.4961E 00
6.0611E-02	5.4651E-01	1.0682E-01	1.1499E-01	3.2580E 00	2.0112E 00	2.3685E 00
6.4905E-02	5.5644E-01	1.1222E-01	1.2107E-01	3.2007E 00	2.0072E 00	2.2558E 00
6.9200E-02	5.6591E-01	1.1752E-01	1.2705E-01	3.1478E 00	2.0033E 00	2.1553E 00
7.7790E-02	5.8365E-01	1.2783E-01	1.3874E-01	3.0535E 00	1.9959E 00	1.9837E 00
8.6380E-02	6.0007E-01	1.3779E-01	1.5011E-01	2.9714E 00	1.9890E 00	1.8421E 00
9.4976E-02	6.1538E-01	1.4746E-01	1.6119E-01	2.8988E 00	1.9825E 00	1.7230E 00
1.0356E-01	6.2972E-01	1.5688E-01	1.7203E-01	2.8342E 00	1.9764E 00	1.6213E 00
1.2074E-01	6.5608E-01	1.7501E-01	1.9306E-01	2.7230E 00	1.9651E 00	1.4564E 00
1.3792E-01	6.7984E-01	1.9239E-01	2.1336E-01	2.6307E 00	1.9551E 00	1.3282E 00
1.5510E-01	7.0180E-01	2.0904E-01	2.3296E-01	2.5506E 00	1.9453E 00	1.2241E 00
1.7228E-01	7.2207E-01	2.2514E-01	2.5204E-01	2.4814E 00	1.9364E 00	1.1386E 00
2.0664E-01	7.5911E-01	2.5577E-01	2.8866E-01	2.3639E 00	1.9194E 00	1.0042E 00
2.4100E-01	7.9211E-01	2.8479E-01	3.2371E-01	2.2690E 00	1.9043E 00	9.0394E-01
2.7536E-01	8.2167E-01	3.1264E-01	3.5760E-01	2.1921E 00	1.8917E 00	8.2676E-01
3.0972E-01	8.4906E-01	3.3928E-01	3.9028E-01	2.1252E 00	1.8795E 00	7.6409E-01
3.4408E-01	8.7436E-01	3.6500E-01	4.2204E-01	2.0678E 00	1.8686E 00	7.1263E-01
3.7844E-01	8.9818E-01	3.8981E-01	4.5287E-01	2.0166E 00	1.8581E 00	6.6909E-01
4.4716E-01	9.4149E-01	4.3743E-01	5.1246E-01	1.9313E 00	1.8399E 00	6.0017E-01
5.1588E-01	9.8081E-01	4.8253E-01	5.6941E-01	1.8607E 00	1.8232E 00	5.4713E-01
5.8460E-01	1.0170E 00	5.2551E-01	6.2413E-01	1.8007E 00	1.8078E 00	5.0485E-01
6.5332E-01	1.0505E 00	5.6683E-01	6.7704E-01	1.7495E 00	1.7940E 00	4.7044E-01
7.2204E-01	1.0818E 00	6.0663E-01	7.2828E-01	1.7047E 00	1.7812E 00	4.4171E-01
7.9075E-01	1.1112E 00	6.4512E-01	7.7807E-01	1.6651E 00	1.7694E 00	4.1732E-01
8.5947E-01	1.1392E 00	6.8238E-01	8.2647E-01	1.6295E 00	1.7582E 00	3.9624E-01
9.2819E-01	1.1658E 00	7.1863E-01	8.7371E-01	1.5975E 00	1.7478E 00	3.7790E-01
1.0656E 00	1.2157E 00	7.8827E-01	9.6488E-01	1.5417E 00	1.7286E 00	3.4729E-01
1.2031E 00	1.2618E 00	8.5469E-01	1.0522E 00	1.4944E 00	1.7112E 00	3.2272E-01
1.3405E 00	1.3048E 00	9.1844E-01	1.1364E 00	1.4537E 00	1.6956E 00	3.0253E-01
1.4779E 00	1.3451E 00	9.7987E-01	1.2176E 00	1.4183E 00	1.6813E 00	2.8558E-01
1.6154E 00	1.3834E 00	1.0392E 00	1.2963E 00	1.3869E 00	1.6680E 00	2.7108E-01
1.8903E 00	1.4552E 00	1.1519E 00	1.4461E 00	1.3321E 00	1.6434E 00	2.4728E-01
2.1651E 00	1.5202E 00	1.2595E 00	1.5890E 00	1.2885E 00	1.6230E 00	2.2892E-01
2.4400E 00	1.5809E 00	1.3618E 00	1.7250E 00	1.2509E 00	1.6043E 00	2.1396E-01
2.7149E 00	1.6379E 00	1.4599E 00	1.8552E 00	1.2185E 00	1.5875E 00	2.0155E-01
2.9898E 00	1.6920E 00	1.5540E 00	1.9800E 00	1.1897E 00	1.5719E 00	1.9097E-01
3.2647E 00	1.7432E 00	1.6450E 00	2.1006E 00	1.1643E 00	1.5578E 00	1.8190E-01
3.5395E 00	1.7921E 00	1.7331E 00	2.2170E 00	1.1413E 00	1.5446E 00	1.7396E-01
3.8144E 00	1.8390E 00	1.8187E 00	2.3298E 00	1.1206E 00	1.5325E 00	1.6696E-01
4.0893E 00	1.8840E 00	1.9019E 00	2.4392E 00	1.1015E 00	1.5211E 00	1.6071E-01
4.6390E 00	1.9693E 00	2.0622E 00	2.6493E 00	1.0679E 00	1.5005E 00	1.5000E-01
5.1888E 00	2.0492E 00	2.2153E 00	2.8488E 00	1.0386E 00	1.4820E 00	1.4109E-01
5.7386E 00	2.1247E 00	2.3623E 00	3.0395E 00	1.0127E 00	1.4653E 00	1.3351E-01
6.2883E 00	2.1963E 00	2.5040E 00	3.2224E 00	9.8966E-01	1.4503E 00	1.2697E-01
6.8381E 00	2.2645E 00	2.6410E 00	3.3984E 00	9.6876E-01	1.4365E 00	1.2123E-01
7.9376E 00	2.3927E 00	2.9026E 00	3.7321E 00	9.3163E-01	1.4117E 00	1.1153E-01
9.0371E 00	2.5106E 00	3.1518E 00	4.0475E 00	9.0046E-01	1.3908E 00	1.0368E-01
1.0137E 01	2.6208E 00	3.3896E 00	4.3460E 00	8.7285E-01	1.3723E 00	9.7075E-02
1.1236E 01	2.7243E 00	3.6180E 00	4.6309E 00	8.4823E-01	1.3559E 00	9.1420E-02

1.2336E 01	2.8221E 00	3.8382E 00	4.9039E 00	8.2586E-01	1.3411E 00	8.6491E-02
1.3435E 01	2.9148E 00	4.0516E 00	5.1670E 00	8.0559E-01	1.3279E 00	8.2152E-02
1.5634E 01	3.0874E 00	4.4605E 00	5.6673E 00	7.6956E-01	1.3048E 00	7.4798E-02
1.7833E 01	3.2454E 00	4.8500E 00	6.1398E 00	7.3848E-01	1.2854E 00	6.8767E-02
2.0032E 01	3.3911E 00	5.2241E 00	6.5904E 00	7.1146E-01	1.2689E 00	6.3708E-02
2.2231E 01	3.5264E 00	5.5854E 00	7.0230E 00	6.8764E-01	1.2547E 00	5.9381E-02
2.4430E 01	3.6528E 00	5.9258E 00	7.4403E 00	6.6647E-01	1.2424E 00	5.5625E-02
2.6629E 01	3.7714E 00	6.2769E 00	7.8447E 00	6.4752E-01	1.2315E 00	5.2324E-02
3.1027E 01	3.9887E 00	6.9361E 00	8.6216E 00	6.1522E-01	1.2135E 00	4.6774E-02
3.5425E 01	4.1833E 00	7.5712E 00	9.3652E 00	5.8913E-01	1.1992E 00	4.2278E-02
3.9823E 01	4.3609E 00	8.1846E 00	1.0079E 01	5.6707E-01	1.1874E 00	3.8517E-02
4.4221E 01	4.5231E 00	8.7821E 00	1.0772E 01	5.4894E-01	1.1779E 00	3.5333E-02
4.8620E 01	4.6725E 00	9.3656E 00	1.1445E 01	5.3381E-01	1.1699E 00	3.2589E-02
5.3018E 01	4.8104E 00	9.9385E 00	1.2104E 01	5.2156E-01	1.1634E 00	3.0205E-02
5.7416E 01	4.9387E 00	1.0501E 01	1.2750E 01	5.1148E-01	1.1579E 00	2.8104E-02
6.6212E 01	5.1695E 00	1.1605E 01	1.4012E 01	4.9736E-01	1.1499E 00	2.4580E-02

A = 10.0000E-04

B = 3.0000E-03

EPS = 10.0000E-06

GAM = 10.0000E-02

X	Y	NUC	NLW	ETAMC	NURATIO	DY/DX
0.	4.0000E-03	0.	0.	8.3334E 02	0.	5.1673E 06
10.0000E-12	4.0052E-03	2.4968E-10	2.4968E-10	6.5779E 02	4.7702E 00	5.2596E 06
2.0000E-12	4.0105E-03	4.9869E-10	4.9870E-10	6.8445E 02	5.6653E 00	5.0709E 06
3.0000E-12	4.0154E-03	7.4711E-10	7.4712E-10	6.9756E 02	6.2619E 00	5.1458E 06
4.0000E-12	4.0206E-03	9.9487E-10	9.9487E-10	7.0569E 02	6.7202E 00	5.2510E 06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	7.1537E 02	7.4172E 00	5.1792E 06
8.0000E-12	4.0417E-03	1.9794E-09	1.9794E-09	7.2100E 02	7.9500E 00	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	7.2459E 02	8.3854E 00	4.9651E 06
1.4000E-11	4.0711E-03	3.4388E-09	3.4389E-09	7.2858E 02	9.0778E 00	4.9653E 06
2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	7.3031E 02	1.0065E 01	4.7985E 06
3.0000E-11	4.1486E-03	7.2314E-09	7.2314E-09	7.2895E 02	1.0778E 01	4.7803E 06
3.8000E-11	4.1867E-03	9.0763E-09	9.0763E-09	7.2590E 02	1.1330E 01	4.5731E 06
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	7.2255E 02	1.1785E 01	4.4351E 06
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	7.1867E 02	1.2166E 01	4.3282E 06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	7.1459E 02	1.2493E 01	4.2018E 06
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	7.1051E 02	1.2779E 01	4.2010E 06
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	7.0174E 02	1.3248E 01	3.9503E 06
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-08	6.9398E 02	1.3641E 01	3.7471E 06
1.1800E-10	4.5098E-03	2.6165E-08	2.6166E-08	6.8621E 02	1.3963E 01	3.6882E 06
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-08	6.7815E 02	1.4224E 01	3.4591E 06
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	6.7131E 02	1.4465E 01	3.3607E 06
1.6600E-10	4.6752E-03	3.5506E-08	3.5507E-08	6.6438E 02	1.4669E 01	3.3017E 06
1.8200E-10	4.7278E-03	3.8495E-08	3.8496E-08	6.5755E 02	1.4843E 01	3.1505E 06
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-08	6.5137E 02	1.5005E 01	3.1024E 06
2.1400E-10	4.8257E-03	4.4346E-08	4.4346E-08	6.4514E 02	1.5143E 01	2.9943E 06
2.3000E-10	4.8723E-03	4.7205E-08	4.7206E-08	6.3934E 02	1.5271E 01	2.8467E 06
2.4600E-10	4.9165E-03	5.0035E-08	5.0036E-08	6.3394E 02	1.5390E 01	2.8071E 06
2.6200E-10	4.9611E-03	5.2810E-08	5.2811E-08	6.2853E 02	1.5494E 01	2.7192E 06
2.7800E-10	5.0036E-03	5.5560E-08	5.5560E-08	6.2347E 02	1.5592E 01	2.6614E 06
2.9400E-10	5.0459E-03	5.8265E-08	5.8265E-08	6.1847E 02	1.5679E 01	2.6123E 06
3.1000E-10	5.0874E-03	6.0935E-08	6.0935E-08	6.1364E 02	1.5758E 01	2.5539E 06
3.2600E-10	5.1277E-03	6.3576E-08	6.3576E-08	6.0901E 02	1.5832E 01	2.4836E 06
3.5800E-10	5.2044E-03	6.8788E-08	6.8788E-08	6.0038E 02	1.5968E 01	2.3561E 06
4.2200E-10	5.3471E-03	7.8921E-08	7.8922E-08	5.8490E 02	1.6195E 01	2.1933E 06
4.8600E-10	5.4869E-03	8.8575E-08	8.8575E-08	5.7035E 02	1.6349E 01	2.0209E 06
5.5000E-10	5.6104E-03	9.8031E-08	9.8032E-08	5.5811E 02	1.6491E 01	1.8908E 06
6.1400E-10	5.7284E-03	1.0718E-07	1.0719E-07	5.4685E 02	1.6602E 01	1.7728E 06
6.7800E-10	5.8384E-03	1.1613E-07	1.1613E-07	5.3675E 02	1.6698E 01	1.6687E 06
7.4200E-10	5.9423E-03	1.2487E-07	1.2487E-07	5.2753E 02	1.6781E 01	1.5844E 06
8.0600E-10	6.0418E-03	1.3340E-07	1.3341E-07	5.1897E 02	1.6849E 01	1.5080E 06
8.7000E-10	6.1360E-03	1.4178E-07	1.4179E-07	5.1112E 02	1.6910E 01	1.4467E 06
9.3400E-10	6.2272E-03	1.4999E-07	1.4999E-07	5.0373E 02	1.6961E 01	1.3810E 06

9.9800E-10	6.3134E-03	1.5E08E-07	1.5808E-07	4.9694E-02	1.7009E-01	1.3287E-06
1.0620E-09	6.3971E-03	1.6601E-07	1.6601E-07	4.9051E-02	1.7049E-01	1.2737E-06
1.1260E-09	6.4768E-03	1.7385E-07	1.7385E-07	4.8454E-02	1.7088E-01	1.2213E-06
1.1900E-09	6.5524E-03	1.8158E-07	1.8159E-07	4.7894E-02	1.7123E-01	1.1932E-06
1.2540E-09	6.6300E-03	1.8914E-07	1.8914E-07	4.7345E-02	1.7148E-01	1.1427E-06
1.3180E-09	6.7009E-03	1.9669E-07	1.9669E-07	4.6849E-02	1.7179E-01	1.1039E-06
1.3820E-09	6.7707E-03	2.0411E-07	2.0412E-07	4.6371E-02	1.7205E-01	1.0742E-06
1.4460E-09	6.8386E-03	2.1144E-07	2.1145E-07	4.5914E-02	1.7228E-01	1.0426E-06
1.5100E-09	6.9039E-03	2.1872E-07	2.1872E-07	4.5484E-02	1.7251E-01	1.0139E-06
1.5740E-09	6.9679E-03	2.2589E-07	2.2589E-07	4.5069E-02	1.7271E-01	9.8485E-05
1.7020E-09	7.0902E-03	2.4005E-07	2.4005E-07	4.4298E-02	1.7308E-01	9.3329E-05
1.8300E-09	7.2067E-03	2.5393E-07	2.5393E-07	4.3586E-02	1.7340E-01	8.8832E-05
1.9580E-09	7.3179E-03	2.6757E-07	2.6757E-07	4.2928E-02	1.7367E-01	8.4940E-05
2.0860E-09	7.4244E-03	2.8096E-07	2.8097E-07	4.2316E-02	1.7391E-01	8.1602E-05
2.3420E-09	7.6263E-03	3.0709E-07	3.0710E-07	4.1201E-02	1.7428E-01	7.5263E-05
2.5980E-09	7.8094E-03	3.3267E-07	3.3268E-07	4.0241E-02	1.7466E-01	7.0002E-05
2.8540E-09	7.9832E-03	3.5750E-07	3.5751E-07	3.9368E-02	1.7492E-01	6.5558E-05
3.1100E-09	8.1459E-03	3.8178E-07	3.8179E-07	3.8585E-02	1.7515E-01	6.1712E-05
3.3660E-09	8.2994E-03	4.0557E-07	4.0557E-07	3.7873E-02	1.7534E-01	5.8289E-05
3.8780E-09	8.5820E-03	4.5187E-07	4.5188E-07	3.6630E-02	1.7568E-01	5.2731E-05
4.3900E-09	8.8439E-03	4.9638E-07	4.9639E-07	3.5548E-02	1.7584E-01	4.8186E-05
4.9020E-09	9.0798E-03	5.3987E-07	5.3988E-07	3.4627E-02	1.7606E-01	4.4518E-05
5.4140E-09	9.3019E-03	5.8202E-07	5.8204E-07	3.3802E-02	1.7618E-01	4.1399E-05
5.9260E-09	9.5061E-03	6.2338E-07	6.2340E-07	3.3077E-02	1.7634E-01	3.8841E-05
6.9500E-09	9.8844E-03	7.0312E-07	7.0314E-07	3.1813E-02	1.7648E-01	3.4499E-05
7.9740E-09	1.0218E-02	7.8039E-07	7.8041E-07	3.0777E-02	1.7669E-01	3.1262E-05
8.9980E-09	1.0525E-02	8.5488E-07	8.5491E-07	2.9879E-02	1.7679E-01	2.8597E-05
1.0022E-08	1.0804E-02	9.2763E-07	9.2766E-07	2.9110E-02	1.7694E-01	2.6424E-05
1.1046E-08	1.1065E-02	9.9827E-07	9.9830E-07	2.8424E-02	1.7701E-01	2.4609E-05
1.2070E-08	1.1308E-02	1.0673E-06	1.0674E-06	2.7812E-02	1.7708E-01	2.3044E-05
1.3094E-08	1.1537E-02	1.1349E-06	1.1350E-06	2.7262E-02	1.7714E-01	2.1708E-05
1.4118E-08	1.1754E-02	1.2011E-06	1.2011E-06	2.6759E-02	1.7718E-01	2.0519E-05
1.5142E-08	1.1958E-02	1.2662E-06	1.2663E-06	2.6303E-02	1.7723E-01	1.9490E-05
1.6166E-08	1.2153E-02	1.3302E-06	1.3302E-06	2.5881E-02	1.7726E-01	1.8576E-05
1.7190E-08	1.2339E-02	1.3931E-06	1.3932E-06	2.5491E-02	1.7729E-01	1.7735E-05
1.9238E-08	1.2686E-02	1.5165E-06	1.5165E-06	2.4795E-02	1.7737E-01	1.6329E-05
2.1286E-08	1.3011E-02	1.6359E-06	1.6360E-06	2.4175E-02	1.7736E-01	1.5129E-05
2.3334E-08	1.3309E-02	1.7532E-06	1.7533E-06	2.3634E-02	1.7742E-01	1.4132E-05
2.5382E-08	1.3590E-02	1.8676E-06	1.8677E-06	2.3146E-02	1.7744E-01	1.3282E-05
2.7430E-08	1.3854E-02	1.9799E-06	1.9800E-06	2.2706E-02	1.7747E-01	1.2535E-05
2.9478E-08	1.4104E-02	2.0900E-06	2.0902E-06	2.2304E-02	1.7750E-01	1.1882E-05
3.1526E-08	1.4341E-02	2.1982E-06	2.1983E-06	2.1934E-02	1.7751E-01	1.1299E-05
3.3574E-08	1.4567E-02	2.3047E-06	2.3049E-06	2.1595E-02	1.7753E-01	1.0782E-05
3.5622E-08	1.4783E-02	2.4096E-06	2.4097E-06	2.1279E-02	1.7755E-01	1.0317E-05
3.7670E-08	1.4990E-02	2.5129E-06	2.5131E-06	2.0986E-02	1.7756E-01	9.8950E-06
4.1766E-08	1.5380E-02	2.7156E-06	2.7158E-06	2.0454E-02	1.7759E-01	9.1613E-06
4.5862E-08	1.5742E-02	2.9132E-06	2.9134E-06	1.9983E-02	1.7760E-01	8.5422E-06
4.9958E-08	1.6081E-02	3.1065E-06	3.1067E-06	1.9562E-02	1.7761E-01	8.0125E-06
5.4054E-08	1.6400E-02	3.2959E-06	3.2961E-06	1.9182E-02	1.7763E-01	7.5544E-06
6.2246E-08	1.6986E-02	3.6643E-06	3.6646E-06	1.8520E-02	1.7765E-01	6.7995E-06
7.0438E-08	1.7516E-02	4.0211E-06	4.0214E-06	1.7960E-02	1.7768E-01	6.2010E-06
7.8630E-08	1.8005E-02	4.3670E-06	4.3675E-06	1.7473E-02	1.7769E-01	5.7104E-06
8.6822E-08	1.8455E-02	4.7042E-06	4.7047E-06	1.7046E-02	1.7770E-01	5.3021E-06
9.5014E-08	1.8875E-02	5.0335E-06	5.0340E-06	1.6667E-02	1.7770E-01	4.9558E-06
1.0321E-07	1.9268E-02	5.3561E-06	5.3567E-06	1.6328E-02	1.7772E-01	4.6592E-06
1.1140E-07	1.9639E-02	5.6719E-06	5.6726E-06	1.6019E-02	1.7772E-01	4.3998E-06
1.2778E-07	2.0322E-02	6.2875E-06	6.2883E-06	1.5481E-02	1.7774E-01	3.9710E-06
1.4417E-07	2.0943E-02	6.8833E-06	6.8842E-06	1.5022E-02	1.7775E-01	3.6283E-06
1.6055E-07	2.1515E-02	7.4618E-06	7.4628E-06	1.4623E-02	1.7775E-01	3.3466E-06
1.7693E-07	2.2043E-02	8.0263E-06	8.0274E-06	1.4273E-02	1.7775E-01	3.1118E-06
1.9332E-07	2.2536E-02	8.5775E-06	8.5788E-06	1.3960E-02	1.7775E-01	2.9120E-06
2.0970E-07	2.2998E-02	9.1176E-06	9.1191E-06	1.3680E-02	1.7776E-01	2.7402E-06

2.2609E-07	2.3435E-02	9.6467E-06	9.6483E-06	1.3425E-02	1.7776E-01	2.5897E-04
2.5885E-07	2.4239E-02	1.0678E-05	1.0680E-05	1.2960E-02	1.7777E-01	2.3405E-04
2.9162E-07	2.4972E-02	1.1677E-05	1.1679E-05	1.2599E-02	1.7778E-01	2.1403E-04
3.2439E-07	2.5646E-02	1.2647E-05	1.2650E-05	1.2268E-02	1.7777E-01	1.9760E-04
3.5716E-07	2.6271E-02	1.3594E-05	1.3597E-05	1.1976E-02	1.7777E-01	1.8385E-04
3.8993E-07	2.6853E-02	1.4519E-05	1.4522E-05	1.1717E-02	1.7777E-01	1.7215E-04
4.2269E-07	2.7400E-02	1.5425E-05	1.5429E-05	1.1483E-02	1.7777E-01	1.6205E-04
4.5546E-07	2.7916E-02	1.6313E-05	1.6317E-05	1.1270E-02	1.7777E-01	1.5322E-04
5.2100E-07	2.8868E-02	1.8045E-05	1.8050E-05	1.0899E-02	1.7778E-01	1.3856E-04
5.8653E-07	2.9740E-02	1.9720E-05	1.9725E-05	1.0580E-02	1.7776E-01	1.2674E-04
6.5207E-07	3.0538E-02	2.1350E-05	2.1356E-05	1.0303E-02	1.7776E-01	1.1706E-04
7.1761E-07	3.1279E-02	2.2939E-05	2.2946E-05	1.0059E-02	1.7775E-01	1.0894E-04
7.8314E-07	3.1967E-02	2.4495E-05	2.4502E-05	9.8428E-03	1.7777E-01	1.0206E-04
8.4868E-07	3.2617E-02	2.6016E-05	2.6024E-05	9.6467E-03	1.7776E-01	9.6082E-03
9.7975E-07	3.3805E-02	2.8977E-05	2.8987E-05	9.3077E-03	1.7778E-01	8.6300E-03
1.1108E-06	3.4883E-02	3.1839E-05	3.1850E-05	9.0204E-03	1.7778E-01	7.8552E-03
1.2419E-06	3.5872E-02	3.4613E-05	3.4627E-05	8.7716E-03	1.7776E-01	7.2233E-03
1.3730E-06	3.6783E-02	3.7319E-05	3.7334E-05	8.5546E-03	1.7776E-01	6.7001E-03
1.5040E-06	3.7631E-02	3.9959E-05	3.9976E-05	8.3617E-03	1.7776E-01	6.2573E-03
1.6351E-06	3.8425E-02	4.2544E-05	4.2563E-05	8.1892E-03	1.7776E-01	5.8778E-03
1.7662E-06	3.9174E-02	4.5076E-05	4.5096E-05	8.0327E-03	1.7776E-01	5.5472E-03
1.8973E-06	3.9881E-02	4.7561E-05	4.7584E-05	7.8903E-03	1.7776E-01	5.2574E-03
2.0283E-06	4.0554E-02	5.0004E-05	5.0028E-05	7.7595E-03	1.7775E-01	5.0003E-03
2.2905E-06	4.1804E-02	5.4776E-05	5.4805E-05	7.5275E-03	1.7775E-01	4.5650E-03
2.5526E-06	4.2953E-02	5.9411E-05	5.9444E-05	7.3263E-03	1.7774E-01	4.2087E-03
2.8148E-06	4.4017E-02	6.3928E-05	6.3965E-05	7.1492E-03	1.7773E-01	3.9109E-03
3.0769E-06	4.5009E-02	6.8342E-05	6.8383E-05	6.9919E-03	1.7773E-01	3.6583E-03
3.3390E-06	4.5938E-02	7.2662E-05	7.2708E-05	6.8505E-03	1.7773E-01	3.4408E-03
3.8633E-06	4.7656E-02	8.1039E-05	8.1094E-05	6.6036E-03	1.7768E-01	3.0822E-03
4.3876E-06	4.9199E-02	8.9148E-05	8.9213E-05	6.3967E-03	1.7767E-01	2.8014E-03
4.9119E-06	5.0624E-02	9.6990E-05	9.7065E-05	6.2167E-03	1.7760E-01	2.5717E-03
5.4362E-06	5.1914E-02	1.0467E-04	1.0476E-04	6.0624E-03	1.7764E-01	2.3849E-03
5.9605E-06	5.3136E-02	1.1213E-04	1.1222E-04	5.9231E-03	1.7759E-01	2.2243E-03
6.4848E-06	5.4260E-02	1.1946E-04	1.1956E-04	5.8005E-03	1.7761E-01	2.0889E-03
7.0091E-06	5.5326E-02	1.2663E-04	1.2675E-04	5.6889E-03	1.7760E-01	1.9707E-03
7.5333E-06	5.6329E-02	1.3368E-04	1.3380E-04	5.5877E-03	1.7761E-01	1.8674E-03
8.0576E-06	5.7283E-02	1.4059E-04	1.4073E-04	5.4947E-03	1.7761E-01	1.7757E-03
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9.1062E-06	5.9060E-02	1.5410E-04	1.5427E-04	5.3296E-03	1.7761E-01	1.6203E-03
1.0155E-05	6.0690E-02	1.6723E-04	1.6741E-04	5.1867E-03	1.7761E-01	1.4935E-03
1.1203E-05	6.2198E-02	1.8002E-04	1.8023E-04	5.0611E-03	1.7761E-01	1.3876E-03
1.2252E-05	6.3606E-02	1.9251E-04	1.9274E-04	4.9492E-03	1.7760E-01	1.2976E-03
1.3301E-05	6.4924E-02	2.0473E-04	2.0499E-04	4.8488E-03	1.7760E-01	1.2202E-03
1.5398E-05	6.7348E-02	2.2847E-04	2.2878E-04	4.6746E-03	1.7758E-01	1.0933E-03
1.7495E-05	6.9529E-02	2.5144E-04	2.5180E-04	4.5282E-03	1.7759E-01	9.9381E-02
1.9592E-05	7.1522E-02	2.7372E-04	2.7414E-04	4.4023E-03	1.7759E-01	9.1316E-02
2.1689E-05	7.3365E-02	2.9539E-04	2.9587E-04	4.2919E-03	1.7758E-01	8.4616E-02
2.3786E-05	7.5082E-02	3.1654E-04	3.1707E-04	4.1939E-03	1.7756E-01	7.8952E-02
2.7981E-05	7.8192E-02	3.5752E-04	3.5817E-04	4.0274E-03	1.7755E-01	6.9920E-02
3.2175E-05	8.0957E-02	3.9704E-04	3.9782E-04	3.8902E-03	1.7757E-01	6.3012E-02
3.6369E-05	8.3489E-02	4.3516E-04	4.3607E-04	3.7724E-03	1.7753E-01	5.7462E-02
4.0563E-05	8.5801E-02	4.7224E-04	4.7328E-04	3.6710E-03	1.7751E-01	5.2952E-02
4.8952E-05	8.9989E-02	5.4332E-04	5.4464E-04	3.5005E-03	1.7738E-01	4.5917E-02
5.7341E-05	9.3656E-02	6.1145E-04	6.1305E-04	3.3638E-03	1.7729E-01	4.0745E-02
6.5729E-05	9.6886E-02	6.7747E-04	6.7937E-04	3.2520E-03	1.7731E-01	3.6816E-02
7.4118E-05	9.9849E-02	7.4120E-04	7.4340E-04	3.1558E-03	1.7728E-01	3.3645E-02
8.2507E-05	1.0255E-01	8.0326E-04	8.0578E-04	3.0729E-03	1.7728E-01	3.1061E-02
9.0895E-05	1.0508E-01	8.6358E-04	8.6643E-04	2.9993E-03	1.7724E-01	2.8882E-02
9.9284E-05	1.0742E-01	9.2267E-04	9.2585E-04	2.9342E-03	1.7724E-01	2.7043E-02
1.0767E-04	1.0962E-01	9.8047E-04	9.8398E-04	2.8755E-03	1.7722E-01	2.5452E-02
1.1606E-04	1.1169E-01	1.0372E-03	1.0410E-03	2.8224E-03	1.7721E-01	2.4067E-02
1.2445E-04	1.1366E-01	1.0928E-03	1.0970E-03	2.7738E-03	1.7720E-01	2.2844E-02

1.4123E-04	1.1731E-01	1.2014E-03	1.2063E-03	2.6878E 01	1.7718E 01	2.0786E 02
1.5800E-04	1.2066E-01	1.3067E-03	1.3124E-03	2.6137E 01	1.7715E 01	1.9113E 02
1.7478E-04	1.2375E-01	1.4092E-03	1.4156E-03	2.5488E 01	1.7712E 01	1.7724E 02
1.9156E-04	1.2662E-01	1.5093E-03	1.5165E-03	2.4913E 01	1.7710E 01	1.6551E 02
2.0834E-04	1.2931E-01	1.6072E-03	1.6152E-03	2.4397E 01	1.7707E 01	1.5545E 02
2.4189E-04	1.3423E-01	1.7972E-03	1.8069E-03	2.3508E 01	1.7703E 01	1.3906E 02
2.7544E-04	1.3865E-01	1.9809E-03	1.9922E-03	2.2763E 01	1.7701E 01	1.2625E 02
3.0900E-04	1.4272E-01	2.1585E-03	2.1716E-03	2.2118E 01	1.7695E 01	1.1583E 02
3.4255E-04	1.4646E-01	2.3315E-03	2.3463E-03	2.1558E 01	1.7691E 01	1.0724E 02
4.0966E-04	1.5324E-01	2.6641E-03	2.6826E-03	2.0611E 01	1.7676E 01	9.3727E 01
4.7677E-04	1.5922E-01	2.9832E-03	3.0056E-03	1.9842E 01	1.7665E 01	8.3632E 01
5.4388E-04	1.6454E-01	3.2923E-03	3.3186E-03	1.9207E 01	1.7662E 01	7.5850E 01
6.1099E-04	1.6943E-01	3.5909E-03	3.6214E-03	1.8658E 01	1.7654E 01	6.9531E 01
6.7810E-04	1.7391E-01	3.8818E-03	3.9165E-03	1.8182E 01	1.7649E 01	6.4346E 01
7.4521E-04	1.7809E-01	4.1649E-03	4.2039E-03	1.7759E 01	1.7642E 01	5.9960E 01
8.7942E-04	1.8562E-01	4.7139E-03	4.7618E-03	1.7047E 01	1.7636E 01	5.3035E 01
1.0136E-03	1.9236E-01	5.2410E-03	5.2981E-03	1.6457E 01	1.7627E 01	4.7715E 01
1.1479E-03	1.9849E-01	5.7498E-03	5.8164E-03	1.5955E 01	1.7616E 01	4.3483E 01
1.2821E-03	2.0408E-01	6.2439E-03	6.3203E-03	1.5524E 01	1.7607E 01	4.0048E 01
1.4163E-03	2.0926E-01	6.7250E-03	6.8114E-03	1.5146E 01	1.7599E 01	3.7192E 01
1.5505E-03	2.1408E-01	7.1944E-03	7.2910E-03	1.4810E 01	1.7591E 01	3.4770E 01
1.6847E-03	2.1861E-01	7.6529E-03	7.7600E-03	1.4507E 01	1.7583E 01	3.2685E 01
1.8189E-03	2.2287E-01	8.1025E-03	8.2202E-03	1.4235E 01	1.7576E 01	3.0875E 01
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2.3558E-03	2.3789E-01	9.8221E-03	9.9841E-03	1.3352E 01	1.7549E 01	2.5480E 01
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2.8927E-03	2.5054E-01	1.1442E-02	1.1650E-02	1.2691E 01	1.7526E 01	2.1881E 01
3.1611E-03	2.5622E-01	1.2221E-02	1.2454E-02	1.2416E 01	1.7514E 01	2.0487E 01
3.4296E-03	2.6155E-01	1.2984E-02	1.3241E-02	1.2169E 01	1.7504E 01	1.9287E 01
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5.8455E-03	2.9936E-01	1.9279E-02	1.9774E-02	1.0670E 01	1.7423E 01	1.3002E 01
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6.9192E-03	3.1245E-01	2.1840E-02	2.2449E-02	1.0237E 01	1.7393E 01	1.1481E 01
7.4561E-03	3.1846E-01	2.3080E-02	2.3747E-02	1.0051E 01	1.7379E 01	1.0865E 01
8.5298E-03	3.2953E-01	2.5492E-02	2.6278E-02	9.7251E 00	1.7352E 01	9.8411E 00
9.6036E-03	3.3966E-01	2.7820E-02	2.8728E-02	9.4462E 00	1.7326E 01	9.0176E 00
1.0677E-02	3.4897E-01	3.0080E-02	3.1113E-02	9.2041E 00	1.7302E 01	8.3412E 00
1.1751E-02	3.5762E-01	3.2279E-02	3.3439E-02	8.9910E 00	1.7279E 01	7.7744E 00
1.2825E-02	3.6569E-01	3.4425E-02	3.5715E-02	8.8014E 00	1.7258E 01	7.2921E 00
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1.7120E-02	3.9380E-01	4.2558E-02	4.4389E-02	8.2034E 00	1.7180E 01	5.9019E 00
1.9267E-02	4.0596E-01	4.6405E-02	4.8516E-02	7.9709E 00	1.7144E 01	5.4130E 00
2.1415E-02	4.1713E-01	5.0140E-02	5.2537E-02	7.7698E 00	1.7112E 01	5.0125E 00
2.3562E-02	4.2752E-01	5.3769E-02	5.6458E-02	7.5925E 00	1.7082E 01	4.6760E 00
2.5710E-02	4.3724E-01	5.7308E-02	6.0293E-02	7.4346E 00	1.7053E 01	4.3893E 00
2.7857E-02	4.4641E-01	6.0760E-02	6.4046E-02	7.2920E 00	1.7025E 01	4.1406E 00
3.0005E-02	4.5506E-01	6.4140E-02	6.7731E-02	7.1630E 00	1.6998E 01	3.9239E 00
3.2152E-02	4.6328E-01	6.7451E-02	7.1350E-02	7.0451E 00	1.6972E 01	3.7324E 00
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4.9332E-02	5.1784E-01	9.2027E-02	9.8503E-02	6.3616E 00	1.6797E 01	2.7427E 00
5.3627E-02	5.2928E-01	9.7749E-02	1.0489E-01	6.2371E 00	1.6759E 01	2.5836E 00
5.7922E-02	5.4005E-01	1.0334E-01	1.1116E-01	6.1249E 00	1.6723E 01	2.4454E 00
6.2217E-02	5.5030E-01	1.0881E-01	1.1731E-01	6.0225E 00	1.6688E 01	2.3237E 00
7.0807E-02	5.6933E-01	1.1942E-01	1.2931E-01	5.8427E 00	1.6622E 01	2.1196E 00
7.9397E-02	5.8683E-01	1.2965E-01	1.4095E-01	5.6884E 00	1.6561E 01	1.9542E 00
8.7987E-02	6.0301E-01	1.3955E-01	1.5227E-01	5.5543E 00	1.6503E 01	1.8173E 00

9.6577E-02	6.1811E-01	1.4916E-01	1.6333E-01	5.4360E 00	1.6450E 01	1.7020E 00
1.1376E-01	6.4560E-01	1.6765E-01	1.8475E-01	5.2359E 00	1.6353E 01	1.5178E 00
1.3094E-01	6.7027E-01	1.8532E-01	2.0538E-01	5.0717E 00	1.6266E 01	1.3767E 00
1.4812E-01	6.9300E-01	2.0220E-01	2.2527E-01	4.9316E 00	1.6180E 01	1.2633E 00
1.6530E-01	7.1389E-01	2.1849E-01	2.4460E-01	4.8116E 00	1.6103E 01	1.1710E 00
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2.1684E-01	7.6870E-01	2.6442E-01	2.9975E-01	4.5314E 00	1.5898E 01	9.7225E-01
2.3402E-01	7.8495E-01	2.7891E-01	3.1735E-01	4.4568E 00	1.5838E 01	9.2320E-01
2.5120E-01	8.0043E-01	2.9305E-01	3.3460E-01	4.3889E 00	1.5780E 01	8.7994E-01
2.6838E-01	8.1521E-01	3.0688E-01	3.5154E-01	4.3269E 00	1.5724E 01	8.4154E-01
2.8556E-01	8.2937E-01	3.2041E-01	3.6819E-01	4.2699E 00	1.5671E 01	8.0714E-01
3.1991E-01	8.5605E-01	3.4670E-01	4.0073E-01	4.1684E 00	1.5572E 01	7.4807E-01
3.5427E-01	8.8089E-01	3.7204E-01	4.3232E-01	4.0804E 00	1.5479E 01	6.9900E-01
4.2299E-01	9.2622E-01	4.2030E-01	4.9308E-01	3.9342E 00	1.5310E 01	6.2180E-01
4.9171E-01	9.6698E-01	4.6590E-01	5.5111E-01	3.8168E 00	1.5159E 01	5.6353E-01
5.6043E-01	1.0039E 00	5.0946E-01	6.0701E-01	3.7205E 00	1.5027E 01	5.1810E-01
6.2915E-01	1.0383E 00	5.5102E-01	6.6083E-01	3.6384E 00	1.4903E 01	4.8105E-01
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7.6659E-01	1.1004E 00	6.2966E-01	7.6363E-01	3.5067E 00	1.4684E 01	4.2457E-01
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9.0403E-01	1.1558E 00	7.0334E-01	8.6099E-01	3.4046E 00	1.4494E 01	3.8316E-01
1.0415E 00	1.2061E 00	7.7308E-01	9.5391E-01	3.3225E 00	1.4327E 01	3.5131E-01
1.1789E 00	1.2526E 00	8.3939E-01	1.0429E 00	3.2546E 00	1.4175E 01	3.2582E-01
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1.4538E 00	1.3367E 00	9.6390E-01	1.2114E 00	3.1483E 00	1.3910E 01	2.8742E-01
1.7287E 00	1.4114E 00	1.0800E 00	1.3696E 00	3.0689E 00	1.3687E 01	2.5969E-01
2.0035E 00	1.4793E 00	1.1893E 00	1.5194E 00	3.0068E 00	1.3493E 01	2.3851E-01
2.2784E 00	1.5423E 00	1.2928E 00	1.6618E 00	2.9567E 00	1.3318E 01	2.2160E-01
2.5533E 00	1.6013E 00	1.3912E 00	1.7977E 00	2.9152E 00	1.3159E 01	2.0770E-01
2.8282E 00	1.6568E 00	1.4857E 00	1.9284E 00	2.8805E 00	1.3016E 01	1.9608E-01
3.1031E 00	1.7093E 00	1.5766E 00	2.0543E 00	2.8510E 00	1.2883E 01	1.8615E-01
3.3779E 00	1.7592E 00	1.6643E 00	2.1759E 00	2.8256E 00	1.2762E 01	1.7757E-01
3.6528E 00	1.8070E 00	1.7492E 00	2.2937E 00	2.8035E 00	1.2648E 01	1.7002E-01
3.9277E 00	1.8528E 00	1.8317E 00	2.4080E 00	2.7842E 00	1.2543E 01	1.6333E-01
4.2026E 00	1.8969E 00	1.9118E 00	2.5192E 00	2.7671E 00	1.2444E 01	1.5735E-01
4.7523E 00	1.9804E 00	2.0661E 00	2.7332E 00	2.7384E 00	1.2264E 01	1.4705E-01
5.3021E 00	2.0589E 00	2.2133E 00	2.9372E 00	2.7152E 00	1.2102E 01	1.3845E-01
5.8518E 00	2.1329E 00	2.3545E 00	3.1326E 00	2.6961E 00	1.1956E 01	1.3111E-01
6.4016E 00	2.2032E 00	2.4905E 00	3.3207E 00	2.6801E 00	1.1823E 01	1.2477E-01
6.9513E 00	2.2702E 00	2.6219E 00	3.5021E 00	2.6666E 00	1.1701E 01	1.1918E-01
8.0509E 00	2.3960E 00	2.8725E 00	3.8476E 00	2.6451E 00	1.1483E 01	1.0976E-01
9.1504E 00	2.5121E 00	3.1104E 00	4.1748E 00	2.6287E 00	1.1295E 01	1.0208E-01
1.0250E 01	2.6209E 00	3.3366E 00	4.4852E 00	2.6158E 00	1.1128E 01	9.5611E-02
1.1349E 01	2.7228E 00	3.5537E 00	4.7827E 00	2.6055E 00	1.0980E 01	9.0078E-02
1.2449E 01	2.8193E 00	3.7627E 00	5.0686E 00	2.5970E 00	1.0847E 01	8.5252E-02
1.3548E 01	2.9106E 00	3.9649E 00	5.3448E 00	2.5899E 00	1.0727E 01	8.1003E-02
1.4648E 01	2.9976E 00	4.1609E 00	5.6122E 00	2.5839E 00	1.0617E 01	7.7212E-02
1.6847E 01	3.1599E 00	4.5375E 00	6.1254E 00	2.5741E 00	1.0425E 01	7.0723E-02
1.9046E 01	3.3095E 00	4.8964E 00	6.6136E 00	2.5665E 00	1.0261E 01	6.5323E-02
2.1245E 01	3.4480E 00	5.2411E 00	7.0820E 00	2.5604E 00	1.0119E 01	6.0742E-02
2.3444E 01	3.5771E 00	5.5740E 00	7.5340E 00	2.5554E 00	9.9955E 00	5.6795E-02
2.5643E 01	3.6980E 00	5.8967E 00	7.9718E 00	2.5511E 00	9.8865E 00	5.3342E-02
2.7842E 01	3.8119E 00	6.2105E 00	8.3973E 00	2.5474E 00	9.7896E 00	5.0290E-02
3.2240E 01	4.0214E 00	6.8162E 00	9.2180E 00	2.5412E 00	9.6251E 00	4.5120E-02
3.6638E 01	4.2103E 00	7.3980E 00	1.0006E 01	2.5364E 00	9.4912E 00	4.0891E-02
4.1036E 01	4.3818E 00	7.9613E 00	1.0769E 01	2.5325E 00	9.3815E 00	3.7362E-02
4.5434E 01	4.5393E 00	8.5086E 00	1.1510E 01	2.5292E 00	9.2893E 00	3.4352E-02
4.9832E 01	4.6844E 00	9.0428E 00	1.2233E 01	2.5265E 00	9.2116E 00	3.1754E-02
5.4230E 01	4.8192E 00	9.5656E 00	1.2940E 01	2.5241E 00	9.1452E 00	2.9479E-02
5.8628E 01	4.9443E 00	1.0080E 01	1.3636E 01	2.5221E 00	9.0891E 00	2.7476E-02
6.3026E 01	5.0613E 00	1.0585E 01	1.4320E 01	2.5204E 00	9.0411E 00	2.5694E-02

A = 10.0000E-04		B = 3.0000E-03		EPS = 10.0000E-02		GAM = 10.0000E-02	
X	Y	NUC	NLW	ETAMQ	NURATIO	DY/DX	
0.	4.0000E-03	0.	0.	8.3334E 02	0.	5.1673E 06	
10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	-8.7136E 02	4.8853E-01	5.2596E 06	
2.0000E-12	4.0105E-03	4.9869E-10	4.9870E-10	-6.0141E 02	5.8019E-01	5.0709E 06	
3.0000E-12	4.0154E-03	7.4711E-10	7.4712E-10	-4.6434E 02	6.4129E-01	5.1458E 06	
4.0000E-12	4.0206E-03	9.9487E-10	9.9487E-10	-3.7558E 02	6.8822E-01	5.2510E 06	
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	-2.6167E 02	7.5961E-01	5.1792E 06	
8.0000E-12	4.0417E-03	1.9794E-09	1.9794E-09	-1.8824E 02	8.1417E-01	5.0741E 06	
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	-1.3532E 02	8.5875E-01	4.9651E 06	
1.4000E-11	4.0711E-03	3.4388E-09	3.4389E-09	-6.1947E 01	9.2966E-01	4.9653E 06	
2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	2.4243E 01	1.0308E 00	4.7985E 06	
3.0000E-11	4.1486E-03	7.2314E-09	7.2314E-09	7.5559E 01	1.1038E 00	4.7803E 06	
3.8000E-11	4.1867E-03	9.0763E-09	9.0763E-09	1.1001E 02	1.1603E 00	4.5731E 06	
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	1.3539E 02	1.2070E 00	4.4351E 06	
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	1.5457E 02	1.2459E 00	4.3282E 06	
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	1.6964E 02	1.2794E 00	4.2018E 06	
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	1.8185E 02	1.3088E 00	4.2010E 06	
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	1.9960E 02	1.3568E 00	3.9503E 06	
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-08	2.1281E 02	1.3970E 00	3.7471E 06	
1.1800E-10	4.5098E-03	2.6165E-08	2.6166E-08	2.2225E 02	1.4300E 00	3.6882E 06	
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-08	2.2870E 02	1.4567E 00	3.4591E 06	
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	2.3436E 02	1.4814E 00	3.3607E 06	
1.6600E-10	4.6752E-03	3.5506E-08	3.5507E-08	2.3837E 02	1.5022E 00	3.3017E 06	
1.8200E-10	4.7278E-03	3.8495E-08	3.8496E-08	2.4122E 02	1.5201E 00	3.1505E 06	
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-08	2.4372E 02	1.5366E 00	3.1024E 06	
2.1400E-10	4.8257E-03	4.4346E-08	4.4346E-08	2.4534E 02	1.5508E 00	2.9943E 06	
2.3000E-10	4.8723E-03	4.7205E-08	4.7206E-08	2.4668E 02	1.5639E 00	2.8467E 06	
2.4600E-10	4.9165E-03	5.0035E-08	5.0036E-08	2.4782E 02	1.5761E 00	2.8071E 06	
2.6200E-10	4.9611E-03	5.2810E-08	5.2811E-08	2.4845E 02	1.5867E 00	2.7192E 06	
2.7800E-10	5.0036E-03	5.5560E-08	5.5560E-08	2.4898E 02	1.5967E 00	2.6614E 06	
2.9400E-10	5.0459E-03	5.8265E-08	5.8265E-08	2.4918E 02	1.6057E 00	2.6123E 06	
3.1000E-10	5.0874E-03	6.0935E-08	6.0935E-08	2.4921E 02	1.6138E 00	2.5539E 06	
3.2600E-10	5.1277E-03	6.3576E-08	6.3576E-08	2.4914E 02	1.6214E 00	2.4836E 06	
3.5800E-10	5.2044E-03	6.8788E-08	6.8788E-08	2.4884E 02	1.6353E 00	2.3561E 06	
4.2200E-10	5.3471E-03	7.8921E-08	7.8922E-08	2.4752E 02	1.6585E 00	2.1933E 06	
4.8600E-10	5.4869E-03	8.8575E-08	8.8575E-08	2.4467E 02	1.6743E 00	2.0209E 06	
5.5000E-10	5.6104E-03	9.8031E-08	9.8032E-08	2.4234E 02	1.6889E 00	1.8908E 06	
6.1400E-10	5.7284E-03	1.0718E-07	1.0719E-07	2.3966E 02	1.7003E 00	1.7728E 06	
6.7800E-10	5.8384E-03	1.1613E-07	1.1613E-07	2.3707E 02	1.7101E 00	1.6687E 06	
7.4200E-10	5.9423E-03	1.2487E-07	1.2487E-07	2.3454E 02	1.7185E 00	1.5844E 06	
8.0600E-10	6.0418E-03	1.3340E-07	1.3341E-07	2.3198E 02	1.7255E 00	1.5080E 06	
8.7000E-10	6.1360E-03	1.4178E-07	1.4179E-07	2.2956E 02	1.7318E 00	1.4467E 06	
9.3400E-10	6.2272E-03	1.4999E-07	1.4999E-07	2.2712E 02	1.7370E 00	1.3810E 06	
9.9800E-10	6.3134E-03	1.5808E-07	1.5808E-07	2.2488E 02	1.7419E 00	1.3287E 06	
1.0620E-09	6.3971E-03	1.6601E-07	1.6601E-07	2.2264E 02	1.7460E 00	1.2737E 06	
1.1260E-09	6.4768E-03	1.7385E-07	1.7385E-07	2.2056E 02	1.7500E 00	1.2213E 06	
1.1900E-09	6.5534E-03	1.8158E-07	1.8159E-07	2.1859E 02	1.7536E 00	1.1932E 06	
1.2540E-09	6.6300E-03	1.8914E-07	1.8914E-07	2.1648E 02	1.7562E 00	1.1427E 06	
1.3180E-09	6.7009E-03	1.9669E-07	1.9669E-07	2.1470E 02	1.7593E 00	1.1039E 06	
1.3820E-09	6.7707E-03	2.0411E-07	2.0412E-07	2.1291E 02	1.7620E 00	1.0742E 06	
1.4460E-09	6.8386E-03	2.1144E-07	2.1145E-07	2.1116E 02	1.7643E 00	1.0426E 06	
1.5100E-09	6.9039E-03	2.1872E-07	2.1872E-07	2.0953E 02	1.7667E 00	1.0139E 06	
1.5740E-09	6.9679E-03	2.2589E-07	2.2589E-07	2.0791E 02	1.7687E 00	9.8485E 05	
1.7020E-09	7.0902E-03	2.4005E-07	2.4005E-07	2.0490E 02	1.7725E 00	9.3329E 05	
1.8300E-09	7.2067E-03	2.5393E-07	2.5393E-07	2.0207E 02	1.7758E 00	8.8832E 05	
1.9580E-09	7.3179E-03	2.6756E-07	2.6757E-07	1.9940E 02	1.7786E 00	8.4940E 05	
2.0860E-09	7.4244E-03	2.8096E-07	2.8097E-07	1.9689E 02	1.7810E 00	8.1602E 05	
2.3420E-09	7.6263E-03	3.0709E-07	3.0710E-07	1.9220E 02	1.7848E 00	7.5263E 05	
2.5980E-09	7.8094E-03	3.3267E-07	3.3268E-07	1.8822E 02	1.7888E 00	7.0002E 05	
2.8540E-09	7.9832E-03	3.5750E-07	3.5751E-07	1.8447E 02	1.7914E 00	6.5558E 05	

3.1100E-09	8.1459E-03	3.8178E-07	3.8179E-07	1.8108E-02	1.7937E-00	6.1712E-05
3.3660E-09	8.2994E-03	4.0557E-07	4.0557E-07	1.7797E-02	1.7957E-00	5.8289E-05
3.8780E-09	8.5820E-03	4.5187E-07	4.5188E-07	1.7253E-02	1.7991E-00	5.2731E-05
4.3900E-09	8.8439E-03	4.9638E-07	4.9639E-07	1.6762E-02	1.8008E-00	4.8186E-05
4.9020E-09	9.0798E-03	5.3987E-07	5.3988E-07	1.6351E-02	1.8031E-00	4.4518E-05
5.4140E-09	9.3019E-03	5.8202E-07	5.8204E-07	1.5975E-02	1.8043E-00	4.1399E-05
5.9260E-09	9.5061E-03	6.2338E-07	6.2340E-07	1.5648E-02	1.8059E-00	3.8841E-05
6.9500E-09	9.8844E-03	7.0312E-07	7.0314E-07	1.5065E-02	1.8074E-00	3.4499E-05
7.9740E-09	1.0218E-02	7.8039E-07	7.8041E-07	1.4595E-02	1.8095E-00	3.1262E-05
8.9980E-09	1.0525E-02	8.5488E-07	8.5491E-07	1.4178E-02	1.8105E-00	2.8597E-05
1.0022E-08	1.0804E-02	9.2763E-07	9.2766E-07	1.3827E-02	1.8120E-00	2.6424E-05
1.1046E-08	1.1065E-02	9.9827E-07	9.9830E-07	1.3508E-02	1.8128E-00	2.4609E-05
1.2070E-08	1.1308E-02	1.0673E-06	1.0674E-06	1.3223E-02	1.8135E-00	2.3044E-05
1.3094E-08	1.1537E-02	1.1349E-06	1.1350E-06	1.2966E-02	1.8141E-00	2.1708E-05
1.4118E-08	1.1754E-02	1.2011E-06	1.2011E-06	1.2730E-02	1.8145E-00	2.0519E-05
1.5142E-08	1.1958E-02	1.2662E-06	1.2663E-06	1.2517E-02	1.8150E-00	1.9490E-05
1.6166E-08	1.2153E-02	1.3302E-06	1.3302E-06	1.2319E-02	1.8153E-00	1.8576E-05
1.7190E-08	1.2339E-02	1.3931E-06	1.3932E-06	1.2136E-02	1.8157E-00	1.7735E-05
1.9238E-08	1.2686E-02	1.5165E-06	1.5165E-06	1.1811E-02	1.8164E-00	1.6329E-05
2.1286E-08	1.3011E-02	1.6359E-06	1.6360E-06	1.1515E-02	1.8164E-00	1.5129E-05
2.3334E-08	1.3309E-02	1.7532E-06	1.7533E-06	1.1261E-02	1.8169E-00	1.4132E-05
2.5382E-08	1.3590E-02	1.8676E-06	1.8677E-06	1.1031E-02	1.8172E-00	1.3276E-05
2.7430E-08	1.3854E-02	1.9799E-06	1.9801E-06	1.0824E-02	1.8176E-00	1.2530E-05
2.9478E-08	1.4103E-02	2.0901E-06	2.0902E-06	1.0633E-02	1.8178E-00	1.1881E-05
3.1526E-08	1.4341E-02	2.1983E-06	2.1984E-06	1.0459E-02	1.8180E-00	1.1299E-05
3.3574E-08	1.4566E-02	2.3048E-06	2.3050E-06	1.0299E-02	1.8182E-00	1.0784E-05
3.7670E-08	1.4990E-02	2.5129E-06	2.5131E-06	1.0009E-02	1.8184E-00	9.8924E-06
4.1766E-08	1.5380E-02	2.7156E-06	2.7158E-06	9.7570E-03	1.8187E-00	9.1610E-06
4.5862E-08	1.5742E-02	2.9132E-06	2.9135E-06	9.5334E-03	1.8188E-00	8.5436E-06
5.4054E-08	1.6397E-02	3.2964E-06	3.2967E-06	9.1560E-03	1.8194E-00	7.5583E-06
6.2246E-08	1.6982E-02	3.6652E-06	3.6655E-06	8.8429E-03	1.8198E-00	6.8045E-06
7.0438E-08	1.7518E-02	4.0206E-06	4.0210E-06	8.5704E-03	1.8195E-00	6.1986E-06
7.8630E-08	1.8005E-02	4.3668E-06	4.3673E-06	8.3397E-03	1.8196E-00	5.7096E-06
8.6822E-08	1.8458E-02	4.7036E-06	4.7041E-06	8.1349E-03	1.8196E-00	5.3001E-06
9.5014E-08	1.8876E-02	5.0332E-06	5.0337E-06	7.9554E-03	1.8198E-00	4.9548E-06
1.0321E-07	1.9270E-02	5.3555E-06	5.3561E-06	7.7935E-03	1.8198E-00	4.6578E-06
1.1959E-07	1.9990E-02	5.9821E-06	5.9828E-06	7.5139E-03	1.8201E-00	4.1721E-06
1.3597E-07	2.0640E-02	6.5887E-06	6.5884E-06	7.2785E-03	1.8203E-00	3.7904E-06
1.5236E-07	2.1237E-02	7.1736E-06	7.1745E-06	7.0728E-03	1.8201E-00	3.4794E-06
1.6874E-07	2.1786E-02	7.7449E-06	7.7460E-06	6.8951E-03	1.8202E-00	3.2232E-06
1.8513E-07	2.2297E-02	8.3023E-06	8.3035E-06	6.7371E-03	1.8201E-00	3.0068E-06
2.0151E-07	2.2772E-02	8.8484E-06	8.8498E-06	6.5974E-03	1.8203E-00	2.8226E-06
2.1789E-07	2.3222E-02	9.3825E-06	9.3840E-06	6.4695E-03	1.8203E-00	2.6617E-06
2.3428E-07	2.3645E-02	9.9071E-06	9.9088E-06	6.3538E-03	1.8204E-00	2.5211E-06
2.5066E-07	2.4048E-02	1.0422E-05	1.0424E-05	6.2474E-03	1.8204E-00	2.3965E-06
2.6705E-07	2.4431E-02	1.0929E-05	1.0931E-05	6.1494E-03	1.8204E-00	2.2856E-06
2.8343E-07	2.4798E-02	1.1429E-05	1.1431E-05	6.0589E-03	1.8204E-00	2.1858E-06
3.1620E-07	2.5484E-02	1.2406E-05	1.2409E-05	5.8959E-03	1.8205E-00	2.0140E-06
3.4897E-07	2.6119E-02	1.3359E-05	1.3362E-05	5.7527E-03	1.8205E-00	1.8706E-06
3.8173E-07	2.6713E-02	1.4289E-05	1.4292E-05	5.6249E-03	1.8205E-00	1.7488E-06
4.1450E-07	2.7268E-02	1.5199E-05	1.5203E-05	5.5104E-03	1.8205E-00	1.6441E-06
4.4727E-07	2.7792E-02	1.6092E-05	1.6096E-05	5.4066E-03	1.8205E-00	1.5529E-06
4.8004E-07	2.8287E-02	1.6968E-05	1.6972E-05	5.3120E-03	1.8205E-00	1.4728E-06
5.4557E-07	2.9207E-02	1.8677E-05	1.8682E-05	5.1446E-03	1.8205E-00	1.3380E-06
6.1111E-07	3.0048E-02	2.0335E-05	2.0340E-05	5.0003E-03	1.8204E-00	1.2287E-06
6.7665E-07	3.0823E-02	2.1950E-05	2.1956E-05	4.8749E-03	1.8204E-00	1.1385E-06
7.4218E-07	3.1543E-02	2.3525E-05	2.3532E-05	4.7634E-03	1.8204E-00	1.0622E-06
8.0772E-07	3.2217E-02	2.5067E-05	2.5075E-05	4.6640E-03	1.8204E-00	9.9699E-07
8.7325E-07	3.2852E-02	2.6577E-05	2.6585E-05	4.5736E-03	1.8204E-00	9.4029E-07
9.3879E-07	3.3452E-02	2.8059E-05	2.8069E-05	4.4917E-03	1.8204E-00	8.9064E-07
1.0043E-06	3.4021E-02	2.9515E-05	2.9526E-05	4.4165E-03	1.8203E-00	8.4667E-07
1.1354E-06	3.5080E-02	3.2360E-05	3.2372E-05	4.2834E-03	1.8204E-00	7.7234E-07

1.2665E-06	3.6052E-02	3.5122E-05	3.5136E-05	4.1678E-01	1.8203E-00	7.1158E-03
1.5286E-06	3.7792E-02	4.0439E-05	4.0456E-05	3.9753E-01	1.8201E-00	6.1776E-03
1.7908E-06	3.9333E-02	4.5518E-05	4.5539E-05	3.8179E-01	1.8193E-00	5.4804E-03
2.0529E-06	4.0687E-02	5.0443E-05	5.0468E-05	3.6921E-01	1.8198E-00	4.9512E-03
2.3150E-06	4.1927E-02	5.5202E-05	5.5231E-05	3.5831E-01	1.8199E-00	4.5251E-03
2.5772E-06	4.3063E-02	5.9830E-05	5.9864E-05	3.4889E-01	1.8200E-00	4.1766E-03
2.8393E-06	4.4124E-02	6.4330E-05	6.4367E-05	3.4045E-01	1.8197E-00	3.8825E-03
3.1015E-06	4.5108E-02	6.8736E-05	6.8778E-05	3.3304E-01	1.8198E-00	3.6343E-03
3.3636E-06	4.6034E-02	7.3045E-05	7.3091E-05	3.2632E-01	1.8197E-00	3.4194E-03
3.6258E-06	4.6904E-02	7.7276E-05	7.7327E-05	3.2028E-01	1.8197E-00	3.2327E-03
3.8879E-06	4.7730E-02	8.1428E-05	8.1484E-05	3.1474E-01	1.8197E-00	3.0680E-03
4.1501E-06	4.8514E-02	8.5513E-05	8.5573E-05	3.0966E-01	1.8197E-00	2.9217E-03
4.4122E-06	4.9263E-02	8.9532E-05	8.9597E-05	3.0455E-01	1.8197E-00	2.7906E-03
4.9365E-06	5.0665E-02	9.7397E-05	9.7472E-05	2.9652E-01	1.8197E-00	2.5655E-03
5.4608E-06	5.1960E-02	1.0505E-04	1.0514E-04	2.8913E-01	1.8196E-00	2.3786E-03
5.9851E-06	5.3165E-02	1.1253E-04	1.1262E-04	2.8258E-01	1.8196E-00	2.2206E-03
6.5093E-06	5.4292E-02	1.1984E-04	1.1995E-04	2.7671E-01	1.8195E-00	2.0853E-03
7.5579E-06	5.6356E-02	1.3405E-04	1.3417E-04	2.6659E-01	1.8195E-00	1.8647E-03
8.6065E-06	5.8209E-02	1.4778E-04	1.4793E-04	2.5815E-01	1.8197E-00	1.6924E-03
9.6551E-06	5.9913E-02	1.6107E-04	1.6124E-04	2.5078E-01	1.8195E-00	1.5522E-03
1.0704E-05	6.1478E-02	1.7401E-04	1.7420E-04	2.4439E-01	1.8194E-00	1.4368E-03
1.2801E-05	6.4316E-02	1.9891E-04	1.9915E-04	2.3349E-01	1.8186E-00	1.2551E-03
1.4898E-05	6.6820E-02	2.2281E-04	2.2310E-04	2.2467E-01	1.8180E-00	1.1194E-03
1.6995E-05	6.9044E-02	2.4597E-04	2.4632E-04	2.1749E-01	1.8183E-00	1.0149E-03
1.9092E-05	7.1088E-02	2.6837E-04	2.6878E-04	2.1122E-01	1.8180E-00	9.2996E-04
2.1189E-05	7.2959E-02	2.9020E-04	2.9066E-04	2.0562E-01	1.8181E-00	8.6033E-04
2.3287E-05	7.4708E-02	3.1144E-04	3.1196E-04	2.0098E-01	1.8178E-00	8.0142E-04
2.7481E-05	7.7849E-02	3.5268E-04	3.5332E-04	1.9293E-01	1.8181E-00	7.0846E-04
3.1675E-05	8.0661E-02	3.9231E-04	3.9308E-04	1.8621E-01	1.8180E-00	6.3707E-04
3.5869E-05	8.3219E-02	4.3058E-04	4.3147E-04	1.8046E-01	1.8177E-00	5.8024E-04
4.0064E-05	8.5552E-02	4.6779E-04	4.6861E-04	1.7554E-01	1.8176E-00	5.3415E-04
4.4258E-05	8.7708E-02	5.0403E-04	5.0519E-04	1.7123E-01	1.8175E-00	4.9582E-04
4.8452E-05	8.9716E-02	5.3941E-04	5.4071E-04	1.6740E-01	1.8174E-00	4.6335E-04
5.2647E-05	9.1604E-02	5.7400E-04	5.7544E-04	1.6393E-01	1.8172E-00	4.3536E-04
5.6841E-05	9.3378E-02	6.0793E-04	6.0951E-04	1.6082E-01	1.8170E-00	4.1109E-04
6.1035E-05	9.5058E-02	6.4122E-04	6.4295E-04	1.5797E-01	1.8169E-00	3.8974E-04
6.9424E-05	9.8168E-02	7.0618E-04	7.0821E-04	1.5297E-01	1.8167E-00	3.5397E-04
7.7813E-05	1.0101E-01	7.6918E-04	7.7152E-04	1.4867E-01	1.8166E-00	3.2503E-04
8.6201E-05	1.0364E-01	8.3043E-04	8.3309E-04	1.4489E-01	1.8163E-00	3.0101E-04
9.4590E-05	1.0607E-01	8.9025E-04	8.9323E-04	1.4156E-01	1.8161E-00	2.8082E-04
1.0298E-04	1.0836E-01	9.4872E-04	9.5203E-04	1.3857E-01	1.8159E-00	2.6351E-04
1.1137E-04	1.1050E-01	1.0060E-03	1.0097E-03	1.3589E-01	1.8157E-00	2.4853E-04
1.1976E-04	1.1253E-01	1.0622E-03	1.0662E-03	1.3343E-01	1.8155E-00	2.3538E-04
1.3653E-04	1.1628E-01	1.1718E-03	1.1765E-03	1.2912E-01	1.8152E-00	2.1341E-04
1.5331E-04	1.1971E-01	1.2779E-03	1.2834E-03	1.2541E-01	1.8148E-00	1.9566E-04
1.7009E-04	1.2287E-01	1.3812E-03	1.3874E-03	1.2218E-01	1.8145E-00	1.8103E-04
1.8686E-04	1.2580E-01	1.4819E-03	1.4889E-03	1.1933E-01	1.8142E-00	1.6874E-04
2.0364E-04	1.2854E-01	1.5804E-03	1.5882E-03	1.1678E-01	1.8140E-00	1.5824E-04
2.2042E-04	1.3112E-01	1.6768E-03	1.6854E-03	1.1448E-01	1.8137E-00	1.4914E-04
2.5397E-04	1.3586E-01	1.8643E-03	1.8745E-03	1.1048E-01	1.8132E-00	1.3416E-04
2.8753E-04	1.4015E-01	2.0456E-03	2.0575E-03	1.0708E-01	1.8127E-00	1.2227E-04
3.2108E-04	1.4409E-01	2.2215E-03	2.2352E-03	1.0415E-01	1.8122E-00	1.1258E-04
3.5464E-04	1.4773E-01	2.3928E-03	2.4083E-03	1.0157E-01	1.8117E-00	1.0452E-04
3.8819E-04	1.5112E-01	2.5601E-03	2.5774E-03	9.9289E-02	1.8113E-00	9.7695E-05
4.2175E-04	1.5430E-01	2.7238E-03	2.7429E-03	9.7238E-02	1.8109E-00	9.1829E-05
4.8885E-04	1.6011E-01	3.0417E-03	3.0647E-03	9.3704E-02	1.8103E-00	8.2260E-05
5.5596E-04	1.6535E-01	3.3489E-03	3.3759E-03	9.0738E-02	1.8098E-00	7.4753E-05
6.2307E-04	1.7017E-01	3.6460E-03	3.6771E-03	8.8151E-02	1.8089E-00	6.8640E-05
6.9018E-04	1.7460E-01	3.9353E-03	3.9707E-03	8.5904E-02	1.8083E-00	6.3594E-05
7.5729E-04	1.7872E-01	4.2173E-03	4.2570E-03	8.3908E-02	1.8076E-00	5.9334E-05
8.2440E-04	1.8257E-01	4.4535E-03	4.5376E-03	8.2141E-02	1.8072E-00	5.5705E-05
8.9151E-04	1.8620E-01	4.7636E-03	4.8121E-03	8.0527E-02	1.8065E-00	5.2542E-05

1.0257E-03	1.92E7E-01	5.2893E-03	5.3471E-03	7.7738E 00	1.8057E 00	4.7340E 01
1.1599E-03	1.9893E-01	5.7973E-03	5.8645E-03	7.5360E 00	1.8047E 00	4.3197E 01
1.2942E-03	2.0451E-01	6.2897E-03	6.3667E-03	7.3287E 00	1.8036E 00	3.9804E 01
1.4284E-03	2.0965E-01	6.7696E-03	6.8566E-03	7.1480E 00	1.8028E 00	3.6986E 01
1.5626E-03	2.1446E-01	7.2377E-03	7.3350E-03	6.9867E 00	1.8019E 00	3.4592E 01
1.6968E-03	2.1895E-01	7.6960E-03	7.8036E-03	6.8426E 00	1.8011E 00	3.2537E 01
1.8310E-03	2.2320E-01	8.1445E-03	8.2627E-03	6.7113E 00	1.8003E 00	3.0744E 01
2.0995E-03	2.3102E-01	9.0176E-03	9.1576E-03	6.4828E 00	1.7990E 00	2.7774E 01
2.3679E-03	2.3816E-01	9.8612E-03	1.0024E-02	6.2868E 00	1.7975E 00	2.5395E 01
2.6363E-03	2.4471E-01	1.0680E-02	1.0866E-02	6.1170E 00	1.7962E 00	2.3447E 01
2.9048E-03	2.5078E-01	1.1479E-02	1.1687E-02	5.9681E 00	1.7950E 00	2.1820E 01
3.1732E-03	2.5644E-01	1.2258E-02	1.2490E-02	5.8355E 00	1.7939E 00	2.0437E 01
3.4416E-03	2.6176E-01	1.3019E-02	1.3277E-02	5.7159E 00	1.7928E 00	1.9242E 01
3.9785E-03	2.7154E-01	1.4498E-02	1.4805E-02	5.5083E 00	1.7907E 00	1.7283E 01
4.5154E-03	2.8040E-01	1.5924E-02	1.6283E-02	5.3326E 00	1.7887E 00	1.5736E 01
5.0523E-03	2.8850E-01	1.7306E-02	1.7718E-02	5.1812E 00	1.7869E 00	1.4480E 01
5.5891E-03	2.9600E-01	1.8650E-02	1.9115E-02	5.0485E 00	1.7851E 00	1.3438E 01
6.1260E-03	3.0297E-01	1.9959E-02	2.0480E-02	4.9311E 00	1.7835E 00	1.2558E 01
6.6629E-03	3.0950E-01	2.1239E-02	2.1816E-02	4.8259E 00	1.7819E 00	1.1803E 01
7.7366E-03	3.2147E-01	2.3720E-02	2.4413E-02	4.6447E 00	1.7792E 00	1.0574E 01
8.8104E-03	3.3224E-01	2.6112E-02	2.6924E-02	4.4930E 00	1.7767E 00	9.6123E 00
9.8841E-03	3.4215E-01	2.8421E-02	2.9355E-02	4.3667E 00	1.7740E 00	8.8304E 00
1.0958E-02	3.5128E-01	3.0666E-02	3.1723E-02	4.2459E 00	1.7716E 00	8.1859E 00
1.2032E-02	3.5978E-01	3.2849E-02	3.4033E-02	4.1440E 00	1.7693E 00	7.6423E 00
1.3105E-02	3.6770E-01	3.4985E-02	3.6298E-02	4.0539E 00	1.7673E 00	7.1797E 00
1.4179E-02	3.7520E-01	3.7069E-02	3.8512E-02	3.9716E 00	1.7651E 00	6.7766E 00
1.5253E-02	3.8228E-01	3.9111E-02	4.0688E-02	3.8970E 00	1.7632E 00	6.4243E 00
1.6327E-02	3.8901E-01	4.1114E-02	4.2825E-02	3.8286E 00	1.7613E 00	6.1125E 00
1.8474E-02	4.0153E-01	4.5017E-02	4.7002E-02	3.7075E 00	1.7578E 00	5.5858E 00
2.0622E-02	4.1303E-01	4.8795E-02	5.1060E-02	3.6028E 00	1.7545E 00	5.1561E 00
2.2769E-02	4.2371E-01	5.2462E-02	5.5012E-02	3.5103E 00	1.7513E 00	4.7970E 00
2.4916E-02	4.3367E-01	5.6035E-02	5.8874E-02	3.4284E 00	1.7483E 00	4.4930E 00
2.7064E-02	4.4304E-01	5.9521E-02	6.2654E-02	3.3545E 00	1.7454E 00	4.2311E 00
2.9211E-02	4.5186E-01	6.2931E-02	6.6362E-02	3.2879E 00	1.7427E 00	4.0036E 00
3.1359E-02	4.6024E-01	6.6269E-02	7.0001E-02	3.2269E 00	1.7400E 00	3.8031E 00
3.5654E-02	4.7582E-01	7.2760E-02	7.7104E-02	3.1194E 00	1.7351E 00	3.4664E 00
3.9949E-02	4.9011E-01	7.9025E-02	8.3993E-02	3.0265E 00	1.7304E 00	3.1933E 00
4.4244E-02	5.0333E-01	8.5101E-02	9.0702E-02	2.9454E 00	1.7260E 00	2.9671E 00
4.8539E-02	5.1565E-01	9.1009E-02	9.7253E-02	2.8737E 00	1.7220E 00	2.7764E 00
5.7129E-02	5.3807E-01	1.0240E-01	1.0995E-01	2.7519E 00	1.7146E 00	2.4717E 00
6.5719E-02	5.5813E-01	1.1331E-01	1.2219E-01	2.6517E 00	1.7080E 00	2.2381E 00
7.4309E-02	5.7660E-01	1.2376E-01	1.3399E-01	2.5645E 00	1.7014E 00	2.0503E 00
8.2899E-02	5.9353E-01	1.3387E-01	1.4547E-01	2.4897E 00	1.6954E 00	1.8976E 00
9.1488E-02	6.0931E-01	1.4366E-01	1.5665E-01	2.4237E 00	1.6897E 00	1.7698E 00
1.0008E-01	6.2395E-01	1.5320E-01	1.6759E-01	2.3661E 00	1.6847E 00	1.6621E 00
1.0867E-01	6.3785E-01	1.6247E-01	1.7827E-01	2.3133E 00	1.6796E 00	1.5686E 00
1.1726E-01	6.5095E-01	1.7153E-01	1.8874E-01	2.2659E 00	1.6749E 00	1.4875E 00
1.2585E-01	6.6341E-01	1.8038E-01	1.9902E-01	2.2224E 00	1.6703E 00	1.4159E 00
1.3444E-01	6.7549E-01	1.8904E-01	2.0912E-01	2.1826E 00	1.6660E 00	1.3524E 00
1.4303E-01	6.8666E-01	1.9754E-01	2.1905E-01	2.1457E 00	1.6619E 00	1.2955E 00
1.6021E-01	7.0804E-01	2.1407E-01	2.3847E-01	2.0797E 00	1.6540E 00	1.1978E 00
1.7739E-01	7.2791E-01	2.3004E-01	2.5735E-01	2.0219E 00	1.6467E 00	1.1167E 00
1.9457E-01	7.4650E-01	2.4553E-01	2.7575E-01	1.9707E 00	1.6399E 00	1.0482E 00
2.1175E-01	7.6399E-01	2.6059E-01	2.9373E-01	1.9249E 00	1.6334E 00	9.8944E-01
2.4611E-01	7.9625E-01	2.8958E-01	3.2858E-01	1.8460E 00	1.6216E 00	8.9362E-01
2.8047E-01	8.2550E-01	3.1733E-01	3.6218E-01	1.7802E 00	1.6110E 00	8.1868E-01
3.1483E-01	8.5262E-01	3.4390E-01	3.9459E-01	1.7249E 00	1.6010E 00	7.5769E-01
3.4919E-01	8.7776E-01	3.6957E-01	4.2606E-01	1.6734E 00	1.5919E 00	7.0737E-01
4.1791E-01	9.2384E-01	4.1834E-01	4.8638E-01	1.5890E 00	1.5748E 00	6.2806E-01
4.8663E-01	9.6481E-01	4.6466E-01	5.4410E-01	1.5221E 00	1.5604E 00	5.6904E-01
5.5534E-01	1.0022E 00	5.0881E-01	5.9948E-01	1.4663E 00	1.5475E 00	5.2283E-01
6.2406E-01	1.0368E 00	5.5106E-01	6.5279E-01	1.4181E 00	1.5356E 00	4.8538E-01

6.9278E-01	1.0691E 00	5.9172E-01	7.0434E-01	1.3762E 00	1.5247E 00	4.5438E-01
7.6150E-01	1.0993E 00	6.3104E-01	7.5436E-01	1.3394E 00	1.5146E 00	4.2829E-01
8.3022E-01	1.1280E 00	6.6911E-01	8.0295E-01	1.3064E 00	1.5053E 00	4.0591E-01
9.6766E-01	1.1812E 00	7.4202E-01	8.9637E-01	1.2496E 00	1.4881E 00	3.6937E-01
1.1051E 00	1.2298E 00	8.1154E-01	9.8571E-01	1.2030E 00	1.4732E 00	3.4090E-01
1.2425E 00	1.2749E 00	8.7794E-01	1.0713E 00	1.1628E 00	1.4596E 00	3.1778E-01
1.3800E 00	1.3172E 00	9.4172E-01	1.1536E 00	1.1278E 00	1.4472E 00	2.9860E-01
1.5174E 00	1.3572E 00	1.0032E 00	1.2329E 00	1.0968E 00	1.4357E 00	2.8237E-01
1.6549E 00	1.3950E 00	1.0627E 00	1.3098E 00	1.0692E 00	1.4252E 00	2.6845E-01
1.7923E 00	1.4311E 00	1.1205E 00	1.3843E 00	1.0444E 00	1.4154E 00	2.5634E-01
1.9297E 00	1.4655E 00	1.1767E 00	1.4568E 00	1.0219E 00	1.4062E 00	2.4570E-01
2.2046E 00	1.5306E 00	1.2848E 00	1.5960E 00	9.8228E-01	1.3895E 00	2.2776E-01
2.4795E 00	1.5912E 00	1.3881E 00	1.7284E 00	9.4827E-01	1.3745E 00	2.1316E-01
2.7544E 00	1.6480E 00	1.4873E 00	1.8553E 00	9.1877E-01	1.3611E 00	2.0102E-01
3.0292E 00	1.7018E 00	1.5830E 00	1.9770E 00	8.9259E-01	1.3489E 00	1.9069E-01
3.3041E 00	1.7530E 00	1.6755E 00	2.0942E 00	8.6915E-01	1.3377E 00	1.8178E-01
3.5790E 00	1.8019E 00	1.7651E 00	2.2074E 00	8.4783E-01	1.3273E 00	1.7397E-01
3.8539E 00	1.8487E 00	1.8523E 00	2.3169E 00	8.2843E-01	1.3177E 00	1.6707E-01
4.4036E 00	1.9373E 00	2.0200E 00	2.5261E 00	7.9383E-01	1.3002E 00	1.5533E-01
4.9534E 00	2.0201E 00	2.1801E 00	2.7241E 00	7.6375E-01	1.2847E 00	1.4567E-01
5.5031E 00	2.0977E 00	2.3340E 00	2.9128E 00	7.3737E-01	1.2710E 00	1.3755E-01
6.0529E 00	2.1714E 00	2.4822E 00	3.0930E 00	7.1345E-01	1.2585E 00	1.3056E-01
6.6027E 00	2.2414E 00	2.6255E 00	3.2659E 00	6.9176E-01	1.2472E 00	1.2446E-01
7.1524E 00	2.3084E 00	2.7645E 00	3.4323E 00	6.7169E-01	1.2368E 00	1.1906E-01
7.7022E 00	2.3725E 00	2.8997E 00	3.5931E 00	6.5319E-01	1.2272E 00	1.1425E-01
8.2519E 00	2.4341E 00	3.0314E 00	3.7487E 00	6.3589E-01	1.2183E 00	1.0991E-01
9.3514E 00	2.5507E 00	3.2859E 00	4.0466E 00	6.0445E-01	1.2023E 00	1.0237E-01
1.0451E 01	2.6596E 00	3.5299E 00	4.3290E 00	5.7619E-01	1.1882E 00	9.5991E-02
1.1550E 01	2.7622E 00	3.7650E 00	4.5984E 00	5.5048E-01	1.1758E 00	9.0498E-02
1.2650E 01	2.8590E 00	3.9926E 00	4.8568E 00	5.2696E-01	1.1646E 00	8.5698E-02
1.3749E 01	2.9508E 00	4.2135E 00	5.1057E 00	5.0520E-01	1.1546E 00	8.1448E-02
1.5949E 01	3.1217E 00	4.6384E 00	5.5794E 00	4.6597E-01	1.1372E 00	7.4222E-02
1.8148E 01	3.2778E 00	5.0452E 00	6.0277E 00	4.3175E-01	1.1227E 00	6.8281E-02
2.0247E 01	3.4225E 00	5.4260E 00	6.4537E 00	4.0069E-01	1.1103E 00	6.3251E-02
2.2546E 01	3.5567E 00	5.8146E 00	6.8631E 00	3.7296E-01	1.0996E 00	5.8942E-02
2.4745E 01	3.6823E 00	6.1822E 00	7.2576E 00	3.4770E-01	1.0903E 00	5.5185E-02
2.6944E 01	3.7999E 00	6.5409E 00	7.6403E 00	3.2487E-01	1.0822E 00	5.1882E-02
2.9143E 01	3.9108E 00	6.8915E 00	8.0123E 00	3.0393E-01	1.0750E 00	4.8942E-02
3.3541E 01	4.1145E 00	7.5731E 00	8.7306E 00	2.6747E-01	1.0632E 00	4.3934E-02
3.7939E 01	4.2985E 00	8.2322E 00	9.4199E 00	2.3653E-01	1.0537E 00	3.9799E-02
4.2337E 01	4.4658E 00	8.8737E 00	1.0087E 01	2.1053E-01	1.0461E 00	3.6322E-02
4.6735E 01	4.6188E 00	9.5008E 00	1.0736E 01	1.8879E-01	1.0400E 00	3.3352E-02
5.1133E 01	4.7596E 00	1.0116E 01	1.1370E 01	1.7070E-01	1.0351E 00	3.0780E-02
5.5531E 01	4.8899E 00	1.0721E 01	1.1992E 01	1.5569E-01	1.0312E 00	2.8525E-02
6.4327E 01	5.1234E 00	1.1905E 01	1.3206E 01	1.3395E-01	1.0255E 00	2.4757E-02

* * ALL DATA PROCESSED.

A = 10.0000E-04

B = 3.0000E-03

EPS = 1.7700E-03

GAM = 10.0000E-07

X	Y	NUC	NUW	ETAMO	NURATIO	DY/DX
0.	4.0000E-03	0.	0.	8.3334E 07	0.	5.1673E 06
10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	1.9617E 07	1.3084E 00	5.2596E 06
2.0000E-12	4.0105E-03	4.9869E-10	4.9869E-10	2.9627E 07	1.5539E 00	5.0709E 06
3.0000E-12	4.0154E-03	7.4711E-10	7.4711E-10	3.4681E 07	1.7175E 00	5.1458E 06
4.0000E-12	4.0206E-03	9.9487E-10	9.9487E-10	3.7927E 07	1.8432E 00	5.2510E 06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	4.2042E 07	2.0344E 00	5.1792E 06
8.0000E-12	4.0417E-03	1.9794E-09	1.9794E-09	4.4652E 07	2.1896E 00	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	4.6500E 07	2.3000E 00	4.9651E 06
1.4000E-11	4.0711E-03	3.4389E-09	3.4389E-09	4.8994E 07	2.4899E 00	4.9653E 06
2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	5.1716E 07	2.7608E 00	4.7986E 06
3.0000E-11	4.1486E-03	7.2314E-09	7.2314E-09	5.3170E 07	2.9563E 00	4.7803E 06
3.8000E-11	4.1867E-03	9.0763E-09	9.0763E-09	5.3997E 07	3.1076E 00	4.5731E 06
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	5.4530E 07	3.2325E 00	4.4351E 06
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	5.4837E 07	3.3370E 00	4.3283E 06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	5.5008E 07	3.4266E 00	4.2018E 06
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	5.5092E 07	3.5052E 00	4.2010E 06
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	5.5016E 07	3.6338E 00	3.9503E 06
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-08	5.4873E 07	3.7415E 00	3.7471E 06
1.1800E-10	4.5098E-03	2.6165E-08	2.6165E-08	5.4615E 07	3.8298E 00	3.6882E 06
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-08	5.4247E 07	3.9015E 00	3.4591E 06
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	5.3940E 07	3.9676E 00	3.3607E 06
1.6600E-10	4.6752E-03	3.5506E-08	3.5506E-08	5.3578E 07	4.0233E 00	3.3017E 06
1.8200E-10	4.7278E-03	3.8496E-08	3.8496E-08	5.3187E 07	4.0711E 00	3.1505E 06
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-08	5.2831E 07	4.1155E 00	3.1024E 06
2.1400E-10	4.8257E-03	4.4346E-08	4.4346E-08	5.2445E 07	4.1534E 00	2.9943E 06
2.3000E-10	4.8723E-03	4.7206E-08	4.7206E-08	5.2081E 07	4.1885E 00	2.8467E 06
2.4600E-10	4.9165E-03	5.0035E-08	5.0035E-08	5.1738E 07	4.2212E 00	2.8071E 06
2.6200E-10	4.9611E-03	5.2811E-08	5.2811E-08	5.1379E 07	4.2497E 00	2.7192E 06
2.7800E-10	5.0036E-03	5.5560E-08	5.5560E-08	5.1041E 07	4.2765E 00	2.6614E 06
2.9400E-10	5.0459E-03	5.8265E-08	5.8265E-08	5.0699E 07	4.3004E 00	2.6123E 06
3.1000E-10	5.0874E-03	6.0935E-08	6.0935E-08	5.0363E 07	4.3222E 00	2.5540E 06
3.2600E-10	5.1277E-03	6.3576E-08	6.3576E-08	5.0037E 07	4.3425E 00	2.4836E 06
3.5800E-10	5.2044E-03	6.8788E-08	6.8788E-08	4.9426E 07	4.3799E 00	2.3561E 06
4.2200E-10	5.3471E-03	7.8921E-08	7.8921E-08	4.8305E 07	4.4419E 00	2.1933E 06
4.8600E-10	5.4869E-03	8.8575E-08	8.8575E-08	4.7204E 07	4.4843E 00	2.0214E 06
5.5000E-10	5.6105E-03	9.8030E-08	9.8030E-08	4.6278E 07	4.5232E 00	1.8917E 06
6.1400E-10	5.7286E-03	1.0718E-07	1.0718E-07	4.5410E 07	4.5536E 00	1.7736E 06
6.7800E-10	5.8386E-03	1.1612E-07	1.1612E-07	4.4626E 07	4.5799E 00	1.6707E 06
7.4200E-10	5.9427E-03	1.2486E-07	1.2486E-07	4.3904E 07	4.6023E 00	1.6054E 06
8.0600E-10	6.0453E-03	1.3333E-07	1.3333E-07	4.3201E 07	4.6187E 00	1.5116E 06
8.7000E-10	6.1383E-03	1.4173E-07	1.4173E-07	4.2592E 07	4.6365E 00	1.4441E 06
9.3400E-10	6.2293E-03	1.4994E-07	1.4994E-07	4.2005E 07	4.6506E 00	1.3916E 06
9.9800E-10	6.3168E-03	1.5799E-07	1.5799E-07	4.1453E 07	4.6628E 00	1.3205E 06
1.0620E-09	6.3972E-03	1.6601E-07	1.6601E-07	4.0964E 07	4.6763E 00	1.2741E 06
1.1260E-09	6.4779E-03	1.7382E-07	1.7382E-07	4.0477E 07	4.6861E 00	1.2256E 06
1.1900E-09	6.5548E-03	1.8155E-07	1.8155E-07	4.0024E 07	4.6956E 00	1.1798E 06
1.2540E-09	6.6289E-03	1.8917E-07	1.8917E-07	3.9596E 07	4.7043E 00	1.1473E 06
1.3180E-09	6.7019E-03	1.9666E-07	1.9666E-07	3.9181E 07	4.7113E 00	1.1066E 06
1.3820E-09	6.7712E-03	2.0410E-07	2.0410E-07	3.8796E 07	4.7187E 00	1.0759E 06
1.4460E-09	6.8393E-03	2.1142E-07	2.1142E-07	3.8423E 07	4.7249E 00	1.0449E 06
1.5740E-09	6.9690E-03	2.2586E-07	2.2586E-07	3.7732E 07	4.7363E 00	9.8184E 05
1.8300E-09	7.2039E-03	2.5403E-07	2.5403E-07	3.6547E 07	4.7578E 00	8.9242E 05
2.0860E-09	7.4322E-03	2.8067E-07	2.8067E-07	3.5438E 07	4.7651E 00	8.1298E 05
2.3420E-09	7.6312E-03	3.0690E-07	3.0690E-07	3.4537E 07	4.7771E 00	7.5277E 05
2.5980E-09	7.8192E-03	3.3226E-07	3.3226E-07	3.3721E 07	4.7848E 00	6.9784E 05
2.8540E-09	7.9913E-03	3.5714E-07	3.5714E-07	3.3010E 07	4.7930E 00	6.5217E 05
3.1100E-09	8.1538E-03	3.8142E-07	3.8142E-07	3.2364E 07	4.7994E 00	6.1418E 05

3.9420E+09	8.6191E-03	4.5735E+07	4.5736E+07	3.6135E 03	1.5228E 01	5.1979E 05
4.1980E+09	8.7488E-03	4.7984E+07	4.7984E+07	3.5601E 03	1.5240E 01	4.9758E 05
4.4540E+09	8.8743E-03	5.0190E+07	5.0190E+07	3.5099E 03	1.5248E 01	4.7707E 05
4.7100E+09	8.9940E-03	5.2368E+07	5.2368E+07	3.4634E 03	1.5257E 01	4.5794E 05
4.9660E+09	9.1089E-03	5.4518E+07	5.4518E+07	3.4198E 03	1.5265E 01	4.4155E 05
5.2220E+09	9.2202E-03	5.6636E+07	5.6636E+07	3.3786E 03	1.5272E 01	4.2537E 05
5.4780E+09	9.3271E-03	5.8732E+07	5.8732E+07	3.3400E 03	1.5274E 01	4.1119E 05
5.7340E+09	9.4309E-03	6.0800E+07	6.0800E+07	3.3033E 03	1.5284E 01	3.9735E 05
5.9900E+09	9.5309E-03	6.2848E+07	6.2848E+07	3.2687E 03	1.5289E 01	3.8525E 05
6.2460E+09	9.6283E-03	6.4871E+07	6.4871E+07	3.2358E 03	1.5294E 01	3.7349E 05
6.5020E+09	9.7224E-03	6.6876E+07	6.6876E+07	3.2045E 03	1.5299E 01	3.6223E 05
7.0140E+09	9.9026E-03	7.0830E+07	7.0830E+07	3.1463E 03	1.5304E 01	3.4312E 05
7.5260E+09	1.0075E-02	7.4700E+07	7.4700E+07	3.0926E 03	1.5311E 01	3.2562E 05
8.0380E+09	1.0237E-02	7.8515E+07	7.8516E+07	3.0436E 03	1.5320E 01	3.1068E 05
8.5500E+09	1.0393E-02	8.2263E+07	8.2264E+07	2.9980E 03	1.5325E 01	2.9646E 05
9.0620E+09	1.0542E-02	8.5960E+07	8.5960E+07	2.9558E 03	1.5330E 01	2.8459E 05
9.5740E+09	1.0685E-02	8.9601E+07	8.9601E+07	2.9163E 03	1.5334E 01	2.7299E 05
1.0086E+08	1.0822E-02	9.3198E+07	9.3199E+07	2.8794E 03	1.5339E 01	2.6301E 05
1.0598E+08	1.0955E-02	9.6744E+07	9.6744E+07	2.8446E 03	1.5342E 01	2.5350E 05
1.1110E+08	1.1082E-02	1.0025E+06	1.0025E+06	2.8119E 03	1.5345E 01	2.4467E 05
1.1622E+08	1.1205E-02	1.0372E+06	1.0372E+06	2.7811E 03	1.5348E 01	2.3690E 05
1.2134E+08	1.1325E-02	1.0714E+06	1.0714E+06	2.7517E 03	1.5351E 01	2.2936E 05
1.2646E+08	1.1441E-02	1.1054E+06	1.1054E+06	2.7240E 03	1.5354E 01	2.2256E 05
1.3158E+08	1.1553E-02	1.1389E+06	1.1389E+06	2.6975E 03	1.5356E 01	2.1608E 05
1.3670E+08	1.1662E-02	1.1722E+06	1.1722E+06	2.6723E 03	1.5358E 01	2.1020E 05
1.4182E+08	1.1768E-02	1.2051E+06	1.2051E+06	2.6482E 03	1.5360E 01	2.0445E 05
1.4694E+08	1.1872E-02	1.2377E+06	1.2377E+06	2.6252E 03	1.5362E 01	1.9930E 05
1.5206E+08	1.1973E-02	1.2701E+06	1.2701E+06	2.6031E 03	1.5363E 01	1.9415E 05
1.6230E+08	1.2166E-02	1.3340E+06	1.3340E+06	2.5617E 03	1.5367E 01	1.8512E 05
1.7254E+08	1.2352E-02	1.3969E+06	1.3969E+06	2.5232E 03	1.5369E 01	1.7686E 05
1.8278E+08	1.2529E-02	1.4588E+06	1.4589E+06	2.4875E 03	1.5372E 01	1.6944E 05
1.9302E+08	1.2699E-02	1.5199E+06	1.5200E+06	2.4543E 03	1.5374E 01	1.6272E 05
2.0326E+08	1.2863E-02	1.5802E+06	1.5803E+06	2.4231E 03	1.5378E 01	1.5660E 05
2.1350E+08	1.3020E-02	1.6398E+06	1.6398E+06	2.3938E 03	1.5378E 01	1.5103E 05
2.2398E+08	1.3319E-02	1.7567E+06	1.7567E+06	2.3401E 03	1.5381E 01	1.4105E 05
2.7494E+08	1.3860E-02	1.9837E+06	1.9837E+06	2.2489E 03	1.5389E 01	1.2518E 05
3.1590E+08	1.4346E-02	2.2020E+06	2.2020E+06	2.1727E 03	1.5393E 01	1.1288E 05
3.5686E+08	1.4789E-02	2.4130E+06	2.4130E+06	2.1077E 03	1.5394E 01	1.0302E 05
3.9782E+08	1.5194E-02	2.6183E+06	2.6184E+06	2.0516E 03	1.5397E 01	9.5010E 04
4.3878E+08	1.5569E-02	2.8183E+06	2.8183E+06	2.0021E 03	1.5398E 01	8.8321E 04
4.7974E+08	1.5918E-02	3.0138E+06	3.0139E+06	1.9583E 03	1.5400E 01	8.2630E 04
5.2070E+08	1.6247E-02	3.2049E+06	3.2049E+06	1.9186E 03	1.5401E 01	7.7712E 04
5.6166E+08	1.6557E-02	3.3924E+06	3.3924E+06	1.8827E 03	1.5402E 01	7.3435E 04
6.4358E+08	1.7129E-02	3.7573E+06	3.7573E+06	1.8199E 03	1.5403E 01	6.6317E 04
7.2550E+08	1.7647E-02	4.1111E+06	4.1112E+06	1.7664E 03	1.5405E 01	6.0639E 04
8.0742E+08	1.8123E-02	4.4551E+06	4.4552E+06	1.7201E 03	1.5407E 01	5.5949E 04
8.8934E+08	1.8566E-02	4.7902E+06	4.7903E+06	1.6791E 03	1.5407E 01	5.2081E 04
9.7126E+08	1.8978E-02	5.1178E+06	5.1178E+06	1.6426E 03	1.5408E 01	4.8758E 04
1.1351E+07	1.9734E-02	5.7521E+06	5.7522E+06	1.5797E 03	1.5407E 01	4.3371E 04
1.2989E+07	2.0411E-02	6.3638E+06	6.3639E+06	1.5273E 03	1.5408E 01	3.9194E 04
1.4628E+07	2.1020E-02	6.9591E+06	6.9591E+06	1.4831E 03	1.5411E 01	3.5889E 04
1.6266E+07	2.1586E-02	7.5354E+06	7.5355E+06	1.4442E 03	1.5410E 01	3.3138E 04
1.7905E+07	2.2109E-02	8.0984E+06	8.0986E+06	1.4101E 03	1.5412E 01	3.0845E 04
1.9543E+07	2.2600E-02	8.6473E+06	8.6474E+06	1.3794E 03	1.5410E 01	2.8876E 04
2.1181E+07	2.3058E-02	9.1860E+06	9.1861E+06	1.3520E 03	1.5411E 01	2.7188E 04
2.2820E+07	2.3491E-02	9.7140E+06	9.7142E+06	1.3271E 03	1.5411E 01	2.5713E 04
2.4458E+07	2.3902E-02	1.0233E+05	1.0233E+05	1.3044E 03	1.5412E 01	2.4412E 04
2.6097E+07	2.4292E-02	1.0743E+05	1.0743E+05	1.2834E 03	1.5412E 01	2.3254E 04
2.9373E+07	2.5020E-02	1.1740E+05	1.1740E+05	1.2461E 03	1.5412E 01	2.1822E 04
3.2650E+07	2.5691E-02	1.2709E+05	1.2709E+05	1.2136E 03	1.5412E 01	1.9659E 04
3.5927E+07	2.6312E-02	1.3654E+05	1.3654E+05	1.1849E 03	1.5412E 01	1.8300E 04
3.9204E+07	2.6892E-02	1.4578E+05	1.4578E+05	1.1594E 03	1.5412E 01	1.7140E 04

4.2481E-07	2.7437E-02	1.5483E-05	1.5483E-05	1.1364E-03	1.5413E-01	1.6141E-04
4.9034E-07	2.8441E-02	1.7241E-05	1.7241E-05	1.0963E-03	1.5413E-01	1.4492E-04
5.5588E-07	2.9348E-02	1.8941E-05	1.8941E-05	1.0624E-03	1.5413E-01	1.3149E-04
6.2141E-07	3.0174E-02	2.0594E-05	2.0595E-05	1.0333E-03	1.5413E-01	1.2136E-04
6.8695E-07	3.0940E-02	2.2202E-05	2.2203E-05	1.0078E-03	1.5413E-01	1.1257E-04
7.5249E-07	3.1652E-02	2.3773E-05	2.3774E-05	9.8511E-02	1.5413E-01	1.0515E-04
8.1802E-07	3.2322E-02	2.5308E-05	2.5309E-05	9.6469E-02	1.5413E-01	9.8745E-03
8.8356E-07	3.2950E-02	2.6814E-05	2.6815E-05	9.4632E-02	1.5413E-01	9.3208E-03
9.4909E-07	3.3546E-02	2.8292E-05	2.8293E-05	9.2953E-02	1.5413E-01	8.8334E-03
1.0146E-06	3.4110E-02	2.9745E-05	2.9746E-05	9.1417E-02	1.5413E-01	8.4024E-03
1.0802E-06	3.4648E-02	3.1175E-05	3.1176E-05	8.9999E-02	1.5413E-01	8.0175E-03
1.2112E-06	3.5653E-02	3.3972E-05	3.3973E-05	8.7463E-02	1.5413E-01	7.3544E-03
1.3423E-06	3.6580E-02	3.6694E-05	3.6696E-05	8.5248E-02	1.5413E-01	6.8133E-03
1.4734E-06	3.7443E-02	3.9349E-05	3.9350E-05	8.3284E-02	1.5413E-01	6.3530E-03
1.6045E-06	3.8249E-02	4.1946E-05	4.1948E-05	8.1531E-02	1.5413E-01	5.9602E-03
1.8666E-06	3.9727E-02	4.6284E-05	4.6287E-05	7.8501E-02	1.5413E-01	5.3198E-03
2.1287E-06	4.1051E-02	5.1855E-05	5.1858E-05	7.5973E-02	1.5413E-01	4.8220E-03
2.3909E-06	4.2257E-02	5.6578E-05	5.6581E-05	7.3806E-02	1.5413E-01	4.4209E-03
2.6530E-06	4.3372E-02	6.1168E-05	6.1171E-05	7.1912E-02	1.5413E-01	4.0891E-03
2.9152E-06	4.4409E-02	6.5641E-05	6.5645E-05	7.0233E-02	1.5413E-01	3.8094E-03
3.1773E-06	4.5375E-02	7.0021E-05	7.0025E-05	6.8740E-02	1.5413E-01	3.5714E-03
3.4395E-06	4.6284E-02	7.4310E-05	7.4314E-05	6.7392E-02	1.5413E-01	3.3653E-03
3.7016E-06	4.7141E-02	7.8519E-05	7.8525E-05	6.6169E-02	1.5413E-01	3.1853E-03
3.9637E-06	4.7955E-02	8.2652E-05	8.2658E-05	6.5046E-02	1.5413E-01	3.0259E-03
4.4880E-06	4.9468E-02	9.0724E-05	9.0730E-05	6.3061E-02	1.5413E-01	2.7571E-03
5.0123E-06	5.0855E-02	9.8557E-05	9.8565E-05	6.1343E-02	1.5413E-01	2.5377E-03
5.5366E-06	5.2137E-02	1.0619E-04	1.0620E-04	5.9837E-02	1.5413E-01	2.3593E-03
6.0609E-06	5.3330E-02	1.1364E-04	1.1365E-04	5.8501E-02	1.5413E-01	2.2010E-03
7.1095E-06	5.5496E-02	1.2810E-04	1.2811E-04	5.6223E-02	1.5413E-01	1.9535E-03
8.1581E-06	5.7429E-02	1.4205E-04	1.4206E-04	5.4334E-02	1.5413E-01	1.7630E-03
9.2066E-06	5.9201E-02	1.5551E-04	1.5552E-04	5.2711E-02	1.5413E-01	1.6096E-03
1.0255E-05	6.0821E-02	1.6860E-04	1.6862E-04	5.1310E-02	1.5413E-01	1.4846E-03
1.1304E-05	6.2325E-02	1.8136E-04	1.8138E-04	5.0074E-02	1.5413E-01	1.3798E-03
1.2352E-05	6.3716E-02	1.9385E-04	1.9388E-04	4.8984E-02	1.5413E-01	1.2916E-03
1.3401E-05	6.5032E-02	2.0605E-04	2.0608E-04	4.7995E-02	1.5413E-01	1.2149E-03
1.4450E-05	6.6269E-02	2.1803E-04	2.1806E-04	4.7102E-02	1.5413E-01	1.1442E-03
1.5498E-05	6.7442E-02	2.2978E-04	2.2982E-04	4.6285E-02	1.5409E-01	1.0895E-03
1.6547E-05	6.8555E-02	2.4134E-04	2.4138E-04	4.5535E-02	1.5409E-01	1.0373E-03
1.7595E-05	6.9619E-02	2.5272E-04	2.5276E-04	4.4842E-02	1.5409E-01	9.9043E-02
1.9692E-05	7.1608E-02	2.7498E-04	2.7502E-04	4.3599E-02	1.5409E-01	9.1049E-02
2.1790E-05	7.3447E-02	2.9665E-04	2.9670E-04	4.2512E-02	1.5407E-01	8.4397E-02
2.3887E-05	7.5157E-02	3.1780E-04	3.1785E-04	4.1547E-02	1.5404E-01	7.8778E-02
2.5984E-05	7.6757E-02	3.3849E-04	3.3855E-04	4.0684E-02	1.5404E-01	7.3964E-02
3.0178E-05	7.9686E-02	3.7868E-04	3.7875E-04	3.9195E-02	1.5404E-01	6.6125E-02
3.4372E-05	8.2314E-02	4.1753E-04	4.1762E-04	3.7948E-02	1.5404E-01	6.0007E-02
3.8567E-05	8.4731E-02	4.5512E-04	4.5522E-04	3.6871E-02	1.5404E-01	5.5033E-02
4.2761E-05	8.6950E-02	4.9173E-04	4.9185E-04	3.5934E-02	1.5404E-01	5.0938E-02
4.6955E-05	8.9016E-02	5.2743E-04	5.2755E-04	3.5103E-02	1.5402E-01	4.7484E-02
5.1150E-05	9.0943E-02	5.6237E-04	5.6250E-04	3.4363E-02	1.5401E-01	4.4539E-02
5.5344E-05	9.2759E-02	5.9656E-04	5.9672E-04	3.3694E-02	1.5400E-01	4.1943E-02
6.3733E-05	9.6092E-02	6.6315E-04	6.6334E-04	3.2532E-02	1.5400E-01	3.7790E-02
7.2121E-05	9.9121E-02	7.2750E-04	7.2771E-04	3.1543E-02	1.5399E-01	3.4434E-02
8.0510E-05	1.0189E-01	7.9001E-04	7.9025E-04	3.0690E-02	1.5399E-01	3.1710E-02
8.8898E-05	1.0445E-01	8.5093E-04	8.5121E-04	2.9942E-02	1.5399E-01	2.9445E-02
9.7287E-05	1.0684E-01	9.1044E-04	9.1075E-04	2.9279E-02	1.5399E-01	2.7526E-02
1.0568E-04	1.0908E-01	9.6865E-04	9.6899E-04	2.8683E-02	1.5394E-01	2.5875E-02
1.2245E-04	1.1318E-01	1.0817E-03	1.0821E-03	2.7650E-02	1.5392E-01	2.3174E-02
1.3923E-04	1.1687E-01	1.1911E-03	1.1916E-03	2.6785E-02	1.5391E-01	2.1041E-02
1.5601E-04	1.2026E-01	1.2969E-03	1.2975E-03	2.6035E-02	1.5390E-01	1.9337E-02
1.7278E-04	1.2338E-01	1.4001E-03	1.4007E-03	2.5383E-02	1.5388E-01	1.7916E-02
1.8956E-04	1.2629E-01	1.5006E-03	1.5013E-03	2.4803E-02	1.5384E-01	1.6714E-02
2.2312E-04	1.3155E-01	1.6956E-03	1.6965E-03	2.3823E-02	1.5380E-01	1.4803E-02

2.5667E-04	1.3627E-01	1.8830E-03	1.8840E-03	2.3005E-02	1.5381E-01	1.3327E-02
2.9022E-04	1.4055E-01	2.0643E-03	2.0655E-03	2.2313E-02	1.5178E-01	1.2156E-02
3.2378E-04	1.4447E-01	2.2405E-03	2.2419E-03	2.1716E-02	1.5175E-01	1.1202E-02
3.5733E-04	1.4808E-01	2.4124E-03	2.4140E-03	2.1194E-02	1.5175E-01	1.0410E-02
3.9089E-04	1.5145E-01	2.5800E-03	2.5818E-03	2.0727E-02	1.5171E-01	9.7348E-01
4.2444E-04	1.5461E-01	2.7442E-03	2.7461E-03	2.0310E-02	1.5170E-01	9.1557E-01
4.5800E-04	1.5761E-01	2.9049E-03	2.9070E-03	1.9930E-02	1.5169E-01	8.6496E-01
5.2511E-04	1.6311E-01	3.2182E-03	3.2207E-03	1.9268E-02	1.5167E-01	7.8126E-01
5.9221E-04	1.6811E-01	3.5213E-03	3.5243E-03	1.8704E-02	1.5164E-01	7.1431E-01
6.5932E-04	1.7272E-01	3.8156E-03	3.8189E-03	1.8213E-02	1.5160E-01	6.5926E-01
7.2643E-04	1.7699E-01	4.1026E-03	4.1063E-03	1.7783E-02	1.5158E-01	6.1334E-01
7.9354E-04	1.8097E-01	4.3828E-03	4.3870E-03	1.7399E-02	1.5155E-01	5.7424E-01
8.6065E-04	1.8470E-01	4.6573E-03	4.6620E-03	1.7054E-02	1.5151E-01	5.4060E-01
9.2776E-04	1.8823E-01	4.9262E-03	4.9313E-03	1.6741E-02	1.5150E-01	5.1118E-01
1.0620E-03	1.9475E-01	5.4501E-03	5.4562E-03	1.6194E-02	1.5144E-01	4.6233E-01
1.1962E-03	2.0069E-01	5.9570E-03	5.9640E-03	1.5725E-02	1.5141E-01	4.2311E-01
1.3304E-03	2.0615E-01	6.4497E-03	6.4577E-03	1.5319E-02	1.5136E-01	3.9093E-01
1.4646E-03	2.1121E-01	6.9301E-03	6.9391E-03	1.4962E-02	1.5133E-01	3.6400E-01
1.5988E-03	2.1593E-01	7.3995E-03	7.4095E-03	1.4644E-02	1.5129E-01	3.4187E-01
1.7331E-03	2.2037E-01	7.8588E-03	7.8699E-03	1.4357E-02	1.5125E-01	3.2126E-01
2.0015E-03	2.2853E-01	8.7515E-03	8.7647E-03	1.3860E-02	1.5110E-01	2.8873E-01
2.2699E-03	2.3591E-01	9.6144E-03	9.6299E-03	1.3440E-02	1.5114E-01	2.6386E-01
2.5384E-03	2.4268E-01	1.0451E-02	1.0469E-02	1.3078E-02	1.5108E-01	2.4214E-01
2.8068E-03	2.4894E-01	1.1265E-02	1.1285E-02	1.2761E-02	1.5102E-01	2.2476E-01
3.0752E-03	2.5477E-01	1.2059E-02	1.2082E-02	1.2480E-02	1.5094E-01	2.1087E-01
3.3437E-03	2.6024E-01	1.2836E-02	1.2861E-02	1.2228E-02	1.5091E-01	1.9747E-01
3.6121E-03	2.6539E-01	1.3597E-02	1.3625E-02	1.2001E-02	1.5088E-01	1.8651E-01
4.1490E-03	2.7489E-01	1.5077E-02	1.5109E-02	1.1604E-02	1.5077E-01	1.6837E-01
4.6859E-03	2.8355E-01	1.6507E-02	1.6545E-02	1.1266E-02	1.5068E-01	1.5388E-01
5.2227E-03	2.9149E-01	1.7895E-02	1.7939E-02	1.0974E-02	1.5058E-01	1.4204E-01
5.7596E-03	2.9885E-01	1.9248E-02	1.9297E-02	1.0718E-02	1.5050E-01	1.3218E-01
6.2965E-03	3.0571E-01	2.0569E-02	2.0624E-02	1.0490E-02	1.5041E-01	1.2340E-01
6.8333E-03	3.1216E-01	2.1860E-02	2.1920E-02	1.0285E-02	1.5033E-01	1.1657E-01
7.3702E-03	3.1825E-01	2.3126E-02	2.3192E-02	1.0100E-02	1.5024E-01	1.1027E-01
8.4440E-03	3.2951E-01	2.5587E-02	2.5665E-02	9.7759E-01	1.5015E-01	9.9795E-00
9.5177E-03	3.3973E-01	2.7970E-02	2.8060E-02	9.5010E-01	1.5004E-01	9.1443E-00
1.0591E-02	3.4919E-01	3.0280E-02	3.0383E-02	9.2615E-01	1.5000E-01	8.4554E-00
1.1665E-02	3.5795E-01	3.2531E-02	3.2647E-02	9.0513E-01	1.5000E-01	7.8798E-00
1.2739E-02	3.6615E-01	3.4727E-02	3.4856E-02	8.8639E-01	1.5000E-01	7.3889E-00
1.3813E-02	3.7385E-01	3.6876E-02	3.7018E-02	8.6959E-01	1.5000E-01	6.9661E-00
1.4886E-02	3.8113E-01	3.8981E-02	3.9136E-02	8.5434E-01	1.5000E-01	6.5965E-00
1.7034E-02	3.9460E-01	4.3076E-02	4.3259E-02	8.2769E-01	1.5000E-01	5.9819E-00
1.9181E-02	4.0691E-01	4.7034E-02	4.7244E-02	8.0495E-01	1.5000E-01	5.4880E-00
2.1329E-02	4.1826E-01	5.0875E-02	5.1114E-02	7.8523E-01	1.5000E-01	5.0822E-00
2.3476E-02	4.2879E-01	5.4616E-02	5.4885E-02	7.6791E-01	1.5000E-01	4.7423E-00
2.7771E-02	4.4787E-01	6.1843E-02	6.2172E-02	7.3873E-01	1.5000E-01	4.2035E-00
3.2066E-02	4.6489E-01	6.8782E-02	6.9172E-02	7.1484E-01	1.5000E-01	3.7935E-00
3.6361E-02	4.8052E-01	7.5444E-02	7.5897E-02	6.9447E-01	1.5000E-01	3.4693E-00
4.0656E-02	4.9482E-01	8.1906E-02	8.2423E-02	6.7705E-01	1.4984E-01	3.1997E-00
4.4951E-02	5.0811E-01	8.8177E-02	8.8759E-02	6.6180E-01	1.4961E-01	2.9783E-00
4.9246E-02	5.2040E-01	9.4306E-02	9.4955E-02	6.4844E-01	1.4941E-01	2.7926E-00
5.3541E-02	5.3208E-01	1.0027E-01	1.0098E-01	6.3637E-01	1.4922E-01	2.6314E-00
5.7836E-02	5.4305E-01	1.0611E-01	1.0689E-01	6.2553E-01	1.4901E-01	2.4919E-00
6.2131E-02	5.5349E-01	1.1183E-01	1.1268E-01	6.1566E-01	1.4884E-01	2.3691E-00
6.6426E-02	5.6342E-01	1.1744E-01	1.1836E-01	6.0664E-01	1.4867E-01	2.2683E-00
7.0721E-02	5.7292E-01	1.2294E-01	1.2394E-01	5.9833E-01	1.4850E-01	2.1629E-00
7.9311E-02	5.9075E-01	1.3369E-01	1.3482E-01	5.8353E-01	1.4817E-01	1.9962E-00
8.7901E-02	6.0729E-01	1.4410E-01	1.4538E-01	5.7066E-01	1.4788E-01	1.8580E-00
9.6491E-02	6.2275E-01	1.5423E-01	1.5565E-01	5.5931E-01	1.4758E-01	1.7414E-00
1.0508E-01	6.3726E-01	1.6411E-01	1.6568E-01	5.4921E-01	1.4729E-01	1.6415E-00
1.2226E-01	6.6399E-01	1.8320E-01	1.8506E-01	5.3192E-01	1.4677E-01	1.4790E-00
1.3944E-01	6.8816E-01	2.0154E-01	2.0371E-01	5.1758E-01	1.4638E-01	1.3521E-00

1.5662E-01	7.1054E-01	2.1919E-01	2.2166E-01	5.0529E-01	1.4383E-01	1.2490E-00
1.7380E-01	7.3124E-01	2.3629E-01	2.3907E-01	4.9469E-01	1.4340E-01	1.1640E-00
2.0816E-01	7.6911E-01	2.6895E-01	2.7235E-01	4.7699E-01	1.4456E-01	1.0302E-00
2.4252E-01	8.0265E-01	3.0014E-01	3.0416E-01	4.6295E-01	1.4384E-01	9.3095E-01
2.7688E-01	8.3317E-01	3.3000E-01	3.3464E-01	4.5134E-01	1.4321E-01	8.5378E-01
3.1124E-01	8.6138E-01	3.5869E-01	3.6396E-01	4.4148E-01	1.4258E-01	7.9040E-01
3.4560E-01	8.8765E-01	3.8640E-01	3.9229E-01	4.3298E-01	1.4200E-01	7.3841E-01
3.7996E-01	9.1220E-01	4.1327E-01	4.1979E-01	4.2558E-01	1.4145E-01	6.9474E-01
4.1432E-01	9.3543E-01	4.3935E-01	4.4649E-01	4.1901E-01	1.4092E-01	6.5777E-01
4.4868E-01	9.5743E-01	4.6474E-01	4.7251E-01	4.1316E-01	1.4042E-01	6.2481E-01
4.8304E-01	9.7842E-01	4.8950E-01	4.9789E-01	4.0789E-01	1.3994E-01	5.9633E-01
5.1740E-01	9.9846E-01	5.1369E-01	5.2270E-01	4.0311E-01	1.3948E-01	5.7114E-01
5.8612E-01	1.0362E-00	5.6051E-01	5.7074E-01	3.9476E-01	1.3860E-01	5.2841E-01
6.5484E-01	1.0714E-00	6.0550E-01	6.1694E-01	3.8767E-01	1.3778E-01	4.9349E-01
7.2356E-01	1.1041E-00	6.4899E-01	6.6163E-01	3.8159E-01	1.3703E-01	4.6443E-01
7.9228E-01	1.1352E-00	6.9101E-01	7.0484E-01	3.7626E-01	1.3630E-01	4.3965E-01
9.2971E-01	1.1925E-00	7.7156E-01	7.8773E-01	3.6740E-01	1.3498E-01	3.9981E-01
1.0672E-00	1.2450E-00	8.4794E-01	8.6638E-01	3.6027E-01	1.3377E-01	3.6883E-01
1.2046E-00	1.2940E-00	9.2056E-01	9.4122E-01	3.5432E-01	1.3261E-01	3.4379E-01
1.3420E-00	1.3398E-00	9.9022E-01	1.0130E-00	3.4933E-01	1.3155E-01	3.2321E-01
1.4795E-00	1.3831E-00	1.0572E-00	1.0822E-00	3.4506E-01	1.3054E-01	3.0591E-01
1.6169E-00	1.4240E-00	1.1220E-00	1.1490E-00	3.4136E-01	1.2961E-01	2.9116E-01
1.7543E-00	1.4631E-00	1.1845E-00	1.2135E-00	3.3812E-01	1.2871E-01	2.7834E-01
1.8918E-00	1.5006E-00	1.2452E-00	1.2762E-00	3.3525E-01	1.2787E-01	2.6712E-01
2.0292E-00	1.5366E-00	1.3041E-00	1.3370E-00	3.3270E-01	1.2705E-01	2.5717E-01
2.3041E-00	1.6049E-00	1.4174E-00	1.4540E-00	3.2835E-01	1.2554E-01	2.4031E-01
2.5790E-00	1.6690E-00	1.5251E-00	1.5653E-00	3.2477E-01	1.2413E-01	2.2648E-01
3.1287E-00	1.7876E-00	1.7268E-00	1.7738E-00	3.1922E-01	1.2150E-01	2.0496E-01
3.6785E-00	1.8960E-00	1.9135E-00	1.9667E-00	3.1512E-01	1.1933E-01	1.8884E-01
4.2282E-00	1.9959E-00	2.0890E-00	2.1480E-00	3.1200E-01	1.1735E-01	1.7630E-01
4.7780E-00	2.0898E-00	2.2541E-00	2.3186E-00	3.0952E-01	1.1553E-01	1.6689E-01
5.3278E-00	2.1787E-00	2.4106E-00	2.4803E-00	3.0751E-01	1.1388E-01	1.5757E-01
5.8775E-00	2.2633E-00	2.5595E-00	2.6341E-00	3.0585E-01	1.1231E-01	1.5033E-01
6.4273E-00	2.3442E-00	2.7021E-00	2.7814E-00	3.0444E-01	1.1088E-01	1.4407E-01
6.9770E-00	2.4219E-00	2.8389E-00	2.9227E-00	3.0325E-01	1.0954E-01	1.3858E-01
8.0765E-00	2.5688E-00	3.0980E-00	3.1901E-00	3.0131E-01	1.0711E-01	1.2937E-01
9.1761E-00	2.7066E-00	3.3403E-00	3.4403E-00	2.9980E-01	1.0495E-01	1.2188E-01
1.0276E-01	2.8371E-00	3.5682E-00	3.6754E-00	2.9857E-01	1.0298E-01	1.1560E-01
1.1375E-01	2.9613E-00	3.7843E-00	3.8983E-00	2.9754E-01	1.0120E-01	1.1023E-01
1.2475E-01	3.0799E-00	3.9901E-00	4.1106E-00	2.9666E-01	9.9572E-02	1.0558E-01
1.3574E-01	3.1936E-00	4.1871E-00	4.3138E-00	2.9589E-01	9.8873E-02	1.0148E-01
1.5773E-01	3.4090E-00	4.5579E-00	4.6961E-00	2.9459E-01	9.5388E-02	9.4550E-02
1.7972E-01	3.6105E-00	4.9033E-00	5.0522E-00	2.9350E-01	9.3849E-02	8.8880E-02
2.0171E-01	3.8003E-00	5.2283E-00	5.3872E-00	2.9256E-01	9.0988E-02	8.4123E-02
2.2370E-01	3.9807E-00	5.5355E-00	5.7030E-00	2.9173E-01	8.9140E-02	8.0044E-02
2.4569E-01	4.1527E-00	5.8277E-00	6.0050E-00	2.9096E-01	8.7474E-02	7.6495E-02
2.6768E-01	4.3179E-00	6.1071E-00	6.2929E-00	2.9026E-01	8.5958E-02	7.3369E-02
2.8967E-01	4.4756E-00	6.3752E-00	6.5692E-00	2.8961E-01	8.4573E-02	7.0588E-02
3.3365E-01	4.7753E-00	6.8822E-00	7.0918E-00	2.8841E-01	8.2116E-02	6.5832E-02
3.7763E-01	5.0559E-00	7.3572E-00	7.5812E-00	2.8734E-01	7.9998E-02	6.1897E-02
4.2161E-01	5.3205E-00	7.8055E-00	8.0432E-00	2.8635E-01	7.8142E-02	5.8567E-02
4.6559E-01	5.5716E-00	8.2312E-00	8.4819E-00	2.8544E-01	7.6494E-02	5.5700E-02
5.5356E-01	6.0428E-00	9.0232E-00	9.2980E-00	2.8378E-01	7.3448E-02	5.0966E-02
6.4152E-01	6.4722E-00	9.7632E-00	1.0060E-01	2.8234E-01	7.1344E-02	4.7252E-02

A = 10.0000E-04

B = 3.0000E-03

EPS = 1.7700E-04

GAM = 10.0000E-03

X	Y	NUC	NUW	ETAMO	MURATIO	DY/DX
0.	4.0000E-03	0.	0.	8.3334E 05	0.	5.1673E 06
10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	4.7442E 05	2.3554E 00	5.2596E 06
2.0000E-12	4.0105E-03	4.9869E-10	4.9869E-10	5.3025E 05	2.7422E 00	5.0709E 06
3.0000E-12	4.0154E-03	7.4711E-10	7.4711E-10	5.5823E 05	3.0530E 00	5.1458E 06
4.0000E-12	4.0206E-03	9.9487E-10	9.9487E-10	5.7603E 05	3.2764E 00	5.2510E 06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	5.9821E 05	3.6163E 00	5.1792E 06
8.0000E-12	4.0417E-03	1.9794E-09	1.9794E-09	6.1197E 05	3.8761E 00	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	6.2147E 05	4.0481E 00	4.9653E 06
1.4000E-11	4.0711E-03	3.4389E-09	3.4389E-09	6.3379E 05	4.4259E 00	4.7986E 06
2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	6.4564E 05	4.9074E 00	4.7883E 06
3.0000E-11	4.1486E-03	7.2314E-09	7.2314E-09	6.5060E 05	5.2554E 00	4.5731E 06
3.8000E-11	4.1867E-03	9.0763E-09	9.0763E-09	6.5204E 05	5.5244E 00	4.4351E 06
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	6.5214E 05	5.7461E 00	4.3283E 06
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	6.5102E 05	5.9117E 00	4.2018E 06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	6.4924E 05	6.0011E 00	4.2010E 06
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	6.4712E 05	6.2107E 00	3.9503E 06
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	6.4153E 05	6.4594E 00	3.7471E 06
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-08	6.3628E 05	6.6507E 00	3.6882E 06
1.1800E-10	4.5098E-03	2.6165E-08	2.6165E-08	6.3057E 05	6.8074E 00	3.4501E 06
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-08	6.2425E 05	6.9352E 00	3.3607E 06
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	6.1891E 05	7.0524E 00	3.3017E 06
1.6600E-10	4.6752E-03	3.5506E-08	3.5506E-08	6.1329E 05	7.1514E 00	3.1505E 06
1.8200E-10	4.7278E-03	3.8496E-08	3.8496E-08	6.0763E 05	7.2364E 00	3.1024E 06
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-08	6.0249E 05	7.3154E 00	2.9943E 06
2.1400E-10	4.8257E-03	4.4346E-08	4.4346E-08	5.9720E 05	7.3830E 00	2.8467E 06
2.3000E-10	4.8723E-03	4.7206E-08	4.7206E-08	5.9226E 05	7.4454E 00	2.8071E 06
2.4600E-10	4.9165E-03	5.0035E-08	5.0035E-08	5.8764E 05	7.5039E 00	2.7192E 06
2.6200E-10	4.9611E-03	5.2811E-08	5.2811E-08	5.8295E 05	7.5541E 00	2.6614E 06
2.7800E-10	5.0036E-03	5.5560E-08	5.5560E-08	5.7856E 05	7.6014E 00	2.6123E 06
2.9400E-10	5.0459E-03	5.8265E-08	5.8265E-08	5.7419E 05	7.6442E 00	2.5540E 06
3.1000E-10	5.0874E-03	6.0935E-08	6.0935E-08	5.6994E 05	7.6830E 00	2.4836E 06
3.2600E-10	5.1277E-03	6.3576E-08	6.3576E-08	5.6585E 05	7.7191E 00	2.3561E 06
3.5800E-10	5.2044E-03	6.8788E-08	6.8788E-08	5.5823E 05	7.7455E 00	2.1933E 06
4.2200E-10	5.3471E-03	7.8921E-08	7.8921E-08	5.4444E 05	7.8354E 00	2.0214E 06
4.8600E-10	5.4869E-03	8.8575E-08	8.8575E-08	5.3130E 05	7.9711E 00	1.8917E 06
5.5000E-10	5.6105E-03	9.8030E-08	9.8030E-08	5.2024E 05	8.0404E 00	1.7736E 06
6.1400E-10	5.7286E-03	1.0718E-07	1.0718E-07	5.1000E 05	8.0944E 00	1.6707E 06
6.7800E-10	5.8386E-03	1.1612E-07	1.1612E-07	5.0079E 05	8.1412E 00	1.6054E 06
7.4200E-10	5.9427E-03	1.2486E-07	1.2486E-07	4.9235E 05	8.1809E 00	1.5116E 06
8.0600E-10	6.0453E-03	1.3333E-07	1.3333E-07	4.8424E 05	8.2101E 00	1.4441E 06
8.7000E-10	6.1383E-03	1.4173E-07	1.4173E-07	4.7716E 05	8.2417E 00	1.3916E 06
9.3400E-10	6.2293E-03	1.4994E-07	1.4994E-07	4.7039E 05	8.2646E 00	1.3205E 06
9.9800E-10	6.3168E-03	1.5799E-07	1.5799E-07	4.6404E 05	8.2884E 00	1.2741E 06
1.0620E-09	6.3972E-03	1.6601E-07	1.6601E-07	4.5838E 05	8.3124E 00	1.2256E 06
1.1260E-09	6.4779E-03	1.7382E-07	1.7382E-07	4.5280E 05	8.3294E 00	1.1798E 06
1.1900E-09	6.5548E-03	1.8155E-07	1.8155E-07	4.4762E 05	8.3467E 00	1.1473E 06
1.2540E-09	6.6289E-03	1.8917E-07	1.8917E-07	4.4272E 05	8.3629E 00	1.1066E 06
1.3180E-09	6.7019E-03	1.9666E-07	1.9666E-07	4.3799E 05	8.3747E 00	1.0759E 06
1.3820E-09	6.7712E-03	2.0410E-07	2.0410E-07	4.3360E 05	8.3874E 00	1.0449E 06
1.4460E-09	6.8393E-03	2.1142E-07	2.1142E-07	4.2936E 05	8.3984E 00	9.8184E 05
1.5740E-09	6.9690E-03	2.2586E-07	2.2586E-07	4.2150E 05	8.4191E 00	8.9242E 05
1.8300E-09	7.2039E-03	2.5403E-07	2.5403E-07	4.0801E 05	8.4574E 00	8.1298E 05
2.0860E-09	7.4322E-03	2.8067E-07	2.8067E-07	3.9556E 05	8.4704E 00	7.5277E 05
2.3420E-09	7.6312E-03	3.0690E-07	3.0690E-07	3.8537E 05	8.4914E 00	6.9784E 05
2.5980E-09	7.8192E-03	3.3226E-07	3.3226E-07	3.7619E 05	8.5052E 00	6.5217E 05
2.8540E-09	7.9913E-03	3.5714E-07	3.5714E-07	3.6817E 05	8.5194E 00	6.1418E 05
3.1100E-09	8.1538E-03	3.8142E-07	3.8142E-07	3.6090E 05	8.5311E 00	

3.3660E-09	8.3068E-03	4.0521E-07	4.0521E-07	3.5430E 05	8.5414E 00	5.8168E 05
3.6220E-09	8.4519E-03	4.2854E-07	4.2854E-07	3.4827E 05	8.5508E 00	5.5163E 05
3.8780E-09	8.5892E-03	4.5150E-07	4.5150E-07	3.4275E 05	8.5584E 00	5.2620E 05
4.1340E-09	8.7213E-03	4.7401E-07	4.7401E-07	3.3759E 05	8.5644E 00	5.0219E 05
4.3900E-09	8.8470E-03	4.9622E-07	4.9622E-07	3.3282E 05	8.5704E 00	4.8112E 05
4.6460E-09	8.9679E-03	5.1807E-07	5.1807E-07	3.2836E 05	8.5754E 00	4.6227E 05
4.9020E-09	9.0840E-03	5.3963E-07	5.3963E-07	3.2419E 05	8.5804E 00	4.4419E 05
5.1580E-09	9.1953E-03	5.6094E-07	5.6094E-07	3.2029E 05	8.5854E 00	4.2926E 05
5.4140E-09	9.3038E-03	5.8191E-07	5.8191E-07	3.1657E 05	8.5884E 00	4.1391E 05
5.6700E-09	9.4078E-03	6.0269E-07	6.0269E-07	3.1309E 05	8.5928E 00	3.9984E 05
5.9260E-09	9.5084E-03	6.2324E-07	6.2324E-07	3.0979E 05	8.5954E 00	3.8783E 05
6.1820E-09	9.6065E-03	6.4352E-07	6.4352E-07	3.0664E 05	8.5984E 00	3.7596E 05
6.6940E-09	9.7931E-03	6.8355E-07	6.8355E-07	3.0083E 05	8.6030E 00	3.5460E 05
7.2060E-09	9.9700E-03	7.2277E-07	7.2277E-07	2.9551E 05	8.6084E 00	3.3617E 05
7.7180E-09	1.0138E-02	7.6129E-07	7.6129E-07	2.9063E 05	8.6124E 00	3.1996E 05
8.2300E-09	1.0298E-02	7.9918E-07	7.9918E-07	2.8612E 05	8.6158E 00	3.0509E 05
8.7420E-09	1.0451E-02	8.3651E-07	8.3651E-07	2.8196E 05	8.6188E 00	2.9200E 05
9.2540E-09	1.0597E-02	8.7325E-07	8.7325E-07	2.7807E 05	8.6214E 00	2.8017E 05
9.7660E-09	1.0738E-02	9.0950E-07	9.0950E-07	2.7444E 05	8.6238E 00	2.6925E 05
1.0278E-08	1.0873E-02	9.4528E-07	9.4528E-07	2.7104E 05	8.6264E 00	2.5934E 05
1.0790E-08	1.1004E-02	9.8059E-07	9.8059E-07	2.6783E 05	8.6279E 00	2.5013E 05
1.1302E-08	1.1129E-02	1.0155E-06	1.0155E-06	2.6481E 05	8.6298E 00	2.4180E 05
1.1814E-08	1.1251E-02	1.0500E-06	1.0500E-06	2.6195E 05	8.6314E 00	2.3397E 05
1.2326E-08	1.1369E-02	1.0842E-06	1.0842E-06	2.5924E 05	8.6331E 00	2.2682E 05
1.2838E-08	1.1484E-02	1.1179E-06	1.1179E-06	2.5666E 05	8.6344E 00	2.2009E 05
1.3350E-08	1.1595E-02	1.1514E-06	1.1514E-06	2.5421E 05	8.6358E 00	2.1380E 05
1.4374E-08	1.1808E-02	1.2173E-06	1.2173E-06	2.4963E 05	8.6384E 00	2.0245E 05
1.6422E-08	1.2203E-02	1.3458E-06	1.3458E-06	2.4156E 05	8.6414E 00	1.8346E 05
1.8470E-08	1.2562E-02	1.4703E-06	1.4703E-06	2.3467E 05	8.6448E 00	1.6810E 05
2.0518E-08	1.2892E-02	1.5915E-06	1.5915E-06	2.2867E 05	8.6478E 00	1.5556E 05
2.2566E-08	1.3192E-02	1.7096E-06	1.7096E-06	2.2335E 05	8.6498E 00	1.4494E 05
2.4614E-08	1.3486E-02	1.8251E-06	1.8251E-06	2.1861E 05	8.6518E 00	1.3584E 05
2.6662E-08	1.3756E-02	1.9382E-06	1.9382E-06	2.1433E 05	8.6538E 00	1.2802E 05
2.8710E-08	1.4011E-02	2.0491E-06	2.0491E-06	2.1043E 05	8.6548E 00	1.2119E 05
3.0758E-08	1.4253E-02	2.1580E-06	2.1580E-06	2.0686E 05	8.6558E 00	1.1508E 05
3.2806E-08	1.4483E-02	2.2651E-06	2.2651E-06	2.0358E 05	8.6568E 00	1.0971E 05
3.4854E-08	1.4703E-02	2.3705E-06	2.3705E-06	2.0053E 05	8.6568E 00	1.0484E 05
3.6902E-08	1.4913E-02	2.4745E-06	2.4745E-06	1.9772E 05	8.6574E 00	1.0048E 05
4.0998E-08	1.5309E-02	2.6780E-06	2.6780E-06	1.9260E 05	8.6584E 00	9.2895E 04
4.5094E-08	1.5676E-02	2.8765E-06	2.8765E-06	1.8809E 05	8.6598E 00	8.6511E 04
4.9190E-08	1.6019E-02	3.0707E-06	3.0707E-06	1.8407E 05	8.6608E 00	8.1088E 04
5.3286E-08	1.6341E-02	3.2608E-06	3.2608E-06	1.8044E 05	8.6608E 00	7.6377E 04
5.7382E-08	1.6646E-02	3.4473E-06	3.4473E-06	1.7715E 05	8.6612E 00	7.2255E 04
6.5574E-08	1.7207E-02	3.8108E-06	3.8108E-06	1.7137E 05	8.6628E 00	6.5417E 04
7.3766E-08	1.7721E-02	4.1626E-06	4.1626E-06	1.6640E 05	8.6628E 00	5.9891E 04
8.1958E-08	1.8193E-02	4.5050E-06	4.5050E-06	1.6209E 05	8.6638E 00	5.5390E 04
9.0150E-08	1.8631E-02	4.8388E-06	4.8388E-06	1.5828E 05	8.6637E 00	5.1540E 04
9.8342E-08	1.9038E-02	5.1656E-06	5.1656E-06	1.5490E 05	8.6647E 00	4.8302E 04
1.0653E-07	1.9422E-02	5.4852E-06	5.4852E-06	1.5184E 05	8.6640E 00	4.5493E 04
1.1473E-07	1.9784E-02	5.7988E-06	5.7988E-06	1.4906E 05	8.6659E 00	4.3041E 04
1.2292E-07	2.0128E-02	6.1067E-06	6.1067E-06	1.4651E 05	8.6654E 00	4.0870E 04
1.3930E-07	2.0766E-02	6.7082E-06	6.7082E-06	1.4202E 05	8.6664E 00	3.7221E 04
1.5569E-07	2.1350E-02	7.2919E-06	7.2919E-06	1.3813E 05	8.6665E 00	3.4247E 04
1.7207E-07	2.1891E-02	7.8603E-06	7.8603E-06	1.3472E 05	8.6666E 00	3.1772E 04
1.8845E-07	2.2394E-02	8.4153E-06	8.4153E-06	1.3170E 05	8.6667E 00	2.9680E 04
2.0484E-07	2.2865E-02	8.9586E-06	8.9586E-06	1.2899E 05	8.6678E 00	2.7883E 04
2.2122E-07	2.3309E-02	9.4910E-06	9.4910E-06	1.2653E 05	8.6679E 00	2.6323E 04
2.5399E-07	2.4127E-02	1.0527E-05	1.0527E-05	1.2224E 05	8.6674E 00	2.3733E 04
2.8676E-07	2.4869E-02	1.1531E-05	1.1531E-05	1.1859E 05	8.6674E 00	2.1672E 04
3.1953E-07	2.5551E-02	1.2506E-05	1.2506E-05	1.1543E 05	8.6678E 00	1.9985E 04
3.5229E-07	2.6182E-02	1.3456E-05	1.3456E-05	1.1265E 05	8.6688E 00	1.8575E 04
3.8506E-07	2.6771E-02	1.4384E-05	1.4384E-05	1.1017E 05	8.6679E 00	1.7375E 04

4.5060E-07	2.7841E-02	1.6185E-05	1.6185E-05	1.0594E 05	8.6685E 00	1.5448E 04
5.1613E-07	2.8798E-02	1.7923E-05	1.7923E-05	1.0243E 05	8.6690E 00	1.3960E 04
5.8167E-07	2.9675E-02	1.9601E-05	1.9601E-05	9.9400E 04	8.6690E 00	1.2759E 04
6.4724E-07	3.0478E-02	2.1235E-05	2.1235E-05	9.6783E 04	8.6680E 00	1.1777E 04
7.1274E-07	3.1223E-02	2.2827E-05	2.2827E-05	9.4472E 04	8.6684E 00	1.0953E 04
7.7828E-07	3.1914E-02	2.4386E-05	2.4386E-05	9.2429E 04	8.6694E 00	1.0258E 04
8.4381E-07	3.2568E-02	2.5910E-05	2.5910E-05	9.0576E 04	8.6680E 00	9.6529E 03
9.0935E-07	3.3182E-02	2.7405E-05	2.7405E-05	8.8901E 04	8.6690E 00	9.1268E 03
9.7489E-07	3.3765E-02	2.8873E-05	2.8873E-05	8.7367E 04	8.6680E 00	8.6628E 03
1.0404E-06	3.4318E-02	3.0317E-05	3.0317E-05	8.5959E 04	8.6680E 00	8.2504E 03
1.1060E-06	3.4847E-02	3.1738E-05	3.1738E-05	8.4656E 04	8.6680E 00	7.8808E 03
1.2370E-06	3.5837E-02	3.4518E-05	3.4518E-05	8.2319E 04	8.6687E 00	7.2461E 03
1.3681E-06	3.6752E-02	3.7226E-05	3.7226E-05	8.0272E 04	8.6684E 00	6.7186E 03
1.4992E-06	3.7602E-02	3.9869E-05	3.9870E-05	7.8458E 04	8.6684E 00	6.2732E 03
1.6302E-06	3.8399E-02	4.2456E-05	4.2456E-05	7.6831E 04	8.6684E 00	5.8909E 03
1.7613E-06	3.9148E-02	4.4991E-05	4.4991E-05	7.5362E 04	8.6684E 00	5.5593E 03
2.0235E-06	4.0532E-02	4.9922E-05	4.9922E-05	7.2791E 04	8.6670E 00	5.0094E 03
2.2856E-06	4.1788E-02	5.4695E-05	5.4695E-05	7.0605E 04	8.6674E 00	4.5716E 03
2.5477E-06	4.2935E-02	5.9340E-05	5.9340E-05	6.8722E 04	8.6670E 00	4.2151E 03
2.8099E-06	4.4001E-02	6.3860E-05	6.3860E-05	6.7060E 04	8.6674E 00	3.9145E 03
3.0720E-06	4.4992E-02	6.8279E-05	6.8279E-05	6.5584E 04	8.6677E 00	3.6634E 03
3.3342E-06	4.5926E-02	7.2599E-05	7.2599E-05	6.4251E 04	8.6671E 00	3.4447E 03
3.5963E-06	4.6803E-02	7.6839E-05	7.6839E-05	6.3049E 04	8.6672E 00	3.2548E 03
3.8585E-06	4.7635E-02	8.1001E-05	8.1001E-05	6.1949E 04	8.6660E 00	3.0874E 03
4.3828E-06	4.9175E-02	8.9127E-05	8.9127E-05	6.0013E 04	8.6674E 00	2.8067E 03
4.9070E-06	5.0582E-02	9.7011E-05	9.7011E-05	5.8346E 04	8.6675E 00	2.5791E 03
5.4313E-06	5.1886E-02	1.0468E-04	1.0468E-04	5.6881E 04	8.6660E 00	2.3896E 03
5.9556E-06	5.3096E-02	1.1217E-04	1.1217E-04	5.5588E 04	8.6660E 00	2.2303E 03
6.4799E-06	5.4229E-02	1.1949E-04	1.1949E-04	5.4429E 04	8.6660E 00	2.0935E 03
7.0042E-06	5.5293E-02	1.2668E-04	1.2668E-04	5.3384E 04	8.6660E 00	1.9751E 03
7.5285E-06	5.6301E-02	1.3372E-04	1.3372E-04	5.2429E 04	8.6665E 00	1.8710E 03
8.5771E-06	5.8165E-02	1.4746E-04	1.4746E-04	5.0753E 04	8.6667E 00	1.6971E 03
9.6256E-06	5.9868E-02	1.6078E-04	1.6078E-04	4.9312E 04	8.6660E 00	1.5566E 03
1.0674E-05	6.1440E-02	1.7373E-04	1.7373E-04	4.8054E 04	8.6661E 00	1.4403E 03
1.1723E-05	6.2897E-02	1.8638E-04	1.8638E-04	4.6943E 04	8.6660E 00	1.3427E 03
1.2771E-05	6.4261E-02	1.9874E-04	1.9874E-04	4.5949E 04	8.6657E 00	1.2592E 03
1.3820E-05	6.5541E-02	2.1086E-04	2.1086E-04	4.5054E 04	8.6657E 00	1.1849E 03
1.4869E-05	6.6752E-02	2.2274E-04	2.2274E-04	4.4239E 04	8.6654E 00	1.1236E 03
1.6966E-05	6.8992E-02	2.4591E-04	2.4591E-04	4.2807E 04	8.6654E 00	1.0179E 03
1.9063E-05	7.1037E-02	2.6835E-04	2.6835E-04	4.1578E 04	8.6644E 00	9.3246E 02
2.1160E-05	7.2917E-02	2.9019E-04	2.9019E-04	4.0509E 04	8.6644E 00	8.6250E 02
2.3257E-05	7.4662E-02	3.1150E-04	3.1150E-04	3.9566E 04	8.6644E 00	8.0357E 02
2.7451E-05	7.7811E-02	3.5280E-04	3.5280E-04	3.7972E 04	8.6654E 00	7.1014E 02
3.1646E-05	8.0615E-02	3.9256E-04	3.9256E-04	3.6657E 04	8.6667E 00	6.3878E 02
3.5840E-05	8.3180E-02	4.3087E-04	4.3088E-04	3.5531E 04	8.6644E 00	5.8165E 02
4.0034E-05	8.5521E-02	4.6813E-04	4.6813E-04	3.4562E 04	8.6644E 00	5.3533E 02
4.4229E-05	8.7687E-02	5.0439E-04	5.0439E-04	3.3712E 04	8.6632E 00	4.9675E 02
4.8423E-05	8.9689E-02	5.3990E-04	5.3990E-04	3.2964E 04	8.6630E 00	4.6432E 02
5.2617E-05	9.1581E-02	5.7454E-04	5.7455E-04	3.2286E 04	8.6629E 00	4.3624E 02
5.6812E-05	9.3356E-02	6.0855E-04	6.0855E-04	3.1675E 04	8.6627E 00	4.1191E 02
6.1006E-05	9.5038E-02	6.4191E-04	6.4191E-04	3.1118E 04	8.6622E 00	3.9051E 02
6.5200E-05	9.6635E-02	6.7471E-04	6.7471E-04	3.0607E 04	8.6610E 00	3.7154E 02
6.9394E-05	9.8158E-02	7.0697E-04	7.0697E-04	3.0135E 04	8.6615E 00	3.5459E 02
7.7783E-05	1.0101E-01	7.7009E-04	7.7009E-04	2.9290E 04	8.6609E 00	3.2556E 02
8.6172E-05	1.0363E-01	8.3150E-04	8.3151E-04	2.8552E 04	8.6609E 00	3.0152E 02
1.0295E-04	1.0837E-01	9.4997E-04	9.4998E-04	2.7313E 04	8.6584E 00	2.6386E 02
1.1973E-04	1.1258E-01	1.0635E-03	1.0635E-03	2.6298E 04	8.6552E 00	2.3550E 02
1.3650E-04	1.1632E-01	1.1735E-03	1.1735E-03	2.5460E 04	8.6561E 00	2.1363E 02
1.5328E-04	1.1975E-01	1.2800E-03	1.2800E-03	2.4738E 04	8.6555E 00	1.9591E 02
1.7006E-04	1.2290E-01	1.3837E-03	1.3837E-03	2.4109E 04	8.6551E 00	1.8130E 02
1.8683E-04	1.2589E-01	1.4846E-03	1.4846E-03	2.3550E 04	8.6537E 00	1.6894E 02
2.0361E-04	1.2859E-01	1.5834E-03	1.5834E-03	2.3052E 04	8.6532E 00	1.5843E 02

2.2039E+04	1.3118E-01	1.6801E+03	1.6801E+03	2.2603E 04	8.6523E 00	1.4932E 02
2.3717E+04	1.3361E-01	1.7750E+03	1.7751E+03	2.2196E 04	8.6511E 00	1.4136E 02
2.5394E+04	1.3592E-01	1.8683E+03	1.8683E+03	2.1822E 04	8.6512E 00	1.3432E 02
2.8750E+04	1.4022E-01	2.0503E+03	2.0504E+03	2.1162E 04	8.6504E 00	1.2245E 02
3.2105E+04	1.4416E-01	2.2271E+03	2.2271E+03	2.0591E 04	8.6495E 00	1.1277E 02
3.5461E+04	1.4781E-01	2.3991E+03	2.3991E+03	2.0089E 04	8.6482E 00	1.0449E 02
3.8816E+04	1.5120E-01	2.5672E+03	2.5672E+03	1.9645E 04	8.6474E 00	9.7866E 01
4.2172E+04	1.5439E-01	2.7316E+03	2.7316E+03	1.9245E 04	8.6464E 00	9.1994E 01
4.5527E+04	1.5738E-01	2.8928E+03	2.8928E+03	1.8885E 04	8.6457E 00	8.6894E 01
4.8882E+04	1.6022E-01	3.0509E+03	3.0509E+03	1.8555E 04	8.6448E 00	8.2402E 01
5.5593E+04	1.6549E-01	3.3594E+03	3.3594E+03	1.7975E 04	8.6431E 00	7.4871E 01
6.2304E+04	1.7030E-01	3.6584E+03	3.6584E+03	1.7475E 04	8.6415E 00	6.8767E 01
6.9015E+04	1.7475E-01	3.9494E+03	3.9495E+03	1.7039E 04	8.6400E 00	6.3720E 01
7.5726E+04	1.7887E-01	4.2335E+03	4.2335E+03	1.6653E 04	8.6387E 00	5.9466E 01
8.9148E+04	1.8635E-01	4.7839E+03	4.7839E+03	1.5999E 04	8.6374E 00	5.2687E 01
1.0257E+03	1.9302E-01	5.3140E+03	5.3141E+03	1.5459E 04	8.6367E 00	4.7493E 01
1.1599E+03	1.9912E-01	5.8251E+03	5.8251E+03	1.4996E 04	8.6351E 00	4.3323E 01
1.2941E+03	2.0471E-01	6.3219E+03	6.3220E+03	1.4597E 04	8.6308E 00	3.9934E 01
1.4283E+03	2.0988E-01	6.8055E+03	6.8056E+03	1.4247E 04	8.6282E 00	3.7104E 01
1.5626E+03	2.1467E-01	7.2789E+03	7.2790E+03	1.3938E 04	8.6272E 00	3.4722E 01
1.6968E+03	2.1920E-01	7.7408E+03	7.7409E+03	1.3658E 04	8.6240E 00	3.2656E 01
1.8310E+03	2.2345E-01	8.1941E+03	8.1942E+03	1.3406E 04	8.6232E 00	3.0864E 01
1.9652E+03	2.2749E-01	8.6387E+03	8.6388E+03	1.3176E 04	8.6214E 00	2.9285E 01
2.0994E+03	2.3132E-01	9.0758E+03	9.0759E+03	1.2965E 04	8.6197E 00	2.7885E 01
2.2337E+03	2.3498E-01	9.5057E+03	9.5058E+03	1.2770E 04	8.6180E 00	2.6632E 01
2.5021E+03	2.4183E-01	1.0347E+02	1.0347E+02	1.2420E 04	8.6158E 00	2.4445E 01
2.7705E+03	2.4816E-01	1.1164E+02	1.1165E+02	1.2115E 04	8.6110E 00	2.2705E 01
3.0390E+03	2.5405E-01	1.1962E+02	1.1962E+02	1.1845E 04	8.6090E 00	2.1202E 01
3.3074E+03	2.5956E-01	1.2742E+02	1.2742E+02	1.1604E 04	8.6061E 00	1.9916E 01
3.8443E+03	2.6966E-01	1.4256E+02	1.4256E+02	1.1188E 04	8.6014E 00	1.7823E 01
4.3811E+03	2.7873E-01	1.5718E+02	1.5718E+02	1.0840E 04	8.5970E 00	1.6190E 01
4.9180E+03	2.8708E-01	1.7131E+02	1.7131E+02	1.0540E 04	8.5927E 00	1.4843E 01
5.4549E+03	2.9476E-01	1.8506E+02	1.8507E+02	1.0280E 04	8.5885E 00	1.3772E 01
6.5286E+03	3.0870E-01	2.1148E+02	2.1149E+02	9.8401E 03	8.5771E 00	1.2053E 01
7.6024E+03	3.2103E-01	2.3681E+02	2.3681E+02	9.4841E 03	8.5677E 00	1.0770E 01
8.6761E+03	3.3200E-01	2.6133E+02	2.6133E+02	9.1911E 03	8.5630E 00	9.7819E 00
9.7498E+03	3.4209E-01	2.8500E+02	2.8501E+02	8.9381E 03	8.5561E 00	8.9797E 00
1.0824E+02	3.5135E-01	3.0805E+02	3.0806E+02	8.7195E 03	8.5512E 00	8.3219E 00
1.1897E+02	3.6002E-01	3.3045E+02	3.3047E+02	8.5252E 03	8.5450E 00	7.7651E 00
1.2971E+02	3.6809E-01	3.5238E+02	3.5240E+02	8.3532E 03	8.5402E 00	7.2926E 00
1.4045E+02	3.7570E-01	3.7383E+02	3.7384E+02	8.1979E 03	8.5351E 00	6.8828E 00
1.5119E+02	3.8289E-01	3.9485E+02	3.9487E+02	8.0572E 03	8.5307E 00	6.5246E 00
1.6192E+02	3.8972E-01	4.1548E+02	4.1549E+02	7.9283E 03	8.5261E 00	6.2076E 00
1.8340E+02	4.0245E-01	4.5570E+02	4.5572E+02	7.7006E 03	8.5174E 00	5.6725E 00
2.0487E+02	4.1415E-01	4.9467E+02	4.9469E+02	7.5041E 03	8.5091E 00	5.2358E 00
2.2635E+02	4.2500E-01	5.3257E+02	5.3259E+02	7.3322E 03	8.5012E 00	4.8723E 00
2.4782E+02	4.3512E-01	5.6953E+02	5.6956E+02	7.1800E 03	8.4938E 00	4.5645E 00
2.9077E+02	4.5358E-01	6.4104E+02	6.4108E+02	6.9208E 03	8.4801E 00	4.0701E 00
3.3372E+02	4.7012E-01	7.0985E+02	7.0989E+02	6.7071E 03	8.4687E 00	3.6895E 00
3.7667E+02	4.8534E-01	7.7608E+02	7.7613E+02	6.5239E 03	8.4551E 00	3.3826E 00
4.1962E+02	4.9931E-01	8.4038E+02	8.4043E+02	6.3663E 03	8.4434E 00	3.1322E 00
5.0552E+02	5.2472E-01	9.6338E+02	9.6345E+02	6.1024E 03	8.4175E 00	2.7408E 00
5.9142E+02	5.4687E-01	1.0814E+01	1.0815E+01	5.8945E 03	8.3997E 00	2.4551E 00
6.7732E+02	5.6691E-01	1.1947E+01	1.1948E+01	5.7214E 03	8.3821E 00	2.2325E 00
7.6322E+02	5.8528E-01	1.3040E+01	1.3041E+01	5.5743E 03	8.3651E 00	2.0538E 00
8.4912E+02	6.0233E-01	1.4097E+01	1.4098E+01	5.4463E 03	8.3479E 00	1.9062E 00
9.3502E+02	6.1816E-01	1.5125E+01	1.5127E+01	5.3346E 03	8.3324E 00	1.7828E 00
1.0209E+01	6.3302E-01	1.6127E+01	1.6128E+01	5.2354E 03	8.3175E 00	1.6776E 00
1.1068E+01	6.4700E-01	1.7106E+01	1.7108E+01	5.1467E 03	8.3038E 00	1.5870E 00
1.1927E+01	6.6030E-01	1.8062E+01	1.8064E+01	5.0663E 03	8.2901E 00	1.5075E 00
1.3645E+01	6.8498E-01	1.9919E+01	1.9922E+01	4.9264E 03	8.2648E 00	1.3752E 00
1.5363E+01	7.0769E-01	2.1708E+01	2.1710E+01	4.8073E 03	8.2402E 00	1.2685E 00

1.7081E=01	7.2873E=01	2.3438E=01	2.3441E=01	4.7046E 03	8.2173E 00	1.1807E 00
1.8799E=01	7.4836E=01	2.5119E=01	2.5122E=01	4.6147E 03	8.1958E 00	1.1070E 00
2.0517E=01	7.6681E=01	2.6755E=01	2.6758E=01	4.5352E 03	8.1753E 00	1.0442E 00
2.2235E=01	7.8427E=01	2.8349E=01	2.8353E=01	4.4639E 03	8.1556E 00	9.8977E=01
2.5671E=01	8.1662E=01	3.1434E=01	3.1438E=01	4.3413E 03	8.1189E 00	9.0021E=01
2.9107E=01	8.4613E=01	3.4398E=01	3.4403E=01	4.2392E 03	8.0857E 00	8.2938E=01
3.2543E=01	8.7359E=01	3.7249E=01	3.7255E=01	4.1515E 03	8.0531E 00	7.7131E=01
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4.2851E=01	9.4635E=01	4.5276E=01	4.5284E=01	3.9487E 03	7.9632E 00	6.4619E=01
4.9723E=01	9.8867E=01	5.0288E=01	5.0297E=01	3.8477E 03	7.9114E 00	5.8839E=01
5.6595E=01	1.0274E 00	5.5081E=01	5.5091E=01	3.7644E 03	7.8434E 00	5.4293E=01
6.3467E=01	1.0634E 00	5.9676E=01	5.9687E=01	3.6937E 03	7.8175E 00	5.0588E=01
7.0339E=01	1.0971E 00	6.4109E=01	6.4121E=01	3.6332E 03	7.7754E 00	4.7518E=01
7.7211E=01	1.1288E 00	6.8392E=01	6.8406E=01	3.5803E 03	7.7444E 00	4.4917E=01
8.4083E=01	1.1589E 00	7.2549E=01	7.2564E=01	3.5339E 03	7.6964E 00	4.2688E=01
9.0955E=01	1.1875E 00	7.6584E=01	7.6599E=01	3.4924E 03	7.6594E 00	4.0744E=01
9.7826E=01	1.2149E 00	8.0512E=01	8.0529E=01	3.4553E 03	7.6244E 00	3.9037E=01
1.0470E 00	1.2412E 00	8.4342E=01	8.4360E=01	3.4217E 03	7.5905E 00	3.7520E=01
1.1844E 00	1.2909E 00	9.1738E=01	9.1759E=01	3.3634E 03	7.5264E 00	3.4945E=01
1.3219E 00	1.3375E 00	9.8820E=01	9.8843E=01	3.3142E 03	7.4678E 00	3.2829E=01
1.4593E 00	1.3814E 00	1.0563E 00	1.0565E 00	3.2720E 03	7.4107E 00	3.1055E=01
1.5967E 00	1.4230E 00	1.1220E 00	1.1222E 00	3.2354E 03	7.3577E 00	2.9543E=01
1.7342E 00	1.4627E 00	1.1855E 00	1.1858E 00	3.2033E 03	7.3074E 00	2.8235E=01
1.8716E 00	1.5007E 00	1.2470E 00	1.2473E 00	3.1749E 03	7.2594E 00	2.7090E=01
2.1465E 00	1.5731E 00	1.3643E 00	1.3647E 00	3.1260E 03	7.1464E 00	2.5197E=01
2.4214E 00	1.6401E 00	1.4761E 00	1.4765E 00	3.0866E 03	7.0839E 00	2.3613E=01
2.6963E 00	1.7033E 00	1.5827E 00	1.5831E 00	3.0536E 03	7.0069E 00	2.2333E=01
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3.2460E 00	1.8201E 00	1.7831E 00	1.7836E 00	3.0016E 03	6.8485E 00	2.0330E=01
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4.3455E 00	2.0272E 00	2.1433E 00	2.1439E 00	2.9309E 03	6.6331E 00	1.7614E=01
4.8953E 00	2.1215E 00	2.3072E 00	2.3078E 00	2.9054E 03	6.5301E 00	1.6632E=01
5.4450E 00	2.2107E 00	2.4627E 00	2.4634E 00	2.8841E 03	6.4358E 00	1.5811E=01
5.9948E 00	2.2956E 00	2.6110E 00	2.6117E 00	2.8661E 03	6.3484E 00	1.5112E=01
6.5445E 00	2.3770E 00	2.7528E 00	2.7536E 00	2.8504E 03	6.2478E 00	1.4506E=01
7.0943E 00	2.4553E 00	2.8890E 00	2.8898E 00	2.8367E 03	6.1504E 00	1.3973E=01
7.6441E 00	2.5308E 00	3.0200E 00	3.0209E 00	2.8245E 03	6.1191E 00	1.3500E=01
8.7436E 00	2.6746E 00	3.2686E 00	3.2696E 00	2.8036E 03	5.9888E 00	1.2693E=01
9.8431E 00	2.8103E 00	3.5019E 00	3.5030E 00	2.7861E 03	5.8701E 00	1.2026E=01
1.0943E 01	2.9394E 00	3.7222E 00	3.7233E 00	2.7709E 03	5.7438E 00	1.1460E=01
1.2042E 01	3.0626E 00	3.9314E 00	3.9325E 00	2.7576E 03	5.6450E 00	1.0971E=01
1.3142E 01	3.1809E 00	4.1309E 00	4.1321E 00	2.7455E 03	5.5749E 00	1.0544E=01
1.4241E 01	3.2947E 00	4.3218E 00	4.3231E 00	2.7346E 03	5.4914E 00	1.0165E=01
1.6440E 01	3.5118E 00	4.6808E 00	4.6822E 00	2.7148E 03	5.3404E 00	9.5180E=02
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2.0838E 01	3.9078E 00	5.3317E 00	5.3333E 00	2.6819E 03	5.0929E 00	8.5362E=02
2.3037E 01	4.0910E 00	5.6304E 00	5.6321E 00	2.6676E 03	4.9477E 00	8.1497E=02
2.5236E 01	4.2666E 00	5.9139E 00	5.9157E 00	2.6542E 03	4.8924E 00	7.8113E=02
2.7435E 01	4.4350E 00	6.1852E 00	6.1870E 00	2.6417E 03	4.8461E 00	7.5129E=02
3.1833E 01	4.7543E 00	6.6946E 00	6.6966E 00	2.6187E 03	4.6532E 00	7.0060E=02
3.6231E 01	5.0536E 00	7.1684E 00	7.1706E 00	2.5978E 03	4.5214E 00	6.5910E=02
4.0629E 01	5.3347E 00	7.6149E 00	7.6172E 00	2.5788E 03	4.4478E 00	6.2420E=02
4.5027E 01	5.6025E 00	8.0359E 00	8.0383E 00	2.5611E 03	4.3864E 00	5.9432E=02
4.9425E 01	5.8578E 00	8.4363E 00	8.4388E 00	2.5445E 03	4.2157E 00	5.6838E=02
5.3824E 01	6.1031E 00	8.8178E 00	8.8204E 00	2.5288E 03	4.1335E 00	5.4551E=02
5.8222E 01	6.3384E 00	9.1842E 00	9.1869E 00	2.5141E 03	4.0589E 00	5.2523E=02
6.2620E 01	6.5654E 00	9.5363E 00	9.5392E 00	2.5001E 03	3.9904E 00	5.0705E=02

A = 10.0000E-04

B = 3.0000E-03

EPS = 0.

GAM = 3.0000E-02

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10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	2.7742E 03	3.9904E 00	5.2596E 06
2.0000E-12	4.0105E-03	4.9869E-10	4.9869E-10	2.7705E 03	3.9904E 00	5.0709E 06
3.0000E-12	4.0154E-03	7.4711E-10	7.4711E-10	2.7671E 03	3.9904E 00	5.1458E 06
4.0000E-12	4.0206E-03	9.9487E-10	9.9487E-10	2.7635E 03	3.9904E 00	5.2510E 06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	2.7562E 03	3.9904E 00	5.1792E 06
8.0000E-12	4.0417E-03	1.9794E-09	1.9794E-09	2.7491E 03	3.9904E 00	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	2.7423E 03	3.9904E 00	4.9651E 06
1.4000E-11	4.0711E-03	3.4389E-09	3.4389E-09	2.7293E 03	3.9904E 00	4.9693E 06
2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	2.7029E 03	3.9904E 00	4.7986E 06
3.0000E-11	4.1486E-03	7.2314E-09	7.2314E-09	2.6783E 03	3.9904E 00	4.7803E 06
3.8000E-11	4.1867E-03	9.0763E-09	9.0763E-09	2.6539E 03	3.9904E 00	4.5731E 06
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	2.6318E 03	3.9904E 00	4.4351E 06
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	2.6101E 03	3.9904E 00	4.3283E 06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	2.5892E 03	3.9904E 00	4.2018E 06
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	2.5694E 03	3.9904E 00	4.2010E 06
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	2.5301E 03	3.9904E 00	3.9503E 06
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-08	2.4963E 03	3.9904E 00	3.7471E 06
1.1800E-10	4.5098E-03	2.6165E-08	2.6166E-08	2.4638E 03	3.9904E 00	3.6842E 06
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-08	2.4314E 03	3.9904E 00	3.4591E 06
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	2.4039E 03	3.9904E 00	3.3607E 06
1.6600E-10	4.6752E-03	3.5506E-08	3.5507E-08	2.3766E 03	3.9904E 00	3.3017E 06
1.8200E-10	4.7278E-03	3.8496E-08	3.8496E-08	2.3502E 03	3.9904E 00	3.1505E 06
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-08	2.3263E 03	3.9904E 00	3.1024E 06
2.1400E-10	4.8257E-03	4.4346E-08	4.4346E-08	2.3025E 03	3.9904E 00	2.9943E 06
2.3000E-10	4.8723E-03	4.7206E-08	4.7206E-08	2.2805E 03	3.9904E 00	2.8467E 06
2.4600E-10	4.9165E-03	5.0035E-08	5.0035E-08	2.2600E 03	3.9904E 00	2.8071E 06
2.6200E-10	4.9611E-03	5.2811E-08	5.2811E-08	2.2397E 03	3.9904E 00	2.7192E 06
2.7800E-10	5.0036E-03	5.5560E-08	5.5560E-08	2.2206E 03	3.9904E 00	2.6614E 06
2.9400E-10	5.0459E-03	5.8265E-08	5.8265E-08	2.2020E 03	3.9904E 00	2.6123E 06
3.1000E-10	5.0874E-03	6.0935E-08	6.0935E-08	2.1841E 03	3.9904E 00	2.5540E 06
3.2600E-10	5.1277E-03	6.3576E-08	6.3576E-08	2.1669E 03	3.9904E 00	2.4836E 06
3.5800E-10	5.2044E-03	6.8788E-08	6.8788E-08	2.1350E 03	3.9904E 00	2.3561E 06
4.2200E-10	5.3471E-03	7.8921E-08	7.8921E-08	2.0780E 03	3.9904E 00	2.1933E 06
4.8600E-10	5.4869E-03	8.8575E-08	8.8575E-08	2.0251E 03	3.9904E 00	2.0209E 06
5.5000E-10	5.6104E-03	9.8031E-08	9.8032E-08	1.9805E 03	3.9904E 00	1.8908E 06
6.1400E-10	5.7284E-03	1.0718E-07	1.0718E-07	1.9397E 03	3.9904E 00	1.7728E 06
6.7800E-10	5.8384E-03	1.1613E-07	1.1613E-07	1.9031E 03	3.9904E 00	1.6647E 06
7.4200E-10	5.9423E-03	1.2487E-07	1.2487E-07	1.8699E 03	3.9904E 00	1.5844E 06
8.0600E-10	6.0418E-03	1.3340E-07	1.3340E-07	1.8391E 03	3.9904E 00	1.5075E 06
8.7000E-10	6.1360E-03	1.4179E-07	1.4179E-07	1.8108E 03	3.9904E 00	1.4462E 06
9.3400E-10	6.2272E-03	1.4999E-07	1.4999E-07	1.7843E 03	3.9904E 00	1.3810E 06
9.9800E-10	6.3134E-03	1.5808E-07	1.5808E-07	1.7600E 03	3.9904E 00	1.3291E 06
1.0620E-09	6.3972E-03	1.6601E-07	1.6601E-07	1.7369E 03	3.9904E 00	1.2737E 06
1.1260E-09	6.4768E-03	1.7385E-07	1.7385E-07	1.7155E 03	3.9904E 00	1.2216E 06
1.1900E-09	6.5534E-03	1.8158E-07	1.8159E-07	1.6955E 03	3.9904E 00	1.1836E 06
1.2540E-09	6.6286E-03	1.8918E-07	1.8918E-07	1.6763E 03	3.9904E 00	1.1462E 06
1.3820E-09	6.7706E-03	2.0412E-07	2.0412E-07	1.6411E 03	3.9904E 00	1.0737E 06
1.6380E-09	7.0279E-03	2.3307E-07	2.3307E-07	1.5810E 03	3.9904E 00	9.6081E 05
1.8940E-09	7.2674E-03	2.6061E-07	2.6062E-07	1.5289E 03	3.9904E 00	8.6832E 05
2.1500E-09	7.4787E-03	2.8748E-07	2.8749E-07	1.4857E 03	3.9904E 00	7.9511E 05
2.4060E-09	7.6748E-03	3.1349E-07	3.1349E-07	1.4478E 03	3.9904E 00	7.3812E 05
2.6620E-09	7.8577E-03	3.3877E-07	3.3878E-07	1.4141E 03	3.9904E 00	6.8574E 05
2.9180E-09	8.0246E-03	3.6363E-07	3.6363E-07	1.3847E 03	3.9904E 00	6.4386E 05
3.1740E-09	8.1858E-03	3.8775E-07	3.8775E-07	1.3574E 03	3.9904E 00	6.0790E 05
3.4300E-09	8.3370E-03	4.1142E-07	4.1142E-07	1.3328E 03	3.9904E 00	5.7494E 05
3.6860E-09	8.4801E-03	4.3466E-07	4.3466E-07	1.3103E 03	3.9904E 00	5.4626E 05

3.9420E=09	8.6175E=03	4.5744E=07	4.5744E=07	1.2894E 03	3.9904E 00	5.2015E 05
4.1980E=09	8.7474E=03	4.7991E=07	4.7992E=07	1.2703E 03	3.9904E 00	4.9807E 05
4.4540E=09	8.8726E=03	5.0199E=07	5.0199E=07	1.2523E 03	3.9904E 00	4.7729E 05
4.7100E=09	8.9923E=03	5.2378E=07	5.2378E=07	1.2357E 03	3.9904E 00	4.5819E 05
4.9660E=09	9.1074E=03	5.4527E=07	5.4527E=07	1.2200E 03	3.9904E 00	4.4185E 05
5.2220E=09	9.2189E=03	5.6645E=07	5.6645E=07	1.2053E 03	3.9904E 00	4.2571E 05
5.4780E=09	9.3258E=03	5.8740E=07	5.8741E=07	1.1915E 03	3.9904E 00	4.1078E 05
5.7340E=09	9.4293E=03	6.0810E=07	6.0811E=07	1.1784E 03	3.9904E 00	3.9748E 05
5.9900E=09	9.5295E=03	6.2857E=07	6.2858E=07	1.1660E 03	3.9904E 00	3.8591E 05
6.2460E=09	9.6268E=03	6.4881E=07	6.4882E=07	1.1542E 03	3.9904E 00	3.7348E 05
6.5020E=09	9.7208E=03	6.6887E=07	6.6888E=07	1.1431E 03	3.9904E 00	3.6294E 05
6.7580E=09	9.8125E=03	6.8871E=07	6.8872E=07	1.1324E 03	3.9904E 00	3.5238E 05
7.0140E=09	9.9014E=03	7.0838E=07	7.0839E=07	1.1222E 03	3.9904E 00	3.4338E 05
7.2700E=09	9.9884E=03	7.2784E=07	7.2784E=07	1.1124E 03	3.9904E 00	3.3456E 05
7.7820E=09	1.0155E=02	7.6629E=07	7.6630E=07	1.0942E 03	3.9904E 00	3.1821E 05
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1.0342E=08	1.0888E=02	9.4983E=07	9.4984E=07	1.0205E 03	3.9904E 00	2.5822E 05
1.1366E=08	1.1143E=02	1.0200E=06	1.0201E=06	9.9721E 02	3.9904E 00	2.4091E 05
1.2390E=08	1.1382E=02	1.0886E=06	1.0886E=06	9.7627E 02	3.9904E 00	2.2603E 05
1.3414E=08	1.1606E=02	1.1558E=06	1.1558E=06	9.5740E 02	3.9904E 00	2.1314E 05
1.4438E=08	1.1818E=02	1.2217E=06	1.2217E=06	9.4020E 02	3.9904E 00	2.0184E 05
1.5462E=08	1.2020E=02	1.2864E=06	1.2864E=06	9.2444E 02	3.9904E 00	1.9189E 05
1.7510E=08	1.2395E=02	1.4126E=06	1.4126E=06	8.9643E 02	3.9904E 00	1.7502E 05
1.9558E=08	1.2740E=02	1.5352E=06	1.5352E=06	8.7219E 02	3.9904E 00	1.6123E 05
2.1606E=08	1.3058E=02	1.6546E=06	1.6546E=06	8.5094E 02	3.9904E 00	1.4968E 05
2.3654E=08	1.3354E=02	1.7713E=06	1.7713E=06	8.3209E 02	3.9904E 00	1.3990E 05
2.5702E=08	1.3632E=02	1.8854E=06	1.8854E=06	8.1513E 02	3.9904E 00	1.3195E 05
2.7750E=08	1.3893E=02	1.9973E=06	1.9974E=06	7.9978E 02	3.9904E 00	1.2427E 05
3.1846E=08	1.4376E=02	2.2152E=06	2.2153E=06	7.7295E 02	3.9904E 00	1.1215E 05
3.5942E=08	1.4814E=02	2.4262E=06	2.4263E=06	7.5010E 02	3.9904E 00	1.0292E 05
4.0038E=08	1.5219E=02	2.6307E=06	2.6308E=06	7.3013E 02	3.9904E 00	9.4543E 04
4.4134E=08	1.5592E=02	2.8305E=06	2.8306E=06	7.1267E 02	3.9904E 00	8.7932E 04
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5.2326E=08	1.6268E=02	3.2165E=06	3.2166E=06	6.8307E 02	3.9904E 00	7.7413E 04
5.6422E=08	1.6576E=02	3.4038E=06	3.4039E=06	6.7036E 02	3.9904E 00	7.3177E 04
6.0518E=08	1.6868E=02	3.5878E=06	3.5879E=06	6.5878E 02	3.9904E 00	6.9447E 04
6.4614E=08	1.7145E=02	3.7686E=06	3.7687E=06	6.4812E 02	3.9904E 00	6.6123E 04
7.2806E=08	1.7662E=02	4.1220E=06	4.1222E=06	6.2914E 02	3.9904E 00	6.0483E 04
8.0998E=08	1.8138E=02	4.4655E=06	4.4657E=06	6.1264E 02	3.9904E 00	5.5892E 04
8.9190E=08	1.8580E=02	4.8004E=06	4.8005E=06	5.9809E 02	3.9904E 00	5.1967E 04
9.7382E=08	1.8991E=02	5.1276E=06	5.1278E=06	5.8512E 02	3.9904E 00	4.8659E 04
1.0557E=07	1.9378E=02	5.4480E=06	5.4482E=06	5.7345E 02	3.9904E 00	4.5799E 04
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1.2196E=07	2.0089E=02	6.0709E=06	6.0711E=06	5.5317E 02	3.9904E 00	4.1112E 04
1.3015E=07	2.0417E=02	6.3745E=06	6.3747E=06	5.4428E 02	3.9904E 00	3.9140E 04
1.3834E=07	2.0730E=02	6.6732E=06	6.6735E=06	5.3605E 02	3.9904E 00	3.7413E 04
1.5473E=07	2.1317E=02	7.2581E=06	7.2584E=06	5.2129E 02	3.9904E 00	3.4407E 04
1.7111E=07	2.1859E=02	7.8278E=06	7.8281E=06	5.0838E 02	3.9904E 00	3.1913E 04
1.8749E=07	2.2364E=02	8.3834E=06	8.3838E=06	4.9689E 02	3.9904E 00	2.9797E 04
2.0388E=07	2.2837E=02	8.9272E=06	8.9277E=06	4.8661E 02	3.9904E 00	2.7985E 04
2.2026E=07	2.3283E=02	9.4600E=06	9.4605E=06	4.7730E 02	3.9904E 00	2.6409E 04
2.5303E=07	2.4103E=02	1.0498E=05	1.0498E=05	4.6106E 02	3.9904E 00	2.3804E 04
2.8580E=07	2.4849E=02	1.1501E=05	1.1502E=05	4.4723E 02	3.9904E 00	2.1725E 04
3.1857E=07	2.5532E=02	1.2477E=05	1.2477E=05	4.3526E 02	3.9904E 00	2.0027E 04
3.5133E=07	2.6164E=02	1.3428E=05	1.3428E=05	4.2475E 02	3.9904E 00	1.8611E 04
4.1687E=07	2.7301E=02	1.5269E=05	1.5270E=05	4.0707E 02	3.9904E 00	1.6382E 04
4.8241E=07	2.8304E=02	1.7040E=05	1.7041E=05	3.9258E 02	3.9904E 00	1.4694E 04
5.4794E=07	2.9231E=02	1.8745E=05	1.8746E=05	3.8021E 02	3.9904E 00	1.3348E 04
6.1348E=07	3.0069E=02	2.0401E=05	2.0403E=05	3.6961E 02	3.9904E 00	1.2263E 04
6.7901E=07	3.0845E=02	2.2013E=05	2.2015E=05	3.6033E 02	3.9904E 00	1.1362E 04
7.4455E=07	3.1559E=02	2.3592E=05	2.3594E=05	3.5218E 02	3.9904E 00	1.0608E 04

8.1009E-07	3.2234E-02	2.5130E-05	2.5133E-05	3.4481E-02	3.9906E-00	9.9554E-03
8.7562E-07	3.2866E-02	2.6641E-05	2.6643E-05	3.3817E-02	3.9906E-00	9.3919E-03
9.4116E-07	3.3466E-02	2.8122E-05	2.8125E-05	3.3212E-02	3.9906E-00	8.8966E-03
1.0067E-06	3.4034E-02	2.9578E-05	2.9581E-05	3.2658E-02	3.9906E-00	8.4587E-03
1.0722E-06	3.4575E-02	3.1010E-05	3.1013E-05	3.2147E-02	3.9906E-00	8.0676E-03
1.2033E-06	3.5587E-02	3.3811E-05	3.3815E-05	3.1234E-02	3.9906E-00	7.3993E-03
1.3344E-06	3.6520E-02	3.6536E-05	3.6541E-05	3.0437E-02	3.9906E-00	6.8470E-03
1.4654E-06	3.7386E-02	3.9195E-05	3.9200E-05	2.9732E-02	3.9906E-00	6.3820E-03
1.5965E-06	3.8196E-02	4.1795E-05	4.1801E-05	2.9102E-02	3.9906E-00	5.9849E-03
1.8587E-06	3.9676E-02	4.6843E-05	4.6849E-05	2.8017E-02	3.9906E-00	5.3403E-03
2.1208E-06	4.1001E-02	5.1722E-05	5.1729E-05	2.7113E-02	3.9906E-00	4.8392E-03
2.3829E-06	4.2219E-02	5.6439E-05	5.6448E-05	2.6332E-02	3.9906E-00	4.4329E-03
2.6451E-06	4.3339E-02	6.1033E-05	6.1043E-05	2.5654E-02	3.9906E-00	4.0922E-03
2.9072E-06	4.4375E-02	6.5510E-05	6.5522E-05	2.5054E-02	3.9906E-00	3.8181E-03
3.1694E-06	4.5342E-02	6.9892E-05	6.9905E-05	2.4519E-02	3.9906E-00	3.5789E-03
3.4315E-06	4.6254E-02	7.4181E-05	7.4195E-05	2.4037E-02	3.9906E-00	3.3716E-03
3.9558E-06	4.7926E-02	8.2531E-05	8.2548E-05	2.3199E-02	3.9906E-00	3.0312E-03
4.4801E-06	4.9445E-02	9.0599E-05	9.0619E-05	2.2488E-02	3.9906E-00	2.7607E-03
5.0044E-06	5.0834E-02	9.8434E-05	9.8457E-05	2.1874E-02	3.9906E-00	2.5407E-03
5.5287E-06	5.2117E-02	1.0607E-04	1.0609E-04	2.1336E-02	3.9906E-00	2.3578E-03
6.0530E-06	5.3310E-02	1.1353E-04	1.1356E-04	2.0860E-02	3.9906E-00	2.2032E-03
6.5773E-06	5.4429E-02	1.2082E-04	1.2086E-04	2.0431E-02	3.9906E-00	2.0702E-03
7.1015E-06	5.5483E-02	1.2798E-04	1.2801E-04	2.0044E-02	3.9906E-00	1.9546E-03
8.1501E-06	5.7432E-02	1.4189E-04	1.4193E-04	1.9365E-02	3.9906E-00	1.7625E-03
9.1987E-06	5.9204E-02	1.5535E-04	1.5540E-04	1.8786E-02	3.9906E-00	1.6092E-03
1.0247E-05	6.0821E-02	1.6845E-04	1.6851E-04	1.8288E-02	3.9906E-00	1.4844E-03
1.1296E-05	6.2321E-02	1.8122E-04	1.8128E-04	1.7849E-02	3.9906E-00	1.3799E-03
1.2344E-05	6.3718E-02	1.9370E-04	1.9377E-04	1.7458E-02	3.9906E-00	1.2913E-03
1.3393E-05	6.5035E-02	2.0590E-04	2.0597E-04	1.7106E-02	3.9906E-00	1.2145E-03
1.4442E-05	6.6272E-02	2.1787E-04	2.1796E-04	1.6787E-02	3.9906E-00	1.1479E-03
1.5490E-05	6.7446E-02	2.2962E-04	2.2971E-04	1.6496E-02	3.9906E-00	1.0891E-03
1.6539E-05	6.8560E-02	2.4118E-04	2.4128E-04	1.6228E-02	3.9906E-00	1.0370E-03
1.7587E-05	6.9623E-02	2.5255E-04	2.5266E-04	1.5981E-02	3.9906E-00	9.9031E-04
1.9684E-05	7.1611E-02	2.7482E-04	2.7494E-04	1.5539E-02	3.9906E-00	9.1024E-04
2.1782E-05	7.3447E-02	2.9649E-04	2.9663E-04	1.5152E-02	3.9906E-00	8.4381E-04
2.3879E-05	7.5158E-02	3.1763E-04	3.1779E-04	1.4808E-02	3.9906E-00	7.8761E-04
2.5976E-05	7.6758E-02	3.3832E-04	3.3850E-04	1.4500E-02	3.9906E-00	7.3950E-04
2.8073E-05	7.8264E-02	3.5860E-04	3.5879E-04	1.4222E-02	3.9906E-00	6.9772E-04
3.0170E-05	7.9687E-02	3.7850E-04	3.7872E-04	1.3969E-02	3.9906E-00	6.6110E-04
3.4365E-05	8.2330E-02	4.1727E-04	4.1753E-04	1.3522E-02	3.9906E-00	5.9961E-04
3.8559E-05	8.4741E-02	4.5487E-04	4.5517E-04	1.3139E-02	3.9906E-00	5.5001E-04
4.2753E-05	8.6952E-02	4.9152E-04	4.9185E-04	1.2806E-02	3.9906E-00	5.0923E-04
4.6947E-05	8.9013E-02	5.2723E-04	5.2761E-04	1.2511E-02	3.9906E-00	4.7477E-04
5.1142E-05	9.0939E-02	5.6216E-04	5.6258E-04	1.2247E-02	3.9906E-00	4.4534E-04
5.5336E-05	9.2757E-02	5.9634E-04	5.9680E-04	1.2008E-02	3.9906E-00	4.1975E-04
6.3725E-05	9.6090E-02	6.6290E-04	6.6345E-04	1.1594E-02	3.9906E-00	3.7772E-04
7.2113E-05	9.9120E-02	7.2721E-04	7.2785E-04	1.1241E-02	3.9906E-00	3.4425E-04
8.0502E-05	1.0189E-01	7.8972E-04	7.9046E-04	1.0938E-02	3.9906E-00	3.1705E-04
8.8890E-05	1.0445E-01	8.5058E-04	8.5141E-04	1.0671E-02	3.9906E-00	2.9435E-04
9.7279E-05	1.0683E-01	9.1010E-04	9.1103E-04	1.0435E-02	3.9906E-00	2.7521E-04
1.0567E-04	1.0907E-01	9.6825E-04	9.6928E-04	1.0222E-02	3.9906E-00	2.5867E-04
1.2244E-04	1.1317E-01	1.0814E-03	1.0826E-03	9.8547E-03	3.9906E-00	2.3175E-04
1.3922E-04	1.1687E-01	1.1906E-03	1.1920E-03	9.5449E-03	3.9906E-00	2.1053E-04
1.5600E-04	1.2026E-01	1.2964E-03	1.2980E-03	9.2779E-03	3.9906E-00	1.9332E-04
1.7278E-04	1.2338E-01	1.3995E-03	1.4014E-03	9.0454E-03	3.9906E-00	1.7911E-04
1.8955E-04	1.2628E-01	1.5080E-03	1.5021E-03	8.8393E-03	3.9906E-00	1.6711E-04
2.0633E-04	1.2899E-01	1.5984E-03	1.6007E-03	8.6551E-03	3.9906E-00	1.5686E-04
2.2311E-04	1.3159E-01	1.6947E-03	1.6973E-03	8.4882E-03	3.9906E-00	1.4793E-04
2.3989E-04	1.3397E-01	1.7892E-03	1.7921E-03	8.3368E-03	3.9906E-00	1.4014E-04
2.5666E-04	1.3626E-01	1.8821E-03	1.8852E-03	8.1979E-03	3.9906E-00	1.3323E-04
2.9022E-04	1.4052E-01	2.0635E-03	2.0671E-03	7.9520E-03	3.9906E-00	1.2156E-04
3.2377E-04	1.4443E-01	2.2396E-03	2.2438E-03	7.7392E-03	3.9906E-00	1.1203E-04

3.5733E-04	1.4806E-01	2.4110E-03	2.4157E-03	7.5518E-01	3.9904E-00	1.0486E-02
3.9088E-04	1.5143E-01	2.5786E-03	2.5838E-03	7.3857E-01	3.9904E-00	9.7320E-01
4.2443E-04	1.5460E-01	2.7424E-03	2.7482E-03	7.2364E-01	3.9904E-00	9.1515E-01
4.5799E-04	1.5758E-01	2.9032E-03	2.9096E-03	7.1019E-01	3.9904E-00	8.6471E-01
4.9154E-04	1.6041E-01	3.0608E-03	3.0678E-03	6.9781E-01	3.9904E-00	8.2024E-01
5.5865E-04	1.6565E-01	3.3684E-03	3.3766E-03	6.7607E-01	3.9904E-00	7.4562E-01
6.2576E-04	1.7043E-01	3.6666E-03	3.6760E-03	6.5733E-01	3.9904E-00	6.8507E-01
6.9287E-04	1.7487E-01	3.9567E-03	3.9674E-03	6.4097E-01	3.9904E-00	6.3495E-01
7.5998E-04	1.7899E-01	4.2400E-03	4.2520E-03	6.2650E-01	3.9904E-00	5.9270E-01
8.9420E-04	1.8644E-01	4.7888E-03	4.8035E-03	6.0193E-01	3.9904E-00	5.2531E-01
1.0284E-03	1.9309E-01	5.3174E-03	5.3349E-03	5.8162E-01	3.9904E-00	4.7363E-01
1.1626E-03	1.9918E-01	5.8270E-03	5.8473E-03	5.6422E-01	3.9904E-00	4.3212E-01
1.2968E-03	2.0475E-01	6.3223E-03	6.3455E-03	5.4923E-01	3.9904E-00	3.9837E-01
1.4311E-03	2.0991E-01	6.8044E-03	6.8308E-03	5.3604E-01	3.9904E-00	3.7017E-01
1.5653E-03	2.1469E-01	7.2763E-03	7.3056E-03	5.2441E-01	3.9904E-00	3.4643E-01
1.6995E-03	2.1921E-01	7.7367E-03	7.7692E-03	5.1389E-01	3.9904E-00	3.2584E-01
1.8337E-03	2.2345E-01	8.1885E-03	8.2242E-03	5.0440E-01	3.9904E-00	3.0797E-01
1.9679E-03	2.2748E-01	8.6316E-03	8.6705E-03	4.9572E-01	3.9904E-00	2.9222E-01
2.1022E-03	2.3130E-01	9.0672E-03	9.1094E-03	4.8777E-01	3.9904E-00	2.7836E-01
2.2364E-03	2.3495E-01	9.4955E-03	9.5411E-03	4.8042E-01	3.9904E-00	2.6577E-01
2.5048E-03	2.4179E-01	1.0333E-02	1.0386E-02	4.6727E-01	3.9904E-00	2.4435E-01
2.7732E-03	2.4810E-01	1.1148E-02	1.1207E-02	4.5578E-01	3.9904E-00	2.2658E-01
3.3101E-03	2.5951E-01	1.2718E-02	1.2792E-02	4.3646E-01	3.9904E-00	1.9870E-01
3.8470E-03	2.6967E-01	1.4221E-02	1.4310E-02	4.2065E-01	3.9904E-00	1.7765E-01
4.3839E-03	2.7863E-01	1.5681E-02	1.5786E-02	4.0768E-01	3.9904E-00	1.6153E-01
4.9207E-03	2.8699E-01	1.7086E-02	1.7206E-02	3.9633E-01	3.9904E-00	1.4825E-01
5.4576E-03	2.9456E-01	1.8460E-02	1.8596E-02	3.8663E-01	3.9904E-00	1.3747E-01
5.9945E-03	3.0170E-01	1.9792E-02	1.9946E-02	3.7793E-01	3.9904E-00	1.2827E-01
6.5313E-03	3.0834E-01	2.1097E-02	2.1267E-02	3.7020E-01	3.9904E-00	1.2045E-01
7.0682E-03	3.1463E-01	2.2371E-02	2.2559E-02	3.6320E-01	3.9904E-00	1.1364E-01
7.6051E-03	3.2056E-01	2.3622E-02	2.3827E-02	3.5686E-01	3.9904E-00	1.0769E-01
8.1420E-03	3.2620E-01	2.4849E-02	2.5072E-02	3.5105E-01	3.9904E-00	1.0242E-01
9.2157E-03	3.3669E-01	2.7242E-02	2.7502E-02	3.4077E-01	3.9904E-00	9.3531E-02
1.0289E-02	3.4631E-01	2.9563E-02	2.9860E-02	3.3190E-01	3.9904E-00	8.6281E-02
1.1363E-02	3.5526E-01	3.1818E-02	3.2153E-02	3.2410E-01	3.9904E-00	8.0221E-02
1.2437E-02	3.6359E-01	3.4019E-02	3.4393E-02	3.1720E-01	3.9904E-00	7.5101E-02
1.3511E-02	3.7142E-01	3.6170E-02	3.6583E-02	3.1101E-01	3.9904E-00	7.0691E-02
1.4584E-02	3.7878E-01	3.8277E-02	3.8730E-02	3.0543E-01	3.9904E-00	6.6863E-02
1.5658E-02	3.8578E-01	4.0341E-02	4.0835E-02	3.0032E-01	3.9904E-00	6.3488E-02
1.7806E-02	3.9877E-01	4.4363E-02	4.4940E-02	2.9136E-01	3.9904E-00	5.7829E-02
1.9953E-02	4.1069E-01	4.8253E-02	4.8915E-02	2.8364E-01	3.9904E-00	5.3235E-02
2.2101E-02	4.2171E-01	5.2033E-02	5.2781E-02	2.7692E-01	3.9904E-00	4.9432E-02
2.4248E-02	4.3198E-01	5.5715E-02	5.6551E-02	2.7098E-01	3.9904E-00	4.6225E-02
2.6396E-02	4.4159E-01	5.9310E-02	6.0237E-02	2.6569E-01	3.9904E-00	4.3480E-02
2.8543E-02	4.5067E-01	6.2826E-02	6.3844E-02	2.6090E-01	3.9904E-00	4.1096E-02
3.2838E-02	4.6742E-01	6.9652E-02	7.0855E-02	2.5260E-01	3.9904E-00	3.7160E-02
3.7133E-02	4.8265E-01	7.6239E-02	7.7631E-02	2.4557E-01	3.9904E-00	3.4030E-02
4.1428E-02	4.9671E-01	8.2612E-02	8.4197E-02	2.3950E-01	3.9904E-00	3.1465E-02
4.5723E-02	5.0976E-01	8.8805E-02	9.0586E-02	2.3418E-01	3.9904E-00	2.9326E-02
5.0018E-02	5.2196E-01	9.4837E-02	9.6818E-02	2.2947E-01	3.9904E-00	2.7511E-02
5.4313E-02	5.3342E-01	1.0073E-01	1.0291E-01	2.2525E-01	3.9904E-00	2.5990E-02
6.2903E-02	5.5458E-01	1.1213E-01	1.1472E-01	2.1796E-01	3.9904E-00	2.3387E-02
7.1493E-02	5.7375E-01	1.2310E-01	1.2611E-01	2.1186E-01	3.9904E-00	2.1372E-02
8.0083E-02	5.9137E-01	1.3370E-01	1.3714E-01	2.0664E-01	3.9904E-00	1.9738E-02
8.8673E-02	6.0771E-01	1.4398E-01	1.4784E-01	2.0209E-01	3.9904E-00	1.8381E-02
9.7263E-02	6.2302E-01	1.5396E-01	1.5826E-01	1.9807E-01	3.9904E-00	1.7232E-02
1.0585E-01	6.3739E-01	1.6370E-01	1.6844E-01	1.9450E-01	3.9904E-00	1.6249E-02
1.1444E-01	6.5098E-01	1.7321E-01	1.7839E-01	1.9128E-01	3.9904E-00	1.5394E-02
1.2303E-01	6.6386E-01	1.8251E-01	1.8814E-01	1.8836E-01	3.9904E-00	1.4645E-02
1.3162E-01	6.7616E-01	1.9162E-01	1.9770E-01	1.8569E-01	3.9904E-00	1.3980E-02
1.4880E-01	6.9915E-01	2.0934E-01	2.1632E-01	1.8099E-01	3.9904E-00	1.2855E-02
1.6598E-01	7.2044E-01	2.2644E-01	2.3434E-01	1.7694E-01	3.9904E-00	1.1932E-02

1.8316E-01	7.4027E-01	2.4302E-01	2.5184E-01	1.7341E 01	3.990AE 00	1.1161E 00
2.0034E-01	7.5887E-01	2.5913E-01	2.6887E-01	1.7030E 01	3.990AE 00	1.0506E 00
2.3470E-01	7.9300E-01	2.9016E-01	3.0177E-01	1.6502E 01	3.990AE 00	9.4509E-01
2.6906E-01	8.2387E-01	3.1984E-01	3.3332E-01	1.6070E 01	3.990AE 00	8.6345E-01
3.0342E-01	8.5245E-01	3.4826E-01	3.6362E-01	1.5702E 01	3.990AE 00	7.9750E-01
3.3778E-01	8.7890E-01	3.7571E-01	3.9294E-01	1.5388E 01	3.990AE 00	7.4345E-01
3.7214E-01	9.0368E-01	4.0225E-01	4.2136E-01	1.5114E 01	3.990AE 00	6.9805E-01
4.0650E-01	9.2690E-01	4.2807E-01	4.4905E-01	1.4874E 01	3.990AE 00	6.5954E-01
4.4086E-01	9.4900E-01	4.5312E-01	4.759AE-01	1.4659E 01	3.990AE 00	6.2686E-01
5.0958E-01	9.8994E-01	5.0147E-01	5.2804E-01	1.4293E 01	3.990AE 00	5.7116E-01
5.7830E-01	1.0276E 00	5.4763E-01	5.7789E-01	1.3989E 01	3.990AE 00	5.2755E-01
6.4702E-01	1.0627E 00	5.9190E-01	6.2581E-01	1.3731E 01	3.990AE 00	4.9189E-01
7.1574E-01	1.0954E 00	6.3464E-01	6.7216E-01	1.3510E 01	3.990AE 00	4.6228E-01
7.8446E-01	1.1263E 00	6.7595E-01	7.1705E-01	1.3317E 01	3.990AE 00	4.3713E-01
8.5318E-01	1.1555E 00	7.1602E-01	7.6066E-01	1.3147E 01	3.990AE 00	4.1590E-01
9.2190E-01	1.1834E 00	7.5493E-01	8.0306E-01	1.2996E 01	3.990AE 00	3.9662E-01
9.9062E-01	1.2101E 00	7.9283E-01	8.4441E-01	1.2861E 01	3.990AE 00	3.8001E-01
1.0593E 00	1.2357E 00	8.2977E-01	8.8476E-01	1.2739E 01	3.990AE 00	3.6524E-01
1.1968E 00	1.2841E 00	9.0114E-01	9.6283E-01	1.2528E 01	3.990AE 00	3.4010E-01
1.3342E 00	1.3294E 00	9.6950E-01	1.0377E 00	1.2350E 01	3.990AE 00	3.1940E-01
1.6091E 00	1.4127E 00	1.0986E 00	1.1794E 00	1.2067E 01	3.990AE 00	2.8712E-01
1.8840E 00	1.4887E 00	1.2191E 00	1.3120E 00	1.1852E 01	3.990AE 00	2.6287E-01
2.1588E 00	1.5580E 00	1.3335E 00	1.4379E 00	1.1685E 01	3.990AE 00	2.4411E-01
2.4337E 00	1.6228E 00	1.4419E 00	1.574E 00	1.1549E 01	3.990AE 00	2.2887E-01
2.7086E 00	1.6839E 00	1.5455E 00	1.6716E 00	1.1438E 01	3.990AE 00	2.1624E-01
2.9835E 00	1.7420E 00	1.6445E 00	1.7809E 00	1.1344E 01	3.990AE 00	2.0552E-01
3.2584E 00	1.7972E 00	1.7400E 00	1.8862E 00	1.1266E 01	3.990AE 00	1.9632E-01
3.5332E 00	1.8500E 00	1.8320E 00	1.9877E 00	1.1199E 01	3.990AE 00	1.8830E-01
3.8081E 00	1.9008E 00	1.9210E 00	2.0859E 00	1.1141E 01	3.990AE 00	1.8123E-01
4.0830E 00	1.9497E 00	2.0072E 00	2.1810E 00	1.1090E 01	3.990AE 00	1.7493E-01
4.6327E 00	2.0428E 00	2.1724E 00	2.3632E 00	1.1008E 01	3.990AE 00	1.6416E-01
5.1825E 00	2.1306E 00	2.3290E 00	2.5359E 00	1.0943E 01	3.990AE 00	1.5523E-01
5.7323E 00	2.2138E 00	2.4782E 00	2.7004E 00	1.0892E 01	3.990AE 00	1.4767E-01
6.2820E 00	2.2931E 00	2.6211E 00	2.8578E 00	1.0850E 01	3.990AE 00	1.4115E-01
6.8318E 00	2.3691E 00	2.7584E 00	3.0090E 00	1.0816E 01	3.990AE 00	1.3546E-01
7.9313E 00	2.5118E 00	3.0192E 00	3.2960E 00	1.0765E 01	3.990AE 00	1.2596E-01
9.0308E 00	2.6457E 00	3.2629E 00	3.5640E 00	1.0729E 01	3.990AE 00	1.1822E-01
1.0130E 01	2.7720E 00	3.4926E 00	3.8164E 00	1.0702E 01	3.990AE 00	1.1174E-01
1.1230E 01	2.8918E 00	3.7107E 00	4.0559E 00	1.0683E 01	3.990AE 00	1.0621E-01
1.2329E 01	3.0058E 00	3.9191E 00	4.2847E 00	1.0668E 01	3.990AE 00	1.0142E-01
1.3429E 01	3.1149E 00	4.1187E 00	4.5036E 00	1.0657E 01	3.990AE 00	9.7204E-02
1.5628E 01	3.3202E 00	4.4963E 00	4.9177E 00	1.0641E 01	3.990AE 00	9.0102E-02
1.7827E 01	3.5113E 00	4.8493E 00	5.3046E 00	1.0632E 01	3.990AE 00	8.4281E-02
2.0026E 01	3.6913E 00	5.1816E 00	5.6686E 00	1.0626E 01	3.990AE 00	7.9399E-02
2.2225E 01	3.8613E 00	5.4973E 00	6.0144E 00	1.0621E 01	3.990AE 00	7.5216E-02
2.4424E 01	4.0226E 00	5.7988E 00	6.3445E 00	1.0619E 01	3.990AE 00	7.1581E-02
2.6623E 01	4.1763E 00	6.0881E 00	6.6613E 00	1.0617E 01	3.990AE 00	6.8385E-02
3.1021E 01	4.4650E 00	6.6351E 00	7.2600E 00	1.0614E 01	3.990AE 00	6.2985E-02
3.5419E 01	4.7324E 00	7.1477E 00	7.8210E 00	1.0613E 01	3.990AE 00	5.8577E-02
3.9817E 01	4.9812E 00	7.6338E 00	8.3531E 00	1.0612E 01	3.990AE 00	5.4901E-02
4.4215E 01	5.2157E 00	8.0959E 00	8.8588E 00	1.0612E 01	3.990AE 00	5.1760E-02
4.8613E 01	5.4371E 00	8.5388E 00	9.3434E 00	1.0612E 01	3.990AE 00	4.9042E-02
5.3011E 01	5.6478E 00	8.9639E 00	9.8086E 00	1.0611E 01	3.990AE 00	4.6653E-02
5.7409E 01	5.8482E 00	9.3749E 00	1.0258E 01	1.0611E 01	3.990AE 00	4.4541E-02
6.1807E 01	6.0399E 00	9.7726E 00	1.0694E 01	1.0611E 01	3.990AE 00	4.2681E-02

A = 10.0000E-04

B = 3.0000E-03

EPS = 0.

GAM = 3.0000E-03

X	Y	NUC	NUW	ETAMO	NURATIO	DY/DX
0.	4.0000E-03	0.	0.	2.7778E 04	3.990AE 00	5.1673E 06
10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	2.7742E 04	3.990AE 00	5.2596E 06
2.0000E-12	4.0105E-03	4.9869E-10	4.9869E-10	2.7705E 04	3.990AE 00	5.0709E 06

3.0000E=12	4.0154E=03	7.4711E=10	7.4711E=10	2.7671E 04	3.9906E 00	5.1458E 06
4.0000E=12	4.0206E=03	9.9487E=10	9.9487E=10	2.7635E 04	3.9906E 00	5.2510E 06
6.0000E=12	4.0314E=03	1.4883E=09	1.4883E=09	2.7562E 04	3.9906E 00	5.1792E 06
8.0000E=12	4.0417E=03	1.9794E=09	1.9794E=09	2.7491E 04	3.9906E 00	5.0741E 06
1.0000E=11	4.0517E=03	2.4681E=09	2.4681E=09	2.7423E 04	3.9906E 00	4.9651E 06
1.4000E=11	4.0711E=03	3.4389E=09	3.4389E=09	2.7329E 04	3.9906E 00	4.9653E 06
2.2000E=11	4.1108E=03	5.3517E=09	5.3517E=09	2.7029E 04	3.9906E 00	4.7986E 06
3.0000E=11	4.1486E=03	7.2314E=09	7.2314E=09	2.6783E 04	3.9906E 00	4.7803E 06
3.8000E=11	4.1867E=03	9.0763E=09	9.0763E=09	2.6539E 04	3.9906E 00	4.5731E 06
4.6000E=11	4.2219E=03	1.0896E=08	1.0896E=08	2.6318E 04	3.9906E 00	4.4351E 06
5.4000E=11	4.2570E=03	1.2685E=08	1.2685E=08	2.6101E 04	3.9906E 00	4.3293E 06
6.2000E=11	4.2913E=03	1.4448E=08	1.4448E=08	2.5892E 04	3.9906E 00	4.2018E 06
7.0000E=11	4.3244E=03	1.6187E=08	1.6187E=08	2.5694E 04	3.9906E 00	4.2010E 06
8.6000E=11	4.3916E=03	1.9583E=08	1.9583E=08	2.5301E 04	3.9906E 00	3.9507E 06
1.0200E=10	4.4511E=03	2.2916E=08	2.2916E=08	2.4963E 04	3.9906E 00	3.7471E 06
1.1800E=10	4.5098E=03	2.6165E=08	2.6165E=08	2.4638E 04	3.9906E 00	3.6882E 06
1.3400E=10	4.5698E=03	2.9323E=08	2.9323E=08	2.4314E 04	3.9906E 00	3.4591E 06
1.5000E=10	4.6222E=03	3.2452E=08	3.2452E=08	2.4039E 04	3.9906E 00	3.3607E 06
1.6600E=10	4.6752E=03	3.5506E=08	3.5506E=08	2.3766E 04	3.9906E 00	3.3017E 06
1.8200E=10	4.7278E=03	3.8496E=08	3.8496E=08	2.3502E 04	3.9906E 00	3.1505E 06
1.9800E=10	4.7764E=03	4.1454E=08	4.1454E=08	2.3263E 04	3.9906E 00	3.1024E 06
2.1400E=10	4.8257E=03	4.4346E=08	4.4346E=08	2.3025E 04	3.9906E 00	2.9943E 06
2.3000E=10	4.8723E=03	4.7206E=08	4.7206E=08	2.2805E 04	3.9906E 00	2.8447E 06
2.4600E=10	4.9165E=03	5.0035E=08	5.0035E=08	2.2600E 04	3.9906E 00	2.8071E 06
2.6200E=10	4.9611E=03	5.2811E=08	5.2811E=08	2.2397E 04	3.9906E 00	2.7192E 06
2.7800E=10	5.0036E=03	5.5560E=08	5.5560E=08	2.2206E 04	3.9906E 00	2.6614E 06
2.9400E=10	5.0459E=03	5.8265E=08	5.8265E=08	2.2020E 04	3.9906E 00	2.6123E 06
3.1000E=10	5.0874E=03	6.0935E=08	6.0935E=08	2.1841E 04	3.9906E 00	2.5540E 06
3.2600E=10	5.1277E=03	6.3576E=08	6.3576E=08	2.1669E 04	3.9906E 00	2.4836E 06
3.5800E=10	5.2044E=03	6.8788E=08	6.8788E=08	2.1350E 04	3.9906E 00	2.3561E 06
4.2200E=10	5.3471E=03	7.8921E=08	7.8921E=08	2.0780E 04	3.9906E 00	2.1933E 06
4.8600E=10	5.4869E=03	8.8575E=08	8.8575E=08	2.0251E 04	3.9906E 00	2.0214E 06
5.5000E=10	5.6105E=03	9.8030E=08	9.8030E=08	1.9804E 04	3.9906E 00	1.8917E 06
6.1400E=10	5.7286E=03	1.0718E=07	1.0718E=07	1.9396E 04	3.9906E 00	1.7736E 06
6.7800E=10	5.8386E=03	1.1612E=07	1.1612E=07	1.9031E 04	3.9906E 00	1.6707E 06
7.4200E=10	5.9427E=03	1.2486E=07	1.2486E=07	1.8697E 04	3.9906E 00	1.6054E 06
8.0600E=10	6.0453E=03	1.3333E=07	1.3333E=07	1.8380E 04	3.9906E 00	1.5116E 06
8.7000E=10	6.1383E=03	1.4173E=07	1.4173E=07	1.8102E 04	3.9906E 00	1.4441E 06
9.3400E=10	6.2293E=03	1.4994E=07	1.4994E=07	1.7837E 04	3.9906E 00	1.3916E 06
9.9800E=10	6.3168E=03	1.5799E=07	1.5799E=07	1.7590E 04	3.9906E 00	1.3205E 06
1.0620E=09	6.3972E=03	1.6601E=07	1.6601E=07	1.7369E 04	3.9906E 00	1.2741E 06
1.1260E=09	6.4779E=03	1.7382E=07	1.7382E=07	1.7153E 04	3.9906E 00	1.2256E 06
1.1900E=09	6.5548E=03	1.8155E=07	1.8155E=07	1.6951E 04	3.9906E 00	1.1798E 06
1.2540E=09	6.6289E=03	1.8917E=07	1.8917E=07	1.6762E 04	3.9906E 00	1.1473E 06
1.3180E=09	6.7019E=03	1.9666E=07	1.9666E=07	1.6579E 04	3.9906E 00	1.1066E 06
1.3820E=09	6.7712E=03	2.0410E=07	2.0410E=07	1.6410E 04	3.9906E 00	1.0759E 06
1.4460E=09	6.8393E=03	2.1142E=07	2.1142E=07	1.6246E 04	3.9906E 00	1.0449E 06
1.5740E=09	6.9690E=03	2.2586E=07	2.2586E=07	1.5944E 04	3.9906E 00	9.8194E 05
1.8300E=09	7.2039E=03	2.5403E=07	2.5403E=07	1.5424E 04	3.9906E 00	8.9242E 05
2.0860E=09	7.4322E=03	2.8067E=07	2.8067E=07	1.4950E 04	3.9906E 00	8.1298E 05
2.3420E=09	7.6312E=03	3.0690E=07	3.0690E=07	1.4560E 04	3.9906E 00	7.5277E 05
2.5980E=09	7.8192E=03	3.3226E=07	3.3226E=07	1.4210E 04	3.9906E 00	6.9784E 05
2.8540E=09	7.9913E=03	3.5714E=07	3.5714E=07	1.3904E 04	3.9906E 00	6.5217E 05
3.1100E=09	8.1538E=03	3.8142E=07	3.8142E=07	1.3627E 04	3.9906E 00	6.1418E 05
3.3660E=09	8.3068E=03	4.0521E=07	4.0521E=07	1.3376E 04	3.9906E 00	5.8168E 05
3.6220E=09	8.4519E=03	4.2854E=07	4.2854E=07	1.3147E 04	3.9906E 00	5.5163E 05
3.8780E=09	8.5892E=03	4.5150E=07	4.5150E=07	1.2937E 04	3.9906E 00	5.2620E 05
4.1340E=09	8.7213E=03	4.7401E=07	4.7401E=07	1.2741E 04	3.9906E 00	5.0219E 05
4.3900E=09	8.8470E=03	4.9622E=07	4.9622E=07	1.2560E 04	3.9906E 00	4.8112E 05
4.6460E=09	8.9679E=03	5.1807E=07	5.1807E=07	1.2390E 04	3.9906E 00	4.6227E 05
4.9020E=09	9.0840E=03	5.3963E=07	5.3963E=07	1.2232E 04	3.9906E 00	4.4419E 05
5.1580E=09	9.1953E=03	5.6094E=07	5.6094E=07	1.2084E 04	3.9906E 00	4.2926E 05

5.4140E=09	9.3038E=03	5.8191E=07	5.8191E=07	1.1943E 04	3.9904E 00	4.1391E 05
5.6700E=09	9.4078E=03	6.0269E=07	6.0269E=07	1.1811E 04	3.9904E 00	3.9984E 05
5.9260E=09	9.5084E=03	6.2324E=07	6.2324E=07	1.1686E 04	3.9904E 00	3.8783E 05
6.1820E=09	9.6065E=03	6.4352E=07	6.4352E=07	1.1567E 04	3.9904E 00	3.7596E 05
6.6940E=09	9.7930E=03	6.8355E=07	6.8355E=07	1.1346E 04	3.9904E 00	3.5460E 05
7.2060E=09	9.9700E=03	7.2277E=07	7.2277E=07	1.1145E 04	3.9904E 00	3.3617E 05
7.7180E=09	1.0138E=02	7.6129E=07	7.6129E=07	1.0960E 04	3.9904E 00	3.1995E 05
8.2300E=09	1.0298E=02	7.9918E=07	7.9918E=07	1.0790E 04	3.9904E 00	3.0508E 05
8.7420E=09	1.0451E=02	8.3651E=07	8.3651E=07	1.0632E 04	3.9904E 00	2.9200E 05
9.2540E=09	1.0597E=02	8.7325E=07	8.7325E=07	1.0485E 04	3.9904E 00	2.8017E 05
9.7660E=09	1.0738E=02	9.0950E=07	9.0950E=07	1.0348E 04	3.9904E 00	2.6925E 05
1.0278E=08	1.0873E=02	9.4528E=07	9.4528E=07	1.0219E 04	3.9904E 00	2.5934E 05
1.0790E=08	1.1004E=02	9.8059E=07	9.8059E=07	1.0098E 04	3.9904E 00	2.5013E 05
1.1302E=08	1.1129E=02	1.0155E=06	1.0155E=06	9.9840E 03	3.9904E 00	2.4180E 05
1.1814E=08	1.1251E=02	1.0500E=06	1.0500E=06	9.8758E 03	3.9904E 00	2.3397E 05
1.2326E=08	1.1369E=02	1.0842E=06	1.0842E=06	9.7735E 03	3.9904E 00	2.2682E 05
1.2838E=08	1.1484E=02	1.1179E=06	1.1179E=06	9.6761E 03	3.9904E 00	2.2009E 05
1.3350E=08	1.1595E=02	1.1514E=06	1.1514E=06	9.5834E 03	3.9904E 00	2.1380E 05
1.4374E=08	1.1808E=02	1.2173E=06	1.2174E=06	9.4106E 03	3.9904E 00	2.0245E 05
1.6422E=08	1.2203E=02	1.3458E=06	1.3458E=06	9.1058E 03	3.9904E 00	1.8346E 05
1.8470E=08	1.2562E=02	1.4703E=06	1.4703E=06	8.8456E 03	3.9904E 00	1.6809E 05
2.0518E=08	1.2892E=02	1.5915E=06	1.5915E=06	8.6192E 03	3.9904E 00	1.5556E 05
2.2566E=08	1.3199E=02	1.7096E=06	1.7096E=06	8.4184E 03	3.9904E 00	1.4494E 05
2.4614E=08	1.3486E=02	1.8251E=06	1.8251E=06	8.2394E 03	3.9904E 00	1.3584E 05
2.6662E=08	1.3756E=02	1.9382E=06	1.9382E=06	8.0777E 03	3.9904E 00	1.2802E 05
2.8710E=08	1.4011E=02	2.0491E=06	2.0491E=06	7.9306E 03	3.9904E 00	1.2118E 05
3.0758E=08	1.4253E=02	2.1580E=06	2.1580E=06	7.7961E 03	3.9904E 00	1.1508E 05
3.2806E=08	1.4483E=02	2.2651E=06	2.2651E=06	7.6724E 03	3.9904E 00	1.0971E 05
3.4854E=08	1.4703E=02	2.3705E=06	2.3705E=06	7.5576E 03	3.9904E 00	1.0484E 05
3.6902E=08	1.4913E=02	2.4745E=06	2.4745E=06	7.4513E 03	3.9904E 00	1.0048E 05
4.0998E=08	1.5309E=02	2.6780E=06	2.6780E=06	7.2584E 03	3.9904E 00	9.2891E 04
4.5094E=08	1.5676E=02	2.8766E=06	2.8766E=06	7.0884E 03	3.9904E 00	8.6499E 04
4.9190E=08	1.6019E=02	3.0708E=06	3.0708E=06	6.9369E 03	3.9904E 00	8.1080E 04
5.3286E=08	1.6341E=02	3.2608E=06	3.2608E=06	6.8000E 03	3.9904E 00	7.6377E 04
5.7382E=08	1.6645E=02	3.4473E=06	3.4473E=06	6.6758E 03	3.9904E 00	7.2264E 04
6.1478E=08	1.6934E=02	3.6305E=06	3.6305E=06	6.5622E 03	3.9904E 00	6.8637E 04
6.5574E=08	1.7208E=02	3.8106E=06	3.8106E=06	6.4575E 03	3.9904E 00	6.5406E 04
7.3766E=08	1.7720E=02	4.1628E=06	4.1628E=06	6.2709E 03	3.9904E 00	5.9897E 04
8.1958E=08	1.8192E=02	4.5052E=06	4.5052E=06	6.1084E 03	3.9904E 00	5.5359E 04
9.8342E=08	1.9049E=02	5.1624E=06	5.1625E=06	5.8335E 03	3.9904E 00	4.8212E 04
1.1473E=07	1.9784E=02	5.7990E=06	5.7990E=06	5.6170E 03	3.9904E 00	4.3043E 04
1.3111E=07	2.0455E=02	6.4098E=06	6.4098E=06	5.4328E 03	3.9904E 00	3.8945E 04
1.4749E=07	2.1061E=02	7.0032E=06	7.0032E=06	5.2765E 03	3.9904E 00	3.5680E 04
1.6388E=07	2.1630E=02	7.5763E=06	7.5763E=06	5.1376E 03	3.9904E 00	3.2936E 04
1.8026E=07	2.2149E=02	8.1387E=06	8.1387E=06	5.0174E 03	3.9904E 00	3.0678E 04
1.9665E=07	2.2636E=02	8.6873E=06	8.6874E=06	4.9094E 03	3.9904E 00	2.8739E 04
2.1303E=07	2.3091E=02	9.2255E=06	9.2256E=06	4.8127E 03	3.9904E 00	2.7071E 04
2.2941E=07	2.3523E=02	9.7528E=06	9.7529E=06	4.7244E 03	3.9904E 00	2.5610E 04
2.4580E=07	2.3931E=02	1.0271E=05	1.0271E=05	4.6438E 03	3.9904E 00	2.4321E 04
2.6218E=07	2.4320E=02	1.0780E=05	1.0780E=05	4.5695E 03	3.9904E 00	2.3172E 04
2.9495E=07	2.5046E=02	1.1776E=05	1.1776E=05	4.4372E 03	3.9904E 00	2.1217E 04
3.2772E=07	2.5714E=02	1.2745E=05	1.2745E=05	4.3220E 03	3.9904E 00	1.9607E 04
3.6049E=07	2.6334E=02	1.3689E=05	1.3689E=05	4.2203E 03	3.9904E 00	1.8255E 04
3.9325E=07	2.6913E=02	1.4612E=05	1.4612E=05	4.1296E 03	3.9904E 00	1.7102E 04
4.2602E=07	2.7456E=02	1.5516E=05	1.5517E=05	4.0479E 03	3.9904E 00	1.6107E 04
4.5879E=07	2.7969E=02	1.6403E=05	1.6403E=05	3.9736E 03	3.9904E 00	1.5237E 04
5.2433E=07	2.8917E=02	1.8132E=05	1.8132E=05	3.8435E 03	3.9904E 00	1.3788E 04
5.8986E=07	2.9779E=02	1.9808E=05	1.9808E=05	3.7323E 03	3.9904E 00	1.2626E 04
6.5540E=07	3.0575E=02	2.1436E=05	2.1436E=05	3.6352E 03	3.9904E 00	1.1665E 04
7.2093E=07	3.1312E=02	2.3024E=05	2.3024E=05	3.5496E 03	3.9904E 00	1.0861E 04
7.8647E=07	3.2001E=02	2.4576E=05	2.4576E=05	3.4732E 03	3.9904E 00	1.0174E 04
8.5201E=07	3.2647E=02	2.6097E=05	2.6098E=05	3.4046E 03	3.9904E 00	9.5827E 03

9.1754E-07	3.3258E-02	2.7588E-05	2.7589E-05	3.3421E-03	3.9904E-00	9.0643E-03
1.0486E-06	3.4386E-02	3.0495E-05	3.0496E-05	3.2326E-03	3.9904E-00	8.2018E-03
1.1797E-06	3.5415E-02	3.3310E-05	3.3310E-05	3.1387E-03	3.9904E-00	7.5075E-03
1.3108E-06	3.6362E-02	3.6047E-05	3.6048E-05	3.0570E-03	3.9904E-00	6.9368E-03
1.4418E-06	3.7239E-02	3.8718E-05	3.8719E-05	2.9851E-03	3.9904E-00	6.4584E-03
1.7040E-06	3.8819E-02	4.3895E-05	4.3895E-05	2.8637E-03	3.9904E-00	5.7017E-03
1.9661E-06	4.0226E-02	4.8877E-05	4.8878E-05	2.7637E-03	3.9904E-00	5.1248E-03
2.2283E-06	4.1511E-02	5.3678E-05	5.3679E-05	2.6782E-03	3.9904E-00	4.6635E-03
2.4904E-06	4.2684E-02	5.8344E-05	5.8345E-05	2.6047E-03	3.9904E-00	4.2898E-03
2.7525E-06	4.3769E-02	6.2888E-05	6.2889E-05	2.5402E-03	3.9904E-00	3.9790E-03
3.0147E-06	4.4771E-02	6.7335E-05	6.7336E-05	2.4834E-03	3.9904E-00	3.7178E-03
3.2768E-06	4.5718E-02	7.1675E-05	7.1676E-05	2.4321E-03	3.9904E-00	3.4919E-03
3.5390E-06	4.6606E-02	7.5934E-05	7.5935E-05	2.3858E-03	3.9904E-00	3.2963E-03
3.8011E-06	4.7447E-02	8.0112E-05	8.0114E-05	2.3435E-03	3.9904E-00	3.1242E-03
4.0633E-06	4.8245E-02	8.4220E-05	8.4222E-05	2.3048E-03	3.9904E-00	2.9718E-03
4.3254E-06	4.9006E-02	8.8262E-05	8.8263E-05	2.2691E-03	3.9904E-00	2.8397E-03
4.8497E-06	5.0429E-02	9.6167E-05	9.6170E-05	2.2052E-03	3.9904E-00	2.6025E-03
5.3740E-06	5.1742E-02	1.0386E-04	1.0386E-04	2.1493E-03	3.9904E-00	2.4097E-03
5.8983E-06	5.2962E-02	1.1137E-04	1.1137E-04	2.0999E-03	3.9904E-00	2.2471E-03
6.4226E-06	5.4103E-02	1.1871E-04	1.1871E-04	2.0557E-03	3.9904E-00	2.1081E-03
6.9469E-06	5.5176E-02	1.2590E-04	1.2591E-04	2.0158E-03	3.9904E-00	1.9877E-03
7.9954E-06	5.7150E-02	1.3990E-04	1.3990E-04	1.9463E-03	3.9904E-00	1.7890E-03
9.0440E-06	5.8941E-02	1.5344E-04	1.5344E-04	1.8873E-03	3.9904E-00	1.6310E-03
1.0093E-05	6.0584E-02	1.6659E-04	1.6659E-04	1.8362E-03	3.9904E-00	1.5021E-03
1.1141E-05	6.2100E-02	1.7940E-04	1.7941E-04	1.7915E-03	3.9904E-00	1.3949E-03
1.2190E-05	6.3514E-02	1.9192E-04	1.9192E-04	1.7517E-03	3.9904E-00	1.3039E-03
1.3238E-05	6.4839E-02	2.0417E-04	2.0418E-04	1.7160E-03	3.9904E-00	1.2258E-03
1.4287E-05	6.6090E-02	2.1617E-04	2.1618E-04	1.6836E-03	3.9904E-00	1.1576E-03
1.5335E-05	6.7271E-02	2.2796E-04	2.2797E-04	1.6541E-03	3.9904E-00	1.0978E-03
1.6384E-05	6.8395E-02	2.3955E-04	2.3956E-04	1.6271E-03	3.9904E-00	1.0447E-03
1.8481E-05	7.0486E-02	2.6219E-04	2.6220E-04	1.5789E-03	3.9904E-00	9.5462E-02
2.0578E-05	7.2409E-02	2.8419E-04	2.8420E-04	1.5371E-03	3.9904E-00	8.8073E-02
2.2675E-05	7.4191E-02	3.0563E-04	3.0564E-04	1.5003E-03	3.9904E-00	8.1892E-02
2.4773E-05	7.5852E-02	3.2658E-04	3.2660E-04	1.4676E-03	3.9904E-00	7.6643E-02
2.8967E-05	7.8877E-02	3.6723E-04	3.6725E-04	1.4115E-03	3.9904E-00	6.8178E-02
3.3161E-05	8.1580E-02	4.0648E-04	4.0650E-04	1.3650E-03	3.9904E-00	6.1642E-02
3.7356E-05	8.4060E-02	4.4438E-04	4.4441E-04	1.3249E-03	3.9904E-00	5.6362E-02
4.1550E-05	8.6330E-02	4.8128E-04	4.8131E-04	1.2902E-03	3.9904E-00	5.2045E-02
4.5744E-05	8.8440E-02	5.1722E-04	5.1725E-04	1.2596E-03	3.9904E-00	4.8419E-02
4.9938E-05	9.0403E-02	5.5238E-04	5.5242E-04	1.2324E-03	3.9904E-00	4.5344E-02
5.4133E-05	9.2251E-02	5.8678E-04	5.8682E-04	1.2078E-03	3.9904E-00	4.2682E-02
6.2521E-05	9.5634E-02	6.5373E-04	6.5378E-04	1.1653E-03	3.9904E-00	3.8327E-02
7.0910E-05	9.8705E-02	7.1837E-04	7.1843E-04	1.1293E-03	3.9904E-00	3.4873E-02
7.9299E-05	1.0151E-01	7.8113E-04	7.8120E-04	1.0983E-03	3.9904E-00	3.2071E-02
8.7687E-05	1.0410E-01	8.4226E-04	8.4234E-04	1.0711E-03	3.9904E-00	2.9746E-02
9.6076E-05	1.0651E-01	9.0199E-04	9.0208E-04	1.0471E-03	3.9904E-00	2.7784E-02
1.0446E-04	1.0877E-01	9.6038E-04	9.6048E-04	1.0255E-03	3.9904E-00	2.6097E-02
1.1285E-04	1.1089E-01	1.0176E-03	1.0177E-03	1.0060E-03	3.9904E-00	2.4634E-02
1.2124E-04	1.1291E-01	1.0738E-03	1.0739E-03	9.8823E-02	3.9904E-00	2.3346E-02
1.3802E-04	1.1663E-01	1.1833E-03	1.1834E-03	9.5692E-02	3.9904E-00	2.1192E-02
1.5480E-04	1.2004E-01	1.2895E-03	1.2896E-03	9.3000E-02	3.9904E-00	1.9448E-02
1.7157E-04	1.2318E-01	1.3928E-03	1.3930E-03	9.0652E-02	3.9904E-00	1.8087E-02
1.8835E-04	1.2609E-01	1.4936E-03	1.4938E-03	8.8577E-02	3.9904E-00	1.6795E-02
2.2190E-04	1.3137E-01	1.6890E-03	1.6893E-03	8.5057E-02	3.9904E-00	1.4865E-02
2.5546E-04	1.3607E-01	1.8772E-03	1.8776E-03	8.2154E-02	3.9904E-00	1.3388E-02
2.8901E-04	1.4037E-01	2.0587E-03	2.0591E-03	7.9666E-02	3.9904E-00	1.2204E-02
3.2257E-04	1.4430E-01	2.2351E-03	2.2356E-03	7.7525E-02	3.9904E-00	1.1242E-02
3.5612E-04	1.4795E-01	2.4069E-03	2.4073E-03	7.5642E-02	3.9904E-00	1.0439E-02
3.8968E-04	1.5131E-01	2.5751E-03	2.5756E-03	7.3984E-02	3.9904E-00	9.7645E-01
4.2323E-04	1.5450E-01	2.7391E-03	2.7397E-03	7.2482E-02	3.9904E-00	9.1789E-01
4.5679E-04	1.5748E-01	2.9002E-03	2.9008E-03	7.1128E-02	3.9904E-00	8.6716E-01
4.9034E-04	1.6032E-01	3.0582E-03	3.0589E-03	6.9891E-02	3.9904E-00	8.2246E-01

5.2389E-04	1.6301E-01	3.2135E-03	3.2143E-03	6.8757E-02	3.9906E-00	7.8285E-01
5.9745E-04	1.6558E-01	3.3663E-03	3.3671E-03	6.7710E-02	3.9906E-00	7.4741E-01
6.2456E-04	1.7038E-01	3.6652E-03	3.6662E-03	6.9836E-02	3.9906E-00	6.8670E-01
6.9167E-04	1.7481E-01	3.9561E-03	3.9571E-03	6.4197E-02	3.9906E-00	6.3637E-01
7.5878E-04	1.7894E-01	4.2398E-03	4.2410E-03	6.2746E-02	3.9906E-00	5.9392E-01
8.2588E-04	1.8280E-01	4.5173E-03	4.5186E-03	6.1449E-02	3.9906E-00	5.5758E-01
9.6010E-04	1.8986E-01	5.0560E-03	5.0576E-03	5.9214E-02	3.9906E-00	4.9850E-01
1.0943E-03	1.9621E-01	5.5765E-03	5.5784E-03	5.7345E-02	3.9906E-00	4.5243E-01
1.2285E-03	2.0204E-01	6.0797E-03	6.0819E-03	5.5732E-02	3.9906E-00	4.1501E-01
1.3628E-03	2.0739E-01	6.5697E-03	6.5722E-03	5.4331E-02	3.9906E-00	3.8423E-01
1.6312E-03	2.1711E-01	7.5117E-03	7.5148E-03	5.1968E-02	3.9906E-00	3.3581E-01
1.8996E-03	2.2568E-01	8.4153E-03	8.4191E-03	5.0055E-02	3.9906E-00	2.9970E-01
2.1681E-03	2.3331E-01	9.2906E-03	9.2949E-03	4.8474E-02	3.9906E-00	2.7189E-01
2.4365E-03	2.4032E-01	1.0136E-02	1.0141E-02	4.7110E-02	3.9906E-00	2.4932E-01
2.7049E-03	2.4674E-01	1.0960E-02	1.0965E-02	4.5929E-02	3.9906E-00	2.3081E-01
2.9734E-03	2.5275E-01	1.1761E-02	1.1767E-02	4.4881E-02	3.9906E-00	2.1515E-01
3.5102E-03	2.6355E-01	1.3315E-02	1.3323E-02	4.3118E-02	3.9906E-00	1.9045E-01
4.0471E-03	2.7324E-01	1.4807E-02	1.4816E-02	4.1658E-02	3.9906E-00	1.7147E-01
4.5840E-03	2.8205E-01	1.6247E-02	1.6258E-02	4.0419E-02	3.9906E-00	1.5638E-01
5.1209E-03	2.9011E-01	1.7645E-02	1.7658E-02	3.9354E-02	3.9906E-00	1.4414E-01
5.6577E-03	2.9756E-01	1.9007E-02	1.9021E-02	3.8422E-02	3.9906E-00	1.3395E-01
6.1946E-03	3.0451E-01	2.0335E-02	2.0351E-02	3.7595E-02	3.9906E-00	1.2532E-01
6.7315E-03	3.1105E-01	2.1633E-02	2.1650E-02	3.6851E-02	3.9906E-00	1.1799E-01
7.2683E-03	3.1720E-01	2.2905E-02	2.2924E-02	3.6181E-02	3.9906E-00	1.1143E-01
8.3421E-03	3.2858E-01	2.5377E-02	2.5400E-02	3.5008E-02	3.9906E-00	1.0072E-01
9.4158E-03	3.3890E-01	2.7770E-02	2.7797E-02	3.4015E-02	3.9906E-00	9.2191E-02
1.0490E-02	3.4840E-01	3.0093E-02	3.0123E-02	3.3155E-02	3.9906E-00	8.5200E-02
1.1563E-02	3.5723E-01	3.2353E-02	3.2387E-02	3.2399E-02	3.9906E-00	7.9349E-02
1.2637E-02	3.6549E-01	3.4557E-02	3.4595E-02	3.1725E-02	3.9906E-00	7.4364E-02
1.3711E-02	3.7323E-01	3.6714E-02	3.6756E-02	3.1122E-02	3.9906E-00	7.0081E-02
1.5858E-02	3.8752E-01	4.0898E-02	4.0948E-02	3.0075E-02	3.9906E-00	6.3036E-02
1.8006E-02	4.0040E-01	4.4940E-02	4.4998E-02	2.9198E-02	3.9906E-00	5.7503E-02
2.0153E-02	4.1225E-01	4.8853E-02	4.8920E-02	2.8443E-02	3.9906E-00	5.3002E-02
2.2301E-02	4.2320E-01	5.2657E-02	5.2733E-02	2.7784E-02	3.9906E-00	4.9266E-02
2.4448E-02	4.3347E-01	5.6358E-02	5.6443E-02	2.7198E-02	3.9906E-00	4.6093E-02
2.6596E-02	4.4305E-01	5.9982E-02	6.0075E-02	2.6678E-02	3.9906E-00	4.3399E-02
2.8743E-02	4.5212E-01	6.3523E-02	6.3625E-02	2.6206E-02	3.9906E-00	4.1031E-02
3.0891E-02	4.6070E-01	6.6996E-02	6.7108E-02	2.5779E-02	3.9906E-00	3.8965E-02
3.3038E-02	4.6887E-01	7.0403E-02	7.0524E-02	2.5388E-02	3.9906E-00	3.7133E-02
3.7333E-02	4.8411E-01	7.7047E-02	7.7188E-02	2.4695E-02	3.9906E-00	3.4030E-02
4.1628E-02	4.9814E-01	8.3487E-02	8.3647E-02	2.4097E-02	3.9906E-00	3.1492E-02
4.5923E-02	5.1122E-01	8.9740E-02	8.9919E-02	2.3572E-02	3.9906E-00	2.9364E-02
5.0218E-02	5.2343E-01	9.5841E-02	9.6040E-02	2.3108E-02	3.9906E-00	2.7561E-02
5.4513E-02	5.3493E-01	1.0180E-01	1.0202E-01	2.2691E-02	3.9906E-00	2.6006E-02
5.8808E-02	5.4579E-01	1.0763E-01	1.0787E-01	2.2316E-02	3.9906E-00	2.4653E-02
6.3103E-02	5.5612E-01	1.1334E-01	1.1360E-01	2.1973E-02	3.9906E-00	2.3458E-02
7.1693E-02	5.7535E-01	1.2446E-01	1.2476E-01	2.1371E-02	3.9906E-00	2.1451E-02
8.0283E-02	5.9305E-01	1.3520E-01	1.3555E-01	2.0856E-02	3.9906E-00	1.9820E-02
8.8873E-02	6.0949E-01	1.4562E-01	1.4601E-01	2.0406E-02	3.9906E-00	1.8444E-02
9.7463E-02	6.2484E-01	1.5576E-01	1.5619E-01	2.0011E-02	3.9906E-00	1.7320E-02
1.0605E-01	6.3930E-01	1.6565E-01	1.6613E-01	1.9658E-02	3.9906E-00	1.6337E-02
1.2323E-01	6.6584E-01	1.8479E-01	1.8536E-01	1.9054E-02	3.9906E-00	1.4739E-02
1.4041E-01	6.8996E-01	2.0318E-01	2.0384E-01	1.8552E-02	3.9906E-00	1.3485E-02
1.5759E-01	7.1226E-01	2.2088E-01	2.2163E-01	1.8122E-02	3.9906E-00	1.2465E-02
1.7477E-01	7.3290E-01	2.3805E-01	2.3888E-01	1.7751E-02	3.9906E-00	1.1624E-02
1.9195E-01	7.5226E-01	2.5470E-01	2.5563E-01	1.7425E-02	3.9906E-00	1.0913E-02
2.0913E-01	7.7043E-01	2.7094E-01	2.7196E-01	1.7136E-02	3.9906E-00	1.0306E-02
2.2631E-01	7.8769E-01	2.8675E-01	2.8787E-01	1.6876E-02	3.9906E-00	9.7777E-03
2.6067E-01	8.1966E-01	3.1737E-01	3.1867E-01	1.6430E-02	3.9906E-00	8.9066E-03
2.9503E-01	8.4901E-01	3.4675E-01	3.4825E-01	1.6056E-02	3.9906E-00	8.2121E-03
3.2939E-01	8.7627E-01	3.7506E-01	3.7674E-01	1.5735E-02	3.9906E-00	7.6430E-03
3.6375E-01	9.0168E-01	4.0248E-01	4.0435E-01	1.5458E-02	3.9906E-00	7.1690E-03

3.9811E-01	9.2561E-01	4.2908E-01	4.3113E-01	1.5215E 02	3.9906E 00	6.7656E-01
4.6683E-01	9.6959E-01	4.8026E-01	4.8268E-01	1.4807E 02	3.9906E 00	6.1175E-01
5.3555E-01	1.0097E 00	5.2903E-01	5.3183E-01	1.4474E 02	3.9906E 00	5.6146E-01
6.0427E-01	1.0469E 00	5.7562E-01	5.7879E-01	1.4195E 02	3.9906E 00	5.2086E-01
6.7299E-01	1.0815E 00	6.2049E-01	6.2402E-01	1.3958E 02	3.9906E 00	4.8793E-01
7.4171E-01	1.1141E 00	6.6383E-01	6.6771E-01	1.3754E 02	3.9906E 00	4.5996E-01
8.1043E-01	1.1447E 00	7.0584E-01	7.1008E-01	1.3576E 02	3.9906E 00	4.3575E-01
8.7915E-01	1.1740E 00	7.4657E-01	7.5116E-01	1.3418E 02	3.9906E 00	4.1510E-01
9.4787E-01	1.2019E 00	7.8620E-01	7.9114E-01	1.3277E 02	3.9906E 00	3.9704E-01
1.0166E 00	1.2286E 00	8.2479E-01	8.3008E-01	1.3151E 02	3.9906E 00	3.8107E-01
1.1540E 00	1.2790E 00	8.9929E-01	9.0524E-01	1.2934E 02	3.9906E 00	3.5407E-01
1.2915E 00	1.3261E 00	9.7054E-01	9.7715E-01	1.2753E 02	3.9906E 00	3.3201E-01
1.5663E 00	1.4127E 00	1.1048E 00	1.1127E 00	1.2467E 02	3.9906E 00	2.9787E-01
1.8412E 00	1.4916E 00	1.2298E 00	1.2389E 00	1.2251E 02	3.9906E 00	2.7241E-01
2.1161E 00	1.5634E 00	1.3484E 00	1.3587E 00	1.2085E 02	3.9906E 00	2.5290E-01
2.3910E 00	1.6306E 00	1.4606E 00	1.4720E 00	1.1951E 02	3.9906E 00	2.3713E-01
2.6659E 00	1.6939E 00	1.5676E 00	1.5800E 00	1.1841E 02	3.9906E 00	2.2410E-01
2.9407E 00	1.7541E 00	1.6698E 00	1.6832E 00	1.1750E 02	3.9906E 00	2.1307E-01
3.2156E 00	1.8113E 00	1.7681E 00	1.7825E 00	1.1674E 02	3.9906E 00	2.0365E-01
3.4905E 00	1.8662E 00	1.8627E 00	1.8780E 00	1.1608E 02	3.9906E 00	1.9544E-01
4.0402E 00	1.9696E 00	2.0427E 00	2.0598E 00	1.1504E 02	3.9906E 00	1.8183E-01
4.5900E 00	2.0665E 00	2.2117E 00	2.2305E 00	1.1425E 02	3.9906E 00	1.7089E-01
5.1398E 00	2.1580E 00	2.3715E 00	2.3918E 00	1.1363E 02	3.9906E 00	1.6185E-01
5.6895E 00	2.2448E 00	2.5236E 00	2.5454E 00	1.1314E 02	3.9906E 00	1.5422E-01
6.2393E 00	2.3278E 00	2.6687E 00	2.6920E 00	1.1275E 02	3.9906E 00	1.4747E-01
7.3388E 00	2.4846E 00	2.9408E 00	2.9666E 00	1.1217E 02	3.9906E 00	1.3686E-01
8.4383E 00	2.6297E 00	3.1947E 00	3.2230E 00	1.1178E 02	3.9906E 00	1.2834E-01
9.5378E 00	2.7667E 00	3.4321E 00	3.4626E 00	1.1150E 02	3.9906E 00	1.2131E-01
1.0637E 01	2.8967E 00	3.6599E 00	3.6885E 00	1.1129E 02	3.9906E 00	1.1539E-01
1.1737E 01	3.0208E 00	3.8680E 00	3.9026E 00	1.1114E 02	3.9906E 00	1.1030E-01
1.2836E 01	3.1396E 00	4.0702E 00	4.1067E 00	1.1103E 02	3.9906E 00	1.0586E-01
1.5035E 01	3.3641E 00	4.4493E 00	4.4893E 00	1.1088E 02	3.9906E 00	9.8435E-02
1.7234E 01	3.5737E 00	4.8010E 00	4.8442E 00	1.1079E 02	3.9906E 00	9.2428E-02
1.9433E 01	3.7709E 00	5.1384E 00	5.1766E 00	1.1073E 02	3.9906E 00	8.7429E-02
2.1632E 01	3.9585E 00	5.4483E 00	5.4894E 00	1.1069E 02	3.9906E 00	8.3163E-02
2.3831E 01	4.1372E 00	5.7344E 00	5.7862E 00	1.1067E 02	3.9906E 00	7.9472E-02
2.6030E 01	4.3084E 00	6.0147E 00	6.0690E 00	1.1065E 02	3.9906E 00	7.6233E-02
2.8229E 01	4.4727E 00	6.2831E 00	6.3399E 00	1.1064E 02	3.9906E 00	7.3363E-02
3.2628E 01	4.7844E 00	6.7888E 00	6.8502E 00	1.1063E 02	3.9906E 00	6.8470E-02
3.7026E 01	5.0768E 00	7.2603E 00	7.3260E 00	1.1062E 02	3.9906E 00	6.4433E-02
4.1424E 01	5.3524E 00	7.7044E 00	7.7741E 00	1.1062E 02	3.9906E 00	6.1034E-02
4.5822E 01	5.6142E 00	8.1250E 00	8.1984E 00	1.1061E 02	3.9906E 00	5.8115E-02
5.4618E 01	6.1020E 00	8.9105E 00	8.9911E 00	1.1061E 02	3.9906E 00	5.3348E-02
6.3414E 01	6.5525E 00	9.6343E 00	9.7214E 00	1.1061E 02	3.9906E 00	4.9577E-02

A = 10.0000E-04

B = 3.0000E-03

EPS = 1.7700E-05

GAM = 10.0000E-03

X	Y	NUC	NUW	ETAMO	NURATIO	DY/DX
0.	4.0000E-03	0.	0.	8.3334E 03	0.	5.1673E 06
10.0000E-13	4.0052E-03	2.4968E-10	2.4968E-10	6.3103E 03	4.1357E 00	5.2596E 06
2.0000E-12	4.0105E-03	4.9869E-10	4.9869E-10	6.6194E 03	4.9117E 00	5.0709E 06
3.0000E-12	4.0154E-03	7.4711E-10	7.4711E-10	6.7723E 03	5.4289E 00	5.1458E 06
4.0000E-12	4.0206E-03	9.9487E-10	9.9487E-10	6.8676E 03	5.8267E 00	5.2510E 06
6.0000E-12	4.0314E-03	1.4883E-09	1.4883E-09	6.9827E 03	6.4304E 00	5.1792E 06
8.0000E-12	4.0417E-03	1.9794E-09	1.9794E-09	7.0508E 03	6.8925E 00	5.0741E 06
1.0000E-11	4.0517E-03	2.4681E-09	2.4681E-09	7.0954E 03	7.2499E 00	4.9651E 06
1.4000E-11	4.0711E-03	3.4389E-09	3.4389E-09	7.1475E 03	7.8702E 00	4.9653E 06
2.2000E-11	4.1108E-03	5.3517E-09	5.3517E-09	7.1795E 03	8.7264E 00	4.7986E 06
3.0000E-11	4.1486E-03	7.2314E-09	7.2314E-09	7.1751E 03	9.3444E 00	4.7803E 06
3.8000E-11	4.1867E-03	9.0763E-09	9.0763E-09	7.1512E 03	9.8220E 00	4.5731E 06
4.6000E-11	4.2219E-03	1.0896E-08	1.0896E-08	7.1228E 03	1.0218E 01	4.4351E 06
5.4000E-11	4.2570E-03	1.2685E-08	1.2685E-08	7.0879E 03	1.0548E 01	4.3283E 06
6.2000E-11	4.2913E-03	1.4448E-08	1.4448E-08	7.0505E 03	1.0831E 01	4.2018E 06
7.0000E-11	4.3244E-03	1.6187E-08	1.6187E-08	7.0126E 03	1.1080E 01	4.2010E 06
8.6000E-11	4.3916E-03	1.9583E-08	1.9583E-08	6.9295E 03	1.1484E 01	3.9503E 06
1.0200E-10	4.4511E-03	2.2916E-08	2.2916E-08	6.8556E 03	1.1824E 01	3.7471E 06
1.1800E-10	4.5098E-03	2.6165E-08	2.6165E-08	6.7809E 03	1.2104E 01	3.6882E 06
1.3400E-10	4.5698E-03	2.9323E-08	2.9323E-08	6.7028E 03	1.2332E 01	3.4591E 06
1.5000E-10	4.6222E-03	3.2452E-08	3.2452E-08	6.6366E 03	1.2541E 01	3.3607E 06
1.6600E-10	4.6752E-03	3.5506E-08	3.5507E-08	6.5692E 03	1.2717E 01	3.3017E 06
1.8200E-10	4.7278E-03	3.8496E-08	3.8496E-08	6.5026E 03	1.2868E 01	3.1505E 06
1.9800E-10	4.7764E-03	4.1454E-08	4.1454E-08	6.4424E 03	1.3009E 01	3.1024E 06
2.1400E-10	4.8257E-03	4.4346E-08	4.4346E-08	6.3814E 03	1.3129E 01	2.9943E 06
2.3000E-10	4.8723E-03	4.7206E-08	4.7206E-08	6.3247E 03	1.3239E 01	2.8467E 06
2.4600E-10	4.9165E-03	5.0035E-08	5.0035E-08	6.2718E 03	1.3344E 01	2.8071E 06
2.6200E-10	4.9611E-03	5.2811E-08	5.2811E-08	6.2188E 03	1.3434E 01	2.7192E 06
2.7800E-10	5.0036E-03	5.5560E-08	5.5560E-08	6.1691E 03	1.3518E 01	2.6614E 06
2.9400E-10	5.0459E-03	5.8265E-08	5.8265E-08	6.1201E 03	1.3594E 01	2.6123E 06
3.1000E-10	5.0874E-03	6.0935E-08	6.0935E-08	6.0726E 03	1.3662E 01	2.5540E 06
3.2600E-10	5.1277E-03	6.3576E-08	6.3576E-08	6.0271E 03	1.3724E 01	2.4836E 06
3.5800E-10	5.2044E-03	6.8788E-08	6.8788E-08	5.9423E 03	1.3844E 01	2.3561E 06
4.2200E-10	5.3471E-03	7.8921E-08	7.8921E-08	5.7900E 03	1.4040E 01	2.1933E 06
4.8600E-10	5.4869E-03	8.8575E-08	8.8575E-08	5.6466E 03	1.4174E 01	2.0214E 06
5.5000E-10	5.6105E-03	9.8030E-08	9.8030E-08	5.5258E 03	1.4297E 01	1.8917E 06
6.1400E-10	5.7286E-03	1.0718E-07	1.0718E-07	5.4146E 03	1.4394E 01	1.7736E 06
6.7800E-10	5.8386E-03	1.1612E-07	1.1612E-07	5.3148E 03	1.4479E 01	1.6701E 06
7.4200E-10	5.9426E-03	1.2486E-07	1.2486E-07	5.2237E 03	1.4548E 01	1.5868E 06
8.0600E-10	6.0423E-03	1.3339E-07	1.3339E-07	5.1391E 03	1.4607E 01	1.5267E 06
8.7000E-10	6.1387E-03	1.4172E-07	1.4172E-07	5.0596E 03	1.4659E 01	1.4460E 06
9.3400E-10	6.2281E-03	1.4997E-07	1.4997E-07	4.9882E 03	1.4704E 01	1.3859E 06
9.9800E-10	6.3154E-03	1.5803E-07	1.5803E-07	4.9201E 03	1.4742E 01	1.3254E 06
1.1260E-09	6.4773E-03	1.7384E-07	1.7384E-07	4.7989E 03	1.4814E 01	1.2236E 06
1.2540E-09	6.6284E-03	1.8919E-07	1.8919E-07	4.6908E 03	1.4871E 01	1.1456E 06
1.3820E-09	6.7716E-03	2.0409E-07	2.0409E-07	4.5926E 03	1.4914E 01	1.0693E 06
1.5100E-09	6.9036E-03	2.1873E-07	2.1873E-07	4.5056E 03	1.4957E 01	1.0131E 06
1.6380E-09	7.0317E-03	2.3295E-07	2.3295E-07	4.4242E 03	1.4986E 01	9.5802E 05
1.7660E-09	7.1508E-03	2.4696E-07	2.4696E-07	4.3511E 03	1.5018E 01	9.0970E 05
1.8940E-09	7.2648E-03	2.6071E-07	2.6071E-07	4.2834E 03	1.5044E 01	8.6840E 05
2.1500E-09	7.4787E-03	2.8748E-07	2.8748E-07	4.1616E 03	1.5082E 01	7.9535E 05
2.4060E-09	7.6738E-03	3.1354E-07	3.1354E-07	4.0566E 03	1.5118E 01	7.3687E 05
2.6620E-09	7.8563E-03	3.3884E-07	3.3884E-07	3.9628E 03	1.5144E 01	6.8919E 05
2.9180E-09	8.0272E-03	3.6351E-07	3.6351E-07	3.8788E 03	1.5166E 01	6.4402E 05
3.1740E-09	8.1852E-03	3.8777E-07	3.8778E-07	3.8044E 03	1.5190E 01	6.0926E 05
3.4300E-09	8.3385E-03	4.1134E-07	4.1134E-07	3.7346E 03	1.5209E 01	5.7624E 05
3.6860E-09	8.4820E-03	4.3457E-07	4.3457E-07	3.6717E 03	1.5218E 01	5.4734E 05

3.3660E-09	8.3068E-03	4.0521E-07	4.0521E-07	3.1777E 07	4.8051E 00	5.8168E 05
3.6220E-09	8.4519E-03	4.2854E-07	4.2854E-07	3.1240E 07	4.8100E 00	5.5163E 05
3.8780E-09	8.5892E-03	4.5150E-07	4.5150E-07	3.0749E 07	4.8146E 00	5.2620E 05
4.1340E-09	8.7213E-03	4.7401E-07	4.7401E-07	3.0289E 07	4.8180E 00	5.0219E 05
4.3900E-09	8.8470E-03	4.9622E-07	4.9622E-07	2.9864E 07	4.8215E 00	4.8112E 05
4.6460E-09	8.9679E-03	5.1807E-07	5.1807E-07	2.9466E 07	4.8244E 00	4.6227E 05
4.9020E-09	9.0840E-03	5.3963E-07	5.3963E-07	2.9094E 07	4.8270E 00	4.4419E 05
5.1580E-09	9.1953E-03	5.6094E-07	5.6094E-07	2.8746E 07	4.8297E 00	4.2926E 05
5.4140E-09	9.3038E-03	5.8191E-07	5.8191E-07	2.8413E 07	4.8315E 00	4.1391E 05
5.6700E-09	9.4078E-03	6.0269E-07	6.0269E-07	2.8102E 07	4.8336E 00	3.9984E 05
5.9260E-09	9.5084E-03	6.2324E-07	6.2324E-07	2.7808E 07	4.8355E 00	3.8783E 05
6.1820E-09	9.6065E-03	6.4352E-07	6.4352E-07	2.7526E 07	4.8370E 00	3.7596E 05
6.6940E-09	9.7930E-03	6.8355E-07	6.8355E-07	2.7007E 07	4.8402E 00	3.5460E 05
7.2060E-09	9.9700E-03	7.2277E-07	7.2277E-07	2.6531E 07	4.8427E 00	3.3617E 05
7.7180E-09	1.0138E-02	7.6129E-07	7.6129E-07	2.6094E 07	4.8448E 00	3.1996E 05
8.2300E-09	1.0298E-02	7.9918E-07	7.9918E-07	2.5691E 07	4.8468E 00	3.0509E 05
8.7420E-09	1.0451E-02	8.3651E-07	8.3651E-07	2.5319E 07	4.8487E 00	2.9200E 05
9.2540E-09	1.0597E-02	8.7325E-07	8.7325E-07	2.4970E 07	4.8501E 00	2.8017E 05
9.7660E-09	1.0738E-02	9.0950E-07	9.0950E-07	2.4645E 07	4.8515E 00	2.6925E 05
1.0278E-08	1.0873E-02	9.4528E-07	9.4528E-07	2.4341E 07	4.8527E 00	2.5934E 05
1.0790E-08	1.1004E-02	9.8059E-07	9.8059E-07	2.4053E 07	4.8538E 00	2.5013E 05
1.1302E-08	1.1129E-02	1.0155E-06	1.0155E-06	2.3782E 07	4.8549E 00	2.4180E 05
1.1814E-08	1.1251E-02	1.0500E-06	1.0500E-06	2.3526E 07	4.8557E 00	2.3397E 05
1.2326E-08	1.1369E-02	1.0842E-06	1.0842E-06	2.3283E 07	4.8567E 00	2.2682E 05
1.2838E-08	1.1484E-02	1.1179E-06	1.1179E-06	2.3052E 07	4.8574E 00	2.2009E 05
1.3350E-08	1.1595E-02	1.1514E-06	1.1514E-06	2.2832E 07	4.8582E 00	2.1380E 05
1.4374E-08	1.1808E-02	1.2173E-06	1.2173E-06	2.2422E 07	4.8595E 00	2.0245E 05
1.6422E-08	1.2203E-02	1.3458E-06	1.3458E-06	2.1698E 07	4.8613E 00	1.8346E 05
1.8470E-08	1.2562E-02	1.4703E-06	1.4703E-06	2.1080E 07	4.8632E 00	1.6810E 05
2.0518E-08	1.2892E-02	1.5915E-06	1.5915E-06	2.0542E 07	4.8649E 00	1.5556E 05
2.2566E-08	1.3199E-02	1.7096E-06	1.7096E-06	2.0065E 07	4.8660E 00	1.4494E 05
2.4614E-08	1.3486E-02	1.8251E-06	1.8251E-06	1.9639E 07	4.8670E 00	1.3584E 05
2.6662E-08	1.3756E-02	1.9382E-06	1.9382E-06	1.9255E 07	4.8679E 00	1.2802E 05
2.8710E-08	1.4011E-02	2.0491E-06	2.0491E-06	1.8905E 07	4.8684E 00	1.2119E 05
3.0758E-08	1.4253E-02	2.1580E-06	2.1580E-06	1.8585E 07	4.8690E 00	1.1508E 05
3.2806E-08	1.4483E-02	2.2651E-06	2.2651E-06	1.8290E 07	4.8696E 00	1.0971E 05
3.4854E-08	1.4703E-02	2.3705E-06	2.3705E-06	1.8017E 07	4.8698E 00	1.0484E 05
3.6902E-08	1.4913E-02	2.4745E-06	2.4745E-06	1.7764E 07	4.8703E 00	1.0048E 05
4.0998E-08	1.5309E-02	2.6780E-06	2.6780E-06	1.7304E 07	4.8707E 00	9.2895E 04
4.5094E-08	1.5676E-02	2.8765E-06	2.8765E-06	1.6900E 07	4.8713E 00	8.6511E 04
4.9190E-08	1.6019E-02	3.0707E-06	3.0707E-06	1.6539E 07	4.8718E 00	8.1068E 04
5.3286E-08	1.6341E-02	3.2608E-06	3.2608E-06	1.6213E 07	4.8722E 00	7.6377E 04
5.7382E-08	1.6646E-02	3.4473E-06	3.4473E-06	1.5917E 07	4.8725E 00	7.2255E 04
6.5574E-08	1.7207E-02	3.8108E-06	3.8108E-06	1.5398E 07	4.8734E 00	6.5417E 04
7.3766E-08	1.7721E-02	4.1626E-06	4.1626E-06	1.4952E 07	4.8734E 00	5.9891E 04
8.1958E-08	1.8193E-02	4.5050E-06	4.5050E-06	1.4565E 07	4.8738E 00	5.5350E 04
9.0150E-08	1.8631E-02	4.8388E-06	4.8388E-06	1.4222E 07	4.8739E 00	5.1540E 04
9.8342E-08	1.9038E-02	5.1656E-06	5.1656E-06	1.3919E 07	4.8744E 00	4.8302E 04
1.0653E-07	1.9422E-02	5.4852E-06	5.4852E-06	1.3643E 07	4.8746E 00	4.5493E 04
1.1473E-07	1.9784E-02	5.7988E-06	5.7988E-06	1.3394E 07	4.8748E 00	4.3041E 04
1.2292E-07	2.0128E-02	6.1067E-06	6.1067E-06	1.3165E 07	4.8748E 00	4.0870E 04
1.3930E-07	2.0766E-02	6.7082E-06	6.7082E-06	1.2761E 07	4.8753E 00	3.7221E 04
1.5569E-07	2.1350E-02	7.2919E-06	7.2919E-06	1.2412E 07	4.8754E 00	3.4247E 04
1.7207E-07	2.1891E-02	7.8603E-06	7.8603E-06	1.2106E 07	4.8755E 00	3.1772E 04
1.8845E-07	2.2394E-02	8.4153E-06	8.4153E-06	1.1834E 07	4.8756E 00	2.9680E 04
2.0484E-07	2.2865E-02	8.9586E-06	8.9586E-06	1.1590E 07	4.8758E 00	2.7883E 04
2.2122E-07	2.3309E-02	9.4910E-06	9.4910E-06	1.1370E 07	4.8759E 00	2.6323E 04
2.5399E-07	2.4127E-02	1.0527E-05	1.0527E-05	1.0984E 07	4.8759E 00	2.3733E 04
2.8676E-07	2.4869E-02	1.1531E-05	1.1531E-05	1.0657E 07	4.8761E 00	2.1672E 04
3.1953E-07	2.5551E-02	1.2506E-05	1.2506E-05	1.0373E 07	4.8762E 00	1.9985E 04
3.5229E-07	2.6182E-02	1.3456E-05	1.3456E-05	1.0123E 07	4.8763E 00	1.8575E 04
3.8506E-07	2.6771E-02	1.4384E-05	1.4384E-05	9.9002E 06	4.8762E 00	1.7375E 04

4.5060E-07	2.7841E-02	1.6185E-05	1.6185E-05	9.5200E 06	4.8766E 00	1.5448E 04
5.1613E-07	2.8798E-02	1.7923E-05	1.7923E-05	9.2043E 06	4.8774E 00	1.3960E 04
5.8167E-07	2.9675E-02	1.9601E-05	1.9601E-05	8.9322E 06	4.8769E 00	1.2759E 04
6.4721E-07	3.0478E-02	2.1235E-05	2.1235E-05	8.6969E 06	4.8768E 00	1.1777E 04
7.1274E-07	3.1223E-02	2.2827E-05	2.2827E-05	8.4893E 06	4.8765E 00	1.0953E 04
7.7828E-07	3.1914E-02	2.4386E-05	2.4386E-05	8.3058E 06	4.8770E 00	1.0258E 04
8.4381E-07	3.2568E-02	2.5910E-05	2.5910E-05	8.1392E 06	4.8768E 00	9.6529E 03
9.0935E-07	3.3182E-02	2.7405E-05	2.7405E-05	7.9887E 06	4.8769E 00	9.1268E 03
9.7489E-07	3.3765E-02	2.8873E-05	2.8873E-05	7.8509E 06	4.8768E 00	8.6628E 03
1.0404E-06	3.4318E-02	3.0317E-05	3.0317E-05	7.7243E 06	4.8768E 00	8.2504E 03
1.1060E-06	3.4847E-02	3.1738E-05	3.1738E-05	7.6072E 06	4.8767E 00	7.8808E 03
1.2370E-06	3.5837E-02	3.4518E-05	3.4518E-05	7.3973E 06	4.8767E 00	7.2461E 03
1.3681E-06	3.6752E-02	3.7226E-05	3.7226E-05	7.2133E 06	4.8766E 00	6.7186E 03
1.4992E-06	3.7602E-02	3.9870E-05	3.9870E-05	7.0503E 06	4.8765E 00	6.2732E 03
1.6302E-06	3.8399E-02	4.2456E-05	4.2456E-05	6.9041E 06	4.8765E 00	5.8909E 03
1.7613E-06	3.9148E-02	4.4991E-05	4.4991E-05	6.7720E 06	4.8765E 00	5.5593E 03
2.0235E-06	4.0532E-02	4.9922E-05	4.9922E-05	6.5409E 06	4.8762E 00	5.0094E 03
2.2856E-06	4.1788E-02	5.4695E-05	5.4695E-05	6.3445E 06	4.8759E 00	4.5715E 03
2.5477E-06	4.2935E-02	5.9340E-05	5.9340E-05	6.1753E 06	4.8763E 00	4.2151E 03
2.8099E-06	4.4001E-02	6.3860E-05	6.3860E-05	6.0259E 06	4.8761E 00	3.9165E 03
3.0720E-06	4.4992E-02	6.8279E-05	6.8279E-05	5.8933E 06	4.8762E 00	3.6635E 03
3.3342E-06	4.5926E-02	7.2599E-05	7.2599E-05	5.7735E 06	4.8758E 00	3.4447E 03
3.5963E-06	4.6803E-02	7.6839E-05	7.6839E-05	5.6655E 06	4.8758E 00	3.2548E 03
3.8585E-06	4.7635E-02	8.1001E-05	8.1001E-05	5.5667E 06	4.8757E 00	3.0874E 03
4.3828E-06	4.9175E-02	8.9127E-05	8.9127E-05	5.3927E 06	4.8759E 00	2.8067E 03
4.9070E-06	5.0582E-02	9.7012E-05	9.7012E-05	5.2429E 06	4.8760E 00	2.5791E 03
5.4313E-06	5.1886E-02	1.0468E-04	1.0468E-04	5.1113E 06	4.8757E 00	2.3896E 03
5.9556E-06	5.3096E-02	1.1217E-04	1.1217E-04	4.9951E 06	4.8757E 00	2.2303E 03
6.4799E-06	5.4229E-02	1.1949E-04	1.1949E-04	4.8908E 06	4.8755E 00	2.0935E 03
7.0042E-06	5.5292E-02	1.2668E-04	1.2668E-04	4.7970E 06	4.8757E 00	1.9752E 03
7.5285E-06	5.6301E-02	1.3372E-04	1.3372E-04	4.7112E 06	4.8755E 00	1.8710E 03
8.5771E-06	5.8165E-02	1.4746E-04	1.4746E-04	4.5606E 06	4.8756E 00	1.6971E 03
9.6256E-06	5.9867E-02	1.6078E-04	1.6078E-04	4.4312E 06	4.8756E 00	1.5566E 03
1.0674E-05	6.1439E-02	1.7374E-04	1.7374E-04	4.3180E 06	4.8753E 00	1.4404E 03
1.1723E-05	6.2896E-02	1.8638E-04	1.8638E-04	4.2182E 06	4.8752E 00	1.3427E 03
1.2771E-05	6.4260E-02	1.9874E-04	1.9874E-04	4.1289E 06	4.8750E 00	1.2592E 03
1.4869E-05	6.6742E-02	2.2278E-04	2.2278E-04	3.9759E 06	4.8756E 00	1.1241E 03
1.6966E-05	6.8975E-02	2.4597E-04	2.4597E-04	3.8477E 06	4.8760E 00	1.0186E 03
1.9063E-05	7.1022E-02	2.6841E-04	2.6841E-04	3.7370E 06	4.8754E 00	9.3323E 02
2.1160E-05	7.2901E-02	2.9026E-04	2.9026E-04	3.6410E 06	4.8753E 00	8.6308E 02
2.3257E-05	7.4649E-02	3.1155E-04	3.1155E-04	3.5560E 06	4.8750E 00	8.0400E 02
2.5354E-05	7.6276E-02	3.3240E-04	3.3240E-04	3.4804E 06	4.8751E 00	7.5377E 02
2.7451E-05	7.7812E-02	3.5279E-04	3.5279E-04	3.4119E 06	4.8747E 00	7.1010E 02
3.1646E-05	8.0626E-02	3.9250E-04	3.9250E-04	3.2933E 06	4.8748E 00	6.3850E 02
3.5840E-05	8.3179E-02	4.3088E-04	4.3088E-04	3.1927E 06	4.8746E 00	5.8166E 02
4.0034E-05	8.5523E-02	4.6811E-04	4.6811E-04	3.1055E 06	4.8740E 00	5.3527E 02
4.4229E-05	8.7684E-02	5.0441E-04	5.0441E-04	3.0293E 06	4.8738E 00	4.9679E 02
4.8423E-05	8.9699E-02	5.3984E-04	5.3984E-04	2.9615E 06	4.8734E 00	4.6418E 02
5.2617E-05	9.1583E-02	5.7453E-04	5.7453E-04	2.9009E 06	4.8733E 00	4.3620E 02
5.6812E-05	9.3364E-02	6.0849E-04	6.0849E-04	2.8458E 06	4.8729E 00	4.1181E 02
6.1006E-05	9.5045E-02	6.4186E-04	6.4186E-04	2.7958E 06	4.8727E 00	3.9042E 02
6.5200E-05	9.6643E-02	6.7465E-04	6.7465E-04	2.7498E 06	4.8725E 00	3.7145E 02
7.3589E-05	9.9616E-02	7.3872E-04	7.3872E-04	2.6682E 06	4.8723E 00	3.3930E 02
8.1977E-05	1.0235E-01	8.0098E-04	8.0098E-04	2.5975E 06	4.8721E 00	3.1299E 02
9.0366E-05	1.0488E-01	8.6161E-04	8.6161E-04	2.5351E 06	4.8715E 00	2.9094E 02
9.8755E-05	1.0724E-01	9.2088E-04	9.2088E-04	2.4797E 06	4.8713E 00	2.7225E 02
1.0714E-04	1.0946E-01	9.7888E-04	9.7888E-04	2.4298E 06	4.8710E 00	2.5613E 02
1.1553E-04	1.1154E-01	1.0358E-03	1.0358E-03	2.3848E 06	4.8708E 00	2.4211E 02
1.2392E-04	1.1352E-01	1.0916E-03	1.0916E-03	2.3435E 06	4.8705E 00	2.2973E 02
1.4070E-04	1.1719E-01	1.2006E-03	1.2006E-03	2.2707E 06	4.8701E 00	2.0893E 02
1.5747E-04	1.2055E-01	1.3063E-03	1.3063E-03	2.2079E 06	4.8695E 00	1.9203E 02
1.7425E-04	1.2366E-01	1.4092E-03	1.4092E-03	2.1530E 06	4.8690E 00	1.7803E 02

1.9103E-04	1.2654E-01	1.5096E-03	1.5096E-03	2.1044E 06	4.8687E 00	1.6621E 02
2.2458E-04	1.3177E-01	1.7044E-03	1.7044E-03	2.0218E 06	4.8686E 00	1.4734E 02
2.5814E-04	1.3643E-01	1.8921E-03	1.8921E-03	1.9535E 06	4.8688E 00	1.3285E 02
2.9169E-04	1.4070E-01	2.0732E-03	2.0732E-03	1.8948E 06	4.8674E 00	1.2121E 02
3.2525E-04	1.4460E-01	2.2492E-03	2.2492E-03	1.8443E 06	4.8667E 00	1.1174E 02
3.5880E-04	1.4822E-01	2.4207E-03	2.4207E-03	1.7998E 06	4.8658E 00	1.0382E 02
3.9236E-04	1.5157E-01	2.5885E-03	2.5885E-03	1.7606E 06	4.8658E 00	9.7153E 01
4.2591E-04	1.5474E-01	2.7524E-03	2.7524E-03	1.7250E 06	4.8650E 00	9.1367E 01
4.5946E-04	1.5772E-01	2.9132E-03	2.9132E-03	1.6929E 06	4.8646E 00	8.6345E 01
4.9302E-04	1.6054E-01	3.0710E-03	3.0710E-03	1.6636E 06	4.8640E 00	8.1919E 01
5.2657E-04	1.6322E-01	3.2262E-03	3.2262E-03	1.6367E 06	4.8635E 00	7.7994E 01
5.6013E-04	1.6578E-01	3.3788E-03	3.3788E-03	1.6119E 06	4.8630E 00	7.4481E 01
6.2724E-04	1.7057E-01	3.6774E-03	3.6774E-03	1.5674E 06	4.8621E 00	6.8456E 01
6.9435E-04	1.7499E-01	3.9680E-03	3.9680E-03	1.5285E 06	4.8612E 00	6.3459E 01
7.6145E-04	1.7910E-01	4.2515E-03	4.2515E-03	1.4940E 06	4.8603E 00	5.9241E 01
8.2856E-04	1.8295E-01	4.5288E-03	4.5288E-03	1.4632E 06	4.8596E 00	5.5629E 01
9.6278E-04	1.9000E-01	5.0672E-03	5.0672E-03	1.4100E 06	4.8583E 00	4.9751E 01
1.0970E-03	1.9633E-01	5.5875E-03	5.5875E-03	1.3656E 06	4.8576E 00	4.5165E 01
1.2312E-03	2.0215E-01	6.0905E-03	6.0905E-03	1.3272E 06	4.8558E 00	4.1438E 01
1.3654E-03	2.0750E-01	6.5804E-03	6.5804E-03	1.2938E 06	4.8546E 00	3.8370E 01
1.6339E-03	2.1721E-01	7.5221E-03	7.5221E-03	1.2374E 06	4.8505E 00	3.3542E 01
1.9023E-03	2.2578E-01	8.4254E-03	8.4254E-03	1.1916E 06	4.8472E 00	2.9938E 01
2.1707E-03	2.3340E-01	9.3006E-03	9.3006E-03	1.1540E 06	4.8463E 00	2.7164E 01
2.4392E-03	2.4040E-01	1.0146E-02	1.0146E-02	1.1215E 06	4.8443E 00	2.4912E 01
2.7076E-03	2.4682E-01	1.0970E-02	1.0970E-02	1.0934E 06	4.8431E 00	2.3065E 01
2.9760E-03	2.5283E-01	1.1771E-02	1.1771E-02	1.0683E 06	4.8411E 00	2.1502E 01
3.5129E-03	2.6362E-01	1.3326E-02	1.3326E-02	1.0263E 06	4.8395E 00	1.9036E 01
4.0498E-03	2.7330E-01	1.4818E-02	1.4818E-02	9.9153E 05	4.8371E 00	1.7142E 01
4.5867E-03	2.8211E-01	1.6258E-02	1.6258E-02	9.6191E 05	4.8341E 00	1.5634E 01
5.1235E-03	2.9017E-01	1.7657E-02	1.7657E-02	9.3649E 05	4.8318E 00	1.4411E 01
5.6604E-03	2.9762E-01	1.9019E-02	1.9019E-02	9.1423E 05	4.8297E 00	1.3393E 01
6.1973E-03	3.0456E-01	2.0348E-02	2.0348E-02	8.9447E 05	4.8276E 00	1.2531E 01
6.7341E-03	3.1110E-01	2.1646E-02	2.1646E-02	8.7669E 05	4.8253E 00	1.1787E 01
7.2710E-03	3.1725E-01	2.2919E-02	2.2919E-02	8.6066E 05	4.8234E 00	1.1142E 01
8.3448E-03	3.2864E-01	2.5391E-02	2.5391E-02	8.3260E 05	4.8193E 00	1.0070E 01
9.4185E-03	3.3900E-01	2.7783E-02	2.7783E-02	8.0877E 05	4.8156E 00	9.2155E 00
1.0492E-02	3.4847E-01	3.0109E-02	3.0109E-02	7.8829E 05	4.8129E 00	8.5193E 00
1.1566E-02	3.5730E-01	3.2371E-02	3.2371E-02	7.7021E 05	4.8098E 00	7.9346E 00
1.2640E-02	3.6553E-01	3.4579E-02	3.4579E-02	7.5415E 05	4.8070E 00	7.4382E 00
1.3713E-02	3.7331E-01	3.6735E-02	3.6735E-02	7.3964E 05	4.8037E 00	7.0081E 00
1.5861E-02	3.8754E-01	4.0927E-02	4.0927E-02	7.1469E 05	4.7987E 00	6.3064E 00
1.8008E-02	4.0050E-01	4.4964E-02	4.4964E-02	6.9356E 05	4.7932E 00	5.7501E 00
2.0156E-02	4.1235E-01	4.8881E-02	4.8881E-02	6.7547E 05	4.7885E 00	5.3001E 00
2.2303E-02	4.2334E-01	5.2685E-02	5.2685E-02	6.5963E 05	4.7837E 00	4.9258E 00
2.4451E-02	4.3352E-01	5.6400E-02	5.6400E-02	6.4573E 05	4.7799E 00	4.6113E 00
2.6598E-02	4.4315E-01	6.0022E-02	6.0022E-02	6.3319E 05	4.7756E 00	4.3397E 00
3.0893E-02	4.6073E-01	6.7053E-02	6.7053E-02	6.1173E 05	4.7684E 00	3.8990E 00
3.5188E-02	4.7669E-01	7.3818E-02	7.3818E-02	5.9370E 05	4.7613E 00	3.5524E 00
3.9483E-02	4.9137E-01	8.0354E-02	8.0354E-02	5.7820E 05	4.7540E 00	3.2713E 00
4.3778E-02	5.0489E-01	8.6708E-02	8.6708E-02	5.6478E 05	4.7476E 00	3.0397E 00
4.8073E-02	5.1753E-01	9.2890E-02	9.2890E-02	5.5291E 05	4.7413E 00	2.8441E 00
5.6663E-02	5.4038E-01	1.0486E-01	1.0486E-01	5.3302E 05	4.7314E 00	2.5342E 00
6.5253E-02	5.6097E-01	1.1632E-01	1.1632E-01	5.1658E 05	4.7214E 00	2.2954E 00
7.3843E-02	5.7988E-01	1.2734E-01	1.2734E-01	5.0256E 05	4.7109E 00	2.1042E 00
8.2433E-02	5.9725E-01	1.3802E-01	1.3802E-01	4.9055E 05	4.7014E 00	1.9485E 00
9.1023E-02	6.1342E-01	1.4838E-01	1.4838E-01	4.8003E 05	4.6923E 00	1.8185E 00
9.9613E-02	6.2852E-01	1.5849E-01	1.5849E-01	4.7076E 05	4.6840E 00	1.7085E 00
1.0820E-01	6.4284E-01	1.6832E-01	1.6832E-01	4.6240E 05	4.6754E 00	1.6133E 00
1.2538E-01	6.6910E-01	1.8739E-01	1.8739E-01	4.4812E 05	4.6605E 00	1.4582E 00
1.4256E-01	6.9314E-01	2.0568E-01	2.0568E-01	4.3609E 05	4.6456E 00	1.3354E 00
1.5974E-01	7.1519E-01	2.2336E-01	2.2336E-01	4.2587E 05	4.6322E 00	1.2361E 00
1.7692E-01	7.3574E-01	2.4047E-01	2.4047E-01	4.1696E 05	4.6194E 00	1.1536E 00

1.9410E-01	7.5486E-01	2.5714E-01	2.5714E-01	4.0919E 05	4.6079E 00	1.0843E 00
2.1128E-01	7.7299E-01	2.7333E-01	2.7333E-01	4.0221E 05	4.5962E 00	1.0245E 00
2.4564E-01	8.0634E-01	3.0464E-01	3.0464E-01	3.9033E 05	4.5753E 00	9.2728E-01
2.8000E-01	8.3680E-01	3.3461E-01	3.3461E-01	3.8044E 05	4.5554E 00	8.5081E-01
3.1436E-01	8.6501E-01	3.6342E-01	3.6342E-01	3.7199E 05	4.5362E 00	7.8876E-01
3.4872E-01	8.9119E-01	3.9130E-01	3.9130E-01	3.6473E 05	4.5187E 00	7.3758E-01
3.8308E-01	9.1579E-01	4.1831E-01	4.1831E-01	3.5835E 05	4.5018E 00	6.9432E-01
4.5180E-01	9.6071E-01	4.7028E-01	4.7028E-01	3.4774E 05	4.4720E 00	6.2558E-01
5.2052E-01	1.0016E 00	5.1969E-01	5.1969E-01	3.3908E 05	4.4440E 00	5.7254E-01
5.8924E-01	1.0395E 00	5.6684E-01	5.6684E-01	3.3177E 05	4.4167E 00	5.2998E-01
6.5796E-01	1.0747E 00	6.1224E-01	6.1224E-01	3.2557E 05	4.3917E 00	4.9528E-01
7.2668E-01	1.1077E 00	6.5601E-01	6.5602E-01	3.2019E 05	4.3678E 00	4.6621E-01
8.6412E-01	1.1679E 00	7.3991E-01	7.3991E-01	3.1141E 05	4.3262E 00	4.2063E-01
1.0016E 00	1.2229E 00	8.1901E-01	8.1901E-01	3.0432E 05	4.2869E 00	3.8570E-01
1.1390E 00	1.2740E 00	8.9402E-01	8.9403E-01	2.9842E 05	4.2493E 00	3.5787E-01
1.2764E 00	1.3216E 00	9.6582E-01	9.6582E-01	2.9346E 05	4.2146E 00	3.3526E-01
1.4139E 00	1.3663E 00	1.0348E 00	1.0348E 00	2.8921E 05	4.1823E 00	3.1647E-01
1.5513E 00	1.4087E 00	1.1013E 00	1.1013E 00	2.8551E 05	4.1517E 00	3.0050E-01
1.6888E 00	1.4490E 00	1.1655E 00	1.1655E 00	2.8225E 05	4.1227E 00	2.8676E-01
1.9636E 00	1.5247E 00	1.2879E 00	1.2879E 00	2.7675E 05	4.0686E 00	2.6419E-01
2.2385E 00	1.5948E 00	1.4036E 00	1.4036E 00	2.7226E 05	4.0192E 00	2.4637E-01
2.5134E 00	1.6603E 00	1.5138E 00	1.5138E 00	2.6853E 05	3.9741E 00	2.3191E-01
2.7883E 00	1.7224E 00	1.6188E 00	1.6188E 00	2.6533E 05	3.9315E 00	2.1980E-01
3.0631E 00	1.7814E 00	1.7196E 00	1.7196E 00	2.6255E 05	3.8918E 00	2.0953E-01
3.3380E 00	1.8377E 00	1.8164E 00	1.8164E 00	2.6011E 05	3.8543E 00	2.0065E-01
3.6129E 00	1.8918E 00	1.9098E 00	1.9098E 00	2.5795E 05	3.8190E 00	1.9290E-01
3.8878E 00	1.9439E 00	2.0000E 00	2.0000E 00	2.5600E 05	3.7854E 00	1.8605E-01
4.1627E 00	1.9942E 00	2.0874E 00	2.0874E 00	2.5424E 05	3.7535E 00	1.7994E-01
4.7124E 00	2.0902E 00	2.2546E 00	2.2546E 00	2.5116E 05	3.6939E 00	1.6947E-01
5.2622E 00	2.1810E 00	2.4128E 00	2.4128E 00	2.4853E 05	3.6391E 00	1.6077E-01
5.8119E 00	2.2673E 00	2.5634E 00	2.5634E 00	2.4624E 05	3.5887E 00	1.5341E-01
6.3617E 00	2.3498E 00	2.7073E 00	2.7073E 00	2.4421E 05	3.5417E 00	1.4705E-01
6.9114E 00	2.4291E 00	2.8453E 00	2.8453E 00	2.4239E 05	3.4979E 00	1.4150E-01
7.4612E 00	2.5055E 00	2.9779E 00	2.9779E 00	2.4074E 05	3.4567E 00	1.3658E-01
8.0109E 00	2.5794E 00	3.1058E 00	3.1058E 00	2.3922E 05	3.4180E 00	1.3218E-01
9.1105E 00	2.7205E 00	3.3488E 00	3.3488E 00	2.3649E 05	3.3466E 00	1.2462E-01
1.0210E 01	2.8540E 00	3.5774E 00	3.5774E 00	2.3409E 05	3.2821E 00	1.1830E-01
1.1309E 01	2.9810E 00	3.7938E 00	3.7938E 00	2.3194E 05	3.2237E 00	1.1293E-01
1.2409E 01	3.1026E 00	3.9995E 00	3.9995E 00	2.2997E 05	3.1700E 00	1.0826E-01
1.3509E 01	3.2193E 00	4.1961E 00	4.1961E 00	2.2814E 05	3.1207E 00	1.0416E-01
1.4608E 01	3.3319E 00	4.3843E 00	4.3844E 00	2.2644E 05	3.0748E 00	1.0051E-01
1.5708E 01	3.4405E 00	4.5655E 00	4.5655E 00	2.2484E 05	3.0322E 00	9.7241E-02
1.7907E 01	3.6480E 00	4.9086E 00	4.9086E 00	2.2187E 05	2.9550E 00	9.1581E-02
2.0106E 01	3.8442E 00	5.2302E 00	5.2302E 00	2.1916E 05	2.8866E 00	8.6832E-02
2.2305E 01	4.0304E 00	5.5341E 00	5.5342E 00	2.1666E 05	2.8256E 00	8.2773E-02
2.4504E 01	4.2084E 00	5.8225E 00	5.8225E 00	2.1433E 05	2.7704E 00	7.9240E-02
2.6703E 01	4.3792E 00	6.0976E 00	6.0977E 00	2.1213E 05	2.7202E 00	7.6131E-02
2.8902E 01	4.5436E 00	6.3610E 00	6.3610E 00	2.1005E 05	2.6742E 00	7.3363E-02
3.1101E 01	4.7021E 00	6.6142E 00	6.6142E 00	2.0808E 05	2.6318E 00	7.0880E-02
3.5499E 01	5.0043E 00	7.0936E 00	7.0936E 00	2.0439E 05	2.5560E 00	6.6590E-02
3.9897E 01	5.2894E 00	7.5427E 00	7.5428E 00	2.0100E 05	2.4899E 00	6.2996E-02
4.4295E 01	5.5595E 00	7.9674E 00	7.9674E 00	1.9786E 05	2.4317E 00	5.9933E-02
4.8693E 01	5.8172E 00	8.3705E 00	8.3706E 00	1.9492E 05	2.3797E 00	5.7276E-02
5.3091E 01	6.0638E 00	8.7554E 00	8.7555E 00	1.9217E 05	2.3328E 00	5.4946E-02
5.7489E 01	6.3009E 00	9.1239E 00	9.1239E 00	1.8956E 05	2.2901E 00	5.2877E-02
6.1887E 01	6.5293E 00	9.4783E 00	9.4783E 00	1.8709E 05	2.2511E 00	5.1027E-02
7.0683E 01	6.9640E 00	1.0150E 01	1.0150E 01	1.8249E 05	2.1819E 00	4.7842E-02
7.9479E 01	7.3734E 00	1.0779E 01	1.0779E 01	1.7826E 05	2.1221E 00	4.5186E-02
8.8275E 01	7.7605E 00	1.1375E 01	1.1375E 01	1.7437E 05	2.0698E 00	4.2931E-02
9.7071E 01	8.1295E 00	1.1941E 01	1.1941E 01	1.7074E 05	2.0233E 00	4.0983E-02
1.0587E 02	8.4822E 00	1.2481E 01	1.2481E 01	1.6734E 05	1.9817E 00	3.9278E-02
1.1466E 02	8.8212E 00	1.2999E 01	1.2999E 01	1.6414E 05	1.9440E 00	3.7769E-02

1.2346E 02	9.1473E 00	1.3497E 01	1.3497E 01	1.6110E 05	1.9096E 00	3.6422E-02
1.3226E 02	9.4623E 00	1.3977E 01	1.3977E 01	1.5822E 05	1.8781E 00	3.5210E-02
1.4985E 02	1.0063E 01	1.4892E 01	1.4892E 01	1.5284E 05	1.8221E 00	3.3109E-02
1.6744E 02	1.0629E 01	1.5753E 01	1.5753E 01	1.4790E 05	1.7735E 00	3.1344E-02
1.8503E 02	1.1167E 01	1.6569E 01	1.6569E 01	1.4331E 05	1.7307E 00	2.9834E-02
2.0262E 02	1.1680E 01	1.7348E 01	1.7348E 01	1.3904E 05	1.6927E 00	2.8524E-02
2.2022E 02	1.2172E 01	1.8093E 01	1.8093E 01	1.3502E 05	1.6585E 00	2.7372E-02
2.5540E 02	1.3103E 01	1.9492E 01	1.9492E 01	1.2758E 05	1.5988E 00	2.5427E-02
2.9059E 02	1.3970E 01	2.0800E 01	2.0800E 01	1.2088E 05	1.5487E 00	2.3848E-02
3.2577E 02	1.4785E 01	2.2033E 01	2.2033E 01	1.1476E 05	1.5058E 00	2.2533E-02
3.6095E 02	1.5557E 01	2.3202E 01	2.3202E 01	1.0911E 05	1.4682E 00	2.1415E-02
3.9614E 02	1.6294E 01	2.4311E 01	2.4311E 01	1.0382E 05	1.4348E 00	2.0446E-02
4.3132E 02	1.6998E 01	2.5374E 01	2.5375E 01	9.8873E 04	1.4049E 00	1.9600E-02
5.0169E 02	1.8327E 01	2.7374E 01	2.7374E 01	8.9760E 04	1.3532E 00	1.8178E-02
5.7206E 02	1.9564E 01	2.9240E 01	2.9241E 01	8.1555E 04	1.3100E 00	1.7029E-02
6.4243E 02	2.0725E 01	3.0998E 01	3.0998E 01	7.4064E 04	1.2730E 00	1.6075E-02
7.1280E 02	2.1827E 01	3.2656E 01	3.2656E 01	6.7098E 04	1.2405E 00	1.5263E-02
7.8317E 02	2.2876E 01	3.4235E 01	3.4236E 01	6.0616E 04	1.2118E 00	1.4564E-02
9.2390E 02	2.4844E 01	3.7188E 01	3.7188E 01	4.8748E 04	1.1629E 00	1.3410E-02
1.0646E 03	2.6644E 01	3.9928E 01	3.9928E 01	3.8146E 04	1.1226E 00	1.2495E-02
1.2054E 03	2.8361E 01	4.2501E 01	4.2501E 01	2.8545E 04	1.0887E 00	1.1747E-02

* * ALL DATA PROCESSED.

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