



KERNFORSCHUNGSANLAGE JÜLICH
GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG

Institut für Festkörperforschung

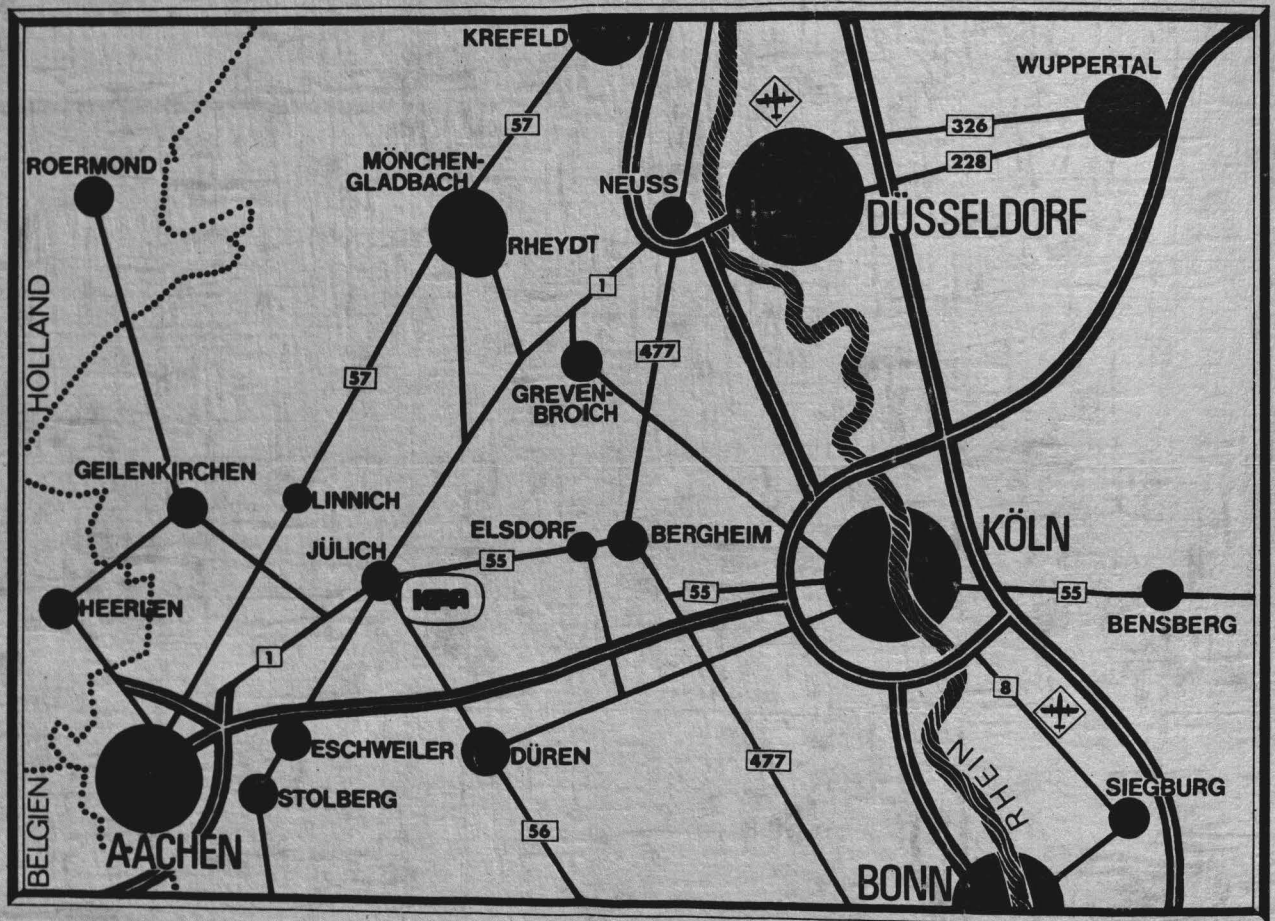
**Calculations of Shape and Stability
of Menisci in Czochralski Growth
with Tables to Determine Meniscus Heights,
Maximum Heights and Capillary Constants**

by

W. Uelhoff and K. Mika

**Jül - 1195
Mai 1975**

Als Manuskript gedruckt



Berichte der Kernforschungsanlage Jülich – Nr. 1195

Institut für Festkörperforschung Jülich - 1195

Dok.: Crystal Growth - Czochralski Method
 Fluid Mechanics - Capillary Phenomena
 Meniscus Shapes - Meniscus Stability
 Variational Methods - Second Variation

Im Tausch zu beziehen durch: ZENTRALBIBLIOTHEK der Kernforschungsanlage Jülich GmbH,
 Jülich, Bundesrepublik Deutschland

**Calculations of Shape and Stability
of Menisci in Czochralski Growth
with Tables to Determine Meniscus Heights,
Maximum Heights and Capillary Constants**

by

W. Uelhoff and K. Mika

Abstract

The shape and stability of menisci occurring during Czochralski growth have been studied by means of numerical methods for the case of the free surface. The existence of minimal joining angles is shown, beyond which the growing crystal will separate from the melt. The dependence of the interface height on the joining angle for different crystal diameters was calculated. The maximum stable heights and the corresponding joining angles were determined as a function of crystal diameter. A method for measuring the capillary constant of the melt during Czochralski growth is proposed. Our results are compared with known analytical approximations. Limitations of the applications caused by a finite crucible radius or low g values are pointed out. For practical use the following functions have been tabulated: a) meniscus height in dependence on joining angle and crystal radius, b) the radius-height-ratio in dependence on radius and angle for the calculation of the capillary constant, c) the maximum stable height and the corresponding growth angle as a function of crystal radius.

Contents

1. Introduction	1
2. The differential equation for the meniscus shape and a method for the numerical solution	2
3. The problem of stability	8
4. Results and comparisons with analytical approximations	11
5. Conclusions	24
6. References	29
7. Table 1 $\zeta_0(\alpha, \rho_0)$	31
8. Table 2 $\zeta_{\max}(\rho_0), \alpha_{\min}(\rho_0), \Omega_{\min}(\rho_0)$	81
9. Table 3 $\Omega(\alpha, \rho_0)$	87

1. Introduction

For a quantitative description of the Czochralski method, in addition to the temperature gradient at the interface also the meniscus shape, and the interface height caused by both factors, are of special importance. The problem of temperature gradient has been reported elsewhere (see e.g. /1-3/). The purpose of this paper is to present calculations concerning the meniscus in Czochralski growth.

In addition to the theoretical aspects the meniscus also is of great practical use for the newly developed techniques of diameter control: In the weighing method /4, 5/ the weight of the melt enclosed by the meniscus appears as an essential quantity; when using the TV-method /6-8/, the crystal diameter has to be measured exactly at the interface height. For applying the laser method /9/, the slope along the meniscus is of importance.

Until now only a few analytical approximations for calculations of the interface height have been used for crystal growth /10-12/, but in the field of fluid mechanics the mathematical treatment of capillary phenomena has been well developed /13-15/. For detailed literature we refer to the review article of Finn /16/. Huh and Scriven /17/ give extensive tables of numerical results dealing with the problem of the rod-in-free-surface menisci. However, the presentation of their results seems not to be very appropriate for crystal growth purposes.

This is one of the reasons which motivated us to determine the numerical solution of the Euler-Laplace equation in order to obtain the solid-liquid interface height and the corresponding meniscus shape (part 2). In part 3 the problem of meniscus stability will be investigated with the aid of criteria of the calculus of variations. In this connection we want to mention the work of Padday and Pitt /18/ who treated the problem of stability based upon energy considerations of the meniscus. In part 4 we shall discuss our numerical results, which are presented in tables 1-3, and compare them with analytical approximations. In part 5 direct consequences for Czochralski growth will be considered.

2. The differential equation for the meniscus shape and a method for the numerical solution

The following assumptions will be made when determining the meniscus shape:

- a) The contact angle β (see fig. 1a) is assumed to be invariant with crystal orientation and at first to be zero (complete wetting). In the last part it will be shown, that the results immediately can be applied to the more general case of β not equal to zero but still independent of the orientation.
- b) The cylindrical crystal is vertically arranged. This implies rotational symmetry of the meniscus.
- c) The crucible diameter is large compared to the crystal diameter, that means we consider only the case of the free surface.

For a given height H of the interface above the melt level and for a given radius R of the crystal at the interface, the joining angle α (fig 1b) determines whether the crystal will increase (fig. 1b) or decrease (fig. 1c) in diameter. Of special interest is the constant diameter growth (stationary growth), which occurs when the tangent of the meniscus end point at the height H is vertically directed ($\alpha = 0^\circ$, fig. 1d). Of further interest is the maximum height $H_{\max}$ at which the crystal will melt off.

Under the assumptions made in a) - c) the differential equation governing the meniscus shape follows directly from the energy functional E using the methods of calculus of variations:

$$E = C \cdot \int_0^{\zeta_0} (2\rho\sqrt{1+\rho'^2} + \rho^2\zeta) d\zeta, \quad (1)$$

where $\zeta = 0$ corresponds to the free surface of the melt and where the dimensionless variables are defined by

$$\begin{aligned} z &= K \cdot \zeta, & r &= K \cdot \rho, & H &= K \cdot \zeta_0, & R &= K \cdot \rho_0, \\ z_{\perp} &= K \cdot \zeta_{\perp}, & r_{\perp} &= K \cdot \rho_{\perp}, \end{aligned} \quad (2)$$

$$K = \left(\frac{\sigma}{g \cdot d}\right)^{1/2}, \quad C = \pi \sigma K^2, \quad a = \sqrt{2} \cdot K \quad (3)$$

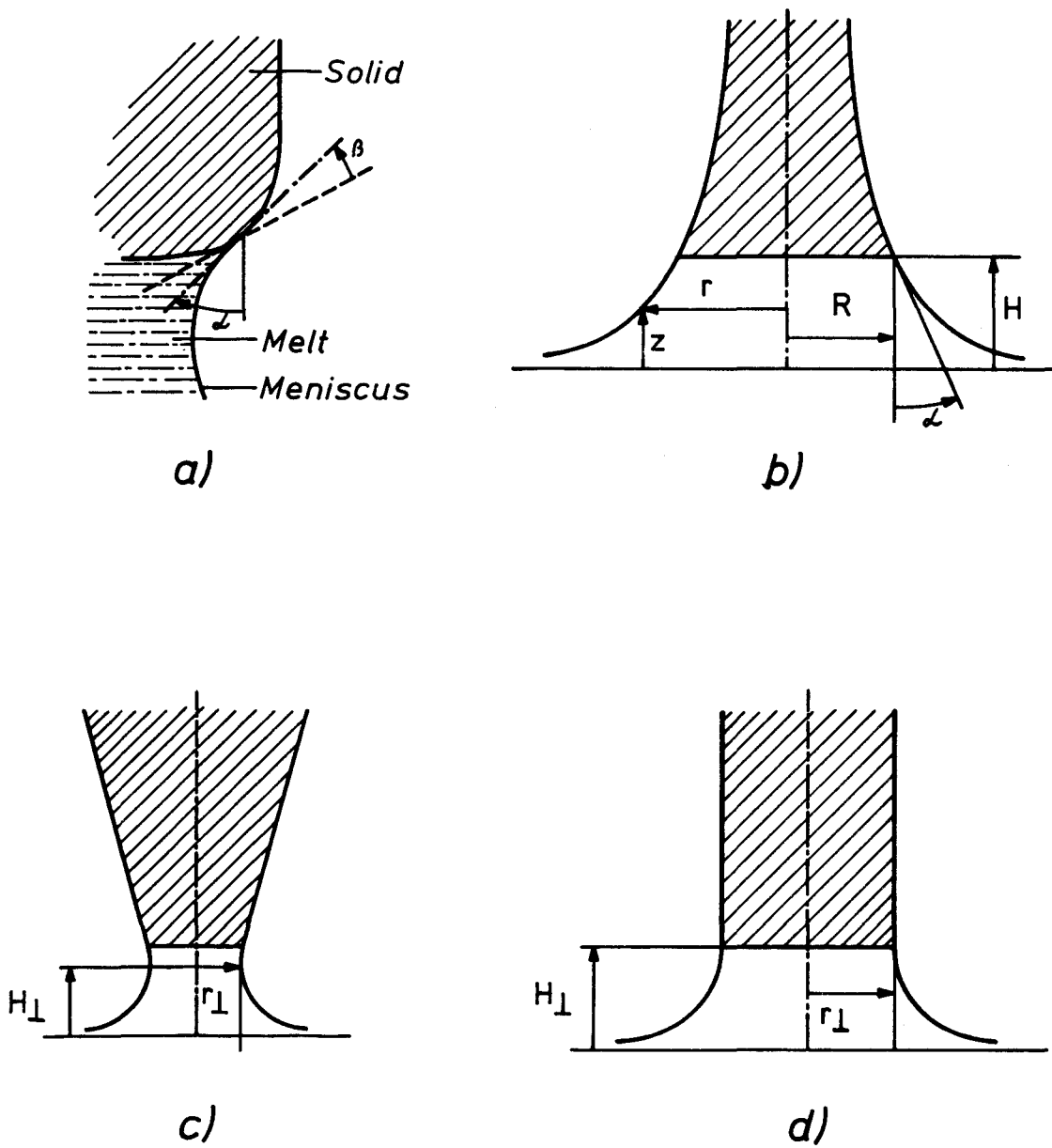


Fig. 1: Different crystal growth stages with the definitions of the physical quantities of interest.

- a) Definition of contact angle β and joining angle α
(--- crystal tangent, - - - - - meniscus tangent).
- b) Stage of increasing crystal diameter
- c) Decreasing crystal diameter
- d) Stationary growth

where σ is the surface tension
d is the density
g is the gravitational acceleration
a is the capillary constant.

For the meaning of z , r , H and R see fig. 1.

Although the scaling equations (2) have a very simple structure, one should notice here that the determination of K is not possible by measuring any meniscus quantities of equations (2) alone, since a system of equations of type (2) always leads to one more unknown variable than the number of equations. A method for the experimental determination of K or the capillary constant, respectively, during Czochralski growth will be described in part 5 making use of the results found in part 4.

From eq. (1) the first variation leads to the Euler-Laplace equation:

$$\frac{\rho''}{(1+\rho'^2)^{3/2}} - \frac{1}{\rho(1+\rho'^2)^{1/2}} - \zeta = 0 \quad . \quad (4)$$

The boundary conditions of eq. (4) read for our problem:

$$\rho(0) = \infty, \quad (5a)$$

$$\rho(\zeta_0) = \rho_0. \quad (5b)$$

Any numerical method for solving eq. (4) is difficult because of condition (5a). The solution for $\rho \rightarrow \infty$ (asymptotic part of the solution), however, can be derived analytically [19]. Therefore, a hybrid method can be applied to solve the equation numerically up to a certain value of ζ , where the asymptotic solution can be used within the wanted range of accuracy.

The asymptotic solution can be obtained after transforming from $\rho(\zeta)$ to $\zeta(\rho)$ with:

$$\frac{d\rho}{d\zeta} = \left(\frac{d\zeta}{d\rho}\right)^{-1}; \quad \frac{d^2\rho}{d\zeta^2} = - \left(\frac{d\zeta}{d\rho}\right)^{-3} \cdot \frac{d^2\zeta}{d\rho^2}.$$

This leads to the equation:

$$\zeta'' \frac{|\zeta|'^3}{\zeta'^3} \cdot \frac{1}{(1+\zeta'^2)^{3/2}} + \frac{1}{\rho} \frac{|\zeta'|}{(1+\zeta'^2)^{1/2}} + \zeta = 0. \quad (6)$$

For large ρ values we have $\zeta'^2 \ll 1$ and $\zeta' = -|\zeta'|$.

We obtain the differential equation for the asymptotic solution (Nicolson approximation /19/):

$$\zeta'' + \frac{1}{\rho} \zeta' - \zeta = 0, \quad (7)$$

This is the differential equation of the modified Bessel function with the solution:

$$\zeta(\rho) = A \cdot K_0(\rho), \quad (8a)$$

which satisfies the boundary condition eq. (5a). A can be determined from the continuity of the first derivative at the connection point ξ_c (for the definition of ξ_c see below):

$$A = \frac{1}{\rho'(\xi_c) K_1(\rho(\xi_c))}. \quad (8b)$$

In that ζ region where the asymptotic solution is not valid, a numerical solution was calculated under the following assumptions: The problem may be solved as initial value problem with $\rho(\zeta_0) = \rho_0$ and $\rho'(\zeta_0) = \operatorname{tg} \alpha$ if the total height ζ_0 is known in advance. Since this is not the case, an appropriate iteration technique was used.

The initial values ρ_0 and α are given. Then a trial value ζ_T for ζ_0 is assumed. For this purpose eq. (4) is transformed by $\xi = \zeta_T - \zeta$ and solved using a Runge-Kutta method. Since $d^2\rho/d\xi^2$ is always positive in the feasible region $\zeta > 0$, the derivative

* K_0 and K_1 are modified Bessel functions of the second kind.

$d\rho/d\xi$ is monotonously increasing with ξ . That means the numerical integration will be interrupted if the derivative $d\rho/d\xi$ exceeds a certain value ρ'_{RKmax} . We found that we had to stop the Runge-Kutta integration whenever the derivative $d\rho/d\xi$ reached the value $\rho'_{RKmax} = 200$.

Starting with a certain trial value ζ_T quite generally only the two cases can occur:

- a) $d\rho/d\xi \leq \rho'_{RKmax}$ at $\xi = \zeta_T$; in this case the assumed value ζ_T has to be increased.
- b) $d\rho/d\xi = \rho'_{RKmax}$ for a certain $\xi = \xi_C$ with $\xi_C < \zeta_T$. This value of ξ_C defines the connection point between the numerical and the asymptotic solution. In this case the asymptotic solution is connected at ξ_C and the resulting total height ζ_R is compared with ζ_T . If $(\zeta_R - \zeta_T) > 0$, ζ_T has to be increased. The procedure will be stopped when $|\zeta_R - \zeta_T|$ is less than the prescribed accuracy.

It should be mentioned that the accuracy of the described method is not only determined by the Runge-Kutta integration but essentially by the hybrid method itself, since the asymptotic solution is obtained by neglecting $(d\zeta/d\rho)^2$ with respect to one. When integrating numerically up to the connection point ξ_C , at which the derivative reaches the value $\rho'_{RKmax} = 200$, this systematical error in our case was given by $(1/\rho'_{RKmax})^2 = 2.5 \times 10^{-5}$.

By this method we have calculated meniscus shapes $\rho(\zeta) = f(\zeta, \alpha, \rho_0)$. The results will be discussed in part 4. At this point we only want to show a special feature of the solutions: When varying the angle with constant ρ_0 , we found an increase in the height ζ_0 for α decreasing from 90° . ζ_0 reached a maximum value ζ_{max} for a certain angle $\alpha = \alpha_{min}$. By further decreasing α , the height ζ_0 also decreased. This means that for a given value $\zeta_0 < \zeta_{max}$ two solutions $\rho(\zeta) = g(\zeta, \zeta_0, \rho_0)$ exist. Fig. 2 shows an example for two meniscus shapes (curves 1 and 3) with the same ζ_0 but different α values. Curve 2 is the meniscus shape with $\zeta_0 = \zeta_{max}$.

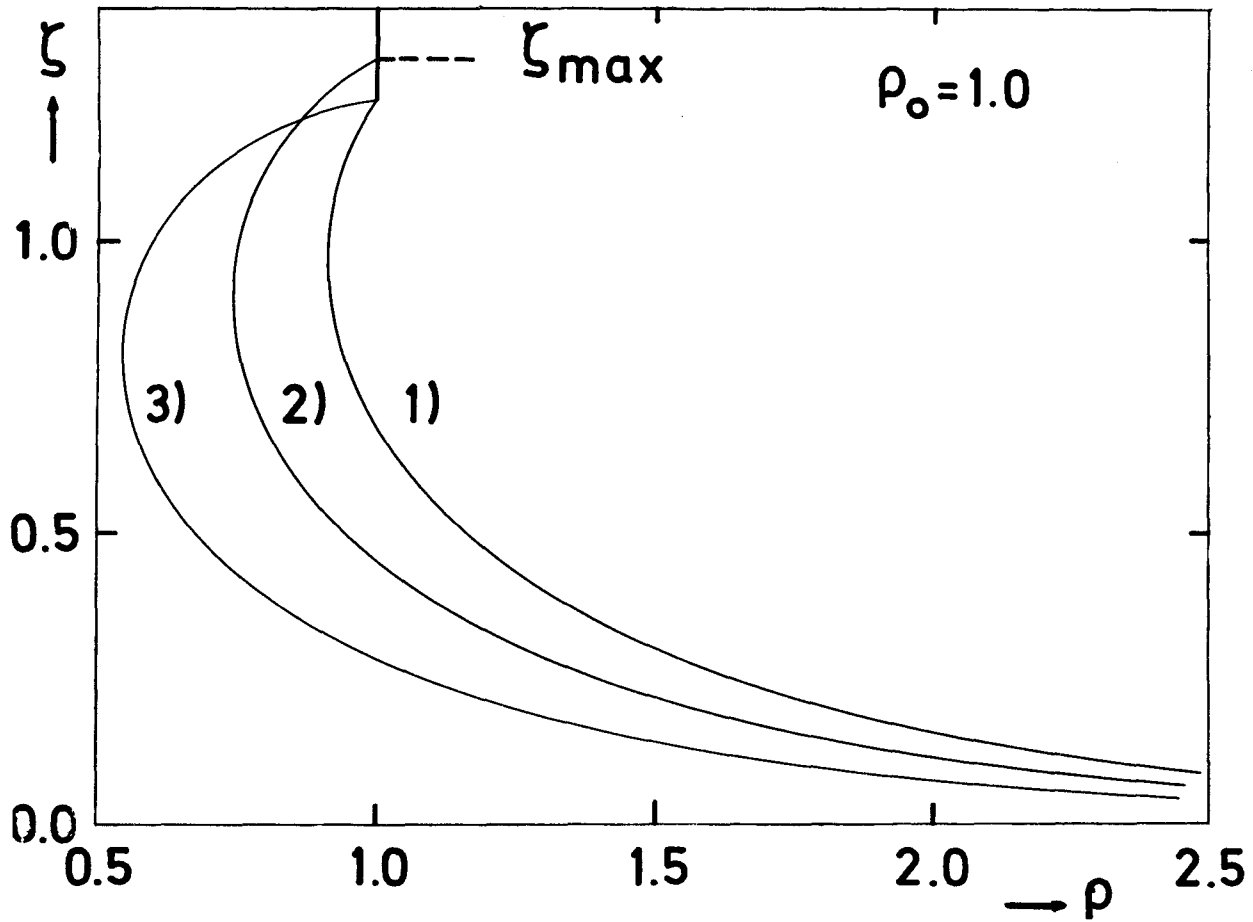


Fig. 2: Meniscus shapes for $\rho_0 = 1.0$. Curve 1: Stable meniscus ($\zeta_0 = 1.244$, $\alpha = -54.6^\circ$), curve 2: Meniscus with maximum height ($\zeta_{\max} = 1.315$, $\alpha_{\min} = -61.57^\circ$), curve 3: Same height as curve 1, but unstable with $\alpha = 82.0^\circ$.

3. The problem of stability

After having found two solutions for the same ζ_0 value, we must investigate their stability. From variational methods it is well known, that physically *u n s t a b l e* solutions of the Euler equation may exist /22-24/. The first variation leading to the Euler equation only determines extremals, but does not give any information about their stability. In order to be sure that a minimal (or maximal) solution does exist, the following two conditions have to be satisfied /22-24/:

- a) The solution of the Jacobi differential equation must not have conjugate points.
- b) The Legendre condition has to be satisfied.

The Jacobi differential equation for $\eta(x)$ reads quite generally:

$$\frac{d}{dx} \left[f_{y'y'} \cdot \eta' + f_{yy'} \cdot \eta \right] - \left[f_{yy} \cdot \eta + f_{yy'} \cdot \eta' \right] = 0, \quad (9)$$

where $f(x, y, y')$ is the argument of the functional to be investigated. In eq. (9) $y(x)$ is the solution of the Euler equation. Usually one solves eq. (9) as initial value problem with $\eta(x_0) = 0$, $\eta'(x_0) = 1$. If this solution has a further zero (in addition to x_0), then this is called a conjugate point with respect to x_0 .

The Legendre condition is satisfied if:

$$f_{y'y'} > 0 \text{ (minimum)} \quad \text{or}$$

$$f_{y'y'} < 0 \text{ (maximum)}.$$

Discussing the two conditions for our problem we get from eq. (1):

$$f(\zeta, \rho, \rho') = C \cdot (2\rho\sqrt{1+\rho'^2} + \rho^2\zeta), \quad (10)$$

$$f_{\rho'\rho'} = C \cdot 2\rho / (1+\rho'^2)^{3/2} > 0, \quad (11)$$

and:

$$\eta'' - \frac{\rho'}{\rho} \left[2 + 3\rho \cdot \zeta \sqrt{1 + \rho'^2} \right] \eta' + \frac{1}{\rho^2} (1 + \rho'^2) \cdot \eta = 0, \quad (12)$$

where eq. (4) has been used to eliminate ρ'' from eq. (12).

Looking at eq. (11), one sees that the Legendre condition is fulfilled indicating a minimum. In order to check condition (9), we have solved numerically the Jacobi equation (12). It turned out, that only in the range $\alpha_{\min} < \alpha < 90^\circ$ the Jacobi condition also was satisfied. This critical angle $\alpha_{\min}$ is a function of ρ_0 . For $\alpha < \alpha_{\min}$ the solution of eq. (12) showed conjugate points. This implies that the extremals obtained from the Euler equation are unstable in the range $\alpha < \alpha_{\min}$. Figs. 3a and 3b show solutions of the Jacobi equation for the case of $\rho_0 = 1.0$ and different α values. For this ρ_0 the critical angle is: $\alpha_{\min} = -61.57^\circ$. For $\alpha < \alpha_{\min}$ the occurrence of a second zero of η can be observed. Fig. 3b particularly illustrates the sharp transition of the solution when passing $\alpha_{\min}$. We shall call the height corresponding to $\alpha_{\min}$ the maximal height $\zeta_{\max}$.

Concerning the stable menisci, it is evident from conditions a) and b), that the total energy is a minimum. In the case of unstable menisci, an interpretation of the energy relations is more complicated.

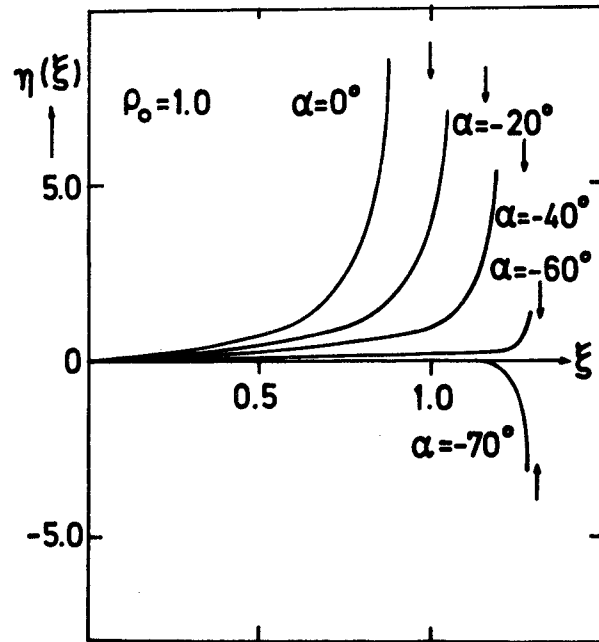


Fig. 3a: Solutions of the Jacobi equation for different angles α ($\alpha = -70^\circ$ belongs to an unstable meniscus). The arrows indicate the corresponding free surface values at $\xi = \zeta_0$ (ξ stands for $\zeta_0 - \zeta$).

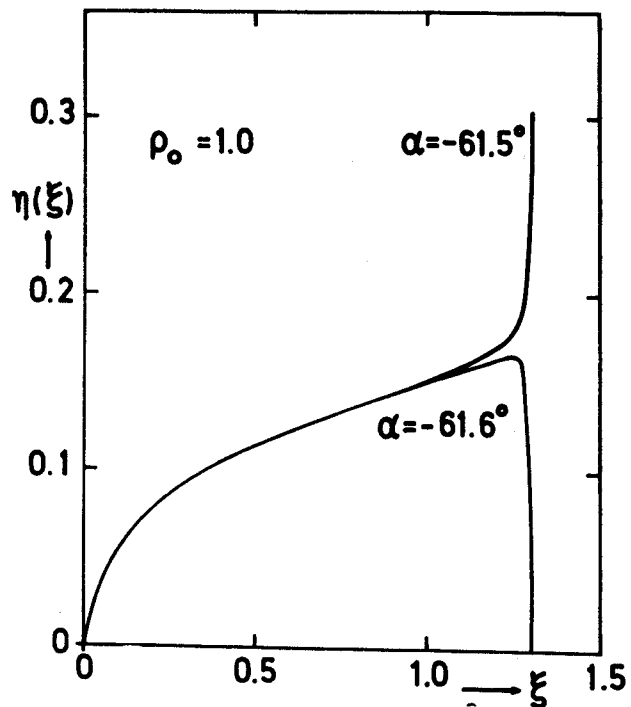


Fig. 3b: The same as fig. 3a. The two angles are very close to the break-off angle $\alpha_{\min} = -61.57^\circ$.

4. Results and comparisons with analytical approximations

Figs. 4a and 4b show stable meniscus shapes calculated by the program described in part 2. The menisci in fig. 4a are associated with solid-liquid interface heights greater than the stationary height (range of joining angle: $\alpha_{\min} \leq \alpha \leq 0^\circ$), whereas menisci in fig. 4b are associated with heights $\zeta_{\perp} \geq \zeta_0 > 0$ (joining angle: $0^\circ \leq \alpha < 90^\circ$). It can be seen that the solution for the stationary case represents an envelope for all other solutions in that any $\rho(\zeta)$ is less than the value of ρ for the stationary shape at the same ζ .

From these figures an interesting result follows when scanning the menisci optically for diameter control /9/. As is apparent from fig. 4a, the stable menisci (as well as the unstable ones, which are not drawn) cut the axis $\rho_0 = 1.0$ in a second point below $\zeta_{\perp}$. Considering this point and its slope as initial conditions for our differential eq. (4), the solution is a part of the solution mentioned above due to uniqueness properties of the problem. Hence all menisci of the range $0^\circ < \alpha < 90^\circ$ are continuations of corresponding menisci in the range $-90^\circ < \alpha < 0^\circ$, where ρ_0 is assumed to be constant. This means that a measurement of the meniscus height or slope for any $\rho > \rho_0$ generally does not lead to a unique value of the solid-liquid interface height. Only those menisci having a continuation in the region of instability will give a unique result.

Numerical values of the heights of menisci ζ_0 are listed as a function of the joining angle α with crystal radius ρ_0 as a parameter in table 1. Here α is increased in increments of 2° and covers only the stable region. In a reduced table also values for the unstable region have been published in /32/. The range of radii ρ_0 selected in this report extends over a region which seems important to us in view of Czochralski growth. So the minimum chosen ρ_0 value of 0.01 corresponds to a crystal diameter of 0.07 mm for Ge, 0.12 mm for Si and 0.07 mm for Cu. These values seem to us the lowest diameters to occur in practical applications. The maximum value of $\rho_0 = 5.40$ chosen by us corresponds to crystal diameters of 36.6 mm for Ge, 60.2 mm for

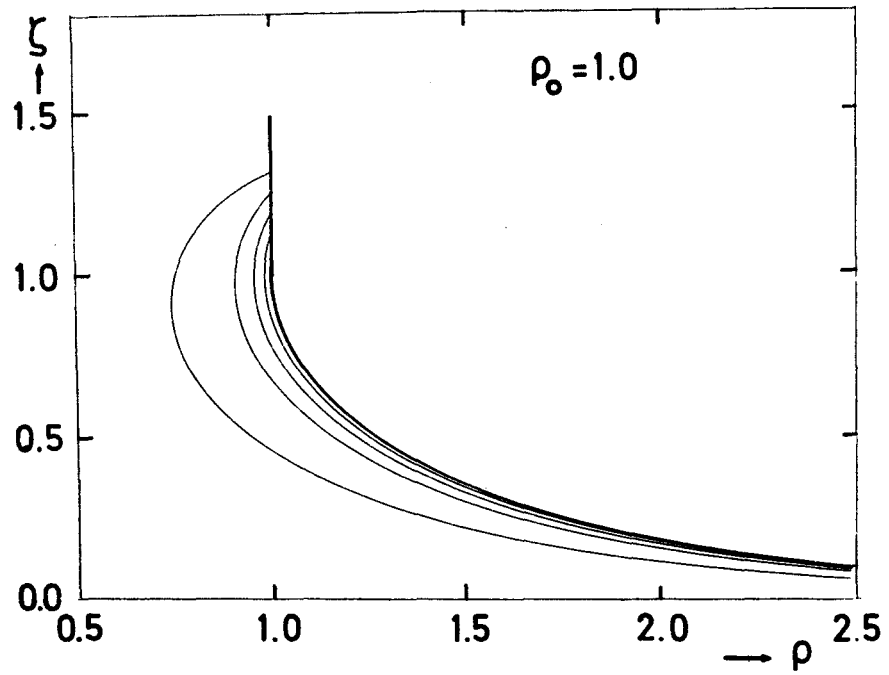


Fig. 4a: Meniscus shapes in the ζ_0 range with decreasing crystal diameter for different ζ_0 values ($\zeta_{\perp} \leq \zeta_0 \leq \zeta_{\max}$).

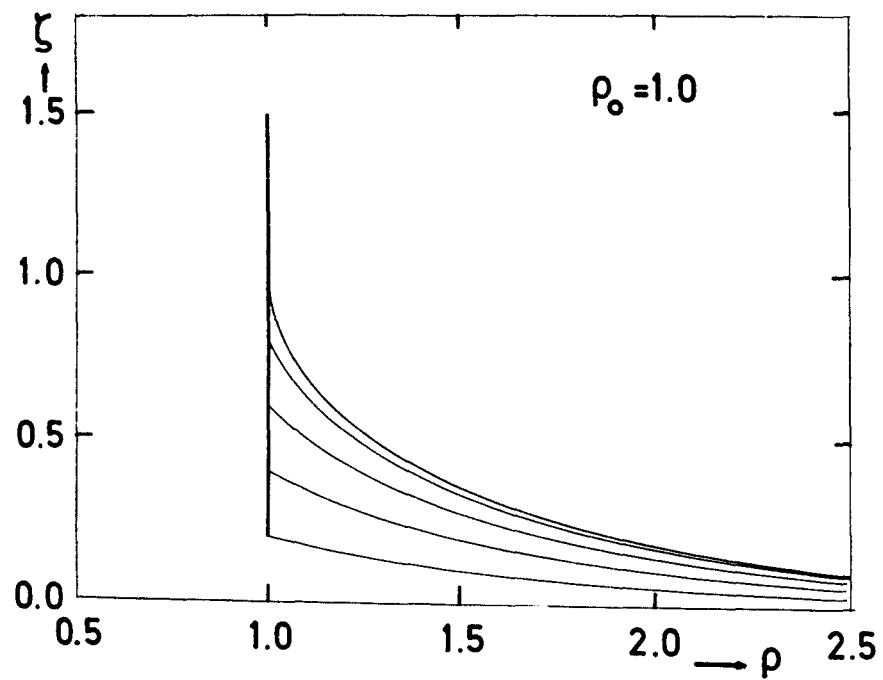


Fig. 4b: Meniscus shapes in the ζ_0 range with increasing crystal diameter ($0 < \zeta_0 \leq \zeta_{\perp}$).

Si and 37.8 mm for Cu (the K values underlying these diameters according to eq. (2) are: 3.39 mm (Ge), 5.6 mm (Si) and 3.5 mm (Cu) /33/). The increments in ρ_0 and α were chosen in such a manner that for the physically relevant regions a linear interpolation always seems appropriate. In table 2 the maximum height $\zeta_{\max}$ and its corresponding angle $\alpha_{\min}$ are given. For the experimental determination of the capillary constant $a = \sqrt{2} \cdot K$ during Czochralski growth the radius to height ratio $\Omega = \rho_0 / \zeta_0$ will be needed, as shown in part 5. This function $\Omega(\alpha, \rho_0)$ has been tabulated in table 3.

Especially important in crystal growth are the maximum height $\zeta_{\max}$ and the stationary height $\zeta_{\perp}$, which are drawn in fig. 5a over a large range of ρ_0 values (curve 1 and 2 respectively). From this picture it becomes clear that for very small radii (less than about 0.1), the difference between these two curves (curve 3) is at least an order of magnitude smaller than the heights themselves. This also is evident from fig. 5b, where $\alpha_{\min}$ is plotted against the same ρ_0 range as in fig. 5a; for $\rho_0 = 0.1$ the difference between $\alpha_{\min}$ and the stationary angle $\alpha = 0^\circ$ is reduced to about 20° and slowly tends to zero with decreasing ρ_0 .

Now we shall consider analytical approximations and compare them with our results. At first the expression of Tsivinskii /12/, which gives a relation between ζ_0 , α and ρ_0 , will be discussed. A short re-derivation of this formula can be obtained in the following way.

We write for the second term of eq. (4):

$$\frac{1}{R_2} = \frac{1}{\rho \sqrt{1+\rho'^2}} \quad . \quad (13)$$

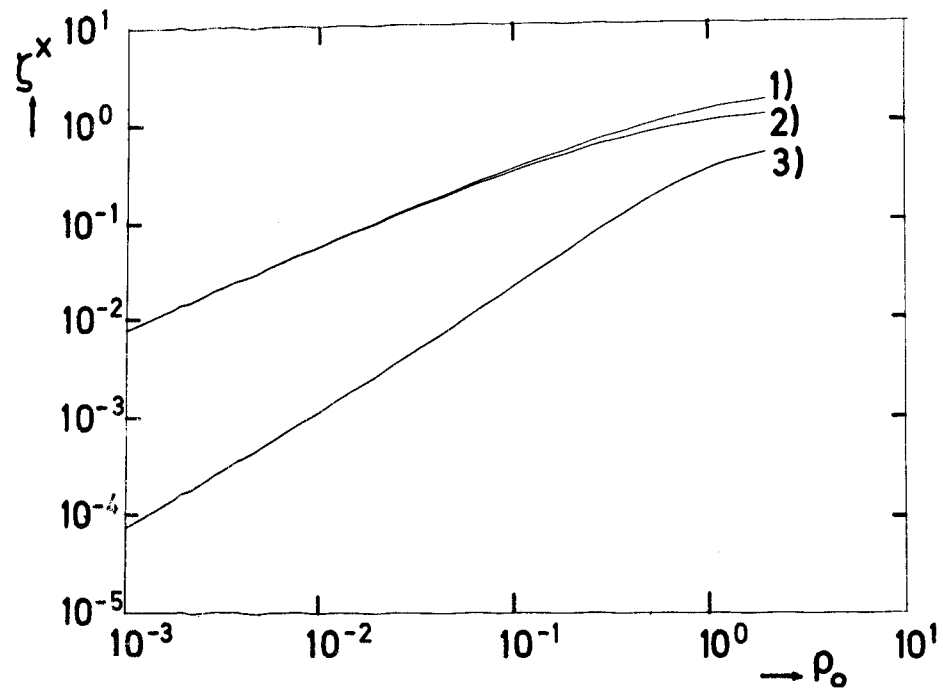


Fig. 5a: Different interface heights as a function of crystal radius. ζ^x stands for the maximum height $\zeta_{\max}$ (curve 1), the stationary height $\zeta_{\perp}$ (curve 2) and the difference between these two heights (curve 3).

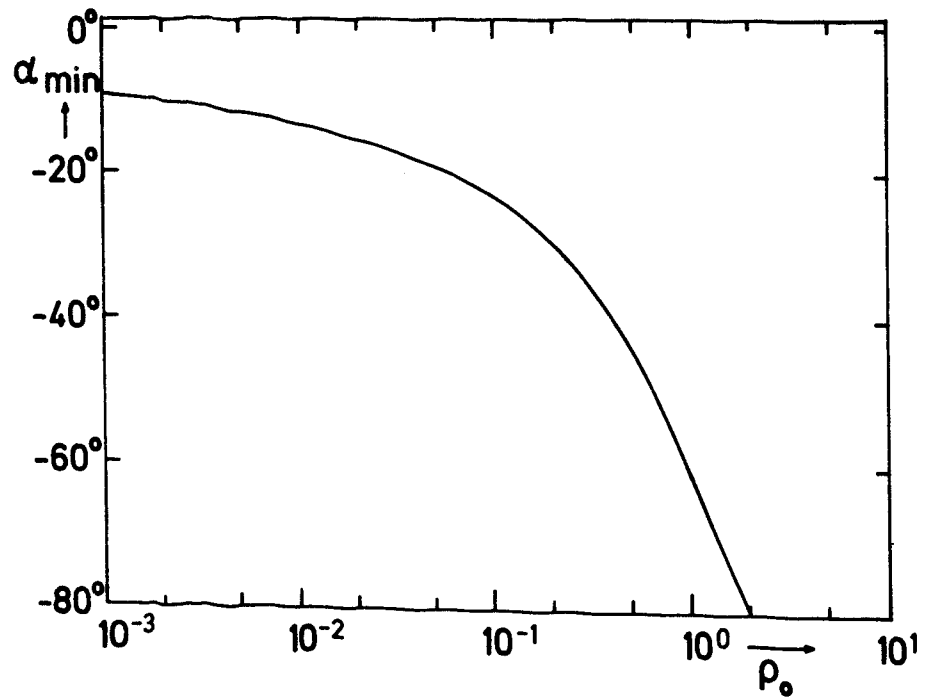


Fig. 5b: The break-off angle $\alpha_{\min}$ as a function of the crystal radius.

A Taylor series expansion about $\zeta = \zeta_0$ yields:

$$\frac{1}{R_2} = \left(\frac{1}{R_2} \right)_{\zeta_0} + \left(\frac{d}{d\zeta} \frac{1}{R_2} \right)_{\zeta_0} \cdot (\zeta - \zeta_0) + \dots \quad (14)$$

Following Tsivinskii, the first derivative in eq. (14) is approximated by the difference quotient between height ζ_0 and the free surface:

$$\left(\frac{d}{d\zeta} \frac{1}{R_2} \right)_{\zeta_0} \approx \frac{1}{\zeta_0} \left[\left(\frac{1}{R_2} \right)_{\zeta_0} - \left(\frac{1}{R_2} \right)_0 \right]. \quad (15)$$

Inserting

$$\left(\frac{1}{R_2} \right)_{\zeta_0} = \frac{\cos \alpha}{\rho_0} \quad \text{and} \quad \left(\frac{1}{R_2} \right)_0 = 0$$

into eq. (15) one obtains the following approximation for eq. (14):

$$\frac{1}{R_2} \approx \frac{\cos \alpha}{\rho_0 \zeta_0} \cdot \zeta. \quad (16)$$

Now eq. (4) can be integrated once with the result:

$$\frac{\rho'}{\sqrt{1+\rho'^2}} \Big|_0^{\zeta_0} = \left[1 + \frac{\cos \alpha}{\rho_0 \zeta_0} \right] \frac{1}{2} \zeta_0^2.$$

With our definition of α : $\rho'(\zeta_0) = -\tan \alpha$ this yields:

$$\zeta_0(\alpha, \rho_0) = \sqrt{2} \cdot \sqrt{1 - \sin^2 \alpha + \frac{\cos^2 \alpha}{8\rho_0^2}} - \frac{\cos \alpha}{2\rho_0}. \quad (17)$$

This is the formula of Tsivinskii for the free surface.

The special case of the Tsivinskii approximation for $\alpha = 0^\circ$ is derived by Gaulé and Pastore /11/:

$$\zeta_{\perp}(\rho_0) = \sqrt{2} \cdot \sqrt{1 + \frac{1}{8\rho_0^2}} - \frac{1}{2\rho_0} \quad (18)$$

(eq. (A 4) of /11/).

Near the stationary height ($\sin\alpha \approx \alpha$) the approximation of Tsivinskii eq. (17) gives the following expression:

$$\zeta_0(\alpha, \rho_0) = \zeta_{\perp}(\rho_0) - \frac{1}{\sqrt{2} \cdot \sqrt{1 + \frac{1}{8\rho_0^2}}} \cdot \alpha. \quad (19)$$

Gaulé and Pastore also derive this formula for small α values, but due to an inconsistency in the consideration of terms linear in α , they obtain the result (eq. (6a) of /11/):

$$\zeta_0(\alpha, \rho_0) = \zeta_{\perp}(\rho_0) - \zeta_{\perp}(\rho_0) \cdot \alpha. \quad (20)$$

Figs. 6a and 6b show $\zeta_0(\alpha, \rho_0)$ as a function of α for different ρ_0 values (fig. 6a for the exact case, fig. 6b for the Tsivinskii approximation). One observes that general agreement exists for large ρ_0 values, and that for angles $\alpha \geq 0^\circ$ both sets of curves show similar behaviour, namely decreasing to zero, as α approaches 90° . In the range $\alpha < 0^\circ$ we have a strikingly different behaviour in that the approximation does not show the effect of maximum height. Instead all curves tend to $\zeta_0 = 2$ for $\alpha = -90^\circ$. This, however, is valid only in the limit $\rho_0 \rightarrow \infty$.

For understanding the range of validity the following considerations may be made. For α values near 90° both approximations eqs. (14) and (15) are well justified. This means, on the other hand, that for α tending to 0° and especially reaching negative values, approximation (15) gets progressively worse. Independently $1/R_2$ of eq. (13) assumes its maximum value at $\zeta = \zeta_{\perp}$ and is therefore always bounded by

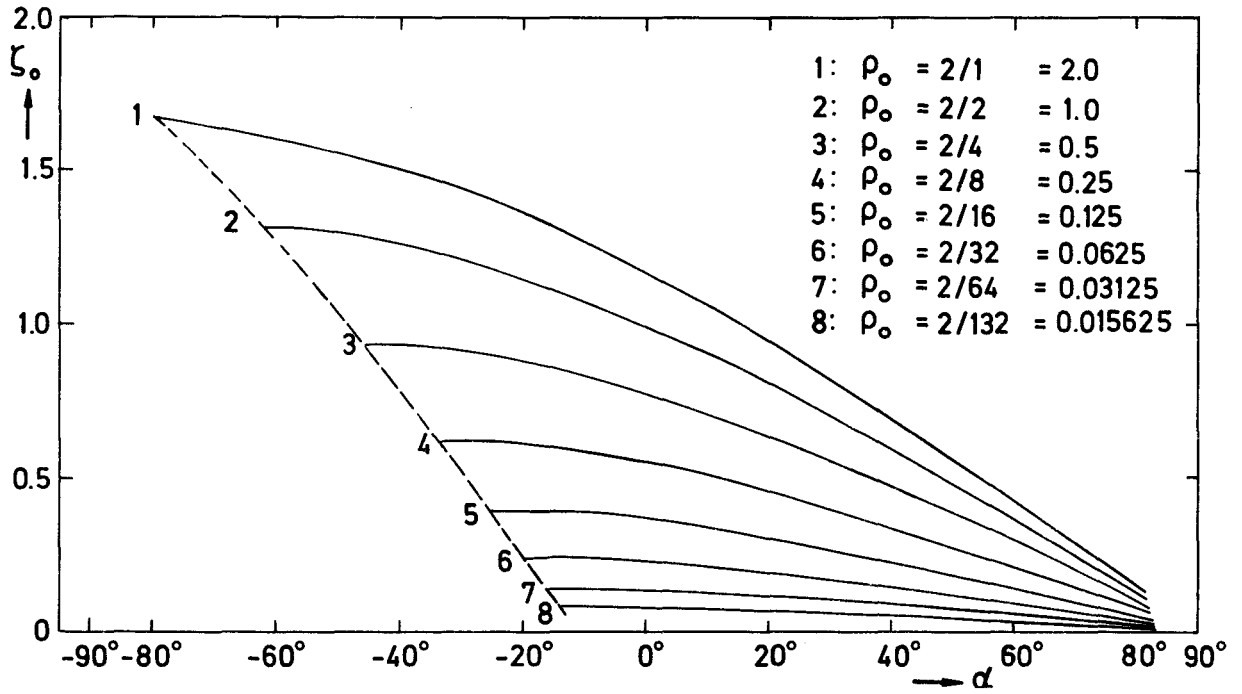


Fig. 6a: Interface height as a function of α . The parameter ρ_0 decreases geometrically. The dotted line gives $\zeta_{\max}$.

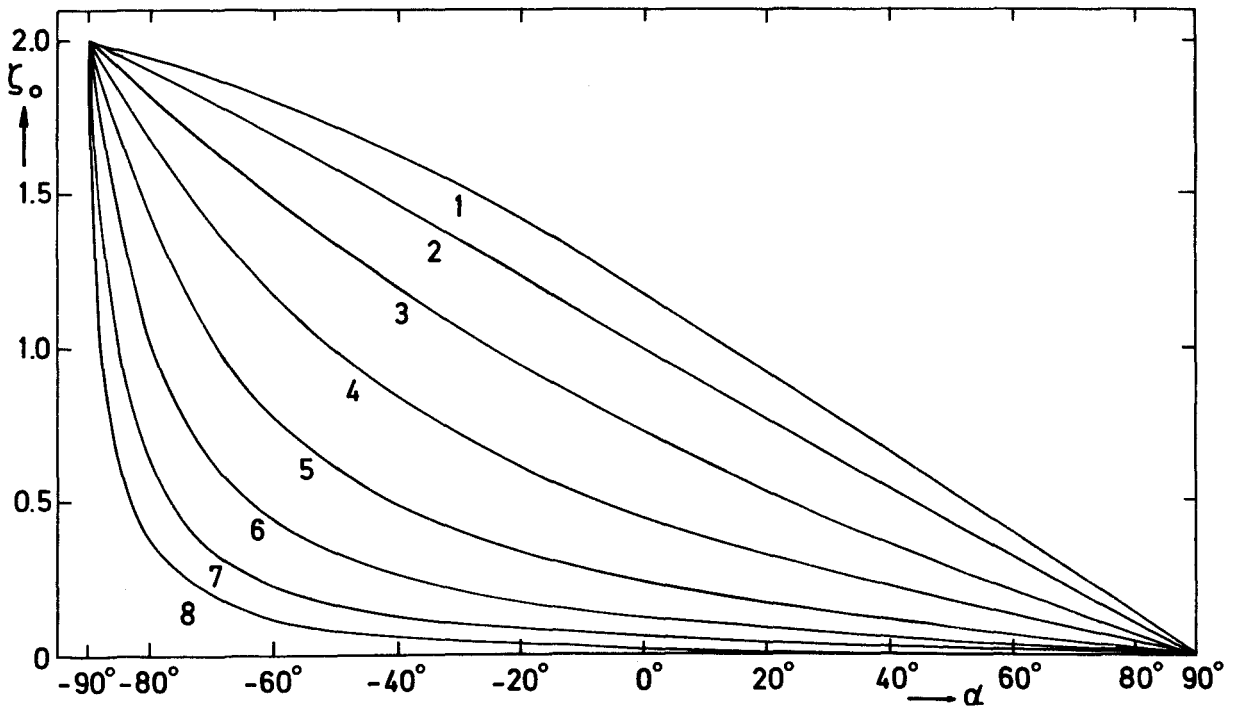


Fig. 6b: The same set of curves as in fig. 6a for the Tsivinskii approximation. For all curves, $\zeta_{\max} = 2$ at $\alpha = -90^\circ$.

$$\frac{1}{R_2} \leq \frac{1}{\rho_{\perp}} , \quad (21)$$

so that for large $\rho_{\perp}$ values ($\rho_{\perp} \gg \zeta_0$), the term described by eq. (13) is negligible when solving eq. (4).

A further approximation is given by Ferguson (1912) /25/ and by Heywang (1956) /10/ based on the following concept. The rod or the crystal diameter ρ_0 respectively may be large compared to the meniscus height ζ_0 (the maximum value of ζ_0 is equal to 2 for infinite ρ_0). In this case the second term of the main differential eq. (4) may be replaced approximately by:

$$\frac{1}{\rho \sqrt{1+\rho'^2}} \approx \frac{\zeta}{\rho} \cdot \sqrt{1 - \frac{\zeta^2}{4}} . \quad (22)$$

Both authors set $\rho = \rho_{\perp}$ on the right hand side of (22), which is justified since for $\zeta \approx \zeta_{\perp}$, $\rho(\zeta)$ changes only weakly because of $\rho'(\zeta_{\perp}) = 0$. With this approximation Ferguson obtains analytically the first integral of eq. (4); as a special result he gets an equation for the stationary height $\zeta_{\perp}(\rho_{\perp})$:

$$\frac{\zeta_{\perp}^2}{2} - 1 + \frac{4}{3\rho_{\perp}} \cdot \left[1 - \left(1 - \frac{\zeta_{\perp}^2}{4} \right)^{3/2} \right] = 0 . \quad (23)$$

Heywang introduces into relation (22) a further, in our opinion not quite valid, simplification:

$$\sqrt{1 - \frac{\zeta^2}{4}} \approx 1 ,$$

which reduces eq. (22) to:

$$\frac{1}{\rho \sqrt{1+\rho'^2}} \approx \frac{\zeta}{\rho_{\perp}} , \quad (24)$$

from which he obtains the wanted analytical expression for $\zeta_{\perp}$:

$$\zeta_{\perp}(\rho_{\perp}) = \left[\frac{2}{1 + \frac{1}{\rho_{\perp}}} \right]^{1/2} \quad (25)$$

The approximations of both authors, eqs. (23) and (25), show the same analytical behaviour for small values of $\rho_{\perp}$, namely:

$$\zeta_{\perp}(\rho_{\perp}) \approx \sqrt{2\rho_{\perp}} \quad (26)$$

and, as expected, they tend to $\zeta_{\perp} = \sqrt{2}$ for infinite $\rho_{\perp}$.

With eq. (24) it is now possible to calculate the second integral of eq. (4) analytically in the same way as when solving the problem of the rod with infinite radius. In this case the meniscus shape is given by:

$$\rho(\zeta) = \frac{1}{\sqrt{1 + \frac{1}{\rho_{\perp}}}} \cdot \left[\sqrt{2} - \sqrt{4-x^2} + \ln \frac{2+\sqrt{4-x^2}}{(1+\sqrt{2}) \cdot x} \right] + \rho_{\perp} \quad (27)$$

with

$$x = \sqrt{1 + \frac{1}{\rho_{\perp}}} \cdot \zeta,$$

For finding a solution through an arbitrary joining point (ζ_0, ρ_0) , only an iteration with respect to $\rho_{\perp}$ for the given $\zeta = \zeta_0$ and $\rho(\zeta_0) = \rho_0$ has to be made.

The approximations discussed above are valid for large ρ_0 . For the case of small ρ_0 , recently James /15/ has published an approximation for the meniscus shape. Especially for the height of the contact circle, which in terms of crystal growth is identical with the interface height, he finds (eq. (4) of /15/ written in our notation):

$$\zeta_0(\alpha, \rho_0) = \rho_0 \cdot \cos \alpha \left[\ln \frac{4}{\rho_0(1+\sin \alpha)} - \gamma \right] \quad (28)$$

with the Euler constant $\gamma = 0.57712 \dots$. From this equation, the stationary case $\alpha = 0^\circ$ leads to:

$$\zeta_{\perp}(\rho_{\perp}) = \rho_{\perp} \left(\ln \frac{4}{\rho_{\perp}} - \gamma \right), \quad (29)$$

with the limiting behaviour for $\rho_{\perp} \rightarrow 0$:

$$\zeta_{\perp}(\rho_{\perp}) \approx \rho_{\perp} \cdot \ln \frac{1}{\rho_{\perp}}, \quad (30)$$

which is in contrast to eq. (26).

In the following we shall compare the range of validity of the described approximations with our numerical results for some typical examples. First we shall discuss the solid-liquid interface height $\zeta_0(\alpha, \rho_0)$ for different joining angles α . This is plotted for $\rho_0 = 1.0$ in fig. 7a and for $\rho_0 = 0.01$ in fig. 7b. It is seen that both the Heywang and the James approximations show a maximum height for a certain angle $\alpha_{\min} > -90^\circ$ (in contrast to Tsivinskii). There is general agreement for $\rho_0 = 1.0$ (fig. 7a) for Heywang, whereas James shows stronger deviations, as expected for this large ρ_0 value. The opposite situation is found for small ρ_0 values ($\rho_0 = 0.01$ in fig. 7b) where the excellent agreement between the James approximation and the numerical solution should be pointed out.

Of special interest for crystal growth is the dependence of the stationary height on the crystal radius. Therefore, the function $\zeta_{\perp}(\rho_{\perp})$ is plotted in fig. 8a for all considered approximations including the numerical solution. Except for the approximation of James all other approximations are roughly valid over the whole range of ρ_0 . For a more quantitative discussion the relative deviations from the exact solution $\zeta_{\text{ex.}}$: $\Delta_r = (\zeta_{\text{app.}} - \zeta_{\text{ex.}}) / \zeta_{\text{ex.}}$ are shown in fig. 8b. Again the high accuracy of the James solution can be observed for small ρ_0 values. For large ρ_0 ($\rho_0 > 2$) the Ferguson approximation tends to $\sqrt{2}$ most rapidly, whereas the other curves converge to this limit more slowly. The explanation of this property is found by considering the asymptotic behaviour:

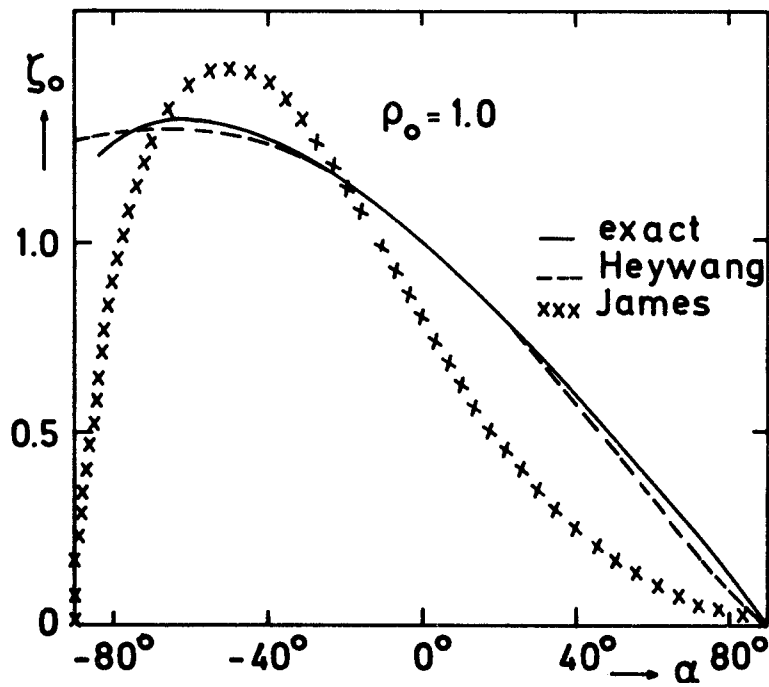


Fig. 7a: Interface height as a function of α . Comparison of different approximations with the numerical result ($\rho_0 = 1.0$).

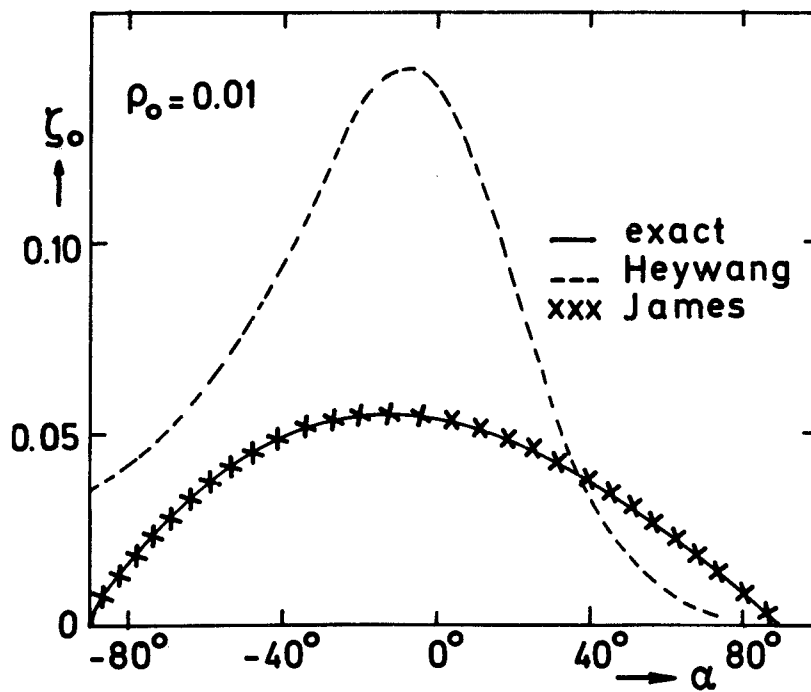


Fig. 7b: The same as fig. 7a, but with a small ρ_0 value ($\rho_0 = 0.01$).

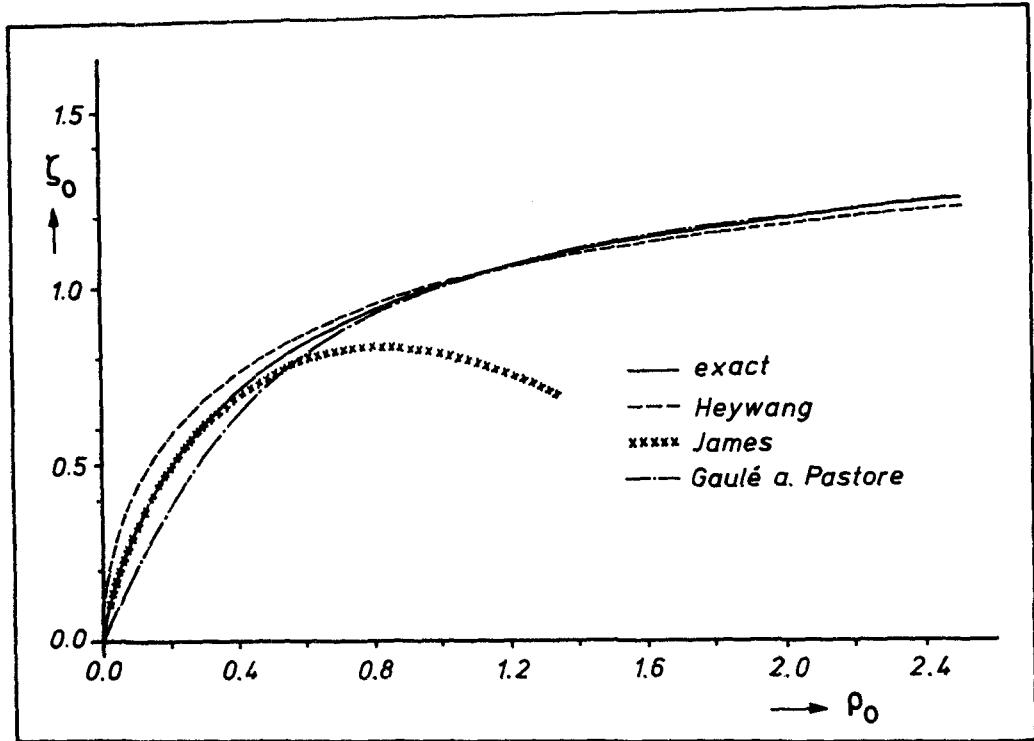


Fig. 8a: Interface height for stationary growth as a function of ρ_0 , comparison of different approximations.

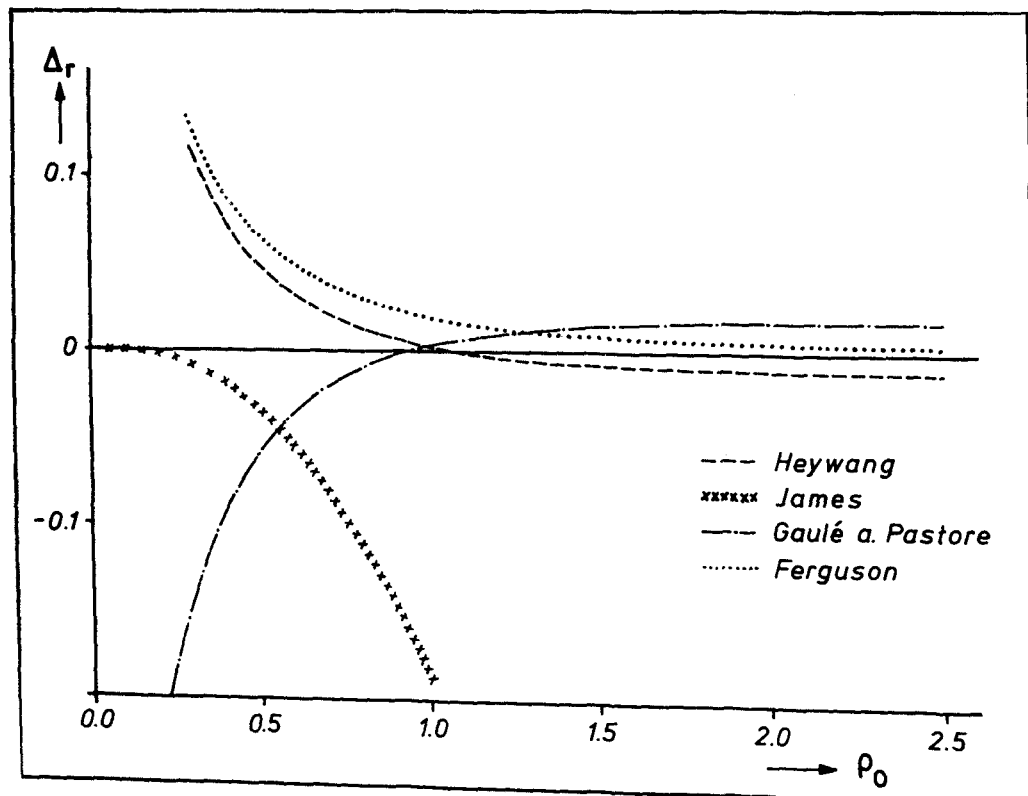


Fig. 8b: Relative deviations of the discussed approximations referred to the exact solution for the case of stationary growth.

$$\zeta_{\perp}(\rho_{\perp}) = \sqrt{2} \cdot (1 - a \cdot \frac{1}{\rho_{\perp}}) + O(\frac{1}{\rho_{\perp}^2}) \quad (31)$$

with $a = \frac{1}{2}$ (Heywang), $a = (2 - \sqrt{2})/3 = 0.432$ (Ferguson) and $a = 2^{-3/2} = 0.354$ (Gaulé). Since only Ferguson is exact to this order, the other two approximations must necessarily behave as shown in fig. 8b.

5. Conclusions

In this final part we want to draw some conclusions regarding Czochralski growth, to give limitations of the applicability and to indicate possible extensions.

The existence of the break-off angle $\alpha_{\min}$ has a definite effect for the necking-in process during crystal growth when it is necessary to reach neck diameters as small as possible. From our results one can conclude that during necking with a certain slope angle $\alpha < 0^\circ$, arbitrarily small diameters may not be reached. For $\rho_0 = \rho_0(\alpha_{\min})$ (fig. 5b) the meniscus will break off. In order to obtain a rather thin neck diameter, one can proceed in two ways: Either the neck is pulled from the beginning with a constant, but small negative slope angle α , such that in fig. 6a the corresponding line $\alpha = \text{const}$ meets the wanted minimum diameter still in the stability region, or the process of necking-in is started with a strong negative α value. In this case, α has to be increased appropriately towards $\alpha = 0^\circ$, reaching it at the desired neck-diameter. The second possibility means that down to the minimum neck a curve is followed close to the dashed curve of fig. 6a.

The calculated meniscus shapes are also valid for the liquid encapsulation method. In this case one has to replace K of eqs. (2) by

$$K = \sqrt{\frac{\sigma_{lf}}{g(d_1 - d_f)}} \quad , \quad (32)$$

where

- σ_{lf} is the interfacial tension between melt and encapsulating fluid,
- d_1 is the melt density,
- d_f is the density of the encapsulating fluid.

A particular problem will arise if both densities are nearly equal since K will become large. The consequences of this case will be discussed below.

Until now we have assumed the contact angle β to be zero. As pointed out by Bardsley et al. /26/, this assumption is not at all valid for different materials. For the case that β is not equal to zero (fig. 1a), one has to distinguish between the joining angle α and the growing angle α^* :

$$\alpha = \alpha^* + \beta \quad . \quad (33)$$

For β independent of orientation and therefore of the azimuth angle, the meniscus shape is determined as before, however, using α as defined by eq. (33).

The Czochralski method in principle offers the possibility, as already mentioned in part 2, to determine experimentally the capillary constant $a = \sqrt{2} \cdot K$ and therefore the surface tension when the density of the melt is known. For this purpose the following procedure may be used. Knowing the solution of the Euler-Laplace equation (4) the scaling equations of type (2) can be written as:

$$R = K \cdot \rho_0 \quad (34a)$$

$$H = K \cdot \zeta_0(\alpha, \rho_0) \quad . \quad (34b)$$

When R , H and α are known values, K can be eliminated by calculating the ratio $\Omega = R/H$. Using table 3 one finds for this Ω with the known value of α the corresponding ρ_0 . With eq. (34a) one finally finds $K = R/\rho_0$. The values of R , H and α may be determined experimentally either photographically or using a television method as in our case /7, 8/. - One should notice, however, that the meniscus will always exhibit a temperature gradient for the Czochralski method /2, 3/, such that K will be averaged over a certain temperature range.

For controlling the crystal diameter by the weighing method (see e.g. /4, 5/), it is important to know the force which results from the adhering meniscus. Calculating the weight, F_σ , of the melt below the meniscus one gets:

$$F_{\sigma} = K \cdot \sigma \left[2\pi\rho_0 \cos\alpha + \pi\rho_0^2\zeta_0 + f \cdot v \right], \quad (35)$$

where $f = (\frac{d_s}{d_l} - 1)$ with d_s the density of the solid and v the dimensionless volume caused by the nonplanar interface. For a convex form of the interface (seen from the crystal) v is positive (negative if the interface is concave). Formula (35) is not only valid for constant growth conditions, as are the corresponding expressions in /4/ and /5/, but also for nonstationary growth. When ignoring the last term of eq. (35), F_{σ} may be calculated using table 1. For $\beta \neq 0^\circ$ the angle α in eq. (35) is given by eq. (33).

In the foregoing we only considered menisci with plane interfaces. When additionally we assume the crystal edge at the interface to be rounded (fig. 1a), at least infinitesimally, then all angles α required by the mathematical treatment will exist physically. Also in the case of nonplanar interfaces a physical limitation of the range of angles can be disregarded. This means, that all of our results are also applicable for convex or concave interfaces. Recent experimental observations, however, indicate that, though the stability criteria are fulfilled for the meniscus, a break-off may occur if the interface is so highly convex (into the crystal) that the interface height along the crystal axis greatly exceeds the meniscus height ζ_0 .

An important aspect we must now discuss concerns the second boundary condition, eq. (5b). In this connection two problems may arise which could invalidate the assumption of the free surface boundary condition so that our results would no longer be applicable.

1. Our results are valid if for the crystal radius R and the crucible radius R_c the condition

$$R \ll R_c \quad (36)$$

is fulfilled. If R_c is comparable to R , then the wetting angle at the crucible and the finite crucible radius must be taken into account. Theoretical investigations including the stationary rotation of the crystal-crucible system are presently under study.

2. In addition to the requirement (36) we must also require the Bond number to be much greater than 1. That is,

$$\frac{R^2 \cdot g \cdot d}{\sigma} \gg 1. \quad (37)$$

This may not be valid for low g values or for the liquid encapsulation method with $d = d_l - d_f$ of eq. (32) (see e.g. /27/ for a discussion of the influence of g on the meniscus shape).

Although our results and also those of Heywang for instance are in principle independent of g , they are not valid for small g because the crucible boundary condition becomes important. For the mathematical treatment of the meniscus problem including low g values, it is more useful, instead of using the differential equation (4) with scaling equations (2), to solve the Laplace equation of the following form:

$$\frac{\rho''}{(1+\rho'^2)^{3/2}} - \frac{1}{\rho(1+\rho'^2)^{1/2}} - \epsilon^2 \zeta + \Pi = 0, \quad (38)$$

with

$$\rho = r/R_c, \quad \zeta = z/R_c, \quad \Pi = \frac{p}{\sigma} R_c, \quad \epsilon = \frac{R_T}{\sqrt{\frac{\sigma}{g \cdot d}}}. \quad (39)$$

The pressure term p or Π respectively is determined by the crucible boundary condition.

The generalization of β being dependent on the orientation as for example when growing Si /28/ or NaCl /29, 30/ is a much

more difficult problem. In these cases the crystal may develop facets so that the meniscus is not axisymmetric and the contact curve is not a plane curve but a complex spacial one. Similar difficulties arise when pulling crystals of nonaxisymmetric shape with the Stepanov method /31/ even for β independent of the orientation. In these cases one has to solve a partial differential equation satisfying complicated boundary conditions.

Acknowledgment

We want to thank Dr. H. Wenzl for his continuous interest.

Addendum

All numerical calculations were performed on the IBM/370-168 of the Zentralinstitut für Angewandte Mathematik of KFA Jülich and took about 9 hours computing time. On request the data are available on tape.

6. References

1. V.H.S. Kuo and W.R. Wilcox, J. Crystal Growth 12 (1972) 191.
2. W. Uelhoff and K.J. Gärtner, Report on the IV. All-Union Conference on Crystal Growth, Tsakhkadzor, UDSSR, 1972; to be published in "Growth of Crystals" ("Rost kristallov").
3. H. Wenzl and W. Uelhoff, Kristall und Technik 8 (1973) 1233.
4. W. Bardsley, B. Cockayne, G.W. Green, D.T.J. Hurle, G.C. Joyce, J.M. Roslinton, P.J. Tufton, H.C. Webber and M. Healey, J. Cryst. Growth 24/25 (1974) 369.
5. H.J.A. van Dijk, J. Goorissen, U. Gross, R. Kersten and J. Pistorius, Acta Electronica 17 (1974) 45.
6. D.F. O'Kane, T.W. Kwap, L. Gulitz and A.L. Bednowitz, J. Cryst. Growth 13/14 (1972) 624.
7. K.J. Gärtner, K.F. Rittinghaus, A. Seeger and W. Uelhoff, J. Cryst. Growth 13/14 (1972) 619.
8. K.J. Gärtner and W. Uelhoff, Opitk 37 (1973) 15.
9. U. Gross and R. Kersten, J. Cryst. Growth 15 (1972) 85.
10. W. Heywang, Z. Naturforschg. 11a (1956) 238.
11. G.K. Gaulé and J.R. Pastore, Met. Soc. Conf. 12 (1961) 201.
12. S.V. Tsivinskii, Inzh. Fiz. Zh. 5 (1962) 59.
13. J.F. Padday, Phil. Trans. Royal Soc. London, series A 269 (1971) 265.
14. D.A. White and J.A. Tallmadge, J. Fluid Mech. 23 (1965) 325.
15. D.F. James, J. Fluid Mech. 63 (1974) 657.
16. R. Finn, Uspechi Mat. Nauk, 74 (1974), also appeared as preprint no. 15 of Sonderforschungsbereich 72: Approximation und Optimierung, Universität Bonn.
17. C. Huh and L.E. Scriven, J. Colloid Interface Sci. 30 (1969) 323.
18. J.F. Padday and A.R. Pitt, Phil. Trans. Royal Soc. London, series A 275 (1973) 489.
19. M.M. Nicolson, Proc. Cambridge Phil. Soc. 45 (1949) 288.
20. E. Pitts, J. Fluid Mech. 59 (1973) 753.
21. E. Pitts, J. Fluid Mech. 63 (1974) 487.
22. P. Funk, Variationsrechnung und ihre Anwendung in Physik und Technik (Springer, Berlin-Heidelberg-New York, 1970) pp. 132.

23. I.M. Gelfand and S.V. Fomin, Calculus of Variations (Prentice Hall, 1964) pp. 97
24. L.E. Elsgolc, Calculus of Variations (Pergamon Press, 1961), German Translation: Variationsrechnung (Bibliograph. Inst., Mannheim, 1970) pp.91.
25. A. Ferguson, Phil. Mag. (Series 6) 24 (1912)837.
26. W. Bardsley, F.C. Frank, G.W. Green and D.T.J. Hurle, J. Cryst. Growth 23 (1974) 341.
27. S.R. Corriell and S.C. Hardy, Third Space Processing Symposium, Skylab Results, Vol. II (1974) 349.
28. T.F. Ciszek, J. Cryst. Growth 10 (1971) 263.
29. G.G. Goujon, Mécanismes de croissance et morphologie de monocristaux de NaCl obtenus par la méthode de Czochralski, Thesis, Université d'Aix-Marseille, 1969.
30. D. Fehmer, Die Züchtung von Natriumchlorid-Einkristallen nach dem Czochralski-Verfahren, Diplomarbeit, Universität Münster, 1968.
31. A.V. Stepanov, Zh. Tekhn. Fiz. 24 (1959) 381.
32. K. Mika and W. Uelhoff, submitted to J. Cryst. Growth.
33. P.H. Keck, M. Green and M.L. Polk, J. Appl. Phys. 24 (1953) 1479.

Interface heights ζ_0 as a function of
the angle α and radius ρ_0 .

$\zeta_0(\alpha, \rho_0)$

$\alpha \backslash \rho_0$	0.01	0.02	0.03	0.04	0.05	0.06
88	0.00165	0.00281	0.00380	0.00467	0.00546	0.00618
86	0.00330	0.00563	0.00760	0.00934	0.01092	0.01236
84	0.00494	0.00844	0.01139	0.01400	0.01636	0.01852
82	0.00658	0.01124	0.01518	0.01866	0.02180	0.02468
80	0.00821	0.01403	0.01895	0.02330	0.02723	0.03082
78	0.00984	0.01681	0.02271	0.02792	0.03263	0.03694
76	0.01146	0.01958	0.02645	0.03253	0.03801	0.04304
74	0.01307	0.02233	0.03018	0.03711	0.04337	0.04911
72	0.01467	0.02507	0.03388	0.04167	0.04870	0.05515
70	0.01626	0.02779	0.03756	0.04619	0.05400	0.06115
68	0.01783	0.03048	0.04121	0.05069	0.05926	0.06712
66	0.01939	0.03316	0.04482	0.05515	0.06448	0.07304
64	0.02093	0.03580	0.04841	0.05957	0.06966	0.07891
62	0.02245	0.03842	0.05196	0.06395	0.07479	0.08474
60	0.02396	0.04101	0.05547	0.06828	0.07987	0.09050
58	0.02544	0.04356	0.05894	0.07257	0.08490	0.09621
56	0.02691	0.04608	0.06237	0.07680	0.08986	0.10186
54	0.02835	0.04857	0.06575	0.08098	0.09477	0.10743
52	0.02976	0.05101	0.06908	0.08510	0.09961	0.11294
50	0.03115	0.05342	0.07236	0.08916	0.10438	0.11837
48	0.03252	0.05578	0.07558	0.09315	0.10908	0.12372
46	0.03385	0.05810	0.07874	0.09708	0.11370	0.12899
44	0.03516	0.06037	0.08185	0.10093	0.11825	0.13417
42	0.03643	0.06259	0.08489	0.10471	0.12270	0.13926
40	0.03768	0.06476	0.08787	0.10841	0.12707	0.14425
38	0.03889	0.06688	0.09077	0.11204	0.13135	0.14914
36	0.04007	0.06894	0.09361	0.11557	0.13554	0.15393
34	0.04121	0.07094	0.09637	0.11902	0.13962	0.15861
32	0.04231	0.07289	0.09906	0.12238	0.14361	0.16317
30	0.04338	0.07477	0.10166	0.12565	0.14748	0.16762
28	0.04441	0.07660	0.10419	0.12881	0.15125	0.17195
26	0.04540	0.07835	0.10663	0.13188	0.15490	0.17615
24	0.04635	0.08004	0.10898	0.13484	0.15843	0.18022
22	0.04725	0.08166	0.11124	0.13770	0.16185	0.18416
20	0.04812	0.08321	0.11341	0.14045	0.16513	0.18796
18	0.04893	0.08469	0.11549	0.14308	0.16829	0.19161
16	0.04971	0.08610	0.11747	0.14559	0.17131	0.19512
14	0.05043	0.08742	0.11935	0.14799	0.17420	0.19848
12	0.05111	0.08867	0.12112	0.15026	0.17694	0.20168
10	0.05174	0.08984	0.12279	0.15240	0.17954	0.20471
8	0.05233	0.09093	0.12435	0.15442	0.18199	0.20759
6	0.05286	0.09193	0.12580	0.15630	0.18429	0.21029
4	0.05334	0.09285	0.12714	0.15804	0.18643	0.21281
2	0.05377	0.09368	0.12836	0.15964	0.18841	0.21516
0	0.05414	0.09442	0.12946	0.16110	0.19022	0.21732

Table 1

ρ_0 α	0.01	0.02	0.03	0.04	0.05	0.06
-2	0.05446	0.09507	0.13044	0.16242	0.19186	0.21929
-4	0.05473	0.09563	0.13130	0.16358	0.19333	0.22107
-6	0.05494	0.09609	0.13204	0.16459	0.19462	0.22265
-8	0.05510	0.09646	0.13264	0.16544	0.19573	0.22402
-10	0.05520	0.09674	0.13312	0.16614	0.19666	0.22519
-12	0.05524	0.09691	0.13346	0.16667	0.19739	0.22614
-14		0.09698	0.13366	0.16703	0.19793	0.22687
-16			0.13373	0.16722	0.19828	0.22738
-18					0.19841	0.22765
-20						
-22						
-24						
-26						
-28						
-30						
-32						
-34						
-36						
-38						
-40						
-42						
-44						
-46						
-48						
-50						
-52						
-54						
-56						
-58						
-60						
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	0.07	0.08	0.09	0.10	0.11	0.12
88	0.00685	0.00747	0.00805	0.00860	0.00911	0.00960
86	0.01369	0.01493	0.01609	0.01719	0.01822	0.01920
84	0.02052	0.02239	0.02413	0.02577	0.02732	0.02879
82	0.02734	0.02983	0.03215	0.03434	0.03641	0.03837
80	0.03415	0.03725	0.04015	0.04289	0.04547	0.04792
78	0.04093	0.04465	0.04814	0.05141	0.05451	0.05745
76	0.04769	0.05203	0.05609	0.05991	0.06352	0.06695
74	0.05442	0.05937	0.06401	0.06837	0.07250	0.07641
72	0.06112	0.06668	0.07189	0.07680	0.08144	0.08584
70	0.06778	0.07395	0.07973	0.08518	0.09033	0.09521
68	0.07439	0.08117	0.08753	0.09352	0.09917	0.10454
66	0.08096	0.08835	0.09527	0.10180	0.10796	0.11381
64	0.08748	0.09547	0.10296	0.11002	0.11669	0.12302
62	0.09395	0.10253	0.11059	0.11818	0.12536	0.13216
60	0.10035	0.10954	0.11815	0.12627	0.13395	0.14123
58	0.10669	0.11647	0.12565	0.13429	0.14247	0.15023
56	0.11297	0.12334	0.13307	0.14224	0.15091	0.15914
54	0.11917	0.13012	0.14040	0.15010	0.15926	0.16796
52	0.12529	0.13683	0.14766	0.15787	0.16753	0.17670
50	0.13134	0.14345	0.15482	0.16555	0.17569	0.18533
48	0.13730	0.14998	0.16189	0.17313	0.18376	0.19386
46	0.14317	0.15642	0.16886	0.18060	0.19172	0.20228
44	0.14895	0.16276	0.17573	0.18797	0.19957	0.21058
42	0.15462	0.16899	0.18249	0.19523	0.20730	0.21876
40	0.16020	0.17511	0.18913	0.20236	0.21490	0.22682
38	0.16566	0.18112	0.19565	0.20938	0.22238	0.23474
36	0.17102	0.18701	0.20205	0.21626	0.22972	0.24252
34	0.17625	0.19277	0.20832	0.22300	0.23692	0.25016
32	0.18137	0.19841	0.21445	0.22961	0.24398	0.25765
30	0.18636	0.20391	0.22044	0.23606	0.25088	0.26498
28	0.19122	0.20928	0.22628	0.24237	0.25763	0.27215
26	0.19594	0.21450	0.23198	0.24851	0.26421	0.27915
24	0.20052	0.21956	0.23751	0.25449	0.27062	0.28597
22	0.20496	0.22448	0.24288	0.26030	0.27685	0.29261
20	0.20925	0.22923	0.24808	0.26594	0.28290	0.29906
18	0.21338	0.23382	0.25311	0.27139	0.28876	0.30531
16	0.21735	0.23824	0.25796	0.27665	0.29442	0.31136
14	0.22116	0.24248	0.26262	0.28172	0.29988	0.31720
12	0.22480	0.24654	0.26709	0.28658	0.30513	0.32282
10	0.22826	0.25041	0.27136	0.29124	0.31016	0.32822
8	0.23154	0.25409	0.27542	0.29568	0.31497	0.33338
6	0.23463	0.25757	0.27927	0.29989	0.31954	0.33831
4	0.23754	0.26084	0.28291	0.30388	0.32388	0.34298
2	0.24024	0.26390	0.28632	0.30764	0.32797	0.34740
0	0.24275	0.26675	0.28950	0.31115	0.33180	0.35155

Table 1

$\rho_0 \backslash \alpha$	0.07	0.08	0.09	0.10	0.11	0.12
-2	0.24505	0.26937	0.29244	0.31440	0.33537	0.35544
-4	0.24713	0.27176	0.29514	0.31741	0.33867	0.35904
-6	0.24900	0.27392	0.29758	0.32014	0.34170	0.36234
-8	0.25064	0.27583	0.29977	0.32260	0.34443	0.36535
-10	0.25205	0.27749	0.30169	0.32478	0.34687	0.36805
-12	0.25323	0.27890	0.30334	0.32667	0.34900	0.37043
-14	0.25416	0.28005	0.30470	0.32825	0.35082	0.37248
-16	0.25485	0.28092	0.30577	0.32954	0.35231	0.37420
-18	0.25528	0.28152	0.30655	0.33050	0.35347	0.37556
-20	0.25545	0.28184	0.30702	0.33114	0.35429	0.37656
-22			0.30718	0.33144	0.35475	0.37719
-24						0.37744
-26						
-28						
-30						
-32						
-34						
-36						
-38						
-40						
-42						
-44						
-46						
-48						
-50						
-52						
-54						
-56						
-58						
-60						
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\alpha \backslash \rho_0$	0.13	0.14	0.15	0.16	0.17	0.18
88	0.01007	0.01051	0.01094	0.01134	0.01173	0.01211
86	0.02014	0.02102	0.02187	0.02268	0.02346	0.02421
84	0.03019	0.03152	0.03279	0.03401	0.03518	0.03630
82	0.04023	0.04201	0.04370	0.04532	0.04688	0.04837
80	0.05025	0.05247	0.05459	0.05661	0.05856	0.06042
78	0.06024	0.06290	0.06545	0.06788	0.07021	0.07244
76	0.07021	0.07331	0.07627	0.07911	0.08182	0.08443
74	0.08013	0.08368	0.08706	0.09030	0.09340	0.09638
72	0.09002	0.09400	0.09781	0.10145	0.10494	0.10829
70	0.09986	0.10428	0.10851	0.11255	0.11642	0.12014
68	0.10964	0.11451	0.11915	0.12359	0.12785	0.13194
66	0.11937	0.12467	0.12974	0.13458	0.13922	0.14368
64	0.12904	0.13478	0.14026	0.14550	0.15053	0.15535
62	0.13864	0.14481	0.15070	0.15635	0.16176	0.16695
60	0.14816	0.15477	0.16108	0.16712	0.17291	0.17847
58	0.15761	0.16465	0.17137	0.17781	0.18398	0.18990
56	0.16697	0.17444	0.18158	0.18841	0.19496	0.20125
54	0.17624	0.18414	0.19169	0.19891	0.20584	0.21249
52	0.18542	0.19374	0.20170	0.20932	0.21662	0.22364
50	0.19450	0.20325	0.21161	0.21962	0.22730	0.23467
48	0.20347	0.21264	0.22141	0.22980	0.23785	0.24559
46	0.21233	0.22192	0.23109	0.23987	0.24829	0.25639
44	0.22107	0.23107	0.24064	0.24981	0.25861	0.26706
42	0.22968	0.24010	0.25007	0.25962	0.26879	0.27759
40	0.23817	0.24900	0.25936	0.26930	0.27883	0.28799
38	0.24651	0.25776	0.26852	0.27883	0.28872	0.29823
36	0.25472	0.26637	0.27752	0.28820	0.29846	0.30832
34	0.26278	0.27483	0.28637	0.29743	0.30805	0.31825
32	0.27068	0.28314	0.29506	0.30649	0.31746	0.32802
30	0.27843	0.29127	0.30358	0.31537	0.32670	0.33760
28	0.28600	0.29924	0.31192	0.32408	0.33576	0.34700
26	0.29340	0.30703	0.32008	0.33261	0.34464	0.35621
24	0.30062	0.31463	0.32806	0.34094	0.35332	0.36523
22	0.30765	0.32204	0.33583	0.34907	0.36179	0.37404
20	0.31449	0.32925	0.34340	0.35699	0.37005	0.38263
18	0.32112	0.33626	0.35077	0.36470	0.37810	0.39100
16	0.32755	0.34305	0.35791	0.37218	0.38592	0.39914
14	0.33376	0.34961	0.36482	0.37944	0.39350	0.40704
12	0.33974	0.35595	0.37150	0.38645	0.40084	0.41470
10	0.34549	0.36205	0.37794	0.39321	0.40792	0.42209
8	0.35100	0.36790	0.38412	0.39972	0.41474	0.42922
6	0.35627	0.37350	0.39004	0.40596	0.42129	0.43608
4	0.36128	0.37883	0.39569	0.41192	0.42756	0.44264
2	0.36602	0.38389	0.40107	0.41760	0.43354	0.44892
0	0.37049	0.38867	0.40615	0.42298	0.43921	0.45488

Table 1

$\alpha \backslash \rho_0$	0.13	0.14	0.15	0.16	0.17	0.18
-2	0.37468	0.39316	0.41093	0.42806	0.44458	0.46053
-4	0.37857	0.39734	0.41541	0.43282	0.44962	0.46585
-6	0.38216	0.40122	0.41956	0.43725	0.45433	0.47082
-8	0.38545	0.40477	0.42339	0.44135	0.45869	0.47545
-10	0.38841	0.40800	0.42687	0.44509	0.46269	0.47971
-12	0.39104	0.41088	0.43000	0.44847	0.46632	0.48359
-14	0.39332	0.41340	0.43277	0.45148	0.46957	0.48707
-16	0.39526	0.41556	0.43516	0.45410	0.47242	0.49016
-18	0.39683	0.41734	0.43716	0.45631	0.47485	0.49282
-20	0.39802	0.41873	0.43875	0.45811	0.47687	0.49504
-22	0.39883	0.41972	0.43993	0.45948	0.47844	0.49681
-24	0.39923	0.42029	0.44067	0.46041	0.47955	0.49811
-26			0.44097	0.46087	0.48018	0.49893
-28						0.49924
-30						
-32						
-34						
-36						
-38						
-40						
-42						
-44						
-46						
-48						
-50						
-52						
-54						
-56						
-58						
-60						
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\alpha \backslash \rho_0$	0.19	0.20	0.22	0.24	0.26	0.28
88	0.01246	0.01281	0.01346	0.01407	0.01464	0.01517
86	0.02492	0.02561	0.02692	0.02813	0.02927	0.03034
84	0.03737	0.03841	0.04036	0.04219	0.04389	0.04550
82	0.04980	0.05118	0.05379	0.05622	0.05850	0.06063
80	0.06221	0.06393	0.06720	0.07024	0.07308	0.07575
78	0.07459	0.07666	0.08057	0.08422	0.08763	0.09083
76	0.08694	0.08935	0.09391	0.09817	0.10215	0.10588
74	0.09924	0.10200	0.10721	0.11208	0.11662	0.12089
72	0.11151	0.11461	0.12047	0.12594	0.13105	0.13585
70	0.12372	0.12716	0.13367	0.13975	0.14543	0.15076
68	0.13587	0.13966	0.14682	0.15350	0.15974	0.16561
66	0.14797	0.15209	0.15990	0.16718	0.17400	0.18039
64	0.15999	0.16446	0.17292	0.18080	0.18818	0.19510
62	0.17194	0.17675	0.18585	0.19434	0.20228	0.20974
60	0.18382	0.18896	0.19871	0.20780	0.21630	0.22428
58	0.19560	0.20109	0.21148	0.22116	0.23023	0.23874
56	0.20730	0.21312	0.22415	0.23444	0.24407	0.25311
54	0.21889	0.22505	0.23672	0.24761	0.25780	0.26737
52	0.23039	0.23688	0.24919	0.26067	0.27142	0.28151
50	0.24177	0.24860	0.26154	0.27362	0.28493	0.29555
48	0.25303	0.26020	0.27378	0.28645	0.29832	0.30946
46	0.26418	0.27168	0.28589	0.29915	0.31157	0.32324
44	0.27519	0.28302	0.29786	0.31172	0.32469	0.33688
42	0.28607	0.29423	0.30970	0.32414	0.33767	0.35038
40	0.29680	0.30529	0.32139	0.33642	0.35050	0.36373
38	0.30739	0.31621	0.33293	0.34854	0.36318	0.37693
36	0.31782	0.32696	0.34431	0.36051	0.37569	0.38995
34	0.32808	0.33755	0.35551	0.37230	0.38802	0.40281
32	0.33818	0.34797	0.36655	0.38391	0.40018	0.41548
30	0.34809	0.35821	0.37740	0.39534	0.41215	0.42797
28	0.35783	0.36826	0.38806	0.40657	0.42393	0.44026
26	0.36737	0.37812	0.39853	0.41761	0.43551	0.45234
24	0.37670	0.38777	0.40878	0.42843	0.44687	0.46421
22	0.38583	0.39722	0.41883	0.43904	0.45801	0.47587
20	0.39475	0.40644	0.42865	0.44942	0.46893	0.48729
18	0.40344	0.41544	0.43823	0.45957	0.47961	0.49847
16	0.41189	0.42420	0.44758	0.46948	0.49004	0.50940
14	0.42010	0.43271	0.45668	0.47913	0.50021	0.52007
12	0.42807	0.44097	0.46552	0.48851	0.51012	0.53048
10	0.43577	0.44897	0.47409	0.49763	0.51976	0.54061
8	0.44320	0.45670	0.48238	0.50646	0.52910	0.55044
6	0.45035	0.46414	0.49038	0.51499	0.53815	0.55998
4	0.45721	0.47128	0.49808	0.52323	0.54689	0.56921
2	0.46377	0.47812	0.50547	0.53114	0.55531	0.57811
0	0.47002	0.48465	0.51253	0.53873	0.56339	0.58668

Table 1

$\rho_0 \backslash \alpha$	0.19	0.20	0.22	0.24	0.26	0.28
-2	0.47594	0.49085	0.51927	0.54597	0.57114	0.59490
-4	0.48153	0.49671	0.52565	0.55287	0.57852	0.60275
-6	0.48678	0.50222	0.53168	0.55939	0.58553	0.61023
-8	0.49166	0.50736	0.53733	0.56554	0.59216	0.61732
-10	0.49617	0.51213	0.54259	0.57129	0.59838	0.62401
-12	0.50030	0.51650	0.54745	0.57662	0.60418	0.63027
-14	0.50403	0.52047	0.55189	0.58154	0.60956	0.63609
-16	0.50735	0.52402	0.55591	0.58601	0.61448	0.64146
-18	0.51023	0.52713	0.55947	0.59002	0.61893	0.64635
-20	0.51267	0.52978	0.56256	0.59355	0.62290	0.65075
-22	0.51465	0.53197	0.56516	0.59658	0.62636	0.65463
-24	0.51614	0.53366	0.56726	0.59909	0.62928	0.65798
-26	0.51714	0.53485	0.56884	0.60106	0.63166	0.66076
-28	0.51762	0.53551	0.56986	0.60247	0.63346	0.66296
-30			0.57032	0.60328	0.63465	0.66454
-32					0.63522	0.66548
-34						
-36						
-38						
-40						
-42						
-44						
-46						
-48						
-50						
-52						
-54						
-56						
-58						
-60						
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\alpha \backslash \rho_0$	0.30	0.32	0.34	0.36	0.38	0.40
88	0.01568	0.01615	0.01660	0.01702	0.01743	0.01781
86	0.03135	0.03229	0.03319	0.03404	0.03485	0.03561
84	0.04700	0.04843	0.04977	0.05104	0.05225	0.05340
82	0.06264	0.06454	0.06633	0.06803	0.06964	0.07118
80	0.07826	0.08063	0.08287	0.08499	0.08701	0.08893
78	0.09385	0.09669	0.09938	0.10193	0.10435	0.10665
76	0.10940	0.11272	0.11585	0.11882	0.12164	0.12433
74	0.12491	0.12870	0.13228	0.13568	0.13890	0.14197
72	0.14037	0.14463	0.14866	0.15248	0.15611	0.15956
70	0.15578	0.16051	0.16499	0.16924	0.17326	0.17710
68	0.17113	0.17633	0.18126	0.18593	0.19036	0.19457
66	0.18641	0.19209	0.19746	0.20255	0.20738	0.21198
64	0.20162	0.20777	0.21359	0.21910	0.22434	0.22932
62	0.21675	0.22338	0.22964	0.23557	0.24121	0.24657
60	0.23180	0.23889	0.24560	0.25196	0.25800	0.26374
58	0.24676	0.25432	0.26147	0.26825	0.27469	0.28082
56	0.26162	0.26965	0.27725	0.28445	0.29129	0.29779
54	0.27637	0.28488	0.29292	0.30054	0.30778	0.31466
52	0.29102	0.29999	0.30848	0.31652	0.32416	0.33142
50	0.30555	0.31499	0.32392	0.33238	0.34042	0.34806
48	0.31995	0.32986	0.33923	0.34812	0.35655	0.36458
46	0.33423	0.34460	0.35442	0.36372	0.37256	0.38096
44	0.34836	0.35920	0.36946	0.37918	0.38842	0.39720
42	0.36236	0.37366	0.38436	0.39450	0.40413	0.41330
40	0.37620	0.38797	0.39911	0.40967	0.41970	0.42924
38	0.38988	0.40212	0.41369	0.42467	0.43510	0.44502
36	0.40340	0.41610	0.42811	0.43951	0.45033	0.46063
34	0.41674	0.42990	0.44236	0.45417	0.46539	0.47607
32	0.42990	0.44352	0.45642	0.46865	0.48026	0.49132
30	0.44287	0.45696	0.47029	0.48293	0.49494	0.50637
28	0.45565	0.47019	0.48396	0.49702	0.50943	0.52123
26	0.46822	0.48322	0.49742	0.51090	0.52370	0.53588
24	0.48057	0.49603	0.51067	0.52456	0.53776	0.55032
22	0.49270	0.50862	0.52369	0.53799	0.55159	0.56452
20	0.50460	0.52097	0.53648	0.55120	0.56518	0.57850
18	0.51626	0.53309	0.54903	0.56416	0.57854	0.59223
16	0.52767	0.54495	0.56133	0.57687	0.59164	0.60570
14	0.53882	0.55655	0.57336	0.58931	0.60448	0.61892
12	0.54970	0.56788	0.58512	0.60148	0.61704	0.63186
10	0.56030	0.57893	0.59660	0.61337	0.62933	0.64452
8	0.57061	0.58969	0.60778	0.62497	0.64131	0.65688
6	0.58061	0.60014	0.61867	0.63626	0.65300	0.66894
4	0.59031	0.61028	0.62923	0.64723	0.66436	0.68068
2	0.59967	0.62009	0.63947	0.65788	0.67540	0.69210
0	0.60870	0.62956	0.64937	0.66819	0.68610	0.70317

Table 1

$\alpha \backslash \rho_0$	0.30	0.32	0.34	0.36	0.38	0.40
-2	0.61738	0.63868	0.65891	0.67814	0.69644	0.71389
-4	0.62569	0.64743	0.66808	0.68772	0.70641	0.72424
-6	0.63362	0.65581	0.67688	0.69692	0.71600	0.73420
-8	0.64116	0.66378	0.68527	0.70572	0.72520	0.74378
-10	0.64830	0.67135	0.69326	0.71411	0.73398	0.75293
-12	0.65500	0.67848	0.70081	0.72207	0.74233	0.76166
-14	0.66126	0.68518	0.70792	0.72958	0.75023	0.76995
-16	0.66707	0.69140	0.71456	0.73663	0.75767	0.77776
-18	0.67239	0.69715	0.72072	0.74319	0.76463	0.78510
-20	0.67721	0.70239	0.72638	0.74924	0.77107	0.79193
-22	0.68152	0.70711	0.73150	0.75477	0.77699	0.79823
-24	0.68528	0.71128	0.73608	0.75975	0.78236	0.80398
-26	0.68847	0.71488	0.74008	0.76415	0.78715	0.80915
-28	0.69107	0.71788	0.74348	0.76794	0.79134	0.81372
-30	0.69304	0.72025	0.74625	0.77111	0.79489	0.81766
-32	0.69437	0.72197	0.74836	0.77361	0.79778	0.82094
-34	0.69502	0.72300	0.74977	0.77541	0.79998	0.82352
-36			0.75046	0.77649	0.80144	0.82537
-38					0.80213	0.82645
-40						
-42						
-44						
-46						
-48						
-50						
-52						
-54						
-56						
-58						
-60						
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	0.42	0.44	0.46	0.48	0.50	0.52
88	0.01817	0.01852	0.01886	0.01917	0.01948	0.01977
86	0.03634	0.03704	0.03771	0.03834	0.03895	0.03954
84	0.05450	0.05555	0.05654	0.05750	0.05841	0.05929
82	0.07264	0.07403	0.07536	0.07664	0.07786	0.07903
80	0.09075	0.09249	0.09416	0.09575	0.09728	0.09874
78	0.10884	0.11093	0.11292	0.11483	0.11666	0.11842
76	0.12688	0.12932	0.13165	0.13388	0.13601	0.13806
74	0.14489	0.14768	0.15034	0.15288	0.15532	0.15766
72	0.16284	0.16598	0.16897	0.17184	0.17458	0.17721
70	0.18075	0.18423	0.18755	0.19074	0.19378	0.19670
68	0.19859	0.20242	0.20607	0.20957	0.21292	0.21614
66	0.21636	0.22054	0.22453	0.22834	0.23200	0.23550
64	0.23406	0.23858	0.24290	0.24704	0.25100	0.25479
62	0.25168	0.25655	0.26120	0.26565	0.26992	0.27400
60	0.26921	0.27443	0.27941	0.28418	0.28875	0.29313
58	0.28665	0.29221	0.29753	0.30261	0.30748	0.31215
56	0.30399	0.30990	0.31555	0.32095	0.32612	0.33108
54	0.32122	0.32748	0.33346	0.33918	0.34465	0.34990
52	0.33835	0.34495	0.35126	0.35729	0.36307	0.36861
50	0.35535	0.36230	0.36894	0.37529	0.38137	0.38720
48	0.37222	0.37952	0.38649	0.39315	0.39954	0.40566
46	0.38897	0.39661	0.40391	0.41089	0.41758	0.42399
44	0.40557	0.41356	0.42119	0.42848	0.43547	0.44217
42	0.42203	0.43036	0.43832	0.44593	0.45322	0.46021
40	0.43833	0.44701	0.45529	0.46322	0.47081	0.47809
38	0.45447	0.46349	0.47211	0.48035	0.48824	0.49581
36	0.47044	0.47981	0.48875	0.49731	0.50551	0.51336
34	0.48624	0.49595	0.50522	0.51409	0.52259	0.53074
32	0.50185	0.51190	0.52150	0.53069	0.53949	0.54792
30	0.51727	0.52766	0.53760	0.54710	0.55620	0.56492
28	0.53249	0.54323	0.55349	0.56330	0.57270	0.58172
26	0.54750	0.55858	0.56917	0.57930	0.58900	0.59830
24	0.56229	0.57371	0.58463	0.59508	0.60508	0.61467
22	0.57686	0.58863	0.59987	0.61063	0.62094	0.63082
20	0.59119	0.60330	0.61488	0.62595	0.63656	0.64673
18	0.60528	0.61773	0.62964	0.64103	0.65194	0.66239
16	0.61911	0.63191	0.64415	0.65585	0.66706	0.67781
14	0.63269	0.64583	0.65839	0.67041	0.68192	0.69296
12	0.64599	0.65947	0.67237	0.68470	0.69652	0.70785
10	0.65900	0.67284	0.68606	0.69871	0.71083	0.72245
8	0.67173	0.68590	0.69946	0.71242	0.72485	0.73676
6	0.68415	0.69867	0.71255	0.72583	0.73856	0.75077
4	0.69625	0.71111	0.72533	0.73893	0.75196	0.76446
2	0.70802	0.72323	0.73778	0.75170	0.76504	0.77783
0	0.71946	0.73501	0.74989	0.76413	0.77778	0.79087

Table 1

$\alpha \backslash \rho_0$	0.42	0.44	0.46	0.48	0.50	0.52
-2	0.73054	0.74644	0.76165	0.77622	0.79017	0.80355
-4	0.74125	0.75750	0.77305	0.78793	0.80220	0.81588
-6	0.75158	0.76818	0.78406	0.79927	0.81385	0.82782
-8	0.76151	0.77847	0.79469	0.81022	0.82510	0.83938
-10	0.77104	0.78834	0.80490	0.82076	0.83596	0.85054
-12	0.78013	0.79779	0.81469	0.83087	0.84639	0.86127
-14	0.78878	0.80679	0.82403	0.84055	0.85638	0.87158
-16	0.79697	0.81533	0.83292	0.84976	0.86592	0.88142
-18	0.80467	0.82339	0.84132	0.85850	0.87498	0.89080
-20	0.81187	0.83095	0.84923	0.86675	0.88355	0.89968
-22	0.81854	0.83798	0.85661	0.87447	0.89161	0.90806
-24	0.82466	0.84447	0.86345	0.88166	0.89912	0.91590
-26	0.83021	0.85039	0.86973	0.88828	0.90608	0.92318
-28	0.83516	0.85571	0.87541	0.89431	0.91245	0.92988
-30	0.83948	0.86040	0.88046	0.89972	0.91821	0.93597
-32	0.84314	0.86443	0.88486	0.90448	0.92332	0.94143
-34	0.84611	0.86778	0.88858	0.90856	0.92776	0.94621
-36	0.84834	0.87039	0.89157	0.91192	0.93148	0.95029
-38	0.84981	0.87225	0.89381	0.91453	0.93446	0.95363
-40	0.85046	0.87329	0.89524	0.91634	0.93665	0.95619
-42			0.89582	0.91731	0.93801	0.95793
-44					0.93848	0.95878
-46						
-48						
-50						
-52						
-54						
-56						
-58						
-60						
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	0.54	0.56	0.58	0.60	0.62	0.64
88	0.02005	0.02032	0.02058	0.02083	0.02107	0.02130
86	0.04010	0.04064	0.04116	0.04166	0.04214	0.04260
84	0.06013	0.06094	0.06172	0.06247	0.06319	0.06388
82	0.08015	0.08123	0.08226	0.08326	0.08422	0.08515
80	0.10014	0.10149	0.10278	0.10403	0.10523	0.10639
78	0.12010	0.12172	0.12327	0.12477	0.12621	0.12760
76	0.14002	0.14191	0.14372	0.14547	0.14715	0.14877
74	0.15990	0.16206	0.16413	0.16613	0.16805	0.16990
72	0.17973	0.18216	0.18449	0.18673	0.18890	0.19098
70	0.19951	0.20220	0.20479	0.20729	0.20969	0.21200
68	0.21922	0.22218	0.22503	0.22778	0.23042	0.23296
66	0.23887	0.24210	0.24521	0.24820	0.25108	0.25386
64	0.25844	0.26194	0.26530	0.26854	0.27166	0.27467
62	0.27793	0.28169	0.28532	0.28881	0.29217	0.29540
60	0.29733	0.30136	0.30525	0.30898	0.31258	0.31605
58	0.31663	0.32094	0.32508	0.32906	0.33290	0.33660
56	0.33584	0.34041	0.34481	0.34904	0.35312	0.35705
54	0.35494	0.35978	0.36444	0.36892	0.37323	0.37739
52	0.37393	0.37904	0.38395	0.38868	0.39323	0.39762
50	0.39279	0.39817	0.40334	0.40831	0.41310	0.41772
48	0.41153	0.41718	0.42260	0.42782	0.43285	0.43770
46	0.43014	0.43605	0.44173	0.44720	0.45247	0.45754
44	0.44860	0.45478	0.46072	0.46643	0.47194	0.47724
42	0.46692	0.47336	0.47956	0.48552	0.49126	0.49680
40	0.48508	0.49179	0.49824	0.50445	0.51043	0.51619
38	0.50307	0.51005	0.51676	0.52321	0.52943	0.53542
36	0.52090	0.52815	0.53511	0.54181	0.54827	0.55449
34	0.53855	0.54606	0.55328	0.56023	0.56692	0.57337
32	0.55602	0.56380	0.57127	0.57846	0.58539	0.59207
30	0.57329	0.58133	0.58907	0.59651	0.60367	0.61058
28	0.59037	0.59867	0.60666	0.61435	0.62175	0.62888
26	0.60723	0.61580	0.62405	0.63198	0.63962	0.64698
24	0.62388	0.63272	0.64122	0.64939	0.65727	0.66486
22	0.64030	0.64941	0.65816	0.66659	0.67470	0.68252
20	0.65649	0.66586	0.67487	0.68354	0.69189	0.69994
18	0.67243	0.68207	0.69134	0.70026	0.70885	0.71712
16	0.68812	0.69803	0.70756	0.71672	0.72555	0.73405
14	0.70356	0.71373	0.72351	0.73293	0.74199	0.75072
12	0.71872	0.72916	0.73920	0.74886	0.75816	0.76713
10	0.73360	0.74431	0.75461	0.76452	0.77406	0.78325
8	0.74819	0.75917	0.76973	0.77988	0.78966	0.79909
6	0.76248	0.77373	0.78455	0.79495	0.80497	0.81463
4	0.77646	0.78798	0.79905	0.80971	0.81997	0.82986
2	0.79011	0.80190	0.81324	0.82415	0.83465	0.84477
0	0.80343	0.81549	0.82709	0.83825	0.84900	0.85935

Table 1

$\alpha \backslash \rho_0$	0.54	0.56	0.58	0.60	0.62	0.64
-2	0.81640	0.82874	0.84060	0.85201	0.86300	0.87359
-4	0.82901	0.84162	0.85375	0.86542	0.87665	0.88748
-6	0.84124	0.85413	0.86653	0.87846	0.88994	0.90100
-8	0.85309	0.86626	0.87893	0.89111	0.90284	0.91414
-10	0.86454	0.87799	0.89092	0.90337	0.91535	0.92689
-12	0.87557	0.88930	0.90251	0.91521	0.92745	0.93924
-14	0.88616	0.90018	0.91366	0.92663	0.93912	0.95116
-16	0.89631	0.91062	0.92437	0.93761	0.95036	0.96264
-18	0.90599	0.92058	0.93462	0.94813	0.96114	0.97367
-20	0.91518	0.93007	0.94439	0.95817	0.97145	0.98423
-22	0.92386	0.93905	0.95366	0.96772	0.98126	0.99431
-24	0.93201	0.94750	0.96240	0.97675	0.99056	1.00387
-26	0.93961	0.95541	0.97060	0.98523	0.99932	1.01290
-28	0.94663	0.96274	0.97824	0.99316	1.00753	1.02138
-30	0.95305	0.96948	0.98528	1.00050	1.01516	1.02928
-32	0.95884	0.97559	0.99170	1.00723	1.02218	1.03659
-34	0.96396	0.98104	0.99748	1.01331	1.02856	1.04326
-36	0.96839	0.98580	1.00257	1.01872	1.03428	1.04928
-38	0.97208	0.98984	1.00694	1.02342	1.03930	1.05460
-40	0.97500	0.99312	1.01056	1.02737	1.04358	1.05920
-42	0.97711	0.99559	1.01339	1.03054	1.04709	1.06304
-44	0.97835	0.99720	1.01537	1.03288	1.04977	1.06606
-46		0.99791	1.01646	1.03434	1.05160	1.06824
-48				1.03487	1.05250	1.06951
-50						
-52						
-54						
-56						
-58						
-60						
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	0.66	0.68	0.70	0.72	0.74	0.76
88	0.02153	0.02174	0.02195	0.02215	0.02235	0.02254
86	0.04305	0.04348	0.04390	0.04430	0.04469	0.04507
84	0.06456	0.06520	0.06583	0.06644	0.06702	0.06759
82	0.08605	0.08691	0.08774	0.08855	0.08933	0.09009
80	0.10751	0.10859	0.10963	0.11064	0.11162	0.11256
78	0.12894	0.13024	0.13149	0.13270	0.13387	0.13501
76	0.15034	0.15185	0.15331	0.15472	0.15609	0.15741
74	0.17169	0.17342	0.17509	0.17670	0.17826	0.17977
72	0.19299	0.19494	0.19681	0.19863	0.20038	0.20208
70	0.21424	0.21640	0.21848	0.22050	0.22245	0.22433
68	0.23542	0.23779	0.24009	0.24230	0.24445	0.24652
66	0.25654	0.25912	0.26162	0.26404	0.26638	0.26864
64	0.27757	0.28038	0.28308	0.28570	0.28824	0.29069
62	0.29853	0.30155	0.30446	0.30728	0.31001	0.31265
60	0.31940	0.32263	0.32575	0.32877	0.33169	0.33452
58	0.34017	0.34362	0.34695	0.35017	0.35328	0.35629
56	0.36084	0.36450	0.36804	0.37146	0.37477	0.37797
54	0.38140	0.38528	0.38902	0.39264	0.39614	0.39953
52	0.40185	0.40594	0.40989	0.41371	0.41740	0.42098
50	0.42218	0.42648	0.43064	0.43466	0.43854	0.44230
48	0.44238	0.44689	0.45126	0.45547	0.45955	0.46350
46	0.46244	0.46717	0.47174	0.47615	0.48043	0.48456
44	0.48236	0.48731	0.49208	0.49669	0.50116	0.50548
42	0.50214	0.50729	0.51227	0.51708	0.52174	0.52624
40	0.52175	0.52712	0.53230	0.53732	0.54216	0.54685
38	0.54120	0.54678	0.55217	0.55738	0.56242	0.56730
36	0.56049	0.56628	0.57187	0.57728	0.58251	0.58757
34	0.57959	0.58560	0.59140	0.59700	0.60242	0.60767
32	0.59851	0.60473	0.61073	0.61654	0.62215	0.62758
30	0.61724	0.62367	0.62988	0.63588	0.64168	0.64729
28	0.63576	0.64240	0.64882	0.65502	0.66101	0.66681
26	0.65408	0.66093	0.66755	0.67395	0.68013	0.68612
24	0.67218	0.67925	0.68607	0.69266	0.69904	0.70521
22	0.69006	0.69733	0.70436	0.71115	0.71772	0.72407
20	0.70770	0.71519	0.72242	0.72941	0.73617	0.74270
18	0.72510	0.73280	0.74024	0.74742	0.75437	0.76109
16	0.74225	0.75017	0.75781	0.76519	0.77233	0.77924
14	0.75914	0.76727	0.77512	0.78270	0.79003	0.79712
12	0.77577	0.78411	0.79216	0.79994	0.80746	0.81474
10	0.79212	0.80067	0.80893	0.81691	0.82462	0.83208
8	0.80817	0.81694	0.82541	0.83358	0.84149	0.84914
6	0.82394	0.83292	0.84159	0.84997	0.85806	0.86590
4	0.83939	0.84859	0.85747	0.86604	0.87434	0.88235
2	0.85453	0.86394	0.87303	0.88181	0.89029	0.89850
0	0.86933	0.87896	0.88826	0.89724	0.90592	0.91432

Table 1

ρ_0 α	0.66	0.68	0.70	0.72	0.74	0.76
-2	0.88380	0.89365	0.90316	0.91234	0.92122	0.92980
-4	0.89792	0.90798	0.91770	0.92709	0.93616	0.94494
-6	0.91167	0.92196	0.93189	0.94148	0.95075	0.95971
-8	0.92504	0.93555	0.94570	0.95550	0.96497	0.97412
-10	0.93802	0.94876	0.95912	0.96913	0.97880	0.98815
-12	0.95060	0.96156	0.97214	0.98236	0.99223	1.00178
-14	0.96276	0.97395	0.98475	0.99518	1.00526	1.01500
-16	0.97448	0.98591	0.99693	1.00757	1.01786	1.02780
-18	0.98576	0.99741	1.00866	1.01953	1.03002	1.04017
-20	0.99656	1.00846	1.01993	1.03102	1.04173	1.05208
-22	1.00688	1.01902	1.03073	1.04203	1.05296	1.06352
-24	1.01670	1.02908	1.04102	1.05256	1.06370	1.07447
-26	1.02599	1.03862	1.05080	1.06257	1.07394	1.08492
-28	1.03473	1.04761	1.06004	1.07205	1.08364	1.09485
-30	1.04291	1.05605	1.06873	1.08097	1.09280	1.10423
-32	1.05048	1.06389	1.07683	1.08932	1.10138	1.11304
-34	1.05744	1.07112	1.08432	1.09706	1.10937	1.12127
-36	1.06374	1.07770	1.09117	1.10418	1.11674	1.12888
-38	1.06937	1.08361	1.09736	1.11063	1.12345	1.13585
-40	1.07427	1.08881	1.10285	1.11640	1.12949	1.14214
-42	1.07842	1.09327	1.10760	1.12144	1.13481	1.14773
-44	1.08178	1.09695	1.11159	1.12573	1.13938	1.15258
-46	1.08429	1.09979	1.11476	1.12921	1.14317	1.15665
-48	1.08592	1.10177	1.11707	1.13184	1.14611	1.15991
-50	1.08660	1.10281	1.11846	1.13358	1.14818	1.16229
-52				1.13436	1.14931	1.16376
-54						
-56						
-58						
-60						
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\alpha \backslash \rho_0$	0.78	0.80	0.82	0.84	0.86	0.88
88	0.02272	0.02290	0.02307	0.02324	0.02340	0.02356
86	0.04544	0.04579	0.04613	0.04647	0.04679	0.04711
84	0.06814	0.06867	0.06919	0.06969	0.07017	0.07065
82	0.09082	0.09153	0.09222	0.09289	0.09354	0.09417
80	0.11349	0.11437	0.11523	0.11606	0.11687	0.11766
78	0.13610	0.13717	0.13820	0.13920	0.14018	0.14112
76	0.15869	0.15993	0.16114	0.16231	0.16344	0.16454
74	0.18124	0.18265	0.18403	0.18537	0.18666	0.18792
72	0.20373	0.20532	0.20687	0.20837	0.20983	0.21125
70	0.22616	0.22794	0.22966	0.23132	0.23294	0.23452
68	0.24854	0.25048	0.25238	0.25421	0.25599	0.25772
66	0.27084	0.27296	0.27502	0.27703	0.27897	0.28085
64	0.29306	0.29537	0.29760	0.29976	0.30187	0.30391
62	0.31521	0.31768	0.32009	0.32242	0.32468	0.32688
60	0.33726	0.33991	0.34249	0.34498	0.34741	0.34976
58	0.35921	0.36204	0.36479	0.36745	0.37004	0.37255
56	0.38107	0.38407	0.38699	0.38982	0.39256	0.39523
54	0.40281	0.40599	0.40908	0.41207	0.41498	0.41780
52	0.42444	0.42780	0.43105	0.43421	0.43727	0.44025
50	0.44595	0.44948	0.45290	0.45622	0.45945	0.46258
48	0.46732	0.47103	0.47462	0.47811	0.48149	0.48477
46	0.48856	0.49244	0.49621	0.49985	0.50340	0.50683
44	0.50966	0.51372	0.51765	0.52146	0.52516	0.52875
42	0.53061	0.53484	0.53893	0.54291	0.54677	0.55051
40	0.55140	0.55580	0.56007	0.56420	0.56822	0.57212
38	0.57202	0.57660	0.58103	0.58533	0.58951	0.59356
36	0.59247	0.59722	0.60183	0.60629	0.61062	0.61483
34	0.61275	0.61767	0.62244	0.62707	0.63156	0.63592
32	0.63284	0.63793	0.64287	0.64766	0.65231	0.65682
30	0.65273	0.65800	0.66310	0.66806	0.67286	0.67752
28	0.67243	0.67786	0.68314	0.68825	0.69321	0.69803
26	0.69191	0.69752	0.70296	0.70824	0.71335	0.71832
24	0.71118	0.71696	0.72257	0.72800	0.73328	0.73840
22	0.73022	0.73618	0.74195	0.74755	0.75298	0.75825
20	0.74903	0.75516	0.76110	0.76686	0.77245	0.77787
18	0.76760	0.77390	0.78001	0.78593	0.79167	0.79724
16	0.78592	0.79239	0.79867	0.80475	0.81065	0.81637
14	0.80398	0.81063	0.81707	0.82331	0.82937	0.83524
12	0.82178	0.82860	0.83521	0.84161	0.84782	0.85385
10	0.83930	0.84629	0.85307	0.85963	0.86600	0.87218
8	0.85654	0.86370	0.87064	0.87737	0.88390	0.89023
6	0.87348	0.88082	0.88792	0.89482	0.90150	0.90798
4	0.89011	0.89763	0.90490	0.91196	0.91880	0.92543
2	0.90644	0.91413	0.92157	0.92879	0.93579	0.94257
0	0.92244	0.93030	0.93792	0.94530	0.95245	0.95939

Table 1

ρ_0 α	0.78	0.80	0.82	0.84	0.86	0.88
-2	0.93810	0.94614	0.95393	0.96147	0.96879	0.97588
-4	0.95342	0.96164	0.96960	0.97731	0.98478	0.99203
-6	0.96839	0.97678	0.98491	0.99278	1.00042	1.00782
-8	0.98298	0.99155	0.99986	1.00790	1.01569	1.02325
-10	0.99719	1.00595	1.01442	1.02264	1.03059	1.03831
-12	1.01101	1.01995	1.02860	1.03698	1.04511	1.05298
-14	1.02443	1.03355	1.04238	1.05093	1.05922	1.06726
-16	1.03742	1.04673	1.05574	1.06446	1.07292	1.08112
-18	1.04998	1.05947	1.06866	1.07757	1.08619	1.09455
-20	1.06209	1.07177	1.08115	1.09023	1.09903	1.10755
-22	1.07373	1.08361	1.09317	1.10243	1.11140	1.12010
-24	1.08489	1.09496	1.10472	1.11416	1.12331	1.13218
-26	1.09555	1.10582	1.11577	1.12540	1.13473	1.14377
-28	1.10568	1.11616	1.12631	1.13613	1.14564	1.15486
-30	1.11528	1.12597	1.13632	1.14633	1.15603	1.16543
-32	1.12432	1.13522	1.14578	1.15599	1.16588	1.17547
-34	1.13277	1.14390	1.15466	1.16508	1.17517	1.18494
-36	1.14062	1.15197	1.16295	1.17358	1.18387	1.19384
-38	1.14782	1.15941	1.17061	1.18146	1.19196	1.20214
-40	1.15437	1.16619	1.17763	1.18870	1.19942	1.20980
-42	1.16022	1.17229	1.18397	1.19528	1.20622	1.21682
-44	1.16534	1.17767	1.18960	1.20115	1.21232	1.22315
-46	1.16969	1.18230	1.19449	1.20629	1.21771	1.22876
-48	1.17324	1.18613	1.19860	1.21066	1.22233	1.23363
-50	1.17593	1.18912	1.20188	1.21421	1.22615	1.23771
-52	1.17773	1.19123	1.20429	1.21692	1.22914	1.24097
-54	1.17857	1.19240	1.20578	1.21872	1.23124	1.24335
-56			1.20629	1.21956	1.23239	1.24481
-58						
-60						
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	0.90	0.92	0.94	0.96	0.98	1.00
88	0.02371	0.02386	0.02400	0.02414	0.02428	0.02442
86	0.04741	0.04771	0.04800	0.04828	0.04856	0.04882
84	0.07111	0.07155	0.07199	0.07241	0.07282	0.07322
82	0.09478	0.09537	0.09595	0.09651	0.09706	0.09760
80	0.11842	0.11917	0.11989	0.12059	0.12128	0.12195
78	0.14204	0.14293	0.14380	0.14464	0.14546	0.14627
76	0.16561	0.16665	0.16767	0.16865	0.16961	0.17054
74	0.18914	0.19033	0.19149	0.19261	0.19371	0.19478
72	0.21262	0.21396	0.21526	0.21653	0.21776	0.21896
70	0.23604	0.23753	0.23897	0.24038	0.24175	0.24308
68	0.25940	0.26103	0.26262	0.26417	0.26567	0.26714
66	0.28268	0.28447	0.28620	0.28788	0.28952	0.29112
64	0.30589	0.30782	0.30970	0.31152	0.31330	0.31503
62	0.32902	0.33109	0.33311	0.33508	0.33699	0.33885
60	0.35205	0.35427	0.35643	0.35854	0.36058	0.36258
58	0.37498	0.37735	0.37966	0.38190	0.38408	0.38621
56	0.39782	0.40033	0.40278	0.40516	0.40748	0.40973
54	0.42054	0.42320	0.42579	0.42831	0.43076	0.43315
52	0.44314	0.44595	0.44868	0.45134	0.45392	0.45644
50	0.46562	0.46857	0.47145	0.47424	0.47696	0.47961
48	0.48797	0.49107	0.49408	0.49702	0.49987	0.50265
46	0.51018	0.51342	0.51658	0.51965	0.52264	0.52555
44	0.53224	0.53563	0.53893	0.54214	0.54526	0.54830
42	0.55415	0.55769	0.56113	0.56447	0.56773	0.57090
40	0.57591	0.57959	0.58317	0.58665	0.59004	0.59333
38	0.59750	0.60132	0.60504	0.60866	0.61218	0.61560
36	0.61891	0.62288	0.62674	0.63050	0.63415	0.63770
34	0.64015	0.64426	0.64826	0.65215	0.65593	0.65962
32	0.66120	0.66545	0.66959	0.67362	0.67753	0.68134
30	0.68205	0.68645	0.69073	0.69489	0.69893	0.70287
28	0.70270	0.70725	0.71166	0.71596	0.72013	0.72420
26	0.72314	0.72783	0.73238	0.73681	0.74112	0.74531
24	0.74337	0.74820	0.75289	0.75745	0.76189	0.76621
22	0.76337	0.76834	0.77317	0.77787	0.78244	0.78688
20	0.78313	0.78825	0.79321	0.79805	0.80275	0.80732
18	0.80266	0.80791	0.81302	0.81798	0.82281	0.82751
16	0.82193	0.82733	0.83257	0.83767	0.84263	0.84746
14	0.84095	0.84649	0.85187	0.85711	0.86219	0.86714
12	0.85970	0.86538	0.87090	0.87627	0.88149	0.88657
10	0.87818	0.88400	0.88966	0.89516	0.90051	0.90571
8	0.89637	0.90234	0.90813	0.91377	0.91925	0.92458
6	0.91427	0.92038	0.92632	0.93208	0.93769	0.94315
4	0.93187	0.93812	0.94420	0.95010	0.95584	0.96142
2	0.94916	0.95556	0.96177	0.96780	0.97367	0.97938
0	0.96613	0.97267	0.97902	0.98519	0.99119	0.99702

Table 1

ρ_0 α	0.90	0.92	0.94	0.96	0.98	1.00
-2	0.98276	0.98945	0.99594	1.00224	1.00837	1.01433
-4	0.99906	1.00589	1.01252	1.01896	1.02522	1.03131
-6	1.01501	1.02198	1.02875	1.03533	1.04172	1.04794
-8	1.03059	1.03771	1.04462	1.05134	1.05786	1.06420
-10	1.04580	1.05307	1.06012	1.06697	1.07363	1.08010
-12	1.06062	1.06804	1.07524	1.08223	1.08902	1.09562
-14	1.07505	1.08262	1.08996	1.09709	1.10402	1.11075
-16	1.08907	1.09678	1.10427	1.11155	1.11861	1.12548
-18	1.10266	1.11053	1.11817	1.12558	1.13279	1.13979
-20	1.11582	1.12384	1.13163	1.13919	1.14653	1.15367
-22	1.12853	1.13671	1.14465	1.15235	1.15984	1.16711
-24	1.14077	1.14911	1.15720	1.16506	1.17268	1.18009
-26	1.15253	1.16103	1.16928	1.17729	1.18506	1.19261
-28	1.16380	1.17246	1.18087	1.18903	1.19695	1.20465
-30	1.17454	1.18338	1.19195	1.20027	1.20834	1.21618
-32	1.18476	1.19376	1.20250	1.21098	1.21921	1.22720
-34	1.19442	1.20360	1.21251	1.22115	1.22954	1.23768
-36	1.20350	1.21287	1.22195	1.23076	1.23932	1.24762
-38	1.21199	1.22155	1.23081	1.23979	1.24851	1.25698
-40	1.21986	1.22961	1.23906	1.24822	1.25712	1.26575
-42	1.22708	1.23703	1.24667	1.25602	1.26510	1.27390
-44	1.23363	1.24378	1.25363	1.26317	1.27243	1.28142
-46	1.23947	1.24984	1.25989	1.26964	1.27910	1.28827
-48	1.24457	1.25517	1.26544	1.27540	1.28506	1.29442
-50	1.24890	1.25974	1.27024	1.28042	1.29029	1.29986
-52	1.25242	1.26351	1.27425	1.28466	1.29475	1.30454
-54	1.25508	1.26643	1.27743	1.28809	1.29841	1.30843
-56	1.25683	1.26847	1.27973	1.29065	1.30123	1.31148
-58	1.25762	1.26956	1.28112	1.29231	1.30315	1.31366
-60				1.29301	1.30414	1.31492
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	1.02	1.04	1.06	1.08	1.10	1.12
88	0.02455	0.02467	0.02480	0.02492	0.02503	0.02515
86	0.04908	0.04934	0.04959	0.04983	0.05006	0.05029
84	0.07361	0.07399	0.07436	0.07472	0.07508	0.07542
82	0.09812	0.09862	0.09912	0.09960	0.10007	0.10053
80	0.12260	0.12323	0.12385	0.12445	0.12504	0.12561
78	0.14705	0.14781	0.14855	0.14927	0.14997	0.15066
76	0.17145	0.17234	0.17320	0.17405	0.17487	0.17567
74	0.19582	0.19683	0.19782	0.19878	0.19972	0.20063
72	0.22013	0.22127	0.22238	0.22346	0.22451	0.22555
70	0.24438	0.24564	0.24688	0.24808	0.24925	0.25040
68	0.26856	0.26995	0.27131	0.27263	0.27392	0.27518
66	0.29268	0.29419	0.29567	0.29711	0.29852	0.29989
64	0.31671	0.31835	0.31995	0.32152	0.32304	0.32452
62	0.34066	0.34243	0.34415	0.34583	0.34747	0.34907
60	0.36452	0.36641	0.36826	0.37005	0.37181	0.37352
58	0.38828	0.39030	0.39226	0.39418	0.39605	0.39787
56	0.41193	0.41407	0.41616	0.41820	0.42018	0.42212
54	0.43547	0.43774	0.43995	0.44210	0.44420	0.44625
52	0.45890	0.46128	0.46361	0.46588	0.46810	0.47026
50	0.48219	0.48470	0.48715	0.48954	0.49187	0.49415
48	0.50535	0.50799	0.51056	0.51307	0.51551	0.51790
46	0.52838	0.53114	0.53383	0.53645	0.53901	0.54150
44	0.55126	0.55414	0.55695	0.55969	0.56236	0.56497
42	0.57398	0.57699	0.57991	0.58277	0.58555	0.58827
40	0.59654	0.59967	0.60272	0.60569	0.60859	0.61142
38	0.61894	0.62219	0.62536	0.62844	0.63145	0.63439
36	0.64116	0.64453	0.64782	0.65102	0.65414	0.65719
34	0.66320	0.66669	0.67010	0.67341	0.67665	0.67980
32	0.68505	0.68867	0.69219	0.69562	0.69896	0.70223
30	0.70671	0.71044	0.71408	0.71762	0.72108	0.72445
28	0.72816	0.73201	0.73577	0.73943	0.74300	0.74648
26	0.74940	0.75337	0.75724	0.76102	0.76470	0.76828
24	0.77042	0.77451	0.77850	0.78239	0.78618	0.78987
22	0.79121	0.79542	0.79953	0.80353	0.80743	0.81123
20	0.81177	0.81610	0.82032	0.82444	0.82845	0.83236
18	0.83209	0.83654	0.84088	0.84510	0.84922	0.85324
16	0.85215	0.85673	0.86118	0.86552	0.86975	0.87387
14	0.87196	0.87665	0.88122	0.88567	0.89001	0.89424
12	0.89151	0.89632	0.90100	0.90556	0.91001	0.91435
10	0.91077	0.91570	0.92050	0.92518	0.92973	0.93418
8	0.92976	0.93481	0.93972	0.94451	0.94917	0.95372
6	0.94845	0.95362	0.95865	0.96355	0.96832	0.97298
4	0.96685	0.97213	0.97728	0.98229	0.98717	0.99193
2	0.98493	0.99033	0.99559	1.00072	1.00571	1.01057
0	1.00269	1.00822	1.01359	1.01883	1.02393	1.02890

Table 1

$\rho_0 \backslash \alpha$	1.02	1.04	1.06	1.08	1.10	1.12
-2	1.02013	1.02577	1.03126	1.03661	1.04182	1.04690
-4	1.03723	1.04299	1.04860	1.05406	1.05938	1.06456
-6	1.05398	1.05986	1.06559	1.07116	1.07659	1.08188
-8	1.07037	1.07638	1.08222	1.08790	1.09344	1.09884
-10	1.08640	1.09252	1.09848	1.10428	1.10993	1.11543
-12	1.10204	1.10829	1.11436	1.12028	1.12604	1.13165
-14	1.11730	1.12367	1.12986	1.13589	1.14176	1.14748
-16	1.13215	1.13864	1.14496	1.15110	1.15709	1.16292
-18	1.14659	1.15321	1.15964	1.16591	1.17200	1.17794
-20	1.16060	1.16735	1.17390	1.18029	1.18650	1.19255
-22	1.17418	1.18105	1.18773	1.19423	1.20056	1.20672
-24	1.18730	1.19430	1.20111	1.20773	1.21418	1.22045
-26	1.19995	1.20708	1.21402	1.22077	1.22733	1.23372
-28	1.21212	1.21939	1.22646	1.23333	1.24002	1.24652
-30	1.22380	1.23120	1.23840	1.24540	1.25221	1.25884
-32	1.23496	1.24251	1.24984	1.25697	1.26391	1.27066
-34	1.24560	1.25328	1.26075	1.26802	1.27508	1.28196
-36	1.25568	1.26351	1.27113	1.27853	1.28572	1.29273
-38	1.26520	1.27318	1.28094	1.28848	1.29581	1.30295
-40	1.27413	1.28227	1.29018	1.29786	1.30533	1.31260
-42	1.28245	1.29075	1.29881	1.30665	1.31426	1.32167
-44	1.29014	1.29860	1.30683	1.31482	1.32258	1.33014
-46	1.29717	1.30581	1.31420	1.32235	1.33027	1.33797
-48	1.30351	1.31233	1.32090	1.32922	1.33730	1.34516
-50	1.30914	1.31815	1.32690	1.33540	1.34365	1.35167
-52	1.31403	1.32324	1.33218	1.34086	1.34929	1.35748
-54	1.31814	1.32755	1.33670	1.34557	1.35418	1.36255
-56	1.32142	1.33106	1.34042	1.34950	1.35831	1.36687
-58	1.32385	1.33373	1.34331	1.35260	1.36162	1.37038
-60	1.32537	1.33550	1.34532	1.35485	1.36409	1.37306
-62	1.32593	1.33633	1.34641	1.35618	1.36567	1.37487
-64					1.36630	1.37575
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	1.14	1.16	1.18	1.20	1.22	1.24
88	0.02526	0.02537	0.02548	0.02558	0.02568	0.02578
86	0.05052	0.05073	0.05095	0.05116	0.05136	0.05156
84	0.07576	0.07608	0.07640	0.07672	0.07702	0.07732
82	0.10098	0.10141	0.10184	0.10226	0.10267	0.10307
80	0.12617	0.12672	0.12725	0.12777	0.12828	0.12878
78	0.15133	0.15199	0.15263	0.15326	0.15387	0.15447
76	0.17645	0.17722	0.17797	0.17870	0.17941	0.18011
74	0.20153	0.20240	0.20326	0.20409	0.20491	0.20570
72	0.22655	0.22753	0.22849	0.22943	0.23035	0.23124
70	0.25151	0.25260	0.25367	0.25471	0.25573	0.25672
68	0.27641	0.27761	0.27878	0.27993	0.28104	0.28214
66	0.30123	0.30254	0.30382	0.30506	0.30628	0.30748
64	0.32597	0.32739	0.32877	0.33012	0.33144	0.33274
62	0.35063	0.35215	0.35364	0.35510	0.35652	0.35791
60	0.37519	0.37682	0.37842	0.37997	0.38149	0.38298
58	0.39965	0.40139	0.40309	0.40475	0.40637	0.40796
56	0.42401	0.42585	0.42766	0.42942	0.43114	0.43282
54	0.44825	0.45020	0.45211	0.45397	0.45579	0.45757
52	0.47237	0.47443	0.47644	0.47841	0.48033	0.48220
50	0.49636	0.49853	0.50064	0.50271	0.50473	0.50670
48	0.52022	0.52249	0.52471	0.52688	0.52900	0.53107
46	0.54394	0.54632	0.54864	0.55091	0.55312	0.55529
44	0.56751	0.56999	0.57242	0.57478	0.57710	0.57936
42	0.59092	0.59351	0.59604	0.59850	0.60092	0.60327
40	0.61417	0.61687	0.61949	0.62206	0.62457	0.62702
38	0.63726	0.64005	0.64278	0.64545	0.64806	0.65060
36	0.66016	0.66306	0.66589	0.66866	0.67136	0.67400
34	0.68288	0.68589	0.68882	0.69169	0.69448	0.69722
32	0.70541	0.70852	0.71155	0.71452	0.71741	0.72024
30	0.72774	0.73096	0.73409	0.73715	0.74014	0.74306
28	0.74987	0.75319	0.75642	0.75958	0.76266	0.76568
26	0.77179	0.77520	0.77854	0.78179	0.78497	0.78808
24	0.79348	0.79700	0.80043	0.80378	0.80706	0.81026
22	0.81494	0.81856	0.82210	0.82555	0.82892	0.83221
20	0.83617	0.83989	0.84353	0.84707	0.85054	0.85392
18	0.85716	0.86098	0.86471	0.86835	0.87191	0.87539
16	0.87789	0.88182	0.88564	0.88938	0.89303	0.89660
14	0.89837	0.90239	0.90632	0.91015	0.91390	0.91755
12	0.91858	0.92270	0.92672	0.93065	0.93449	0.93824
10	0.93851	0.94273	0.94686	0.95088	0.95481	0.95865
8	0.95816	0.96248	0.96670	0.97082	0.97484	0.97877
6	0.97751	0.98194	0.98626	0.99047	0.99458	0.99860
4	0.99657	1.00109	1.00551	1.00982	1.01402	1.01813
2	1.01532	1.01994	1.02445	1.02886	1.03315	1.03735
0	1.03375	1.03847	1.04308	1.04758	1.05197	1.05625

Table 1

$\rho_0 \backslash \alpha$	1.14	1.16	1.18	1.20	1.22	1.24
-2	1.05185	1.05667	1.06138	1.06597	1.07045	1.07483
-4	1.06961	1.07454	1.07934	1.08403	1.08860	1.09306
-6	1.08703	1.09206	1.09696	1.10174	1.10640	1.11096
-8	1.10410	1.10922	1.11422	1.11910	1.12385	1.12850
-10	1.12079	1.12602	1.13112	1.13609	1.14094	1.14567
-12	1.13712	1.14245	1.14764	1.15271	1.15765	1.16247
-14	1.15305	1.15848	1.16378	1.16894	1.17398	1.17889
-16	1.16859	1.17413	1.17952	1.18478	1.18991	1.19492
-18	1.18373	1.18936	1.19486	1.20022	1.20544	1.21054
-20	1.19844	1.20418	1.20978	1.21523	1.22055	1.22574
-22	1.21272	1.21857	1.22427	1.22982	1.23524	1.24052
-24	1.22656	1.23252	1.23832	1.24397	1.24949	1.25486
-26	1.23995	1.24601	1.25191	1.25767	1.26328	1.26876
-28	1.25286	1.25903	1.26504	1.27090	1.27662	1.28219
-30	1.26529	1.27158	1.27770	1.28366	1.28947	1.29514
-32	1.27723	1.28362	1.28985	1.29592	1.30184	1.30761
-34	1.28865	1.29516	1.30150	1.30768	1.31371	1.31957
-36	1.29954	1.30617	1.31263	1.31892	1.32505	1.33103
-38	1.30989	1.31664	1.32322	1.32962	1.33586	1.34194
-40	1.31967	1.32655	1.33325	1.33977	1.34613	1.35232
-42	1.32888	1.33589	1.34271	1.34935	1.35582	1.36213
-44	1.33748	1.34462	1.35158	1.35834	1.36493	1.37135
-46	1.34546	1.35274	1.35983	1.36673	1.37344	1.37998
-48	1.35280	1.36022	1.36745	1.37448	1.38132	1.38799
-50	1.35946	1.36704	1.37441	1.38158	1.38856	1.39536
-52	1.36543	1.37317	1.38069	1.38801	1.39513	1.40206
-54	1.37068	1.37858	1.38627	1.39374	1.40101	1.40808
-56	1.37518	1.38326	1.39111	1.39874	1.40616	1.41339
-58	1.37889	1.38715	1.39518	1.40298	1.41057	1.41795
-60	1.38177	1.39023	1.39845	1.40644	1.41420	1.42175
-62	1.38379	1.39246	1.40088	1.40906	1.41701	1.42474
-64	1.38491	1.39380	1.40244	1.41082	1.41897	1.42689
-66			1.40307	1.41168	1.42004	1.42816
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\alpha \backslash \rho_0$	1.26	1.28	1.30	1.32	1.34	1.36
88	0.02588	0.02598	0.02607	0.02616	0.02625	0.02634
86	0.05176	0.05195	0.05213	0.05232	0.05249	0.05267
84	0.07762	0.07790	0.07818	0.07846	0.07873	0.07899
82	0.10346	0.10384	0.10421	0.10458	0.10493	0.10529
80	0.12927	0.12975	0.13021	0.13067	0.13112	0.13156
78	0.15505	0.15562	0.15618	0.15673	0.15727	0.15779
76	0.18079	0.18146	0.18211	0.18275	0.18337	0.18399
74	0.20648	0.20724	0.20799	0.20872	0.20943	0.21013
72	0.23212	0.23298	0.23382	0.23464	0.23544	0.23623
70	0.25770	0.25865	0.25958	0.26049	0.26138	0.26226
68	0.28321	0.28425	0.28528	0.28628	0.28726	0.28822
66	0.30864	0.30978	0.31090	0.31199	0.31306	0.31411
64	0.33400	0.33523	0.33644	0.33762	0.33878	0.33991
62	0.35926	0.36059	0.36189	0.36316	0.36441	0.36563
60	0.38444	0.38586	0.38725	0.38861	0.38994	0.39125
58	0.40951	0.41102	0.41250	0.41396	0.41538	0.41677
56	0.43447	0.43608	0.43765	0.43919	0.44070	0.44217
54	0.45931	0.46101	0.46268	0.46431	0.46590	0.46746
52	0.48404	0.48583	0.48759	0.48930	0.49099	0.49263
50	0.50863	0.51052	0.51236	0.51417	0.51594	0.51767
48	0.53309	0.53507	0.53700	0.53890	0.54075	0.54257
46	0.55740	0.55947	0.56150	0.56348	0.56542	0.56732
44	0.58157	0.58373	0.58585	0.58791	0.58994	0.59192
42	0.60558	0.60783	0.61003	0.61219	0.61430	0.61636
40	0.62942	0.63176	0.63406	0.63630	0.63849	0.64064
38	0.65309	0.65553	0.65791	0.66023	0.66251	0.66474
36	0.67658	0.67911	0.68158	0.68399	0.68635	0.68867
34	0.69989	0.70251	0.70506	0.70756	0.71001	0.71240
32	0.72301	0.72571	0.72835	0.73094	0.73347	0.73594
30	0.74592	0.74871	0.75144	0.75411	0.75672	0.75928
28	0.76863	0.77151	0.77432	0.77708	0.77977	0.78241
26	0.79112	0.79409	0.79699	0.79983	0.80261	0.80532
24	0.81339	0.81644	0.81943	0.82235	0.82521	0.82801
22	0.83542	0.83857	0.84164	0.84465	0.84759	0.85047
20	0.85722	0.86046	0.86361	0.86670	0.86973	0.87268
18	0.87878	0.88210	0.88534	0.88851	0.89162	0.89465
16	0.90008	0.90349	0.90682	0.91007	0.91325	0.91637
14	0.92112	0.92462	0.92803	0.93136	0.93463	0.93782
12	0.94190	0.94547	0.94897	0.95239	0.95573	0.95900
10	0.96239	0.96606	0.96964	0.97314	0.97656	0.97991
8	0.98260	0.98635	0.99002	0.99360	0.99710	1.00053
6	1.00252	1.00636	1.01010	1.01377	1.01735	1.02085
4	1.02214	1.02606	1.02989	1.03363	1.03729	1.04087
2	1.04145	1.04545	1.04936	1.05319	1.05693	1.06058
0	1.06044	1.06452	1.06852	1.07242	1.07624	1.07997

Table 1

$\rho_0 \backslash \alpha$	1.26	1.28	1.30	1.32	1.34	1.36
-2	1.07910	1.08327	1.08735	1.09133	1.09523	1.09904
-4	1.09742	1.10168	1.10584	1.10991	1.11388	1.11777
-6	1.11540	1.11975	1.12399	1.12814	1.13219	1.13615
-8	1.13303	1.13746	1.14178	1.14601	1.15014	1.15418
-10	1.15029	1.15481	1.15921	1.16352	1.16773	1.17184
-12	1.16718	1.17178	1.17627	1.18066	1.18495	1.18914
-14	1.18369	1.18837	1.19295	1.19742	1.20178	1.20605
-16	1.19980	1.20457	1.20923	1.21378	1.21822	1.22257
-18	1.21551	1.22037	1.22511	1.22974	1.23426	1.23869
-20	1.23081	1.23575	1.24058	1.24529	1.24989	1.25439
-22	1.24568	1.25071	1.25562	1.26041	1.26510	1.26968
-24	1.26011	1.26523	1.27023	1.27511	1.27987	1.28453
-26	1.27409	1.27930	1.28439	1.28935	1.29420	1.29893
-28	1.28762	1.29292	1.29809	1.30314	1.30807	1.31289
-30	1.30067	1.30606	1.31132	1.31646	1.32147	1.32637
-32	1.31323	1.31872	1.32407	1.32930	1.33440	1.33938
-34	1.32530	1.33088	1.33633	1.34164	1.34683	1.35189
-36	1.33685	1.34253	1.34807	1.35347	1.35875	1.36390
-38	1.34787	1.35365	1.35929	1.36479	1.37015	1.37539
-40	1.35835	1.36423	1.36997	1.37556	1.38102	1.38635
-42	1.36827	1.37425	1.38009	1.38578	1.39134	1.39676
-44	1.37761	1.38370	1.38964	1.39544	1.40109	1.40661
-46	1.38635	1.39256	1.39861	1.40451	1.41026	1.41587
-48	1.39448	1.40080	1.40697	1.41298	1.41883	1.42455
-50	1.40197	1.40842	1.41470	1.42082	1.42679	1.43260
-52	1.40881	1.41538	1.42178	1.42802	1.43410	1.44003
-54	1.41497	1.42167	1.42820	1.43456	1.44076	1.44680
-56	1.42042	1.42726	1.43392	1.44041	1.44673	1.45289
-58	1.42513	1.43212	1.43892	1.44555	1.45200	1.45829
-60	1.42909	1.43623	1.44318	1.44995	1.45654	1.46296
-62	1.43225	1.43956	1.44667	1.45359	1.46032	1.46689
-64	1.43458	1.44207	1.44935	1.45643	1.46332	1.47003
-66	1.43605	1.44372	1.45118	1.45843	1.46549	1.47236
-68	1.43661	1.44448	1.45213	1.45957	1.46681	1.47385
-70						1.47445
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\tau_0(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	1.38	1.40	1.42	1.44	1.46	1.48
88	0.02642	0.02651	0.02659	0.02667	0.02675	0.02683
86	0.05284	0.05301	0.05317	0.05334	0.05349	0.05365
84	0.07925	0.07950	0.07974	0.07999	0.08022	0.08046
82	0.10563	0.10596	0.10629	0.10662	0.10693	0.10724
80	0.13198	0.13240	0.13282	0.13322	0.13361	0.13400
78	0.15831	0.15881	0.15930	0.15979	0.16026	0.16073
76	0.18459	0.18517	0.18575	0.18631	0.18687	0.18741
74	0.21082	0.21149	0.21215	0.21279	0.21342	0.21404
72	0.23700	0.23775	0.23849	0.23921	0.23993	0.24062
70	0.26311	0.26395	0.26477	0.26558	0.26636	0.26714
68	0.28916	0.29008	0.29098	0.29187	0.29273	0.29358
66	0.31513	0.31614	0.31712	0.31808	0.31903	0.31995
64	0.34102	0.34211	0.34317	0.34422	0.34524	0.34624
62	0.36682	0.36799	0.36914	0.37026	0.37136	0.37244
60	0.39253	0.39378	0.39500	0.39621	0.39738	0.39854
58	0.41813	0.41946	0.42077	0.42205	0.42330	0.42453
56	0.44362	0.44503	0.44642	0.44778	0.44911	0.45042
54	0.46899	0.47049	0.47196	0.47339	0.47480	0.47618
52	0.49424	0.49582	0.49737	0.49888	0.50037	0.50182
50	0.51936	0.52102	0.52265	0.52424	0.52580	0.52733
48	0.54434	0.54608	0.54779	0.54946	0.55109	0.55270
46	0.56918	0.57100	0.57278	0.57453	0.57624	0.57792
44	0.59386	0.59576	0.59762	0.59945	0.60123	0.60299
42	0.61839	0.62037	0.62230	0.62421	0.62607	0.62789
40	0.64274	0.64480	0.64682	0.64880	0.65073	0.65263
38	0.66693	0.66907	0.67116	0.67321	0.67522	0.67719
36	0.69093	0.69315	0.69532	0.69745	0.69953	0.70157
34	0.71475	0.71704	0.71929	0.72149	0.72365	0.72576
32	0.73837	0.74074	0.74306	0.74534	0.74757	0.74976
30	0.76178	0.76424	0.76664	0.76899	0.77129	0.77355
28	0.78499	0.78752	0.79000	0.79242	0.79480	0.79712
26	0.80798	0.81059	0.81314	0.81564	0.81808	0.82048
24	0.83075	0.83343	0.83606	0.83863	0.84115	0.84361
22	0.85328	0.85604	0.85874	0.86138	0.86397	0.86651
20	0.87558	0.87841	0.88118	0.88390	0.88656	0.88917
18	0.89762	0.90053	0.90338	0.90617	0.90890	0.91157
16	0.91942	0.92240	0.92532	0.92818	0.93098	0.93372
14	0.94094	0.94400	0.94700	0.94993	0.95280	0.95561
12	0.96220	0.96534	0.96840	0.97140	0.97434	0.97722
10	0.98318	0.98639	0.98953	0.99260	0.99561	0.99856
8	1.00388	1.00716	1.01037	1.01351	1.01659	1.01960
6	1.02428	1.02763	1.03091	1.03412	1.03727	1.04035
4	1.04437	1.04780	1.05115	1.05443	1.05765	1.06080
2	1.06416	1.06766	1.07108	1.07443	1.07772	1.08093
0	1.08362	1.08720	1.09069	1.09411	1.09746	1.10074

Table 1

ρ_0 α	1.38	1.40	1.42	1.44	1.46	1.48
-2	1.10276	1.10641	1.10997	1.11346	1.11688	1.12023
-4	1.12157	1.12528	1.12892	1.13248	1.13596	1.13937
-6	1.14002	1.14381	1.14752	1.15115	1.15470	1.15818
-8	1.15813	1.16199	1.16577	1.16946	1.17308	1.17662
-10	1.17587	1.17980	1.18365	1.18741	1.19110	1.19471
-12	1.19323	1.19724	1.20116	1.20499	1.20874	1.21242
-14	1.21022	1.21430	1.21829	1.22219	1.22601	1.22975
-16	1.22681	1.23097	1.23503	1.23900	1.24288	1.24669
-18	1.24301	1.24723	1.25136	1.25540	1.25936	1.26323
-20	1.25879	1.26309	1.26729	1.27140	1.27542	1.27936
-22	1.27415	1.27852	1.28279	1.28698	1.29106	1.29507
-24	1.28908	1.29352	1.29787	1.30212	1.30628	1.31035
-26	1.30356	1.30808	1.31250	1.31682	1.32105	1.32519
-28	1.31759	1.32219	1.32668	1.33108	1.33537	1.33957
-30	1.33115	1.33583	1.34040	1.34486	1.34923	1.35350
-32	1.34424	1.34899	1.35364	1.35818	1.36261	1.36695
-34	1.35684	1.36167	1.36639	1.37100	1.37551	1.37992
-36	1.36893	1.37384	1.37864	1.38333	1.38791	1.39239
-38	1.38050	1.38550	1.39038	1.39514	1.39980	1.40436
-40	1.39155	1.39663	1.40159	1.40643	1.41117	1.41580
-42	1.40205	1.40721	1.41226	1.41718	1.42200	1.42670
-44	1.41199	1.41724	1.42237	1.42738	1.43228	1.43706
-46	1.42135	1.42670	1.43191	1.43701	1.44199	1.44685
-48	1.43012	1.43556	1.44087	1.44605	1.45112	1.45606
-50	1.43828	1.44382	1.44922	1.45450	1.45965	1.46468
-52	1.44581	1.45145	1.45695	1.46232	1.46757	1.47269
-54	1.45269	1.45844	1.46404	1.46951	1.47485	1.48006
-56	1.45890	1.46476	1.47047	1.47604	1.48148	1.48679
-58	1.46442	1.47039	1.47622	1.48190	1.48744	1.49285
-60	1.46922	1.47531	1.48126	1.48705	1.49271	1.49822
-62	1.47328	1.47950	1.48557	1.49149	1.49726	1.50288
-64	1.47656	1.48293	1.48913	1.49517	1.50106	1.50681
-66	1.47905	1.48556	1.49190	1.49808	1.50410	1.50997
-68	1.48070	1.48737	1.49386	1.50018	1.50635	1.51235
-70	1.48148	1.48831	1.49497	1.50145	1.50776	1.51391
-72					1.50831	1.51461
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	1.50	1.52	1.54	1.56	1.58	1.60
88	0.02690	0.02698	0.02705	0.02712	0.02719	0.02726
86	0.05380	0.05395	0.05410	0.05424	0.05438	0.05452
84	0.08068	0.08091	0.08113	0.08134	0.08156	0.08176
82	0.10755	0.10785	0.10814	0.10843	0.10871	0.10898
80	0.13438	0.13476	0.13512	0.13548	0.13583	0.13618
78	0.16118	0.16163	0.16207	0.16250	0.16292	0.16334
76	0.18794	0.18846	0.18897	0.18948	0.18997	0.19045
74	0.21465	0.21525	0.21583	0.21640	0.21697	0.21752
72	0.24130	0.24197	0.24263	0.24328	0.24391	0.24453
70	0.26790	0.26864	0.26937	0.27009	0.27079	0.27148
68	0.29442	0.29524	0.29604	0.29682	0.29760	0.29835
66	0.32086	0.32175	0.32263	0.32349	0.32433	0.32515
64	0.34723	0.34819	0.34914	0.35006	0.35097	0.35187
62	0.37350	0.37453	0.37555	0.37655	0.37753	0.37849
60	0.39967	0.40078	0.40187	0.40294	0.40399	0.40502
58	0.42574	0.42692	0.42808	0.42922	0.43034	0.43144
56	0.45170	0.45295	0.45418	0.45539	0.45658	0.45774
54	0.47754	0.47886	0.48017	0.48144	0.48270	0.48393
52	0.50325	0.50465	0.50602	0.50737	0.50869	0.50999
50	0.52883	0.53030	0.53174	0.53316	0.53455	0.53591
48	0.55427	0.55581	0.55733	0.55881	0.56027	0.56170
46	0.57956	0.58118	0.58276	0.58431	0.58584	0.58733
44	0.60470	0.60639	0.60804	0.60966	0.61125	0.61281
42	0.62968	0.63144	0.63316	0.63484	0.63650	0.63813
40	0.65449	0.65632	0.65811	0.65986	0.66158	0.66327
38	0.67913	0.68102	0.68288	0.68470	0.68649	0.68824
36	0.70358	0.70554	0.70747	0.70935	0.71121	0.71302
34	0.72784	0.72987	0.73186	0.73382	0.73573	0.73762
32	0.75190	0.75400	0.75606	0.75808	0.76006	0.76201
30	0.77576	0.77793	0.78006	0.78214	0.78419	0.78620
28	0.79941	0.80164	0.80384	0.80599	0.80810	0.81017
26	0.82283	0.82514	0.82740	0.82961	0.83179	0.83392
24	0.84603	0.84840	0.85073	0.85301	0.85525	0.85744
22	0.86900	0.87144	0.87383	0.87617	0.87847	0.88072
20	0.89172	0.89423	0.89668	0.89909	0.90145	0.90377
18	0.91420	0.91677	0.91929	0.92176	0.92418	0.92656
16	0.93641	0.93905	0.94163	0.94417	0.94665	0.94909
14	0.95837	0.96107	0.96371	0.96631	0.96885	0.97135
12	0.98005	0.98281	0.98552	0.98818	0.99078	0.99334
10	1.00144	1.00427	1.00705	1.00977	1.01243	1.01505
8	1.02256	1.02545	1.02829	1.03107	1.03379	1.03647
6	1.04337	1.04633	1.04923	1.05207	1.05485	1.05759
4	1.06388	1.06690	1.06986	1.07276	1.07561	1.07840
2	1.08408	1.08716	1.09019	1.09315	1.09605	1.09890
0	1.10396	1.10710	1.11019	1.11321	1.11617	1.11908

Table 1

$\rho_0 \backslash \alpha$	1.50	1.52	1.54	1.56	1.58	1.60
-2	1.12350	1.12671	1.12986	1.13294	1.13596	1.13893
-4	1.14272	1.14599	1.14919	1.15234	1.15542	1.15844
-6	1.16158	1.16492	1.16818	1.17138	1.17452	1.17760
-8	1.18009	1.18349	1.18682	1.19008	1.19327	1.19641
-10	1.19824	1.20170	1.20509	1.20841	1.21166	1.21485
-12	1.21601	1.21953	1.22298	1.22636	1.22967	1.23292
-14	1.23341	1.23699	1.24050	1.24394	1.24731	1.25061
-16	1.25041	1.25406	1.25763	1.26112	1.26455	1.26791
-18	1.26701	1.27072	1.27435	1.27791	1.28139	1.28481
-20	1.28321	1.28698	1.29067	1.29428	1.29783	1.30130
-22	1.29898	1.30281	1.30657	1.31024	1.31384	1.31737
-24	1.31433	1.31822	1.32204	1.32577	1.32943	1.33301
-26	1.32923	1.33319	1.33707	1.34086	1.34458	1.34822
-28	1.34369	1.34771	1.35165	1.35550	1.35928	1.36297
-30	1.35768	1.36177	1.36577	1.36968	1.37352	1.37727
-32	1.37120	1.37535	1.37942	1.38339	1.38729	1.39110
-34	1.38424	1.38846	1.39258	1.39663	1.40058	1.40445
-36	1.39678	1.40106	1.40526	1.40936	1.41338	1.41731
-38	1.40881	1.41317	1.41743	1.42160	1.42568	1.42967
-40	1.42032	1.42475	1.42908	1.43331	1.43746	1.44151
-42	1.43130	1.43580	1.44020	1.44450	1.44871	1.45283
-44	1.44173	1.44630	1.45077	1.45514	1.45942	1.46360
-46	1.45160	1.45625	1.46079	1.46523	1.46957	1.47383
-48	1.46090	1.46562	1.47023	1.47475	1.47916	1.48348
-50	1.46960	1.47440	1.47909	1.48368	1.48817	1.49256
-52	1.47769	1.48257	1.48735	1.49201	1.49658	1.50104
-54	1.48515	1.49012	1.49498	1.49973	1.50437	1.50891
-56	1.49197	1.49704	1.50198	1.50681	1.51153	1.51615
-58	1.49813	1.50329	1.50832	1.51324	1.51805	1.52275
-60	1.50361	1.50886	1.51399	1.51900	1.52390	1.52868
-62	1.50838	1.51373	1.51897	1.52407	1.52906	1.53394
-64	1.51241	1.51788	1.52322	1.52843	1.53352	1.53849
-66	1.51570	1.52129	1.52673	1.53205	1.53724	1.54231
-68	1.51821	1.52391	1.52948	1.53492	1.54022	1.54539
-70	1.51990	1.52574	1.53144	1.53699	1.54241	1.54770
-72	1.52075	1.52674	1.53257	1.53825	1.54380	1.54921
-74					1.54435	1.54989
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	1.62	1.64	1.66	1.68	1.70	1.72
88	0.02733	0.02740	0.02746	0.02753	0.02759	0.02765
86	0.05466	0.05479	0.05492	0.05505	0.05518	0.05530
84	0.08197	0.08217	0.08236	0.08256	0.08275	0.08293
82	0.10926	0.10952	0.10979	0.11004	0.11030	0.11054
80	0.13652	0.13685	0.13718	0.13750	0.13782	0.13813
78	0.16374	0.16414	0.16454	0.16492	0.16530	0.16567
76	0.19093	0.19139	0.19185	0.19230	0.19274	0.19318
74	0.21806	0.21859	0.21912	0.21963	0.22014	0.22063
72	0.24514	0.24574	0.24633	0.24690	0.24747	0.24803
70	0.27215	0.27282	0.27347	0.27411	0.27474	0.27536
68	0.29910	0.29983	0.30055	0.30125	0.30194	0.30262
66	0.32596	0.32676	0.32754	0.32831	0.32907	0.32981
64	0.35275	0.35361	0.35445	0.35529	0.35610	0.35691
62	0.37944	0.38036	0.38127	0.38217	0.38305	0.38391
60	0.40603	0.40702	0.40799	0.40895	0.40989	0.41082
58	0.43251	0.43357	0.43461	0.43563	0.43663	0.43761
56	0.45888	0.46001	0.46111	0.46219	0.46325	0.46430
54	0.48514	0.48632	0.48749	0.48863	0.48975	0.49086
52	0.51126	0.51251	0.51374	0.51494	0.51613	0.51729
50	0.53725	0.53856	0.53985	0.54112	0.54237	0.54359
48	0.56310	0.56448	0.56583	0.56716	0.56846	0.56974
46	0.58880	0.59024	0.59165	0.59304	0.59441	0.59575
44	0.61434	0.61584	0.61732	0.61877	0.62019	0.62159
42	0.63972	0.64129	0.64282	0.64433	0.64582	0.64727
40	0.66493	0.66656	0.66816	0.66973	0.67127	0.67278
38	0.68996	0.69165	0.69331	0.69494	0.69654	0.69811
36	0.71481	0.71656	0.71828	0.71997	0.72163	0.72326
34	0.73946	0.74128	0.74306	0.74480	0.74652	0.74820
32	0.76392	0.76579	0.76763	0.76944	0.77121	0.77295
30	0.78817	0.79010	0.79200	0.79386	0.79569	0.79749
28	0.81220	0.81419	0.81615	0.81807	0.81996	0.82181
26	0.83601	0.83806	0.84008	0.84206	0.84400	0.84591
24	0.85959	0.86170	0.86378	0.86581	0.86781	0.86978
22	0.88294	0.88511	0.88724	0.88933	0.89139	0.89340
20	0.90604	0.90827	0.91046	0.91261	0.91472	0.91679
18	0.92889	0.93118	0.93342	0.93563	0.93779	0.93991
16	0.95148	0.95382	0.95613	0.95838	0.96060	0.96278
14	0.97380	0.97620	0.97856	0.98088	0.98315	0.98538
12	0.99585	0.99831	1.00072	1.00309	1.00542	1.00770
10	1.01761	1.02013	1.02260	1.02502	1.02740	1.02974
8	1.03909	1.04166	1.04419	1.04666	1.04910	1.05148
6	1.06027	1.06289	1.06547	1.06800	1.07049	1.07293
4	1.08114	1.08382	1.08645	1.08904	1.09157	1.09406
2	1.10169	1.10443	1.10712	1.10976	1.11234	1.11489
0	1.12193	1.12472	1.12746	1.13015	1.13279	1.13538

Table 1

$\rho_0 \backslash \alpha$	1.62	1.64	1.66	1.68	1.70	1.72
-2	1.14183	1.14468	1.14747	1.15022	1.15291	1.15555
-4	1.16140	1.16430	1.16715	1.16994	1.17268	1.17537
-6	1.18061	1.18357	1.18647	1.18932	1.19211	1.19485
-8	1.19948	1.20249	1.20544	1.20834	1.21118	1.21397
-10	1.21797	1.22104	1.22405	1.22699	1.22989	1.23273
-12	1.23610	1.23922	1.24228	1.24528	1.24822	1.25111
-14	1.25384	1.25702	1.26013	1.26318	1.26617	1.26911
-16	1.27120	1.27442	1.27759	1.28069	1.28373	1.28672
-18	1.28815	1.29143	1.29465	1.29780	1.30089	1.30392
-20	1.30470	1.30803	1.31130	1.31450	1.31764	1.32072
-22	1.32082	1.32421	1.32753	1.33078	1.33398	1.33711
-24	1.33652	1.33996	1.34333	1.34664	1.34988	1.35306
-26	1.35178	1.35528	1.35870	1.36206	1.36535	1.36858
-28	1.36660	1.37015	1.37362	1.37703	1.38037	1.38365
-30	1.38095	1.38456	1.38809	1.39155	1.39494	1.39827
-32	1.39484	1.39850	1.40208	1.40560	1.40904	1.41242
-34	1.40825	1.41196	1.41560	1.41917	1.42266	1.42609
-36	1.42116	1.42494	1.42863	1.43225	1.43580	1.43927
-38	1.43358	1.43741	1.44116	1.44483	1.44843	1.45196
-40	1.44548	1.44937	1.45318	1.45691	1.46056	1.46414
-42	1.45686	1.46081	1.46467	1.46846	1.47217	1.47580
-44	1.46770	1.47171	1.47563	1.47947	1.48324	1.48693
-46	1.47798	1.48206	1.48604	1.48994	1.49377	1.49751
-48	1.48771	1.49184	1.49589	1.49985	1.50373	1.50753
-50	1.49685	1.50105	1.50516	1.50919	1.51313	1.51699
-52	1.50540	1.50967	1.51385	1.51794	1.52194	1.52586
-54	1.51335	1.51769	1.52193	1.52609	1.53016	1.53414
-56	1.52066	1.52508	1.52940	1.53362	1.53775	1.54180
-58	1.52734	1.53183	1.53622	1.54052	1.54472	1.54884
-60	1.53336	1.53793	1.54240	1.54677	1.55105	1.55523
-62	1.53870	1.54335	1.54790	1.55235	1.55671	1.56096
-64	1.54334	1.54808	1.55272	1.55725	1.56168	1.56602
-66	1.54726	1.55210	1.55683	1.56145	1.56596	1.57038
-68	1.55045	1.55538	1.56020	1.56491	1.56952	1.57402
-70	1.55286	1.55790	1.56283	1.56764	1.57233	1.57692
-72	1.55449	1.55964	1.56467	1.56958	1.57438	1.57907
-74	1.55529	1.56057	1.56571	1.57074	1.57564	1.58044
-76					1.57609	1.58099
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	1.74	1.76	1.78	1.80	1.82	1.84
88	0.02771	0.02778	0.02783	0.02789	0.02795	0.02801
86	0.05542	0.05554	0.05566	0.05578	0.05589	0.05600
84	0.08312	0.08330	0.08347	0.08365	0.08382	0.08399
82	0.11079	0.11103	0.11126	0.11150	0.11172	0.11195
80	0.13843	0.13873	0.13903	0.13932	0.13960	0.13988
78	0.16604	0.16640	0.16675	0.16710	0.16744	0.16778
76	0.19360	0.19402	0.19444	0.19484	0.19524	0.19563
74	0.22112	0.22160	0.22207	0.22253	0.22299	0.22344
72	0.24858	0.24912	0.24965	0.25017	0.25068	0.25118
70	0.27597	0.27657	0.27716	0.27774	0.27830	0.27886
68	0.30329	0.30395	0.30460	0.30523	0.30586	0.30647
66	0.33054	0.33125	0.33196	0.33265	0.33333	0.33400
64	0.35769	0.35847	0.35923	0.35998	0.36072	0.36144
62	0.38476	0.38559	0.38641	0.38722	0.38801	0.38879
60	0.41172	0.41262	0.41349	0.41435	0.41520	0.41604
58	0.43858	0.43953	0.44046	0.44138	0.44229	0.44317
56	0.46532	0.46633	0.46732	0.46830	0.46926	0.47020
54	0.49194	0.49301	0.49406	0.49509	0.49610	0.49710
52	0.51844	0.51956	0.52066	0.52175	0.52282	0.52387
50	0.54479	0.54597	0.54713	0.54827	0.54939	0.55050
48	0.57100	0.57224	0.57346	0.57465	0.57583	0.57698
46	0.59706	0.59836	0.59963	0.60088	0.60211	0.60332
44	0.62297	0.62432	0.62565	0.62695	0.62823	0.62949
42	0.64871	0.65011	0.65149	0.65285	0.65419	0.65550
40	0.67427	0.67573	0.67717	0.67858	0.67997	0.68134
38	0.69966	0.70117	0.70267	0.70413	0.70557	0.70699
36	0.72486	0.72643	0.72797	0.72949	0.73099	0.73245
34	0.74986	0.75149	0.75309	0.75466	0.75620	0.75772
32	0.77466	0.77634	0.77800	0.77962	0.78122	0.78279
30	0.79926	0.80099	0.80270	0.80437	0.80602	0.80764
28	0.82363	0.82542	0.82718	0.82891	0.83060	0.83227
26	0.84778	0.84963	0.85144	0.85321	0.85496	0.85668
24	0.87170	0.87360	0.87546	0.87729	0.87909	0.88085
22	0.89539	0.89733	0.89925	0.90113	0.90297	0.90479
20	0.91882	0.92082	0.92278	0.92471	0.92661	0.92847
18	0.94200	0.94405	0.94607	0.94805	0.94999	0.95190
16	0.96492	0.96702	0.96909	0.97112	0.97311	0.97507
14	0.98757	0.98972	0.99184	0.99391	0.99596	0.99796
12	1.00994	1.01215	1.01431	1.01644	1.01852	1.02058
10	1.03203	1.03428	1.03650	1.03867	1.04081	1.04291
8	1.05383	1.05613	1.05839	1.06061	1.06280	1.06494
6	1.07532	1.07767	1.07998	1.08225	1.08448	1.08667
4	1.09651	1.09891	1.10127	1.10358	1.10586	1.10809
2	1.11738	1.11983	1.12223	1.12460	1.12692	1.12920
0	1.13793	1.14042	1.14288	1.14529	1.14765	1.14998

Table 1

$\rho_0 \backslash \alpha$	1.74	1.76	1.78	1.80	1.82	1.84
-2	1.15814	1.16069	1.16319	1.16564	1.16805	1.17042
-4	1.17801	1.18061	1.18315	1.18565	1.18811	1.19052
-6	1.19754	1.20018	1.20277	1.20532	1.20782	1.21028
-8	1.21671	1.21940	1.22203	1.22463	1.22717	1.22967
-10	1.23551	1.23825	1.24093	1.24357	1.24616	1.24870
-12	1.25394	1.25672	1.25945	1.26213	1.26477	1.26735
-14	1.27199	1.27482	1.27759	1.28032	1.28299	1.28562
-16	1.28964	1.29252	1.29534	1.29811	1.30083	1.30350
-18	1.30690	1.30982	1.31269	1.31550	1.31826	1.32098
-20	1.32375	1.32671	1.32963	1.33248	1.33529	1.33805
-22	1.34018	1.34319	1.34615	1.34905	1.35190	1.35470
-24	1.35618	1.35924	1.36224	1.36519	1.36808	1.37092
-26	1.37175	1.37485	1.37790	1.38089	1.38383	1.38671
-28	1.38687	1.39002	1.39311	1.39615	1.39912	1.40205
-30	1.40153	1.40473	1.40787	1.41095	1.41397	1.41694
-32	1.41573	1.41897	1.42216	1.42528	1.42835	1.43136
-34	1.42945	1.43274	1.43597	1.43914	1.44225	1.44531
-36	1.44268	1.44603	1.44930	1.45252	1.45567	1.45877
-38	1.45542	1.45881	1.46214	1.46540	1.46860	1.47174
-40	1.46765	1.47109	1.47447	1.47777	1.48102	1.48420
-42	1.47936	1.48285	1.48628	1.48963	1.49292	1.49615
-44	1.49054	1.49408	1.49756	1.50096	1.50430	1.50757
-46	1.50118	1.50477	1.50830	1.51175	1.51514	1.51846
-48	1.51126	1.51491	1.51848	1.52199	1.52542	1.52879
-50	1.52077	1.52447	1.52810	1.53166	1.53515	1.53857
-52	1.52970	1.53346	1.53715	1.54076	1.54429	1.54776
-54	1.53804	1.54186	1.54560	1.54926	1.55285	1.55638
-56	1.54576	1.54964	1.55344	1.55717	1.56081	1.56439
-58	1.55286	1.55681	1.56067	1.56445	1.56816	1.57179
-60	1.55933	1.56333	1.56726	1.57110	1.57487	1.57855
-62	1.56513	1.56921	1.57320	1.57711	1.58093	1.58468
-64	1.57026	1.57441	1.57847	1.58244	1.58634	1.59015
-66	1.57470	1.57892	1.58306	1.58710	1.59106	1.59494
-68	1.57842	1.58273	1.58694	1.59106	1.59509	1.59904
-70	1.58142	1.58581	1.59010	1.59430	1.59841	1.60243
-72	1.58365	1.58813	1.59251	1.59680	1.60099	1.60509
-74	1.58512	1.58969	1.59416	1.59854	1.60281	1.60700
-76	1.58578	1.59045	1.59503	1.59949	1.60386	1.60813
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	1.86	1.88	1.90	1.92	1.94	1.96
88	0.02806	0.02811	0.02817	0.02822	0.02827	0.02832
86	0.05611	0.05622	0.05633	0.05643	0.05654	0.05664
84	0.08415	0.08432	0.08448	0.08463	0.08479	0.08494
82	0.11217	0.11239	0.11260	0.11281	0.11302	0.11322
80	0.14016	0.14043	0.14070	0.14096	0.14122	0.14147
78	0.16811	0.16844	0.16876	0.16907	0.16938	0.16969
76	0.19602	0.19640	0.19677	0.19714	0.19750	0.19786
74	0.22388	0.22431	0.22474	0.22516	0.22557	0.22598
72	0.25168	0.25216	0.25264	0.25312	0.25358	0.25404
70	0.27941	0.27995	0.28049	0.28101	0.28153	0.28203
68	0.30708	0.30767	0.30825	0.30883	0.30940	0.30995
66	0.33466	0.33531	0.33594	0.33657	0.33719	0.33780
64	0.36215	0.36286	0.36355	0.36422	0.36489	0.36555
62	0.38956	0.39031	0.39105	0.39178	0.39250	0.39321
60	0.41686	0.41766	0.41846	0.41924	0.42001	0.42076
58	0.44405	0.44491	0.44575	0.44659	0.44740	0.44821
56	0.47112	0.47204	0.47293	0.47382	0.47468	0.47554
54	0.49808	0.49904	0.49999	0.50092	0.50184	0.50274
52	0.52490	0.52591	0.52691	0.52790	0.52886	0.52982
50	0.55158	0.55265	0.55370	0.55473	0.55575	0.55675
48	0.57812	0.57924	0.58034	0.58142	0.58249	0.58354
46	0.60451	0.60568	0.60683	0.60796	0.60907	0.61017
44	0.63074	0.63196	0.63316	0.63434	0.63550	0.63664
42	0.65679	0.65807	0.65932	0.66055	0.66175	0.66295
40	0.68268	0.68400	0.68530	0.68658	0.68784	0.68907
38	0.70838	0.70975	0.71110	0.71243	0.71373	0.71502
36	0.73390	0.73532	0.73671	0.73809	0.73944	0.74077
34	0.75921	0.76068	0.76213	0.76355	0.76495	0.76632
32	0.78433	0.78585	0.78734	0.78881	0.79025	0.79167
30	0.80923	0.81080	0.81234	0.81385	0.81534	0.81681
28	0.83391	0.83553	0.83711	0.83868	0.84021	0.84172
26	0.85837	0.86003	0.86166	0.86327	0.86485	0.86641
24	0.88259	0.88430	0.88598	0.88763	0.88926	0.89086
22	0.90657	0.90833	0.91006	0.91175	0.91342	0.91507
20	0.93031	0.93211	0.93388	0.93562	0.93734	0.93902
18	0.95378	0.95563	0.95745	0.95923	0.96099	0.96272
16	0.97699	0.97889	0.98075	0.98258	0.98438	0.98615
14	0.99993	1.00187	1.00378	1.00565	1.00750	1.00931
12	1.02260	1.02458	1.02653	1.02845	1.03033	1.03219
10	1.04497	1.04700	1.04899	1.05095	1.05288	1.05478
8	1.06705	1.06912	1.07116	1.07316	1.07513	1.07707
6	1.08883	1.09094	1.09302	1.09507	1.09708	1.09906
4	1.11029	1.11245	1.11457	1.11666	1.11871	1.12073
2	1.13144	1.13364	1.13581	1.13794	1.14003	1.14209
0	1.15226	1.15451	1.15671	1.15888	1.16102	1.16312

Table 1

$\rho_0 \backslash \alpha$	1.86	1.88	1.90	1.92	1.94	1.96
-2	1.17275	1.17504	1.17729	1.17950	1.18167	1.18381
-4	1.19289	1.19522	1.19751	1.19977	1.20198	1.20415
-6	1.21269	1.21506	1.21739	1.21968	1.22194	1.22415
-8	1.23213	1.23454	1.23691	1.23924	1.24153	1.24379
-10	1.25120	1.25365	1.25606	1.25843	1.26076	1.26305
-12	1.26989	1.27239	1.27484	1.27725	1.27962	1.28195
-14	1.28820	1.29074	1.29323	1.29568	1.29809	1.30045
-16	1.30612	1.30870	1.31123	1.31372	1.31616	1.31857
-18	1.32364	1.32626	1.32883	1.33136	1.33384	1.33628
-20	1.34075	1.34341	1.34602	1.34858	1.35111	1.35358
-22	1.35744	1.36014	1.36279	1.36539	1.36795	1.37047
-24	1.37371	1.37645	1.37913	1.38178	1.38437	1.38692
-26	1.38954	1.39231	1.39504	1.39772	1.40036	1.40294
-28	1.40492	1.40774	1.41051	1.41322	1.41590	1.41852
-30	1.41985	1.42271	1.42551	1.42827	1.43098	1.43364
-32	1.43431	1.43721	1.44006	1.44285	1.44560	1.44830
-34	1.44830	1.45124	1.45413	1.45696	1.45975	1.46248
-36	1.46181	1.46479	1.46772	1.47059	1.47341	1.47619
-38	1.47482	1.47784	1.48081	1.48373	1.48659	1.48940
-40	1.48733	1.49039	1.49340	1.49636	1.49926	1.50210
-42	1.49932	1.50243	1.50548	1.50847	1.51141	1.51430
-44	1.51079	1.51394	1.51703	1.52007	1.52305	1.52597
-46	1.52172	1.52491	1.52805	1.53113	1.53415	1.53711
-48	1.53210	1.53534	1.53852	1.54164	1.54470	1.54771
-50	1.54192	1.54520	1.54843	1.55159	1.55470	1.55775
-52	1.55116	1.55450	1.55777	1.56098	1.56413	1.56722
-54	1.55983	1.56321	1.56653	1.56979	1.57298	1.57611
-56	1.56789	1.57133	1.57469	1.57800	1.58124	1.58442
-58	1.57534	1.57883	1.58225	1.58560	1.58889	1.59212
-60	1.58217	1.58571	1.58918	1.59259	1.59592	1.59920
-62	1.58835	1.59195	1.59548	1.59894	1.60233	1.60565
-64	1.59388	1.59754	1.60112	1.60464	1.60808	1.61146
-66	1.59874	1.60246	1.60610	1.60967	1.61317	1.61661
-68	1.60291	1.60669	1.61040	1.61403	1.61759	1.62108
-70	1.60637	1.61022	1.61399	1.61769	1.62131	1.62486
-72	1.60910	1.61303	1.61687	1.62064	1.62433	1.62794
-74	1.61109	1.61509	1.61901	1.62285	1.62661	1.63029
-76	1.61231	1.61640	1.62040	1.62431	1.62814	1.63190
-78	1.61274	1.61692	1.62100	1.62500	1.62891	1.63274
-80						
-82						
-84						
-86						
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	1.98	2.00	2.10	2.20	2.30	2.40
88	0.02837	0.02842	0.02866	0.02888	0.02908	0.02927
86	0.05674	0.05684	0.05731	0.05775	0.05816	0.05854
84	0.08509	0.08524	0.08595	0.08661	0.08722	0.08779
82	0.11342	0.11362	0.11456	0.11544	0.11626	0.11702
80	0.14172	0.14197	0.14315	0.14424	0.14526	0.14622
78	0.16999	0.17028	0.17170	0.17301	0.17423	0.17538
76	0.19821	0.19855	0.20020	0.20173	0.20316	0.20449
74	0.22638	0.22677	0.22865	0.23040	0.23203	0.23355
72	0.25449	0.25493	0.25705	0.25901	0.26084	0.26255
70	0.28253	0.28302	0.28537	0.28756	0.28959	0.29148
68	0.31050	0.31104	0.31363	0.31602	0.31825	0.32034
66	0.33839	0.33898	0.34180	0.34441	0.34684	0.34911
64	0.36620	0.36683	0.36988	0.37270	0.37533	0.37779
62	0.39390	0.39459	0.39786	0.40090	0.40373	0.40637
60	0.42151	0.42224	0.42574	0.42900	0.43202	0.43485
58	0.44900	0.44979	0.45351	0.45698	0.46020	0.46321
56	0.47638	0.47721	0.48117	0.48484	0.48826	0.49145
54	0.50363	0.50451	0.50869	0.51257	0.51618	0.51955
52	0.53075	0.53168	0.53608	0.54017	0.54398	0.54753
50	0.55773	0.55870	0.56333	0.56763	0.57163	0.57536
48	0.58457	0.58559	0.59044	0.59494	0.59913	0.60303
46	0.61125	0.61231	0.61738	0.62209	0.62647	0.63055
44	0.63777	0.63888	0.64417	0.64907	0.65364	0.65790
42	0.66412	0.66527	0.67078	0.67589	0.68064	0.68507
40	0.69029	0.69149	0.69721	0.70252	0.70746	0.71206
38	0.71628	0.71752	0.72346	0.72897	0.73409	0.73886
36	0.74208	0.74337	0.74952	0.75522	0.76052	0.76547
34	0.76768	0.76901	0.77537	0.78127	0.78675	0.79187
32	0.79307	0.79445	0.80102	0.80711	0.81277	0.81805
30	0.81825	0.81967	0.82645	0.83273	0.83857	0.84402
28	0.84321	0.84467	0.85166	0.85813	0.86415	0.86975
26	0.86794	0.86945	0.87663	0.88329	0.88948	0.89525
24	0.89243	0.89398	0.90137	0.90822	0.91458	0.92051
22	0.91668	0.91827	0.92587	0.93290	0.93943	0.94551
20	0.94068	0.94232	0.95010	0.95732	0.96402	0.97026
18	0.96442	0.96610	0.97408	0.98148	0.98835	0.99474
16	0.98790	0.98961	0.99779	1.00537	1.01240	1.01895
14	1.01110	1.01285	1.02123	1.02898	1.03617	1.04287
12	1.03402	1.03581	1.04438	1.05230	1.05966	1.06651
10	1.05664	1.05848	1.06723	1.07533	1.08285	1.08985
8	1.07898	1.08085	1.08979	1.09806	1.10574	1.11288
6	1.10100	1.10292	1.11204	1.12049	1.12832	1.13560
4	1.12272	1.12467	1.13398	1.14259	1.15058	1.15801
2	1.14411	1.14610	1.15560	1.16437	1.17251	1.18008
0	1.16518	1.16721	1.17688	1.18582	1.19411	1.20182

Table 1

ρ_0 α	1.98	2.00	2.10	2.20	2.30	2.40
-2	1.18591	1.18798	1.19783	1.20693	1.21537	1.22321
-4	1.20629	1.20840	1.21843	1.22769	1.23628	1.24426
-6	1.22633	1.22847	1.23867	1.24809	1.25683	1.26494
-8	1.24600	1.24818	1.25855	1.26814	1.27701	1.28526
-10	1.26531	1.26752	1.27807	1.28781	1.29682	1.30520
-12	1.28424	1.28649	1.29720	1.30710	1.31625	1.32476
-14	1.30278	1.30507	1.31595	1.32600	1.33530	1.34393
-16	1.32093	1.32325	1.33431	1.34450	1.35394	1.36270
-18	1.33868	1.34104	1.35226	1.36261	1.37218	1.38107
-20	1.35602	1.35841	1.36980	1.38030	1.39001	1.39902
-22	1.37294	1.37537	1.38692	1.39757	1.40741	1.41654
-24	1.38943	1.39189	1.40361	1.41441	1.42439	1.43364
-26	1.40549	1.40799	1.41987	1.43081	1.44093	1.45030
-28	1.42110	1.42363	1.43568	1.44677	1.45702	1.46651
-30	1.43626	1.43883	1.45104	1.46227	1.47265	1.48226
-32	1.45095	1.45355	1.46593	1.47732	1.48783	1.49756
-34	1.46517	1.46781	1.48035	1.49188	1.50253	1.51238
-36	1.47891	1.48159	1.49429	1.50597	1.51675	1.52671
-38	1.49216	1.49487	1.50774	1.51957	1.53048	1.54056
-40	1.50490	1.50765	1.52069	1.53267	1.54371	1.55392
-42	1.51713	1.51992	1.53313	1.54526	1.55643	1.56676
-44	1.52885	1.53167	1.54505	1.55733	1.56864	1.57909
-46	1.54002	1.54288	1.55644	1.56888	1.58032	1.59089
-48	1.55066	1.55356	1.56729	1.57988	1.59147	1.60216
-50	1.56074	1.56368	1.57759	1.59034	1.60207	1.61289
-52	1.57025	1.57323	1.58733	1.60025	1.61212	1.62306
-54	1.57919	1.58221	1.59650	1.60958	1.62160	1.63267
-56	1.58754	1.59060	1.60509	1.61834	1.63051	1.64171
-58	1.59528	1.59838	1.61308	1.62651	1.63883	1.65017
-60	1.60241	1.60556	1.62046	1.63407	1.64655	1.65804
-62	1.60891	1.61211	1.62722	1.64102	1.65367	1.66530
-64	1.61477	1.61802	1.63336	1.64735	1.66017	1.67195
-66	1.61997	1.62327	1.63885	1.65305	1.66604	1.67797
-68	1.62450	1.62785	1.64368	1.65809	1.67127	1.68336
-70	1.62834	1.63175	1.64784	1.66247	1.67584	1.68811
-72	1.63148	1.63495	1.65131	1.66618	1.67975	1.69219
-74	1.63390	1.63743	1.65408	1.66919	1.68298	1.69560
-76	1.63557	1.63917	1.65612	1.67150	1.68551	1.69833
-78	1.63649	1.64016	1.65744	1.67309	1.68734	1.70037
-80			1.65800	1.67394	1.68845	1.70169
-82						1.70229
-84						
-86						
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	2.50	2.60	2.70	2.80	2.90	3.00
88	0.02945	0.02962	0.02978	0.02992	0.03006	0.03020
86	0.05890	0.05923	0.05955	0.05984	0.06012	0.06039
84	0.08833	0.08883	0.08930	0.08974	0.09016	0.09056
82	0.11773	0.11840	0.11903	0.11962	0.12018	0.12071
80	0.14711	0.14794	0.14873	0.14947	0.15016	0.15082
78	0.17644	0.17745	0.17839	0.17927	0.18011	0.18090
76	0.20574	0.20690	0.20800	0.20903	0.21001	0.21093
74	0.23497	0.23631	0.23756	0.23874	0.23985	0.24090
72	0.26415	0.26565	0.26706	0.26838	0.26963	0.27081
70	0.29326	0.29492	0.29648	0.29795	0.29934	0.30065
68	0.32229	0.32411	0.32583	0.32745	0.32897	0.33041
66	0.35123	0.35322	0.35509	0.35685	0.35852	0.36008
64	0.38009	0.38224	0.38426	0.38617	0.38796	0.38966
62	0.40884	0.41116	0.41333	0.41538	0.41731	0.41913
60	0.43749	0.43996	0.44229	0.44448	0.44655	0.44850
58	0.46602	0.46866	0.47113	0.47346	0.47566	0.47774
56	0.49443	0.49722	0.49985	0.50232	0.50465	0.50686
54	0.52271	0.52566	0.52844	0.53105	0.53351	0.53584
52	0.55085	0.55396	0.55688	0.55963	0.56223	0.56468
50	0.57884	0.58211	0.58518	0.58807	0.59079	0.59336
48	0.60668	0.61011	0.61332	0.61635	0.61920	0.62189
46	0.63437	0.63794	0.64130	0.64446	0.64744	0.65026
44	0.66188	0.66561	0.66911	0.67241	0.67551	0.67844
42	0.68921	0.69310	0.69674	0.70017	0.70340	0.70645
40	0.71637	0.72040	0.72418	0.72774	0.73110	0.73427
38	0.74333	0.74751	0.75143	0.75512	0.75860	0.76189
36	0.77009	0.77442	0.77848	0.78230	0.78590	0.78930
34	0.79664	0.80112	0.80532	0.80927	0.81299	0.81650
32	0.82298	0.82760	0.83194	0.83601	0.83985	0.84348
30	0.84910	0.85386	0.85833	0.86253	0.86649	0.87023
28	0.87499	0.87989	0.88449	0.88882	0.89289	0.89674
26	0.90064	0.90568	0.91041	0.91486	0.91905	0.92300
24	0.92604	0.93123	0.93609	0.94066	0.94496	0.94902
22	0.95120	0.95652	0.96150	0.96619	0.97061	0.97477
20	0.97609	0.98154	0.98666	0.99147	0.99599	1.00026
18	1.00071	1.00630	1.01154	1.01646	1.02110	1.02547
16	1.02506	1.03078	1.03614	1.04118	1.04593	1.05040
14	1.04913	1.05498	1.06046	1.06561	1.07046	1.07503
12	1.07290	1.07888	1.08448	1.08975	1.09470	1.09937
10	1.09638	1.10248	1.10820	1.11358	1.11863	1.12340
8	1.11955	1.12578	1.13161	1.13710	1.14225	1.14711
6	1.14240	1.14875	1.15471	1.16030	1.16555	1.17051
4	1.16493	1.17141	1.17747	1.18317	1.18852	1.19357
2	1.18714	1.19373	1.19991	1.20571	1.21116	1.21630
0	1.20900	1.21572	1.22200	1.22790	1.23345	1.23868

Table 1

ρ_0 α	2.50	2.60	2.70	2.80	2.90	3.00
-2	1.23052	1.23735	1.24375	1.24975	1.25539	1.26070
-4	1.25169	1.25864	1.26514	1.27124	1.27697	1.28237
-6	1.27250	1.27956	1.28616	1.29236	1.29818	1.30367
-8	1.29294	1.30011	1.30682	1.31311	1.31902	1.32459
-10	1.31300	1.32028	1.32709	1.33348	1.33948	1.34513
-12	1.33268	1.34007	1.34698	1.35346	1.35955	1.36528
-14	1.35196	1.35946	1.36647	1.37305	1.37922	1.38503
-16	1.37085	1.37845	1.38556	1.39223	1.39848	1.40437
-18	1.38933	1.39704	1.40424	1.41100	1.41733	1.42329
-20	1.40739	1.41521	1.42251	1.42934	1.43576	1.44180
-22	1.42503	1.43295	1.44034	1.44727	1.45376	1.45987
-24	1.44224	1.45026	1.45774	1.46475	1.47133	1.47751
-26	1.45901	1.46712	1.47470	1.48180	1.48845	1.49471
-28	1.47533	1.48354	1.49121	1.49839	1.50512	1.51145
-30	1.49119	1.49951	1.50727	1.51453	1.52133	1.52773
-32	1.50659	1.51500	1.52285	1.53019	1.53707	1.54354
-34	1.52152	1.53003	1.53797	1.54539	1.55234	1.55887
-36	1.53596	1.54457	1.55260	1.56010	1.56713	1.57373
-38	1.54992	1.55862	1.56674	1.57432	1.58142	1.58809
-40	1.56338	1.57218	1.58038	1.58804	1.59522	1.60195
-42	1.57633	1.58523	1.59352	1.60126	1.60850	1.61530
-44	1.58877	1.59776	1.60614	1.61396	1.62128	1.62814
-46	1.60068	1.60977	1.61824	1.62614	1.63353	1.64046
-48	1.61206	1.62125	1.62980	1.63779	1.64525	1.65224
-50	1.62290	1.63219	1.64083	1.64889	1.65643	1.66349
-52	1.63319	1.64258	1.65131	1.65945	1.66706	1.67419
-54	1.64291	1.65241	1.66123	1.66946	1.67714	1.68434
-56	1.65207	1.66167	1.67059	1.67890	1.68666	1.69392
-58	1.66065	1.67035	1.67937	1.68776	1.69560	1.70293
-60	1.66864	1.67845	1.68756	1.69605	1.70396	1.71137
-62	1.67603	1.68595	1.69517	1.70374	1.71174	1.71921
-64	1.68281	1.69285	1.70217	1.71083	1.71891	1.72646
-66	1.68897	1.69913	1.70856	1.71732	1.72548	1.73310
-68	1.69450	1.70479	1.71432	1.72318	1.73143	1.73914
-70	1.69939	1.70981	1.71946	1.72842	1.73676	1.74455
-72	1.70363	1.71418	1.72395	1.73302	1.74145	1.74932
-74	1.70720	1.71790	1.72779	1.73697	1.74551	1.75346
-76	1.71010	1.72095	1.73097	1.74027	1.74890	1.75695
-78	1.71232	1.72332	1.73348	1.74289	1.75164	1.75978
-80	1.71383	1.72499	1.73530	1.74484	1.75370	1.76195
-82	1.71462	1.72597	1.73643	1.74610	1.75508	1.76343
-84			1.73684	1.74666	1.75577	1.76423
-86						
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	3.10	3.20	3.30	3.40	3.50	3.60
88	0.03032	0.03044	0.03055	0.03066	0.03076	0.03086
86	0.06063	0.06087	0.06110	0.06131	0.06151	0.06171
84	0.09093	0.09129	0.09162	0.09194	0.09225	0.09254
82	0.12121	0.12168	0.12213	0.12255	0.12296	0.12335
80	0.15145	0.15204	0.15260	0.15313	0.15364	0.15412
78	0.18165	0.18236	0.18303	0.18367	0.18428	0.18486
76	0.21180	0.21263	0.21341	0.21416	0.21487	0.21554
74	0.24190	0.24284	0.24374	0.24459	0.24540	0.24617
72	0.27193	0.27299	0.27400	0.27495	0.27586	0.27673
70	0.30189	0.30307	0.30419	0.30525	0.30626	0.30722
68	0.33178	0.33307	0.33429	0.33546	0.33657	0.33762
66	0.36157	0.36298	0.36431	0.36558	0.36679	0.36794
64	0.39127	0.39279	0.39423	0.39561	0.39691	0.39816
62	0.42086	0.42250	0.42405	0.42552	0.42693	0.42826
60	0.45034	0.45209	0.45375	0.45533	0.45683	0.45826
58	0.47970	0.48157	0.48333	0.48501	0.48661	0.48813
56	0.50894	0.51091	0.51279	0.51457	0.51626	0.51787
54	0.53804	0.54012	0.54210	0.54398	0.54577	0.54747
52	0.56699	0.56919	0.57127	0.57325	0.57513	0.57693
50	0.59580	0.59810	0.60029	0.60236	0.60434	0.60622
48	0.62444	0.62685	0.62914	0.63132	0.63339	0.63536
46	0.65292	0.65544	0.65783	0.66010	0.66226	0.66432
44	0.68122	0.68385	0.68634	0.68870	0.69096	0.69310
42	0.70934	0.71207	0.71466	0.71712	0.71946	0.72169
40	0.73726	0.74010	0.74279	0.74535	0.74778	0.75009
38	0.76499	0.76793	0.77072	0.77337	0.77589	0.77829
36	0.79251	0.79555	0.79844	0.80118	0.80379	0.80627
34	0.81982	0.82296	0.82594	0.82878	0.83147	0.83403
32	0.84690	0.85015	0.85322	0.85614	0.85892	0.86156
30	0.87376	0.87710	0.88027	0.88328	0.88614	0.88886
28	0.90037	0.90381	0.90707	0.91017	0.91311	0.91591
26	0.92674	0.93028	0.93363	0.93681	0.93984	0.94272
24	0.95286	0.95649	0.95993	0.96320	0.96630	0.96926
22	0.97871	0.98243	0.98596	0.98931	0.99250	0.99553
20	1.00429	1.00811	1.01173	1.01516	1.01842	1.02153
18	1.02960	1.03351	1.03721	1.04072	1.04406	1.04724
16	1.05462	1.05862	1.06241	1.06600	1.06942	1.07266
14	1.07935	1.08344	1.08731	1.09098	1.09447	1.09779
12	1.10378	1.10795	1.11190	1.11565	1.11922	1.12260
10	1.12790	1.13216	1.13619	1.14002	1.14365	1.14710
8	1.15170	1.15605	1.16016	1.16406	1.16776	1.17128
6	1.17519	1.17961	1.18380	1.18777	1.19154	1.19513
4	1.19833	1.20284	1.20710	1.21115	1.21499	1.21864
2	1.22115	1.22573	1.23007	1.23418	1.23809	1.24181
0	1.24361	1.24827	1.25268	1.25687	1.26084	1.26462

Table 1

ρ_0 α	3.10	3.20	3.30	3.40	3.50	3.60
-2	1.26572	1.27046	1.27494	1.27919	1.28323	1.28707
-4	1.28746	1.29228	1.29683	1.30115	1.30525	1.30917
-6	1.30884	1.31373	1.31835	1.32274	1.32690	1.33089
-8	1.32984	1.33480	1.33949	1.34394	1.34816	1.35217
-10	1.35046	1.35549	1.36025	1.36476	1.36904	1.37310
-12	1.37068	1.37578	1.38060	1.38517	1.38951	1.39363
-14	1.39050	1.39567	1.40056	1.40519	1.40958	1.41375
-16	1.40991	1.41515	1.42010	1.42479	1.42924	1.43346
-18	1.42891	1.43421	1.43923	1.44397	1.44848	1.45275
-20	1.44749	1.45285	1.45793	1.46273	1.46728	1.47161
-22	1.46563	1.47106	1.47619	1.48105	1.48566	1.49003
-24	1.48334	1.48883	1.49402	1.49893	1.50359	1.50801
-26	1.50059	1.50615	1.51140	1.51636	1.52107	1.52553
-28	1.51740	1.52301	1.52832	1.53334	1.53809	1.54260
-30	1.53374	1.53942	1.54478	1.54985	1.55465	1.55920
-32	1.54962	1.55535	1.56076	1.56588	1.57073	1.57533
-34	1.56502	1.57081	1.57627	1.58144	1.58634	1.59098
-36	1.57993	1.58578	1.59130	1.59651	1.60145	1.60614
-38	1.59435	1.60026	1.60583	1.61109	1.61608	1.62080
-40	1.60828	1.61423	1.61986	1.62517	1.63020	1.63496
-42	1.62169	1.62770	1.63338	1.63874	1.64381	1.64862
-44	1.63459	1.64066	1.64638	1.65179	1.65690	1.66175
-46	1.64697	1.65309	1.65887	1.66432	1.66948	1.67436
-48	1.65881	1.66499	1.67082	1.67632	1.68152	1.68644
-50	1.67012	1.67635	1.68223	1.68777	1.69302	1.69798
-52	1.68088	1.68717	1.69310	1.69869	1.70397	1.70897
-54	1.69109	1.69743	1.70341	1.70905	1.71437	1.71942
-56	1.70073	1.70714	1.71316	1.71885	1.72422	1.72930
-58	1.70981	1.71627	1.72235	1.72808	1.73349	1.73861
-60	1.71830	1.72482	1.73095	1.73673	1.74219	1.74735
-62	1.72621	1.73279	1.73897	1.74480	1.75030	1.75550
-64	1.73353	1.74017	1.74641	1.75228	1.75783	1.76307
-66	1.74024	1.74694	1.75324	1.75916	1.76476	1.77004
-68	1.74635	1.75311	1.75946	1.76544	1.77108	1.77641
-70	1.75183	1.75865	1.76507	1.77110	1.77679	1.78216
-72	1.75668	1.76358	1.77005	1.77614	1.78188	1.78730
-74	1.76090	1.76787	1.77440	1.78055	1.78634	1.79181
-76	1.76447	1.77151	1.77812	1.78433	1.79017	1.79569
-78	1.76739	1.77451	1.78118	1.78745	1.79336	1.79893
-80	1.76964	1.77684	1.78359	1.78993	1.79589	1.80151
-82	1.77123	1.77851	1.78533	1.79174	1.79777	1.80345
-84	1.77213	1.77950	1.78640	1.79288	1.79898	1.80472
-86			1.78679	1.79335	1.79951	1.80531
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	3.70	3.80	3.90	4.00	4.10	4.20
88	0.03095	0.03104	0.03112	0.03120	0.03128	0.03136
86	0.06189	0.06207	0.06224	0.06240	0.06255	0.06270
84	0.09282	0.09308	0.09333	0.09358	0.09381	0.09403
82	0.12372	0.12407	0.12441	0.12473	0.12504	0.12534
80	0.15458	0.15503	0.15545	0.15585	0.15624	0.15661
78	0.18541	0.18594	0.18644	0.18693	0.18739	0.18783
76	0.21619	0.21680	0.21739	0.21795	0.21849	0.21901
74	0.24691	0.24761	0.24828	0.24892	0.24954	0.25013
72	0.27756	0.27835	0.27910	0.27983	0.28052	0.28118
70	0.30814	0.30901	0.30985	0.31065	0.31142	0.31216
68	0.33863	0.33959	0.34051	0.34139	0.34224	0.34305
66	0.36904	0.37008	0.37109	0.37204	0.37296	0.37384
64	0.39934	0.40048	0.40156	0.40259	0.40359	0.40454
62	0.42954	0.43076	0.43192	0.43304	0.43410	0.43513
60	0.45962	0.46092	0.46217	0.46336	0.46450	0.46559
58	0.48958	0.49097	0.49229	0.49356	0.49477	0.49594
56	0.51941	0.52088	0.52228	0.52362	0.52491	0.52614
54	0.54910	0.55065	0.55213	0.55355	0.55491	0.55621
52	0.57864	0.58027	0.58183	0.58332	0.58475	0.58612
50	0.60802	0.60973	0.61137	0.61294	0.61444	0.61587
48	0.63724	0.63903	0.64074	0.64238	0.64395	0.64546
46	0.66628	0.66815	0.66994	0.67166	0.67330	0.67487
44	0.69515	0.69710	0.69896	0.70075	0.70245	0.70409
42	0.72382	0.72585	0.72779	0.72964	0.73142	0.73312
40	0.75230	0.75441	0.75642	0.75834	0.76019	0.76195
38	0.78057	0.78276	0.78484	0.78683	0.78874	0.79057
36	0.80863	0.81089	0.81305	0.81511	0.81708	0.81898
34	0.83647	0.83880	0.84103	0.84316	0.84520	0.84715
32	0.86408	0.86649	0.86878	0.87098	0.87308	0.87510
30	0.89146	0.89393	0.89630	0.89856	0.90073	0.90280
28	0.91858	0.92113	0.92357	0.92589	0.92812	0.93025
26	0.94546	0.94808	0.95058	0.95297	0.95525	0.95745
24	0.97207	0.97476	0.97733	0.97978	0.98213	0.98437
22	0.99842	1.00117	1.00380	1.00632	1.00872	1.01103
20	1.02449	1.02731	1.03000	1.03258	1.03504	1.03740
18	1.05027	1.05316	1.05591	1.05855	1.06107	1.06348
16	1.07576	1.07871	1.08153	1.08422	1.08680	1.08927
14	1.10095	1.10396	1.10684	1.10959	1.11222	1.11474
12	1.12583	1.12891	1.13184	1.13465	1.13734	1.13991
10	1.15040	1.15353	1.15653	1.15939	1.16213	1.16475
8	1.17464	1.17784	1.18089	1.18380	1.18659	1.18926
6	1.19855	1.20180	1.20491	1.20788	1.21072	1.21344
4	1.22212	1.22543	1.22860	1.23162	1.23450	1.23727
2	1.24534	1.24871	1.25193	1.25500	1.25794	1.26075
0	1.26821	1.27164	1.27490	1.27803	1.28101	1.28387

Table 1

$\rho_0 \backslash \alpha$	3.70	3.80	3.90	4.00	4.10	4.20
-2	1.29072	1.29420	1.29752	1.30069	1.30372	1.30662
-4	1.31285	1.31639	1.31976	1.32297	1.32605	1.32899
-6	1.33461	1.33820	1.34161	1.34488	1.34800	1.35098
-8	1.35599	1.35962	1.36309	1.36640	1.36956	1.37258
-10	1.37697	1.38065	1.38416	1.38752	1.39072	1.39378
-12	1.39755	1.40128	1.40484	1.40823	1.41148	1.41458
-14	1.41772	1.42150	1.42510	1.42854	1.43182	1.43496
-16	1.43748	1.44130	1.44495	1.44843	1.45175	1.45493
-18	1.45681	1.46068	1.46437	1.46789	1.47125	1.47446
-20	1.47572	1.47963	1.48336	1.48692	1.49031	1.49356
-22	1.49419	1.49814	1.50191	1.50550	1.50894	1.51222
-24	1.51221	1.51620	1.52001	1.52364	1.52711	1.53043
-26	1.52978	1.53381	1.53766	1.54133	1.54483	1.54818
-28	1.54689	1.55096	1.55485	1.55855	1.56209	1.56546
-30	1.56353	1.56765	1.57157	1.57530	1.57887	1.58228
-32	1.57970	1.58385	1.58781	1.59158	1.59518	1.59862
-34	1.59539	1.59958	1.60357	1.60737	1.61100	1.61447
-36	1.61059	1.61481	1.61884	1.62267	1.62633	1.62983
-38	1.62529	1.62955	1.63361	1.63748	1.64117	1.64469
-40	1.63949	1.64379	1.64788	1.65178	1.65549	1.65904
-42	1.65318	1.65751	1.66163	1.66556	1.66931	1.67288
-44	1.66635	1.67072	1.67487	1.67883	1.68260	1.68620
-46	1.67900	1.68340	1.68758	1.69157	1.69537	1.69900
-48	1.69111	1.69555	1.69976	1.70378	1.70761	1.71126
-50	1.70269	1.70716	1.71140	1.71545	1.71930	1.72298
-52	1.71372	1.71822	1.72250	1.72657	1.73045	1.73415
-54	1.72419	1.72873	1.73304	1.73714	1.74105	1.74477
-56	1.73411	1.73868	1.74302	1.74715	1.75108	1.75483
-58	1.74346	1.74806	1.75243	1.75659	1.76055	1.76432
-60	1.75224	1.75687	1.76127	1.76546	1.76944	1.77324
-62	1.76043	1.76510	1.76953	1.77375	1.77776	1.78158
-64	1.76803	1.77274	1.77720	1.78145	1.78549	1.78934
-66	1.77504	1.77978	1.78428	1.78855	1.79262	1.79650
-68	1.78145	1.78622	1.79076	1.79506	1.79916	1.80306
-70	1.78724	1.79206	1.79662	1.80096	1.80509	1.80901
-72	1.79242	1.79728	1.80188	1.80625	1.81040	1.81436
-74	1.79698	1.80187	1.80651	1.81091	1.81510	1.81908
-76	1.80090	1.80583	1.81051	1.81495	1.81917	1.82318
-78	1.80419	1.80916	1.81388	1.81835	1.82260	1.82665
-80	1.80682	1.81185	1.81660	1.82111	1.82540	1.82948
-82	1.80881	1.81388	1.81868	1.82323	1.82755	1.83166
-84	1.81013	1.81525	1.82010	1.82469	1.82905	1.83320
-86	1.81079	1.81596	1.82085	1.82549	1.82989	1.83408
-88						
-90						

$\zeta_0(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	4.30	4.40	4.50	4.60	4.70	4.80
88	0.03143	0.03149	0.03156	0.03162	0.03168	0.03174
86	0.06284	0.06298	0.06311	0.06324	0.06336	0.06348
84	0.09424	0.09445	0.09465	0.09484	0.09502	0.09519
82	0.12562	0.12589	0.12616	0.12641	0.12665	0.12689
80	0.15696	0.15730	0.15763	0.15795	0.15825	0.15854
78	0.18826	0.18867	0.18906	0.18944	0.18981	0.19016
76	0.21951	0.21998	0.22044	0.22088	0.22131	0.22172
74	0.25070	0.25124	0.25176	0.25227	0.25275	0.25322
72	0.28182	0.28243	0.28302	0.28358	0.28413	0.28465
70	0.31286	0.31354	0.31419	0.31482	0.31542	0.31600
68	0.34382	0.34457	0.34528	0.34597	0.34663	0.34727
66	0.37469	0.37550	0.37628	0.37703	0.37775	0.37845
64	0.40545	0.40633	0.40717	0.40798	0.40876	0.40951
62	0.43611	0.43705	0.43795	0.43883	0.43966	0.44047
60	0.46664	0.46765	0.46862	0.46955	0.47045	0.47131
58	0.49705	0.49812	0.49915	0.50014	0.50110	0.50202
56	0.52733	0.52846	0.52955	0.53060	0.53161	0.53259
54	0.55746	0.55866	0.55981	0.56092	0.56198	0.56301
52	0.58743	0.58870	0.58991	0.59108	0.59220	0.59328
50	0.61725	0.61858	0.61985	0.62107	0.62225	0.62339
48	0.64690	0.64829	0.64962	0.65090	0.65213	0.65332
46	0.67637	0.67782	0.67921	0.68055	0.68184	0.68307
44	0.70566	0.70717	0.70862	0.71001	0.71135	0.71264
42	0.73475	0.73632	0.73783	0.73927	0.74067	0.74201
40	0.76365	0.76527	0.76683	0.76834	0.76978	0.77117
38	0.79233	0.79401	0.79563	0.79718	0.79868	0.80012
36	0.82079	0.82253	0.82420	0.82581	0.82736	0.82885
34	0.84903	0.85083	0.85255	0.85421	0.85581	0.85735
32	0.87703	0.87888	0.88066	0.88238	0.88402	0.88561
30	0.90479	0.90670	0.90853	0.91029	0.91199	0.91362
28	0.93230	0.93426	0.93615	0.93796	0.93970	0.94138
26	0.95955	0.96156	0.96350	0.96536	0.96715	0.96888
24	0.98653	0.98860	0.99059	0.99249	0.99433	0.99610
22	1.01324	1.01536	1.01739	1.01935	1.02123	1.02304
20	1.03966	1.04183	1.04392	1.04592	1.04785	1.04970
18	1.06580	1.06802	1.07015	1.07220	1.07417	1.07606
16	1.09163	1.09390	1.09608	1.09817	1.10018	1.10212
14	1.11716	1.11947	1.12170	1.12384	1.12589	1.12787
12	1.14237	1.14473	1.14700	1.14918	1.15128	1.15330
10	1.16726	1.16967	1.17198	1.17421	1.17634	1.17840
8	1.19182	1.19428	1.19663	1.19889	1.20107	1.20316
6	1.21604	1.21854	1.22094	1.22324	1.22546	1.22759
4	1.23992	1.24246	1.24490	1.24724	1.24949	1.25166
2	1.26344	1.26602	1.26850	1.27088	1.27317	1.27537
0	1.28660	1.28923	1.29174	1.29416	1.29649	1.29872

Table 1

$\rho_0 \backslash \alpha$	4.30	4.40	4.50	4.60	4.70	4.80
-2	1.30939	1.31206	1.31461	1.31707	1.31943	1.32169
-4	1.33181	1.33451	1.33710	1.33959	1.34199	1.34429
-6	1.35384	1.35658	1.35921	1.36173	1.36416	1.36649
-8	1.37548	1.37826	1.38092	1.38348	1.38594	1.38830
-10	1.39672	1.39953	1.40223	1.40482	1.40731	1.40970
-12	1.41755	1.42040	1.42313	1.42575	1.42827	1.43069
-14	1.43797	1.44085	1.44362	1.44627	1.44882	1.45127
-16	1.45797	1.46088	1.46368	1.46636	1.46894	1.47142
-18	1.47754	1.48049	1.48331	1.48602	1.48863	1.49113
-20	1.49667	1.49965	1.50250	1.50524	1.50788	1.51041
-22	1.51536	1.51837	1.52125	1.52402	1.52668	1.52923
-24	1.53360	1.53664	1.53955	1.54234	1.54503	1.54760
-26	1.55138	1.55445	1.55739	1.56021	1.56291	1.56551
-28	1.56870	1.57179	1.57476	1.57760	1.58033	1.58296
-30	1.58554	1.58866	1.59165	1.59452	1.59728	1.59992
-32	1.60190	1.60505	1.60807	1.61096	1.61374	1.61640
-34	1.61778	1.62096	1.62400	1.62691	1.62971	1.63240
-36	1.63317	1.63637	1.63943	1.64237	1.64519	1.64790
-38	1.64806	1.65128	1.65436	1.65732	1.66016	1.66289
-40	1.66243	1.66568	1.66879	1.67177	1.67463	1.67737
-42	1.67630	1.67957	1.68270	1.68570	1.68858	1.69134
-44	1.68965	1.69294	1.69609	1.69911	1.70201	1.70479
-46	1.70246	1.70578	1.70895	1.71199	1.71491	1.71771
-48	1.71475	1.71808	1.72128	1.72434	1.72727	1.73009
-50	1.72649	1.72985	1.73306	1.73614	1.73909	1.74193
-52	1.73769	1.74107	1.74430	1.74740	1.75037	1.75322
-54	1.74833	1.75173	1.75498	1.75810	1.76109	1.76395
-56	1.75841	1.76183	1.76511	1.76824	1.77125	1.77413
-58	1.76793	1.77137	1.77466	1.77782	1.78084	1.78373
-60	1.77687	1.78033	1.78365	1.78682	1.78986	1.79277
-62	1.78523	1.78872	1.79205	1.79524	1.79830	1.80122
-64	1.79301	1.79652	1.79987	1.80308	1.80615	1.80910
-66	1.80019	1.80372	1.80709	1.81032	1.81341	1.81637
-68	1.80678	1.81033	1.81372	1.81697	1.82008	1.82306
-70	1.81276	1.81633	1.81975	1.82301	1.82614	1.82914
-72	1.81813	1.82172	1.82516	1.82845	1.83159	1.83461
-74	1.82288	1.82650	1.82996	1.83327	1.83643	1.83946
-76	1.82700	1.83065	1.83413	1.83746	1.84065	1.84370
-78	1.83050	1.83417	1.83768	1.84103	1.84424	1.84731
-80	1.83336	1.83706	1.84059	1.84397	1.84720	1.85029
-82	1.83558	1.83931	1.84287	1.84627	1.84952	1.85263
-84	1.83715	1.84091	1.84449	1.84792	1.85120	1.85433
-86	1.83806	1.84185	1.84547	1.84892	1.85222	1.85538
-88				1.84927	1.85260	1.85578
-90						

$\zeta_0(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	4.90	5.00	5.10	5.20	5.30	5.40
88	0.03180	0.03185	0.03191	0.03196	0.03201	0.03205
86	0.06359	0.06370	0.06380	0.06391	0.06400	0.06410
84	0.09536	0.09553	0.09569	0.09584	0.09599	0.09613
82	0.12711	0.12733	0.12754	0.12774	0.12794	0.12813
80	0.15882	0.15910	0.15936	0.15961	0.15986	0.16010
78	0.19049	0.19082	0.19114	0.19144	0.19173	0.19202
76	0.22211	0.22249	0.22286	0.22321	0.22356	0.22389
74	0.25367	0.25410	0.25452	0.25493	0.25532	0.25570
72	0.28516	0.28564	0.28611	0.28657	0.28701	0.28743
70	0.31657	0.31711	0.31763	0.31813	0.31862	0.31909
68	0.34789	0.34848	0.34906	0.34961	0.35014	0.35066
66	0.37912	0.37976	0.38039	0.38099	0.38157	0.38214
64	0.41024	0.41094	0.41161	0.41226	0.41289	0.41350
62	0.44125	0.44200	0.44273	0.44343	0.44410	0.44476
60	0.47214	0.47294	0.47372	0.47447	0.47519	0.47589
58	0.50290	0.50376	0.50458	0.50538	0.50615	0.50689
56	0.53352	0.53443	0.53530	0.53615	0.53696	0.53775
54	0.56400	0.56496	0.56588	0.56677	0.56763	0.56846
52	0.59432	0.59533	0.59630	0.59723	0.59814	0.59901
50	0.62448	0.62553	0.62655	0.62753	0.62848	0.62940
48	0.65446	0.65557	0.65663	0.65766	0.65865	0.65962
46	0.68427	0.68542	0.68653	0.68761	0.68864	0.68964
44	0.71388	0.71508	0.71624	0.71736	0.71844	0.71948
42	0.74330	0.74455	0.74575	0.74691	0.74804	0.74912
40	0.77251	0.77381	0.77506	0.77626	0.77742	0.77855
38	0.80151	0.80285	0.80414	0.80539	0.80660	0.80776
36	0.83029	0.83167	0.83301	0.83430	0.83554	0.83675
34	0.85883	0.86026	0.86164	0.86297	0.86426	0.86550
32	0.88714	0.88861	0.89003	0.89140	0.89273	0.89401
30	0.91520	0.91671	0.91818	0.91959	0.92095	0.92227
28	0.94300	0.94456	0.94606	0.94751	0.94892	0.95027
26	0.97054	0.97214	0.97368	0.97517	0.97661	0.97800
24	0.99780	0.99945	1.00103	1.00256	1.00404	1.00546
22	1.02479	1.02647	1.02810	1.02966	1.03117	1.03264
20	1.05149	1.05321	1.05487	1.05647	1.05802	1.05952
18	1.07789	1.07965	1.08135	1.08299	1.08457	1.08610
16	1.10399	1.10579	1.10752	1.10920	1.11081	1.11238
14	1.12978	1.13161	1.13338	1.13509	1.13674	1.13833
12	1.15524	1.15711	1.15892	1.16066	1.16234	1.16397
10	1.18038	1.18229	1.18413	1.18590	1.18762	1.18927
8	1.20518	1.20712	1.20900	1.21080	1.21255	1.21423
6	1.22964	1.23162	1.23352	1.23536	1.23714	1.23885
4	1.25375	1.25575	1.25769	1.25956	1.26137	1.26311
2	1.27749	1.27953	1.28150	1.28340	1.28524	1.28701
0	1.30087	1.30295	1.30495	1.30687	1.30873	1.31053

Table 1

$\rho_0 \backslash \alpha$	4.90	5.00	5.10	5.20	5.30	5.40
-2	1.32388	1.32598	1.32801	1.32997	1.33186	1.33368
-4	1.34650	1.34864	1.35069	1.35268	1.35459	1.35644
-6	1.36874	1.37090	1.37298	1.37499	1.37693	1.37881
-8	1.39057	1.39276	1.39488	1.39691	1.39888	1.40077
-10	1.41201	1.41422	1.41636	1.41842	1.42041	1.42233
-12	1.43303	1.43527	1.43743	1.43952	1.44153	1.44347
-14	1.45363	1.45590	1.45808	1.46019	1.46223	1.46419
-16	1.47380	1.47609	1.47831	1.48044	1.48249	1.48448
-18	1.49354	1.49586	1.49809	1.50025	1.50232	1.50433
-20	1.51284	1.51518	1.51744	1.51961	1.52171	1.52374
-22	1.53169	1.53405	1.53633	1.53853	1.54064	1.54269
-24	1.55008	1.55247	1.55477	1.55698	1.55912	1.56118
-26	1.56802	1.57042	1.57274	1.57498	1.57713	1.57921
-28	1.58548	1.58791	1.59024	1.59250	1.59467	1.59677
-30	1.60246	1.60491	1.60727	1.60954	1.61173	1.61384
-32	1.61897	1.62143	1.62381	1.62610	1.62831	1.63043
-34	1.63498	1.63747	1.63986	1.64216	1.64439	1.64653
-36	1.65050	1.65300	1.65541	1.65773	1.65997	1.66213
-38	1.66551	1.66803	1.67046	1.67279	1.67505	1.67722
-40	1.68001	1.68255	1.68499	1.68734	1.68961	1.69180
-42	1.69400	1.69655	1.69901	1.70138	1.70366	1.70586
-44	1.70746	1.71003	1.71250	1.71488	1.71718	1.71939
-46	1.72039	1.72298	1.72547	1.72786	1.73017	1.73239
-48	1.73279	1.73539	1.73789	1.74030	1.74262	1.74486
-50	1.74465	1.74726	1.74978	1.75220	1.75453	1.75678
-52	1.75595	1.75858	1.76111	1.76355	1.76589	1.76815
-54	1.76670	1.76935	1.77189	1.77434	1.77669	1.77897
-56	1.77689	1.77955	1.78211	1.78457	1.78694	1.78922
-58	1.78652	1.78919	1.79176	1.79423	1.79661	1.79890
-60	1.79557	1.79825	1.80083	1.80332	1.80571	1.80801
-62	1.80404	1.80674	1.80933	1.81183	1.81423	1.81655
-64	1.81192	1.81464	1.81724	1.81975	1.82217	1.82450
-66	1.81922	1.82194	1.82457	1.82709	1.82952	1.83185
-68	1.82591	1.82866	1.83129	1.83383	1.83627	1.83862
-70	1.83201	1.83477	1.83742	1.83996	1.84242	1.84478
-72	1.83750	1.84027	1.84293	1.84549	1.84796	1.85033
-74	1.84237	1.84516	1.84784	1.85041	1.85289	1.85527
-76	1.84662	1.84943	1.85212	1.85471	1.85720	1.85960
-78	1.85025	1.85308	1.85579	1.85839	1.86089	1.86330
-80	1.85325	1.85609	1.85882	1.86144	1.86396	1.86638
-82	1.85561	1.85847	1.86122	1.86385	1.86639	1.86883
-84	1.85733	1.86021	1.86298	1.86563	1.86818	1.87063
-86	1.85841	1.86131	1.86409	1.86676	1.86933	1.87180
-88	1.85883	1.86175	1.86456	1.86725	1.86984	1.87232
-90						

T A B L E 2

Maximum interface height $\zeta_{\max}$, corresponding angle $\alpha_{\min}$ and the radius-height-ratio $\Omega_{\min}$ as a function of the radius ρ_0

$$\zeta_{\max}(\rho_0)$$

$$\alpha_{\min}(\rho_0)$$

$$\Omega_{\min}(\rho_0)$$

Table 2

ρ_0	$\alpha_{\min}$	$\zeta_{\max}$	$\Omega_{\min}$
0.01	-12.4470	0.05524	0.1810
0.02	-14.4952	0.09699	0.2062
0.03	-16.0054	0.13373	0.2243
0.04	-17.2656	0.16726	0.2391
0.05	-18.3656	0.19842	0.2520
0.06	-19.3907	0.22771	0.2635
0.07	-20.3168	0.25545	0.2740
0.08	-21.2033	0.28189	0.2838
0.09	-22.0337	0.30718	0.2930
0.10	-22.8086	0.33147	0.3017
0.11	-23.5659	0.35486	0.3100
0.12	-24.2836	0.37744	0.3179
0.13	-24.9923	0.39928	0.3256
0.14	-25.6760	0.42044	0.3330
0.15	-26.3399	0.44097	0.3402
0.16	-26.9749	0.46093	0.3471
0.17	-27.6087	0.48034	0.3539
0.18	-28.2233	0.49924	0.3605
0.19	-28.8278	0.51767	0.3670
0.20	-29.4022	0.53564	0.3734
0.22	-30.5710	0.57034	0.3857
0.24	-31.6806	0.60350	0.3977
0.26	-32.7616	0.63527	0.4093
0.28	-33.8237	0.66576	0.4206
0.30	-34.8557	0.69508	0.4316
0.32	-35.8411	0.72331	0.4424
0.34	-36.8330	0.75052	0.4530
0.36	-37.7905	0.77679	0.4634
0.38	-38.7310	0.80218	0.4737
0.40	-39.6456	0.82673	0.4838
0.42	-40.5670	0.85049	0.4938
0.44	-41.4579	0.87351	0.5037
0.46	-42.3200	0.89583	0.5135
0.48	-43.1905	0.91747	0.5232
0.50	-44.0454	0.93848	0.5328
0.52	-44.8698	0.95887	0.5423
0.54	-45.6964	0.97868	0.5518
0.56	-46.5047	0.99794	0.5612
0.58	-47.3106	1.01666	0.5705
0.60	-48.1020	1.03487	0.5798

Table 2

ρ_0	$\alpha_{\min}$	$\zeta_{\max}$	$\Omega_{\min}$
0.62	-48.8663	1.05259	0.5890
0.64	-49.6255	1.06983	0.5982
0.66	-50.3874	1.08662	0.6074
0.68	-51.1251	1.10296	0.6165
0.70	-51.8559	1.11889	0.6256
0.72	-52.5854	1.13440	0.6347
0.74	-53.2847	1.14952	0.6438
0.76	-53.9898	1.16426	0.6528
0.78	-54.6729	1.17862	0.6618
0.80	-55.3524	1.19263	0.6708
0.82	-56.0106	1.20629	0.6798
0.84	-56.6743	1.21961	0.6887
0.86	-57.3222	1.23261	0.6977
0.88	-57.9602	1.24529	0.7067
0.90	-58.5867	1.25766	0.7156
0.92	-59.2004	1.26974	0.7246
0.94	-59.8151	1.28152	0.7335
0.96	-60.4020	1.29303	0.7424
0.98	-60.9968	1.30426	0.7514
1.00	-61.5655	1.31522	0.7603
1.02	-62.1368	1.32593	0.7693
1.04	-62.6913	1.33639	0.7782
1.06	-63.2367	1.34660	0.7872
1.08	-63.7802	1.35657	0.7961
1.10	-64.3072	1.36631	0.8051
1.12	-64.8318	1.37583	0.8141
1.14	-65.3370	1.38512	0.8230
1.16	-65.8393	1.39421	0.8320
1.18	-66.3245	1.40308	0.8410
1.20	-66.8181	1.41176	0.8500
1.22	-67.2847	1.42023	0.8590
1.24	-67.7427	1.42852	0.8680
1.26	-68.2014	1.43661	0.8771
1.28	-68.6509	1.44453	0.8861
1.30	-69.0790	1.45227	0.8952
1.32	-69.5070	1.45983	0.9042
1.34	-69.9288	1.46723	0.9133
1.36	-70.3361	1.47446	0.9224
1.38	-70.7346	1.48154	0.9315
1.40	-71.1320	1.48846	0.9406

Table 2

ρ_0	$\alpha_{\min}$	$\zeta_{\max}$	$\Omega_{\min}$
1.42	-71.5070	1.49522	0.9497
1.44	-71.8852	1.50184	0.9588
1.46	-72.2605	1.50832	0.9680
1.48	-72.6124	1.51465	0.9771
1.50	-72.9738	1.52085	0.9863
1.52	-73.3153	1.52692	0.9955
1.54	-73.6435	1.53286	1.0047
1.56	-73.9730	1.53867	1.0139
1.58	-74.2995	1.54436	1.0231
1.60	-74.6166	1.54993	1.0323
1.62	-74.9182	1.55538	1.0415
1.64	-75.2230	1.56072	1.0508
1.66	-75.5070	1.56595	1.0601
1.68	-75.8014	1.57107	1.0693
1.70	-76.0803	1.57609	1.0786
1.72	-76.3482	1.58100	1.0879
1.74	-76.6179	1.58581	1.0972
1.76	-76.8797	1.59053	1.1066
1.78	-77.1320	1.59515	1.1159
1.80	-77.3753	1.59968	1.1252
1.82	-77.6116	1.60412	1.1346
1.84	-77.8550	1.60848	1.1439
1.86	-78.0931	1.61274	1.1533
1.88	-78.3131	1.61693	1.1627
1.90	-78.5367	1.62103	1.1721
1.92	-78.7445	1.62505	1.1815
1.94	-78.9595	1.62900	1.1909
1.96	-79.1645	1.63287	1.2003
1.98	-79.3645	1.63667	1.2098
2.00	-79.5599	1.64039	1.2192
2.10	-80.4635	1.65802	1.2666
2.20	-81.2704	1.67410	1.3141
2.30	-81.9993	1.68881	1.3619
2.40	-82.6392	1.70232	1.4098
2.50	-83.2100	1.71475	1.4579
2.60	-83.7128	1.72623	1.5062
2.70	-84.1746	1.73685	1.5545
2.80	-84.5878	1.74669	1.6030
2.90	-84.9564	1.75585	1.6516
3.00	-85.3026	1.76438	1.7003

Table 2

ρ_0	$\alpha_{\min}$	$\zeta_{\max}$	$\Omega_{\min}$
3.10	-85.6067	1.77235	1.7491
3.20	-85.8895	1.77980	1.7979
3.30	-86.1373	1.78679	1.8469
3.40	-86.3654	1.79336	1.8959
3.50	-86.5833	1.79954	1.9449
3.60	-86.7779	1.80536	1.9941
3.70	-86.9554	1.81086	2.0432
3.80	-87.1211	1.81606	2.0924
3.90	-87.2633	1.82099	2.1417
4.00	-87.4095	1.82566	2.1910
4.10	-87.5396	1.83009	2.2403
4.20	-87.6601	1.83430	2.2897
4.30	-87.7695	1.83832	2.3391
4.40	-87.8678	1.84214	2.3885
4.50	-87.9716	1.84579	2.4380
4.60	-88.0505	1.84927	2.4875
4.70	-88.1464	1.85260	2.5370
4.80	-88.2299	1.85579	2.5865
4.90	-88.2980	1.85884	2.6361
5.00	-88.3669	1.86176	2.6856
5.10	-88.4248	1.86457	2.7352
5.20	-88.4903	1.86727	2.7848
5.30	-88.5534	1.86986	2.8344
5.40	-88.6161	1.87235	2.8841

T A B L E 3

Radius-height-ratios Ω as function of
the angle α and radius ρ_0

$$\Omega(\alpha, \rho_0)$$

α	$\rho_0 = 0.0$	$\rho_0 = 0.1$	$\rho_0 = 0.2$	$\rho_0 = 0.3$	$\rho_0 = 0.4$	$\rho_0 = 0.5$
0.0	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
0.1	0.0001	0.0002	0.0003	0.0004	0.0005	0.0006
0.2	0.0004	0.0008	0.0012	0.0016	0.0020	0.0024
0.3	0.0009	0.0018	0.0027	0.0036	0.0045	0.0054
0.4	0.0016	0.0032	0.0048	0.0064	0.0080	0.0096
0.5	0.0025	0.0050	0.0075	0.0100	0.0125	0.0150
0.6	0.0036	0.0072	0.0108	0.0144	0.0180	0.0216
0.7	0.0049	0.0098	0.0147	0.0196	0.0245	0.0294
0.8	0.0064	0.0128	0.0192	0.0256	0.0320	0.0384
0.9	0.0081	0.0162	0.0243	0.0324	0.0405	0.0486
1.0	0.0100	0.0200	0.0300	0.0400	0.0500	0.0600
1.1	0.0121	0.0242	0.0363	0.0484	0.0605	0.0726
1.2	0.0144	0.0288	0.0432	0.0576	0.0720	0.0864
1.3	0.0169	0.0338	0.0507	0.0672	0.0840	0.1008
1.4	0.0196	0.0392	0.0588	0.0784	0.0980	0.1184
1.5	0.0225	0.0450	0.0675	0.0900	0.1125	0.1350
1.6	0.0256	0.0512	0.0768	0.1024	0.1280	0.1536
1.7	0.0289	0.0578	0.0867	0.1152	0.1440	0.1728
1.8	0.0324	0.0648	0.0972	0.1296	0.1600	0.1920
1.9	0.0361	0.0722	0.1083	0.1456	0.1760	0.2124
2.0	0.0400	0.0800	0.1200	0.1632	0.1920	0.2336
2.1	0.0441	0.0882	0.1323	0.1824	0.2080	0.2556
2.2	0.0484	0.0968	0.1452	0.2032	0.2240	0.2784
2.3	0.0529	0.1058	0.1587	0.2256	0.2400	0.3024
2.4	0.0576	0.1152	0.1728	0.2496	0.2560	0.3276
2.5	0.0625	0.1250	0.1875	0.2752	0.2720	0.3540
2.6	0.0676	0.1352	0.2032	0.3024	0.2880	0.3816
2.7	0.0729	0.1458	0.2197	0.3312	0.3040	0.4104
2.8	0.0784	0.1568	0.2368	0.3616	0.3200	0.4404
2.9	0.0841	0.1682	0.2547	0.3936	0.3360	0.4716
3.0	0.0900	0.1800	0.2736	0.4272	0.3520	0.5040
3.1	0.0961	0.1922	0.2932	0.4624	0.3680	0.5376
3.2	0.1024	0.2048	0.3132	0.5000	0.3840	0.5724
3.3	0.1089	0.2178	0.3337	0.5392	0.4000	0.6084
3.4	0.1156	0.2312	0.3548	0.5800	0.4160	0.6456
3.5	0.1225	0.2450	0.3765	0.6224	0.4320	0.6840
3.6	0.1296	0.2592	0.3988	0.6664	0.4480	0.7236
3.7	0.1369	0.2738	0.4217	0.7120	0.4640	0.7644
3.8	0.1444	0.2888	0.4452	0.7592	0.4800	0.8064
3.9	0.1521	0.3042	0.4692	0.8080	0.4960	0.8496
4.0	0.1600	0.3200	0.4936	0.8584	0.5120	0.8940
4.1	0.1681	0.3362	0.5184	0.9104	0.5280	0.9396
4.2	0.1764	0.3528	0.5436	0.9640	0.5440	0.9964
4.3	0.1849	0.3698	0.5692	1.0192	0.5600	1.0544
4.4	0.1936	0.3872	0.5952	1.0760	0.5760	1.1136
4.5	0.2025	0.4050	0.6216	1.1344	0.5920	1.1744
4.6	0.2116	0.4232	0.6484	1.1944	0.6080	1.2364
4.7	0.2209	0.4418	0.6756	1.2560	0.6240	1.2996
4.8	0.2304	0.4608	0.7032	1.3192	0.6400	1.3644
4.9	0.2401	0.4802	0.7312	1.3840	0.6560	1.4304
5.0	0.2500	0.5000	0.7596	1.4504	0.6720	1.4976
5.1	0.2601	0.5202	0.7884	1.5184	0.6880	1.5664
5.2	0.2704	0.5408	0.8176	1.5880	0.7040	1.6364
5.3	0.2809	0.5618	0.8472	1.6592	0.7200	1.7076
5.4	0.2916	0.5832	0.8772	1.7320	0.7360	1.7804
5.5	0.3025	0.6050	0.9076	1.8064	0.7520	1.8544
5.6	0.3136	0.6272	0.9384	1.8824	0.7680	1.9296
5.7	0.3249	0.6500	0.9696	1.9600	0.7840	2.0064
5.8	0.3364	0.6732	1.0012	2.0392	0.8000	2.0844
5.9	0.3481	0.6968	1.0332	2.1200	0.8160	2.1636
6.0	0.3600	0.7208	1.0656	2.2024	0.8320	2.2444
6.1	0.3721	0.7452	1.0984	2.2864	0.8480	2.3264
6.2	0.3844	0.7700	1.1316	2.3720	0.8640	2.4096
6.3	0.3969	0.7952	1.1652	2.4592	0.8800	2.4944
6.4	0.4096	0.8208	1.1992	2.5480	0.8960	2.5804
6.5	0.4225	0.8468	1.2336	2.6384	0.9120	2.6676
6.6	0.4356	0.8732	1.2684	2.7304	0.9280	2.7564
6.7	0.4489	0.9000	1.3036	2.8240	0.9440	2.8464
6.8	0.4624	0.9272	1.3392	2.9192	0.9600	2.9376
6.9	0.4761	0.9548	1.3752	3.0160	0.9760	3.0304
7.0	0.4900	0.9828	1.4116	3.1144	0.9920	3.1244
7.1	0.5041	1.0112	1.4484	3.2144	1.0080	3.2196
7.2	0.5184	1.0400	1.4856	3.3160	1.0240	3.3164
7.3	0.5329	1.0692	1.5232	3.4192	1.0400	3.4144
7.4	0.5476	1.1000	1.5612	3.5240	1.0560	3.5136
7.5	0.5625	1.1312	1.5996	3.6304	1.0720	3.6144
7.6	0.5776	1.1628	1.6384	3.7384	1.0880	3.7164
7.7	0.5929	1.1948	1.6776	3.8480	1.1040	3.8196
7.8	0.6084	1.2272	1.7172	3.9592	1.1200	3.9244
7.9	0.6241	1.2600	1.7572	4.0720	1.1360	4.0304
8.0	0.6400	1.2932	1.7976	4.1864	1.1520	4.1376
8.1	0.6561	1.3268	1.8384	4.3024	1.1680	4.2456
8.2	0.6724	1.3608	1.8796	4.4192	1.1840	4.3544
8.3	0.6889	1.3952	1.9212	4.5376	1.2000	4.4644
8.4	0.7056	1.4300	1.9632	4.6576	1.2160	4.5756
8.5	0.7225	1.4652	2.0056	4.7792	1.2320	4.6876
8.6	0.7396	1.5008	2.0484	4.9024	1.2480	4.7996
8.7	0.7569	1.5368	2.0916	5.0272	1.2640	4.9124
8.8	0.7744	1.5732	2.1352	5.1536	1.2800	5.0264
8.9	0.7921	1.6100	2.1792	5.2816	1.2960	5.1416
9.0	0.8100	1.6472	2.2236	5.4112	1.3120	5.2576
9.1	0.8281	1.6848	2.2684	5.5424	1.3280	5.3744
9.2	0.8464	1.7228	2.3136	5.6752	1.3440	5.4916
9.3	0.8649	1.7612	2.3592	5.8096	1.3600	5.6096
9.4	0.8836	1.8000	2.4052	5.9456	1.3760	5.7284
9.5	0.9025	1.8392	2.4516	6.0832	1.3920	5.8476
9.6	0.9216	1.8788	2.4984	6.2224	1.4080	5.9676
9.7	0.9409	1.9188	2.5456	6.3632	1.4240	6.0884
9.8	0.9604	1.9592	2.5932	6.5056	1.4400	6.2096
9.9	0.9801	2.0000	2.6412	6.6496	1.4560	6.3316
10.0	1.0000	2.0412	2.6896	6.7952	1.4720	6.4544

$\Omega(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	0.01	0.02	0.03	0.04	0.05	0.06
88	6.0671	7.1058	7.8923	8.5607	9.1585	9.7085
86	3.0348	3.5543	3.9476	4.2818	4.5807	4.8558
84	2.0246	2.3710	2.6333	2.8562	3.0555	3.2389
82	1.5199	1.7799	1.9767	2.1439	2.2934	2.4310
80	1.2175	1.4256	1.5831	1.7169	1.8365	1.9466
78	1.0161	1.1896	1.3210	1.4326	1.5323	1.6241
76	0.8725	1.0214	1.1341	1.2297	1.3153	1.3940
74	0.7651	0.8955	0.9941	1.0779	1.1528	1.2217
72	0.6817	0.7977	0.8855	0.9600	1.0267	1.0879
70	0.6151	0.7197	0.7988	0.8659	0.9259	0.9811
68	0.5609	0.6561	0.7281	0.7891	0.8437	0.8939
66	0.5158	0.6032	0.6693	0.7253	0.7754	0.8215
64	0.4778	0.5586	0.6197	0.6715	0.7178	0.7603
62	0.4454	0.5206	0.5774	0.6255	0.6685	0.7081
60	0.4174	0.4877	0.5408	0.5858	0.6260	0.6630
58	0.3930	0.4591	0.5090	0.5512	0.5890	0.6236
56	0.3717	0.4340	0.4810	0.5208	0.5564	0.5891
54	0.3528	0.4118	0.4563	0.4940	0.5276	0.5585
52	0.3360	0.3921	0.4343	0.4700	0.5020	0.5313
50	0.3210	0.3744	0.4146	0.4487	0.4790	0.5069
48	0.3075	0.3586	0.3969	0.4294	0.4584	0.4850
46	0.2954	0.3443	0.3810	0.4121	0.4397	0.4652
44	0.2844	0.3313	0.3665	0.3963	0.4229	0.4472
42	0.2745	0.3195	0.3534	0.3820	0.4075	0.4309
40	0.2654	0.3088	0.3414	0.3690	0.3935	0.4160
38	0.2571	0.2991	0.3305	0.3570	0.3806	0.4023
36	0.2496	0.2901	0.3205	0.3461	0.3689	0.3898
34	0.2427	0.2819	0.3113	0.3361	0.3581	0.3783
32	0.2363	0.2744	0.3029	0.3268	0.3482	0.3677
30	0.2305	0.2675	0.2951	0.3184	0.3390	0.3579
28	0.2252	0.2611	0.2879	0.3105	0.3306	0.3489
26	0.2203	0.2552	0.2814	0.3033	0.3228	0.3406
24	0.2158	0.2499	0.2753	0.2966	0.3156	0.3329
22	0.2116	0.2449	0.2697	0.2905	0.3089	0.3258
20	0.2078	0.2403	0.2645	0.2848	0.3028	0.3192
18	0.2044	0.2362	0.2598	0.2796	0.2971	0.3131
16	0.2012	0.2323	0.2554	0.2747	0.2919	0.3075
14	0.1983	0.2288	0.2514	0.2703	0.2870	0.3023
12	0.1956	0.2255	0.2477	0.2662	0.2826	0.2975
10	0.1933	0.2226	0.2443	0.2625	0.2785	0.2931
8	0.1911	0.2200	0.2413	0.2590	0.2747	0.2890
6	0.1892	0.2176	0.2385	0.2559	0.2713	0.2853
4	0.1875	0.2154	0.2360	0.2531	0.2682	0.2819
2	0.1860	0.2135	0.2337	0.2506	0.2654	0.2789
0	0.1847	0.2118	0.2317	0.2483	0.2629	0.2761

Table 3

$\rho_0 \backslash \alpha$	0.01	0.02	0.03	0.04	0.05	0.06
-2	0.1836	0.2104	0.2300	0.2463	0.2606	0.2736
-4	0.1827	0.2091	0.2285	0.2445	0.2586	0.2714
-6	0.1820	0.2081	0.2272	0.2430	0.2569	0.2695
-8	0.1815	0.2073	0.2262	0.2418	0.2555	0.2678
-10	0.1812	0.2067	0.2254	0.2408	0.2542	0.2664
-12	0.1810	0.2064	0.2248	0.2400	0.2533	0.2653
-14		0.2062	0.2244	0.2395	0.2526	0.2645
-16			0.2243	0.2392	0.2522	0.2639
-18					0.2520	0.2636
-20						
-22						
-24						
-26						
-28						
-30						
-32						
-34						
-36						
-38						
-40						
-42						
-44						
-46						
-48						
-50						
-52						
-54						
-56						
-58						
-60						
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\alpha \backslash \rho_0$	0.07	0.08	0.09	0.10	0.11	0.12
88	10.2239	10.7129	11.1810	11.6320	12.0689	12.4939
86	5.1135	5.3580	5.5921	5.8176	6.0361	6.2486
84	3.4108	3.5738	3.7298	3.8802	4.0259	4.1676
82	2.5599	2.6822	2.7992	2.9121	3.0213	3.1276
80	2.0498	2.1477	2.2413	2.3316	2.4190	2.5041
78	1.7101	1.7917	1.8697	1.9450	2.0178	2.0887
76	1.4677	1.5377	1.6046	1.6691	1.7316	1.7924
74	1.2863	1.3475	1.4061	1.4625	1.5172	1.5704
72	1.1453	1.1998	1.2519	1.3021	1.3507	1.3980
70	1.0328	1.0818	1.1288	1.1740	1.2177	1.2603
68	0.9410	0.9856	1.0282	1.0693	1.1092	1.1479
66	0.8646	0.9055	0.9446	0.9823	1.0189	1.0544
64	0.8002	0.8380	0.8741	0.9089	0.9427	0.9754
62	0.7451	0.7802	0.8138	0.8462	0.8775	0.9080
60	0.6975	0.7304	0.7617	0.7919	0.8212	0.8497
58	0.6561	0.6869	0.7163	0.7446	0.7721	0.7988
56	0.6197	0.6486	0.6764	0.7031	0.7289	0.7541
54	0.5874	0.6148	0.6410	0.6662	0.6907	0.7144
52	0.5587	0.5847	0.6095	0.6334	0.6566	0.6791
50	0.5330	0.5577	0.5813	0.6041	0.6261	0.6475
48	0.5098	0.5334	0.5559	0.5776	0.5986	0.6190
46	0.4889	0.5114	0.5330	0.5537	0.5738	0.5932
44	0.4700	0.4915	0.5121	0.5320	0.5512	0.5699
42	0.4527	0.4734	0.4932	0.5122	0.5306	0.5485
40	0.4370	0.4568	0.4759	0.4942	0.5119	0.5291
38	0.4225	0.4417	0.4600	0.4776	0.4947	0.5112
36	0.4093	0.4278	0.4454	0.4624	0.4788	0.4948
34	0.3971	0.4150	0.4320	0.4484	0.4643	0.4797
32	0.3860	0.4032	0.4197	0.4355	0.4509	0.4657
30	0.3756	0.3923	0.4083	0.4236	0.4384	0.4529
28	0.3661	0.3823	0.3977	0.4126	0.4270	0.4409
26	0.3572	0.3730	0.3880	0.4024	0.4163	0.4299
24	0.3491	0.3644	0.3789	0.3929	0.4065	0.4196
22	0.3415	0.3564	0.3705	0.3842	0.3973	0.4101
20	0.3345	0.3490	0.3628	0.3760	0.3888	0.4013
18	0.3281	0.3421	0.3556	0.3685	0.3809	0.3930
16	0.3221	0.3358	0.3489	0.3615	0.3736	0.3854
14	0.3165	0.3299	0.3427	0.3550	0.3668	0.3783
12	0.3114	0.3245	0.3370	0.3489	0.3605	0.3717
10	0.3067	0.3195	0.3317	0.3434	0.3547	0.3656
8	0.3023	0.3148	0.3268	0.3382	0.3492	0.3600
6	0.2983	0.3106	0.3223	0.3335	0.3442	0.3547
4	0.2947	0.3067	0.3181	0.3291	0.3396	0.3499
2	0.2914	0.3031	0.3143	0.3251	0.3354	0.3454
0	0.2884	0.2999	0.3109	0.3214	0.3315	0.3413

Table 3

$\alpha \backslash \rho_0$	0.07	0.08	0.09	0.10	0.11	0.12
-2	0.2857	0.2970	0.3077	0.3181	0.3280	0.3376
-4	0.2832	0.2944	0.3049	0.3151	0.3248	0.3342
-6	0.2811	0.2921	0.3024	0.3124	0.3219	0.3312
-8	0.2793	0.2900	0.3002	0.3100	0.3194	0.3285
-10	0.2777	0.2883	0.2983	0.3079	0.3171	0.3260
-12	0.2764	0.2868	0.2967	0.3061	0.3152	0.3239
-14	0.2754	0.2857	0.2954	0.3046	0.3135	0.3222
-16	0.2747	0.2848	0.2943	0.3035	0.3122	0.3207
-18	0.2742	0.2842	0.2936	0.3026	0.3112	0.3195
-20	0.2740	0.2839	0.2931	0.3020	0.3105	0.3187
-22			0.2930	0.3017	0.3101	0.3181
-24						0.3179
-26						
-28						
-30						
-32						
-34						
-36						
-38						
-40						
-42						
-44						
-46						
-48						
-50						
-52						
-54						
-56						
-58						
-60						
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\alpha \backslash \rho_0$	0.13	0.14	0.15	0.16	0.17	0.18
88	12.9087	13.3146	13.7127	14.1040	14.4891	14.8688
86	6.4560	6.6590	6.8580	7.0537	7.2463	7.4361
84	4.3058	4.4412	4.5739	4.7043	4.8327	4.9593
82	3.2313	3.3328	3.4324	3.5302	3.6265	3.7214
80	2.5870	2.6683	2.7479	2.8262	2.9032	2.9792
78	2.1579	2.2256	2.2920	2.3572	2.4214	2.4848
76	1.8517	1.9097	1.9666	2.0226	2.0776	2.1319
74	1.6223	1.6731	1.7229	1.7719	1.8201	1.8676
72	1.4442	1.4893	1.5336	1.5772	1.6200	1.6622
70	1.3019	1.3425	1.3824	1.4216	1.4602	1.4982
68	1.1857	1.2226	1.2589	1.2946	1.3296	1.3642
66	1.0890	1.1229	1.1562	1.1889	1.2211	1.2528
64	1.0075	1.0388	1.0695	1.0997	1.1294	1.1587
62	0.9377	0.9668	0.9953	1.0234	1.0510	1.0782
60	0.8774	0.9046	0.9312	0.9574	0.9832	1.0086
58	0.8248	0.8503	0.8753	0.8999	0.9240	0.9478
56	0.7786	0.8026	0.8261	0.8492	0.8720	0.8944
54	0.7376	0.7603	0.7825	0.8044	0.8259	0.8471
52	0.7011	0.7226	0.7437	0.7644	0.7848	0.8049
50	0.6684	0.6888	0.7089	0.7286	0.7479	0.7670
48	0.6389	0.6584	0.6775	0.6963	0.7147	0.7329
46	0.6123	0.6309	0.6491	0.6670	0.6847	0.7021
44	0.5881	0.6059	0.6233	0.6405	0.6574	0.6740
42	0.5660	0.5831	0.5998	0.6163	0.6325	0.6484
40	0.5458	0.5623	0.5783	0.5941	0.6097	0.6250
38	0.5274	0.5431	0.5586	0.5738	0.5888	0.6036
36	0.5104	0.5256	0.5405	0.5552	0.5696	0.5838
34	0.4947	0.5094	0.5238	0.5379	0.5519	0.5656
32	0.4803	0.4945	0.5084	0.5221	0.5355	0.5488
30	0.4669	0.4807	0.4941	0.5073	0.5203	0.5332
28	0.4545	0.4679	0.4809	0.4937	0.5063	0.5187
26	0.4431	0.4560	0.4686	0.4811	0.4933	0.5053
24	0.4324	0.4450	0.4572	0.4693	0.4812	0.4928
22	0.4226	0.4347	0.4467	0.4584	0.4699	0.4812
20	0.4134	0.4252	0.4368	0.4482	0.4594	0.4704
18	0.4048	0.4164	0.4276	0.4387	0.4496	0.4604
16	0.3969	0.4081	0.4191	0.4299	0.4405	0.4510
14	0.3895	0.4004	0.4112	0.4217	0.4320	0.4422
12	0.3827	0.3933	0.4038	0.4140	0.4241	0.4341
10	0.3763	0.3867	0.3969	0.4069	0.4168	0.4265
8	0.3704	0.3805	0.3905	0.4003	0.4099	0.4194
6	0.3649	0.3748	0.3846	0.3941	0.4035	0.4128
4	0.3598	0.3696	0.3791	0.3884	0.3976	0.4067
2	0.3552	0.3647	0.3740	0.3831	0.3921	0.4010
0	0.3509	0.3602	0.3693	0.3783	0.3870	0.3957

Table 3

$\alpha \backslash \rho_0$	0.13	0.14	0.15	0.16	0.17	0.18
-2	0.3470	0.3561	0.3650	0.3738	0.3824	0.3909
-4	0.3434	0.3523	0.3611	0.3697	0.3781	0.3864
-6	0.3402	0.3489	0.3575	0.3659	0.3742	0.3823
-8	0.3373	0.3459	0.3543	0.3625	0.3706	0.3786
-10	0.3347	0.3431	0.3514	0.3595	0.3674	0.3752
-12	0.3324	0.3407	0.3488	0.3568	0.3646	0.3722
-14	0.3305	0.3386	0.3466	0.3544	0.3620	0.3695
-16	0.3289	0.3369	0.3447	0.3523	0.3598	0.3672
-18	0.3276	0.3355	0.3431	0.3506	0.3580	0.3652
-20	0.3266	0.3343	0.3419	0.3493	0.3565	0.3636
-22	0.3260	0.3335	0.3410	0.3482	0.3553	0.3623
-24	0.3256	0.3331	0.3404	0.3475	0.3545	0.3614
-26			0.3402	0.3472	0.3540	0.3608
-28						0.3605
-30						
-32						
-34						
-36						
-38						
-40						
-42						
-44						
-46						
-48						
-50						
-52						
-54						
-56						
-58						
-60						
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	0.19	0.20	0.22	0.24	0.26	0.28
88	15.2435	15.6137	16.3423	17.0572	17.7604	18.4535
86	7.6235	7.8086	8.1729	8.5304	8.8820	9.2285
84	5.0842	5.2076	5.4505	5.6889	5.9233	6.1544
82	3.8152	3.9077	4.0899	4.2687	4.4445	4.6179
80	3.0542	3.1283	3.2740	3.4171	3.5577	3.6964
78	2.5472	2.6090	2.7305	2.8497	2.9670	3.0826
76	2.1855	2.2384	2.3426	2.4448	2.5453	2.6444
74	1.9145	1.9608	2.0520	2.1414	2.2294	2.3161
72	1.7039	1.7451	1.8262	1.9057	1.9839	2.0611
70	1.5357	1.5728	1.6458	1.7174	1.7878	1.8573
68	1.3983	1.4321	1.4984	1.5635	1.6276	1.6907
66	1.2841	1.3150	1.3758	1.4355	1.4943	1.5522
64	1.1875	1.2161	1.2723	1.3274	1.3817	1.4351
62	1.1050	1.1315	1.1837	1.2350	1.2853	1.3350
60	1.0336	1.0584	1.1072	1.1550	1.2020	1.2484
58	0.9714	0.9946	1.0403	1.0852	1.1293	1.1728
56	0.9166	0.9384	0.9815	1.0237	1.0653	1.1062
54	0.8680	0.8887	0.9294	0.9693	1.0085	1.0473
52	0.8247	0.8443	0.8829	0.9207	0.9579	0.9946
50	0.7859	0.8045	0.8412	0.8771	0.9125	0.9474
48	0.7509	0.7686	0.8036	0.8378	0.8716	0.9048
46	0.7192	0.7362	0.7695	0.8023	0.8345	0.8662
44	0.6904	0.7067	0.7386	0.7699	0.8008	0.8311
42	0.6642	0.6797	0.7104	0.7404	0.7700	0.7991
40	0.6402	0.6551	0.6845	0.7134	0.7418	0.7698
38	0.6181	0.6325	0.6608	0.6886	0.7159	0.7429
36	0.5978	0.6117	0.6390	0.6657	0.6921	0.7180
34	0.5791	0.5925	0.6188	0.6446	0.6701	0.6951
32	0.5618	0.5748	0.6002	0.6252	0.6497	0.6739
30	0.5458	0.5583	0.5829	0.6071	0.6308	0.6543
28	0.5310	0.5431	0.5669	0.5903	0.6133	0.6360
26	0.5172	0.5289	0.5520	0.5747	0.5970	0.6190
24	0.5044	0.5158	0.5382	0.5602	0.5818	0.6032
22	0.4924	0.5035	0.5253	0.5466	0.5677	0.5884
20	0.4813	0.4921	0.5132	0.5340	0.5544	0.5746
18	0.4710	0.4814	0.5020	0.5222	0.5421	0.5617
16	0.4613	0.4715	0.4915	0.5112	0.5306	0.5497
14	0.4523	0.4622	0.4817	0.5009	0.5198	0.5384
12	0.4439	0.4535	0.4726	0.4913	0.5097	0.5278
10	0.4360	0.4455	0.4640	0.4823	0.5002	0.5179
8	0.4287	0.4379	0.4561	0.4739	0.4914	0.5087
6	0.4219	0.4309	0.4486	0.4660	0.4831	0.5000
4	0.4156	0.4244	0.4417	0.4587	0.4754	0.4919
2	0.4097	0.4183	0.4352	0.4519	0.4682	0.4843
0	0.4042	0.4127	0.4292	0.4455	0.4615	0.4773

Table 3

$\alpha \backslash \rho_0$	0.19	0.20	0.22	0.24	0.26	0.28
-2	0.3992	0.4075	0.4237	0.4396	0.4552	0.4707
-4	0.3946	0.4026	0.4185	0.4341	0.4494	0.4645
-6	0.3903	0.3982	0.4138	0.4290	0.4440	0.4588
-8	0.3864	0.3942	0.4094	0.4244	0.4391	0.4536
-10	0.3829	0.3905	0.4055	0.4201	0.4345	0.4487
-12	0.3798	0.3872	0.4019	0.4162	0.4303	0.4442
-14	0.3770	0.3843	0.3986	0.4127	0.4265	0.4402
-16	0.3745	0.3817	0.3957	0.4096	0.4231	0.4365
-18	0.3724	0.3794	0.3932	0.4068	0.4201	0.4332
-20	0.3706	0.3775	0.3911	0.4043	0.4174	0.4303
-22	0.3692	0.3760	0.3893	0.4023	0.4151	0.4277
-24	0.3681	0.3748	0.3878	0.4006	0.4132	0.4255
-26	0.3674	0.3739	0.3867	0.3993	0.4116	0.4238
-28	0.3671	0.3735	0.3861	0.3984	0.4104	0.4223
-30			0.3857	0.3978	0.4097	0.4213
-32					0.4093	0.4208
-34						
-36						
-38						
-40						
-42						
-44						
-46						
-48						
-50						
-52						
-54						
-56						
-58						
-60						
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\alpha \backslash \rho_0$	0.30	0.32	0.34	0.36	0.38	0.40
88	19.1378	19.8145	20.4843	21.1481	21.8065	22.4599
86	9.5707	9.9091	10.2440	10.5759	10.9051	11.2319
84	6.3825	6.6081	6.8314	7.0527	7.2722	7.4900
82	4.7890	4.9582	5.1257	5.2917	5.4563	5.6198
80	3.8334	3.9688	4.1028	4.2356	4.3673	4.4981
78	3.1967	3.3095	3.4213	3.5320	3.6418	3.7507
76	2.7423	2.8390	2.9348	3.0297	3.1239	3.2173
74	2.4018	2.4864	2.5703	2.6533	2.7358	2.8175
72	2.1372	2.2125	2.2870	2.3609	2.4342	2.5069
70	1.9258	1.9936	2.0607	2.1272	2.1932	2.2587
68	1.7531	1.8147	1.8758	1.9362	1.9962	2.0558
66	1.6094	1.6659	1.7219	1.7773	1.8323	1.8870
64	1.4879	1.5401	1.5918	1.6431	1.6939	1.7443
62	1.3841	1.4326	1.4806	1.5282	1.5754	1.6223
60	1.2942	1.3395	1.3843	1.4288	1.4729	1.5167
58	1.2158	1.2583	1.3003	1.3420	1.3834	1.4244
56	1.1467	1.1867	1.2263	1.2656	1.3046	1.3432
54	1.0855	1.1233	1.1607	1.1978	1.2346	1.2712
52	1.0309	1.0667	1.1022	1.1374	1.1723	1.2069
50	0.9818	1.0159	1.0497	1.0831	1.1163	1.1492
48	0.9376	0.9701	1.0023	1.0341	1.0658	1.0972
46	0.8976	0.9286	0.9593	0.9898	1.0200	1.0500
44	0.8612	0.8909	0.9203	0.9494	0.9783	1.0070
42	0.8279	0.8564	0.8846	0.9125	0.9403	0.9678
40	0.7975	0.8248	0.8519	0.8788	0.9054	0.9319
38	0.7695	0.7958	0.8219	0.8477	0.8734	0.8988
36	0.7437	0.7691	0.7942	0.8191	0.8438	0.8684
34	0.7199	0.7444	0.7686	0.7927	0.8165	0.8402
32	0.6978	0.7215	0.7449	0.7682	0.7912	0.8141
30	0.6774	0.7003	0.7230	0.7455	0.7678	0.7899
28	0.6584	0.6806	0.7025	0.7243	0.7459	0.7674
26	0.6407	0.6622	0.6835	0.7046	0.7256	0.7464
24	0.6243	0.6451	0.6658	0.6863	0.7066	0.7268
22	0.6089	0.6291	0.6492	0.6691	0.6889	0.7086
20	0.5945	0.6142	0.6338	0.6531	0.6723	0.6914
18	0.5811	0.6003	0.6193	0.6381	0.6568	0.6754
16	0.5685	0.5872	0.6057	0.6241	0.6423	0.6604
14	0.5568	0.5750	0.5930	0.6109	0.6286	0.6463
12	0.5458	0.5635	0.5811	0.5985	0.6158	0.6331
10	0.5354	0.5527	0.5699	0.5869	0.6038	0.6206
8	0.5258	0.5427	0.5594	0.5760	0.5925	0.6089
6	0.5167	0.5332	0.5496	0.5658	0.5819	0.5980
4	0.5082	0.5243	0.5403	0.5562	0.5720	0.5877
2	0.5003	0.5160	0.5317	0.5472	0.5626	0.5780
0	0.4929	0.5083	0.5236	0.5388	0.5539	0.5688

Table 3

ρ_0 α	0.30	0.32	0.34	0.36	0.38	0.40
-2	0.4859	0.5010	0.5160	0.5309	0.5456	0.5603
-4	0.4795	0.4943	0.5089	0.5235	0.5379	0.5523
-6	0.4735	0.4880	0.5023	0.5166	0.5307	0.5448
-8	0.4679	0.4821	0.4962	0.5101	0.5240	0.5378
-10	0.4628	0.4766	0.4904	0.5041	0.5177	0.5313
-12	0.4580	0.4716	0.4851	0.4986	0.5119	0.5252
-14	0.4537	0.4670	0.4803	0.4934	0.5065	0.5195
-16	0.4497	0.4628	0.4758	0.4887	0.5015	0.5143
-18	0.4462	0.4590	0.4718	0.4844	0.4970	0.5095
-20	0.4430	0.4556	0.4681	0.4805	0.4928	0.5051
-22	0.4402	0.4525	0.4648	0.4770	0.4891	0.5011
-24	0.4378	0.4499	0.4619	0.4738	0.4857	0.4975
-26	0.4358	0.4476	0.4594	0.4711	0.4828	0.4944
-28	0.4341	0.4458	0.4573	0.4688	0.4802	0.4916
-30	0.4329	0.4443	0.4556	0.4669	0.4780	0.4892
-32	0.4320	0.4432	0.4543	0.4653	0.4763	0.4872
-34	0.4316	0.4426	0.4535	0.4643	0.4750	0.4857
-36			0.4531	0.4636	0.4742	0.4846
-38					0.4737	0.4840
-40						
-42						
-44						
-46						
-48						
-50						
-52						
-54						
-56						
-58						
-60						
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	0.42	0.44	0.46	0.48	0.50	0.52
88	23.1089	23.7539	24.3952	25.0332	25.6680	26.3000
86	11.5564	11.8789	12.1996	12.5186	12.8360	13.1520
84	7.7064	7.9214	8.1353	8.3479	8.5596	8.7703
82	5.7821	5.9434	6.1037	6.2633	6.4221	6.5801
80	4.6280	4.7570	4.8854	5.0130	5.1401	5.2665
78	3.8590	3.9666	4.0736	4.1800	4.2859	4.3913
76	3.3101	3.4024	3.4941	3.5853	3.6761	3.7665
74	2.8988	2.9795	3.0598	3.1397	3.2191	3.2983
72	2.5791	2.6509	2.7223	2.7933	2.8640	2.9344
70	2.3237	2.3883	2.4526	2.5166	2.5802	2.6436
68	2.1150	2.1737	2.2322	2.2904	2.3483	2.4059
66	1.9412	1.9951	2.0488	2.1021	2.1552	2.2080
64	1.7944	1.8442	1.8938	1.9430	1.9921	2.0409
62	1.6688	1.7151	1.7611	1.8069	1.8524	1.8978
60	1.5601	1.6033	1.6463	1.6891	1.7316	1.7740
58	1.4652	1.5057	1.5461	1.5862	1.6261	1.6658
56	1.3816	1.4198	1.4578	1.4956	1.5332	1.5706
54	1.3075	1.3436	1.3795	1.4152	1.4507	1.4861
52	1.2413	1.2755	1.3096	1.3434	1.3771	1.4107
50	1.1819	1.2145	1.2468	1.2790	1.3111	1.3430
48	1.1284	1.1594	1.1902	1.2209	1.2514	1.2819
46	1.0798	1.1094	1.1389	1.1682	1.1974	1.2265
44	1.0356	1.0639	1.0921	1.1202	1.1482	1.1760
42	0.9952	1.0224	1.0495	1.0764	1.1032	1.1299
40	0.9582	0.9843	1.0103	1.0362	1.0620	1.0877
38	0.9241	0.9493	0.9743	0.9993	1.0241	1.0488
36	0.8928	0.9170	0.9412	0.9652	0.9891	1.0129
34	0.8638	0.8872	0.9105	0.9337	0.9568	0.9798
32	0.8369	0.8595	0.8821	0.9045	0.9268	0.9490
30	0.8120	0.8339	0.8557	0.8774	0.8990	0.9205
28	0.7887	0.8100	0.8311	0.8521	0.8730	0.8939
26	0.7671	0.7877	0.8082	0.8286	0.8489	0.8691
24	0.7469	0.7669	0.7868	0.8066	0.8263	0.8460
22	0.7281	0.7475	0.7668	0.7861	0.8052	0.8243
20	0.7104	0.7293	0.7481	0.7668	0.7855	0.8041
18	0.6939	0.7123	0.7306	0.7488	0.7670	0.7850
16	0.6784	0.6963	0.7141	0.7319	0.7496	0.7672
14	0.6638	0.6813	0.6987	0.7160	0.7332	0.7504
12	0.6502	0.6672	0.6841	0.7010	0.7179	0.7346
10	0.6373	0.6539	0.6705	0.6870	0.7034	0.7198
8	0.6252	0.6415	0.6576	0.6738	0.6898	0.7058
6	0.6139	0.6298	0.6456	0.6613	0.6770	0.6926
4	0.6032	0.6187	0.6342	0.6496	0.6649	0.6802
2	0.5932	0.6084	0.6235	0.6385	0.6536	0.6685
0	0.5838	0.5986	0.6134	0.6282	0.6429	0.6575

Table 3

$\rho_0 \backslash \alpha$	0.42	0.44	0.46	0.48	0.50	0.52
-2	0.5749	0.5895	0.6040	0.6184	0.6328	0.6471
-4	0.5666	0.5809	0.5950	0.6092	0.6233	0.6374
-6	0.5588	0.5728	0.5867	0.6005	0.6144	0.6281
-8	0.5515	0.5652	0.5788	0.5924	0.6060	0.6195
-10	0.5447	0.5581	0.5715	0.5848	0.5981	0.6114
-12	0.5384	0.5515	0.5646	0.5777	0.5907	0.6038
-14	0.5325	0.5454	0.5582	0.5711	0.5839	0.5966
-16	0.5270	0.5397	0.5523	0.5649	0.5774	0.5900
-18	0.5220	0.5344	0.5468	0.5591	0.5714	0.5838
-20	0.5173	0.5295	0.5417	0.5538	0.5659	0.5780
-22	0.5131	0.5251	0.5370	0.5489	0.5608	0.5727
-24	0.5093	0.5210	0.5327	0.5444	0.5561	0.5677
-26	0.5059	0.5174	0.5289	0.5404	0.5518	0.5633
-28	0.5029	0.5142	0.5255	0.5367	0.5480	0.5592
-30	0.5003	0.5114	0.5224	0.5335	0.5445	0.5556
-32	0.4981	0.5090	0.5199	0.5307	0.5415	0.5523
-34	0.4964	0.5070	0.5177	0.5283	0.5389	0.5496
-36	0.4951	0.5055	0.5159	0.5264	0.5368	0.5472
-38	0.4942	0.5045	0.5146	0.5249	0.5351	0.5453
-40	0.4938	0.5038	0.5138	0.5238	0.5338	0.5438
-42			0.5135	0.5233	0.5331	0.5428
-44					0.5328	0.5423
-46						
-48						
-50						
-52						
-54						
-56						
-58						
-60						
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\alpha \backslash \rho_0$	0.54	0.56	0.58	0.60	0.62	0.64
88	26.9293	27.5562	28.1808	28.8033	29.4238	30.0424
86	13.4667	13.7802	14.0925	14.4038	14.7141	15.0234
84	8.9801	9.1891	9.3974	9.6049	9.8118	10.0180
82	6.7375	6.8943	7.0505	7.2062	7.3614	7.5161
80	5.3925	5.5179	5.6429	5.7675	5.8917	6.0155
78	4.4963	4.6008	4.7050	4.8089	4.9124	5.0156
76	3.8565	3.9462	4.0355	4.1246	4.2133	4.3018
74	3.3771	3.4555	3.5337	3.6117	3.6894	3.7669
72	3.0044	3.0743	3.1438	3.2131	3.2822	3.3511
70	2.7066	2.7695	2.8321	2.8946	2.9568	3.0188
68	2.4633	2.5204	2.5774	2.6342	2.6908	2.7472
66	2.2607	2.3131	2.3654	2.4174	2.4694	2.5211
64	2.0895	2.1379	2.1862	2.2343	2.2823	2.3301
62	1.9430	1.9880	2.0328	2.0775	2.1221	2.1665
60	1.8162	1.8582	1.9001	1.9419	1.9835	2.0250
58	1.7054	1.7449	1.7842	1.8234	1.8624	1.9014
56	1.6079	1.6451	1.6821	1.7190	1.7558	1.7925
54	1.5214	1.5565	1.5915	1.6264	1.6612	1.6959
52	1.4441	1.4774	1.5106	1.5437	1.5767	1.6096
50	1.3748	1.4064	1.4380	1.4695	1.5008	1.5321
48	1.3122	1.3424	1.3724	1.4024	1.4324	1.4622
46	1.2554	1.2843	1.3130	1.3417	1.3703	1.3988
44	1.2037	1.2314	1.2589	1.2864	1.3137	1.3410
42	1.1565	1.1830	1.2094	1.2358	1.2621	1.2882
40	1.1132	1.1387	1.1641	1.1894	1.2147	1.2399
38	1.0734	1.0979	1.1224	1.1468	1.1711	1.1953
36	1.0367	1.0603	1.0839	1.1074	1.1308	1.1542
34	1.0027	1.0255	1.0483	1.0710	1.0936	1.1162
32	0.9712	0.9933	1.0153	1.0372	1.0591	1.0809
30	0.9419	0.9633	0.9846	1.0059	1.0271	1.0482
28	0.9147	0.9354	0.9560	0.9766	0.9972	1.0177
26	0.8893	0.9094	0.9294	0.9494	0.9693	0.9892
24	0.8656	0.8851	0.9045	0.9239	0.9433	0.9626
22	0.8434	0.8623	0.8812	0.9001	0.9189	0.9377
20	0.8226	0.8410	0.8594	0.8778	0.8961	0.9144
18	0.8031	0.8210	0.8389	0.8568	0.8747	0.8925
16	0.7847	0.8023	0.8197	0.8371	0.8545	0.8719
14	0.7675	0.7846	0.8016	0.8186	0.8356	0.8525
12	0.7513	0.7680	0.7846	0.8012	0.8178	0.8343
10	0.7361	0.7524	0.7686	0.7848	0.8010	0.8171
8	0.7217	0.7376	0.7535	0.7693	0.7851	0.8009
6	0.7082	0.7238	0.7393	0.7548	0.7702	0.7856
4	0.6955	0.7107	0.7259	0.7410	0.7561	0.7712
2	0.6834	0.6983	0.7132	0.7280	0.7428	0.7576
0	0.6721	0.6867	0.7013	0.7158	0.7303	0.7448

Table 3

$\rho_0 \backslash \alpha$	0.54	0.56	0.58	0.60	0.62	0.64
-2	0.6614	0.6757	0.6900	0.7042	0.7184	0.7326
-4	0.6514	0.6654	0.6794	0.6933	0.7072	0.7211
-6	0.6419	0.6556	0.6693	0.6830	0.6967	0.7103
-8	0.6330	0.6465	0.6599	0.6733	0.6867	0.7001
-10	0.6246	0.6378	0.6510	0.6642	0.6773	0.6905
-12	0.6167	0.6297	0.6427	0.6556	0.6685	0.6814
-14	0.6094	0.6221	0.6348	0.6475	0.6602	0.6729
-16	0.6025	0.6150	0.6274	0.6399	0.6524	0.6648
-18	0.5960	0.6083	0.6206	0.6328	0.6451	0.6573
-20	0.5900	0.6021	0.6141	0.6262	0.6382	0.6503
-22	0.5845	0.5964	0.6082	0.6200	0.6318	0.6437
-24	0.5794	0.5910	0.6027	0.6143	0.6259	0.6375
-26	0.5747	0.5861	0.5976	0.6090	0.6204	0.6319
-28	0.5704	0.5817	0.5929	0.6041	0.6154	0.6266
-30	0.5666	0.5776	0.5887	0.5997	0.6107	0.6218
-32	0.5632	0.5740	0.5849	0.5957	0.6065	0.6174
-34	0.5602	0.5708	0.5815	0.5921	0.6028	0.6135
-36	0.5576	0.5681	0.5785	0.5890	0.5994	0.6099
-38	0.5555	0.5658	0.5760	0.5863	0.5966	0.6069
-40	0.5538	0.5639	0.5739	0.5840	0.5941	0.6042
-42	0.5526	0.5625	0.5723	0.5822	0.5921	0.6021
-44	0.5519	0.5616	0.5712	0.5809	0.5906	0.6003
-46		0.5612	0.5706	0.5801	0.5896	0.5991
-48				0.5798	0.5891	0.5984
-50						
-52						
-54						
-56						
-58						
-60						
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	0.66	0.68	0.70	0.72	0.74	0.76
88	30.6593	31.2746	31.8883	32.5006	33.1116	33.7212
86	15.3319	15.6395	15.9464	16.2526	16.5581	16.8630
84	10.2237	10.4289	10.6335	10.8376	11.0413	11.2446
82	7.6704	7.8243	7.9778	8.1309	8.2837	8.4362
80	6.1390	6.2621	6.3850	6.5075	6.6298	6.7518
78	5.1185	5.2212	5.3236	5.4257	5.5277	5.6294
76	4.3901	4.4781	4.5659	4.6535	4.7409	4.8281
74	3.8441	3.9212	3.9980	4.0747	4.1512	4.2276
72	3.4198	3.4883	3.5567	3.6249	3.6930	3.7609
70	3.0807	3.1424	3.2039	3.2654	3.3266	3.3878
68	2.8035	2.8596	2.9156	2.9715	3.0272	3.0829
66	2.5728	2.6242	2.6756	2.7268	2.7780	2.8290
64	2.3778	2.4253	2.4728	2.5201	2.5674	2.6145
62	2.2108	2.2550	2.2991	2.3431	2.3870	2.4309
60	2.0664	2.1077	2.1489	2.1900	2.2310	2.2719
58	1.9402	1.9789	2.0176	2.0562	2.0947	2.1331
56	1.8291	1.8656	1.9020	1.9383	1.9746	2.0107
54	1.7304	1.7649	1.7994	1.8337	1.8680	1.9022
52	1.6424	1.6751	1.7078	1.7403	1.7729	1.8053
50	1.5633	1.5944	1.6255	1.6565	1.6874	1.7183
48	1.4919	1.5216	1.5512	1.5808	1.6103	1.6397
46	1.4272	1.4556	1.4839	1.5121	1.5403	1.5684
44	1.3683	1.3954	1.4225	1.4496	1.4766	1.5035
42	1.3144	1.3405	1.3665	1.3924	1.4183	1.4442
40	1.2650	1.2900	1.3150	1.3400	1.3649	1.3898
38	1.2195	1.2436	1.2677	1.2917	1.3157	1.3397
36	1.1776	1.2008	1.2240	1.2472	1.2704	1.2935
34	1.1387	1.1612	1.1836	1.2060	1.2284	1.2507
32	1.1027	1.1245	1.1462	1.1678	1.1894	1.2110
30	1.0693	1.0903	1.1113	1.1323	1.1532	1.1741
28	1.0381	1.0585	1.0789	1.0992	1.1195	1.1398
26	1.0091	1.0288	1.0486	1.0683	1.0880	1.1077
24	0.9819	1.0011	1.0203	1.0395	1.0586	1.0777
22	0.9564	0.9751	0.9938	1.0124	1.0310	1.0496
20	0.9326	0.9508	0.9690	0.9871	1.0052	1.0233
18	0.9102	0.9279	0.9456	0.9633	0.9809	0.9986
16	0.8892	0.9065	0.9237	0.9409	0.9581	0.9753
14	0.8694	0.8863	0.9031	0.9199	0.9367	0.9534
12	0.8508	0.8672	0.8837	0.9001	0.9165	0.9328
10	0.8332	0.8493	0.8653	0.8814	0.8974	0.9134
8	0.8167	0.8324	0.8481	0.8637	0.8794	0.8950
6	0.8010	0.8164	0.8318	0.8471	0.8624	0.8777
4	0.7863	0.8013	0.8164	0.8314	0.8464	0.8613
2	0.7724	0.7871	0.8018	0.8165	0.8312	0.8459
0	0.7592	0.7736	0.7881	0.8025	0.8169	0.8312

Table 3

$\rho_0 \backslash \alpha$	0.66	0.68	0.70	0.72	0.74	0.76
-2	0.7468	0.7609	0.7751	0.7892	0.8033	0.8174
-4	0.7350	0.7489	0.7628	0.7766	0.7905	0.8043
-6	0.7240	0.7376	0.7512	0.7648	0.7783	0.7919
-8	0.7135	0.7268	0.7402	0.7535	0.7669	0.7802
-10	0.7036	0.7167	0.7298	0.7429	0.7560	0.7691
-12	0.6943	0.7072	0.7201	0.7329	0.7458	0.7587
-14	0.6855	0.6982	0.7108	0.7235	0.7361	0.7488
-16	0.6773	0.6897	0.7022	0.7146	0.7270	0.7394
-18	0.6695	0.6818	0.6940	0.7062	0.7184	0.7307
-20	0.6623	0.6743	0.6863	0.6983	0.7104	0.7224
-22	0.6555	0.6673	0.6791	0.6910	0.7028	0.7146
-24	0.6492	0.6608	0.6724	0.6841	0.6957	0.7073
-26	0.6433	0.6547	0.6662	0.6776	0.6891	0.7005
-28	0.6378	0.6491	0.6604	0.6716	0.6829	0.6942
-30	0.6328	0.6439	0.6550	0.6661	0.6772	0.6883
-32	0.6283	0.6392	0.6501	0.6610	0.6719	0.6828
-34	0.6241	0.6349	0.6456	0.6563	0.6670	0.6778
-36	0.6205	0.6310	0.6415	0.6521	0.6626	0.6732
-38	0.6172	0.6275	0.6379	0.6483	0.6587	0.6691
-40	0.6144	0.6245	0.6347	0.6449	0.6552	0.6654
-42	0.6120	0.6220	0.6320	0.6420	0.6521	0.6622
-44	0.6101	0.6199	0.6297	0.6396	0.6495	0.6594
-46	0.6087	0.6183	0.6279	0.6376	0.6473	0.6571
-48	0.6078	0.6172	0.6266	0.6361	0.6457	0.6552
-50	0.6074	0.6166	0.6259	0.6352	0.6445	0.6539
-52				0.6347	0.6439	0.6531
-54						
-56						
-58						
-60						
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	0.78	0.80	0.82	0.84	0.86	0.88
88	34.3296	34.9369	35.5431	36.1482	36.7524	37.3556
86	17.1672	17.4709	17.7740	18.0766	18.3787	18.6803
84	11.4475	11.6499	11.8521	12.0538	12.2553	12.4564
82	8.5884	8.7403	8.8919	9.0433	9.1944	9.3453
80	6.8736	6.9951	7.1165	7.2376	7.3585	7.4793
78	5.7309	5.8322	5.9334	6.0344	6.1352	6.2358
76	4.9152	5.0021	5.0888	5.1754	5.2619	5.3482
74	4.3038	4.3799	4.4558	4.5316	4.6073	4.6828
72	3.8286	3.8963	3.9638	4.0312	4.0985	4.1657
70	3.4488	3.5098	3.5706	3.6313	3.6919	3.7524
68	3.1384	3.1938	3.2491	3.3044	3.3595	3.4146
66	2.8800	2.9308	2.9816	3.0322	3.0828	3.1333
64	2.6615	2.7085	2.7554	2.8022	2.8489	2.8956
62	2.4746	2.5182	2.5618	2.6053	2.6488	2.6921
60	2.3128	2.3535	2.3943	2.4349	2.4755	2.5160
58	2.1714	2.2097	2.2479	2.2860	2.3241	2.3621
56	2.0469	2.0829	2.1189	2.1549	2.1907	2.2266
54	1.9364	1.9705	2.0045	2.0385	2.0724	2.1063
52	1.8377	1.8700	1.9023	1.9346	1.9667	1.9989
50	1.7491	1.7798	1.8105	1.8412	1.8718	1.9024
48	1.6691	1.6984	1.7277	1.7569	1.7861	1.8153
46	1.5965	1.6245	1.6525	1.6805	1.7084	1.7363
44	1.5304	1.5573	1.5841	1.6109	1.6376	1.6643
42	1.4700	1.4958	1.5215	1.5472	1.5729	1.5985
40	1.4146	1.4394	1.4641	1.4888	1.5135	1.5381
38	1.3636	1.3875	1.4113	1.4351	1.4588	1.4826
36	1.3165	1.3395	1.3625	1.3855	1.4084	1.4313
34	1.2730	1.2952	1.3174	1.3396	1.3617	1.3838
32	1.2325	1.2541	1.2755	1.2970	1.3184	1.3398
30	1.1950	1.2158	1.2366	1.2574	1.2781	1.2989
28	1.1600	1.1802	1.2003	1.2205	1.2406	1.2607
26	1.1273	1.1469	1.1665	1.1861	1.2056	1.2251
24	1.0968	1.1158	1.1348	1.1538	1.1728	1.1918
22	1.0682	1.0867	1.1052	1.1237	1.1421	1.1606
20	1.0414	1.0594	1.0774	1.0954	1.1133	1.1313
18	1.0162	1.0337	1.0513	1.0688	1.0863	1.1038
16	0.9925	1.0096	1.0267	1.0438	1.0609	1.0779
14	0.9702	0.9869	1.0036	1.0203	1.0369	1.0536
12	0.9492	0.9655	0.9818	0.9981	1.0144	1.0306
10	0.9294	0.9453	0.9612	0.9772	0.9931	1.0090
8	0.9107	0.9262	0.9418	0.9574	0.9730	0.9885
6	0.8930	0.9082	0.9235	0.9387	0.9540	0.9692
4	0.8763	0.8912	0.9062	0.9211	0.9360	0.9509
2	0.8605	0.8752	0.8898	0.9044	0.9190	0.9336
0	0.8456	0.8599	0.8743	0.8886	0.9029	0.9172

Table 3

ρ_0 α	0.78	0.80	0.82	0.84	0.86	0.88
-2	0.8315	0.8455	0.8596	0.8737	0.8877	0.9018
-4	0.8181	0.8319	0.8457	0.8595	0.8733	0.8871
-6	0.8055	0.8190	0.8326	0.8461	0.8596	0.8732
-8	0.7935	0.8068	0.8201	0.8334	0.8467	0.8600
-10	0.7822	0.7953	0.8083	0.8214	0.8345	0.8475
-12	0.7715	0.7843	0.7972	0.8100	0.8229	0.8357
-14	0.7614	0.7740	0.7867	0.7993	0.8119	0.8245
-16	0.7519	0.7643	0.7767	0.7891	0.8015	0.8140
-18	0.7429	0.7551	0.7673	0.7795	0.7918	0.8040
-20	0.7344	0.7464	0.7584	0.7705	0.7825	0.7945
-22	0.7264	0.7383	0.7501	0.7620	0.7738	0.7857
-24	0.7190	0.7306	0.7423	0.7539	0.7656	0.7773
-26	0.7120	0.7234	0.7349	0.7464	0.7579	0.7694
-28	0.7054	0.7167	0.7280	0.7394	0.7507	0.7620
-30	0.6994	0.7105	0.7216	0.7328	0.7439	0.7551
-32	0.6938	0.7047	0.7157	0.7266	0.7376	0.7486
-34	0.6886	0.6994	0.7102	0.7210	0.7318	0.7426
-36	0.6838	0.6945	0.7051	0.7158	0.7264	0.7371
-38	0.6795	0.6900	0.7005	0.7110	0.7215	0.7320
-40	0.6757	0.6860	0.6963	0.7067	0.7170	0.7274
-42	0.6723	0.6824	0.6926	0.7028	0.7130	0.7232
-44	0.6693	0.6793	0.6893	0.6993	0.7094	0.7195
-46	0.6668	0.6766	0.6865	0.6963	0.7063	0.7162
-48	0.6648	0.6745	0.6841	0.6938	0.7036	0.7133
-50	0.6633	0.6728	0.6823	0.6918	0.7014	0.7110
-52	0.6623	0.6716	0.6809	0.6903	0.6997	0.7091
-54	0.6618	0.6709	0.6801	0.6892	0.6985	0.7078
-56			0.6798	0.6888	0.6978	0.7069
-58						
-60						
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\alpha \backslash \rho_0$	0.90	0.92	0.94	0.96	0.98	1.00
88	37.9579	38.5594	39.1601	39.7600	40.3591	40.9575
86	18.9816	19.2823	19.5827	19.8826	20.1823	20.4815
84	12.6572	12.8578	13.0581	13.2581	13.4578	13.6574
82	9.4959	9.6464	9.7966	9.9467	10.0965	10.2462
80	7.5998	7.7202	7.8405	7.9605	8.0805	8.2003
78	6.3363	6.4367	6.5369	6.6370	6.7370	6.8369
76	5.4344	5.5204	5.6064	5.6922	5.7780	5.8636
74	4.7583	4.8336	4.9089	4.9840	5.0591	5.1341
72	4.2329	4.2999	4.3668	4.4336	4.5004	4.5671
70	3.8129	3.8732	3.9335	3.9937	4.0538	4.1139
68	3.4696	3.5245	3.5793	3.6341	3.6888	3.7434
66	3.1838	3.2341	3.2844	3.3347	3.3849	3.4350
64	2.9422	2.9888	3.0352	3.0816	3.1280	3.1743
62	2.7354	2.7787	2.8219	2.8650	2.9081	2.9512
60	2.5565	2.5969	2.6372	2.6776	2.7178	2.7580
58	2.4001	2.4380	2.4759	2.5137	2.5515	2.5893
56	2.2624	2.2981	2.3338	2.3694	2.4050	2.4406
54	2.1401	2.1739	2.2077	2.2414	2.2751	2.3087
52	2.0310	2.0630	2.0950	2.1270	2.1589	2.1909
50	1.9329	1.9634	1.9939	2.0243	2.0547	2.0850
48	1.8444	1.8735	1.9025	1.9315	1.9605	1.9895
46	1.7641	1.7919	1.8197	1.8474	1.8751	1.9028
44	1.6910	1.7176	1.7442	1.7708	1.7973	1.8238
42	1.6241	1.6497	1.6752	1.7007	1.7262	1.7516
40	1.5627	1.5873	1.6119	1.6364	1.6609	1.6854
38	1.5063	1.5300	1.5536	1.5772	1.6008	1.6244
36	1.4542	1.4770	1.4998	1.5226	1.5454	1.5681
34	1.4059	1.4280	1.4500	1.4720	1.4941	1.5160
32	1.3612	1.3825	1.4038	1.4251	1.4464	1.4677
30	1.3195	1.3402	1.3609	1.3815	1.4021	1.4227
28	1.2808	1.3008	1.3209	1.3409	1.3609	1.3808
26	1.2446	1.2640	1.2835	1.3029	1.3223	1.3417
24	1.2107	1.2296	1.2485	1.2674	1.2863	1.3051
22	1.1790	1.1974	1.2158	1.2341	1.2525	1.2708
20	1.1492	1.1671	1.1851	1.2029	1.2208	1.2387
18	1.1213	1.1387	1.1562	1.1736	1.1910	1.2084
16	1.0950	1.1120	1.1290	1.1460	1.1630	1.1800
14	1.0702	1.0868	1.1034	1.1201	1.1366	1.1532
12	1.0469	1.0631	1.0793	1.0955	1.1118	1.1279
10	1.0248	1.0407	1.0566	1.0724	1.0883	1.1041
8	1.0041	1.0196	1.0351	1.0506	1.0661	1.0816
6	0.9844	0.9996	1.0148	1.0300	1.0451	1.0603
4	0.9658	0.9807	0.9956	1.0104	1.0253	1.0401
2	0.9482	0.9628	0.9774	0.9919	1.0065	1.0211
0	0.9316	0.9459	0.9602	0.9744	0.9887	1.0030

Table 3

$\alpha \backslash \rho_0$	0.90	0.92	0.94	0.96	0.98	1.00
-2	0.9158	0.9298	0.9438	0.9578	0.9719	0.9859
-4	0.9008	0.9146	0.9284	0.9421	0.9559	0.9696
-6	0.8867	0.9002	0.9137	0.9272	0.9408	0.9543
-8	0.8733	0.8866	0.8999	0.9131	0.9264	0.9397
-10	0.8606	0.8736	0.8867	0.8997	0.9128	0.9258
-12	0.8486	0.8614	0.8742	0.8871	0.8999	0.9127
-14	0.8372	0.8498	0.8624	0.8750	0.8877	0.9003
-16	0.8264	0.8388	0.8512	0.8637	0.8761	0.8885
-18	0.8162	0.8284	0.8407	0.8529	0.8651	0.8774
-20	0.8066	0.8186	0.8307	0.8427	0.8547	0.8668
-22	0.7975	0.8094	0.8212	0.8331	0.8450	0.8568
-24	0.7889	0.8006	0.8123	0.8240	0.8357	0.8474
-26	0.7809	0.7924	0.8039	0.8154	0.8270	0.8385
-28	0.7733	0.7847	0.7960	0.8074	0.8188	0.8301
-30	0.7663	0.7774	0.7886	0.7998	0.8110	0.8223
-32	0.7596	0.7707	0.7817	0.7928	0.8038	0.8149
-34	0.7535	0.7644	0.7753	0.7861	0.7970	0.8080
-36	0.7478	0.7585	0.7693	0.7800	0.7908	0.8015
-38	0.7426	0.7531	0.7637	0.7743	0.7849	0.7956
-40	0.7378	0.7482	0.7586	0.7691	0.7796	0.7901
-42	0.7334	0.7437	0.7540	0.7643	0.7746	0.7850
-44	0.7296	0.7397	0.7498	0.7600	0.7702	0.7804
-46	0.7261	0.7361	0.7461	0.7561	0.7662	0.7762
-48	0.7231	0.7330	0.7428	0.7527	0.7626	0.7725
-50	0.7206	0.7303	0.7400	0.7498	0.7595	0.7693
-52	0.7186	0.7281	0.7377	0.7473	0.7569	0.7666
-54	0.7171	0.7265	0.7358	0.7453	0.7548	0.7643
-56	0.7161	0.7253	0.7345	0.7438	0.7531	0.7625
-58	0.7156	0.7247	0.7337	0.7429	0.7520	0.7612
-60				0.7424	0.7515	0.7605
-62						
-64						
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\alpha \backslash \rho_0$	1.02	1.04	1.06	1.08	1.10	1.12
88	41.5553	42.1524	42.7489	43.3448	43.9401	44.5349
86	20.7804	21.0790	21.3773	21.6752	21.9729	22.2704
84	13.8567	14.0558	14.2547	14.4534	14.6518	14.8502
82	10.3957	10.5451	10.6943	10.8434	10.9923	11.1410
80	8.3199	8.4394	8.5588	8.6781	8.7973	8.9164
78	6.9367	7.0363	7.1358	7.2353	7.3346	7.4339
76	5.9491	6.0346	6.1200	6.2052	6.2904	6.3755
74	5.2090	5.2838	5.3585	5.4332	5.5078	5.5823
72	4.6337	4.7002	4.7667	4.8331	4.8995	4.9657
70	4.1739	4.2338	4.2937	4.3535	4.4132	4.4729
68	3.7980	3.8525	3.9070	3.9614	4.0157	4.0701
66	3.4851	3.5351	3.5850	3.6350	3.6848	3.7347
64	3.2206	3.2668	3.3130	3.3591	3.4052	3.4512
62	2.9942	3.0371	3.0800	3.1229	3.1657	3.2085
60	2.7982	2.8383	2.8784	2.9185	2.9585	2.9985
58	2.6270	2.6646	2.7023	2.7399	2.7774	2.8150
56	2.4761	2.5116	2.5471	2.5825	2.6179	2.6533
54	2.3423	2.3758	2.4094	2.4429	2.4764	2.5098
52	2.2227	2.2546	2.2864	2.3182	2.3499	2.3816
50	2.1153	2.1456	2.1759	2.2061	2.2364	2.2665
48	2.0184	2.0473	2.0761	2.1050	2.1338	2.1626
46	1.9304	1.9581	1.9857	2.0132	2.0408	2.0683
44	1.8503	1.8768	1.9032	1.9297	1.9560	1.9824
42	1.7771	1.8025	1.8279	1.8532	1.8786	1.9039
40	1.7099	1.7343	1.7587	1.7831	1.8075	1.8318
38	1.6480	1.6715	1.6950	1.7185	1.7420	1.7655
36	1.5909	1.6136	1.6363	1.6589	1.6816	1.7042
34	1.5380	1.5599	1.5819	1.6038	1.6257	1.6475
32	1.4889	1.5102	1.5314	1.5526	1.5738	1.5949
30	1.4433	1.4639	1.4844	1.5050	1.5255	1.5460
28	1.4008	1.4207	1.4407	1.4606	1.4805	1.5004
26	1.3611	1.3805	1.3998	1.4192	1.4385	1.4578
24	1.3240	1.3428	1.3616	1.3804	1.3992	1.4179
22	1.2892	1.3075	1.3258	1.3441	1.3624	1.3806
20	1.2565	1.2744	1.2922	1.3100	1.3278	1.3456
18	1.2258	1.2432	1.2606	1.2780	1.2953	1.3126
16	1.1970	1.2139	1.2309	1.2478	1.2647	1.2816
14	1.1698	1.1863	1.2029	1.2194	1.2359	1.2525
12	1.1441	1.1603	1.1765	1.1926	1.2088	1.2249
10	1.1199	1.1357	1.1515	1.1673	1.1831	1.1989
8	1.0971	1.1125	1.1280	1.1434	1.1589	1.1743
6	1.0754	1.0906	1.1057	1.1209	1.1360	1.1511
4	1.0550	1.0698	1.0847	1.0995	1.1143	1.1291
2	1.0356	1.0501	1.0647	1.0792	1.0938	1.1083
0	1.0173	1.0315	1.0458	1.0600	1.0743	1.0885

Table 3

ρ_0 α	1.02	1.04	1.06	1.08	1.10	1.12
-2	0.9999	1.0139	1.0279	1.0419	1.0558	1.0698
-4	0.9834	0.9971	1.0109	1.0246	1.0383	1.0521
-6	0.9678	0.9813	0.9948	1.0083	1.0218	1.0352
-8	0.9529	0.9662	0.9795	0.9927	1.0060	1.0193
-10	0.9389	0.9519	0.9650	0.9780	0.9911	1.0041
-12	0.9255	0.9384	0.9512	0.9640	0.9769	0.9897
-14	0.9129	0.9255	0.9382	0.9508	0.9634	0.9761
-16	0.9009	0.9134	0.9258	0.9382	0.9507	0.9631
-18	0.8896	0.9018	0.9141	0.9263	0.9386	0.9508
-20	0.8788	0.8909	0.9030	0.9150	0.9271	0.9392
-22	0.8687	0.8806	0.8925	0.9043	0.9162	0.9281
-24	0.8591	0.8708	0.8825	0.8942	0.9060	0.9177
-26	0.8500	0.8616	0.8731	0.8847	0.8963	0.9078
-28	0.8415	0.8529	0.8643	0.8757	0.8871	0.8985
-30	0.8335	0.8447	0.8559	0.8672	0.8784	0.8897
-32	0.8259	0.8370	0.8481	0.8592	0.8703	0.8814
-34	0.8189	0.8298	0.8408	0.8517	0.8627	0.8737
-36	0.8123	0.8231	0.8339	0.8447	0.8555	0.8664
-38	0.8062	0.8169	0.8275	0.8382	0.8489	0.8596
-40	0.8005	0.8111	0.8216	0.8321	0.8427	0.8533
-42	0.7954	0.8057	0.8161	0.8265	0.8370	0.8474
-44	0.7906	0.8009	0.8111	0.8214	0.8317	0.8420
-46	0.7863	0.7964	0.8066	0.8167	0.8269	0.8371
-48	0.7825	0.7925	0.8025	0.8125	0.8225	0.8326
-50	0.7791	0.7890	0.7988	0.8087	0.8187	0.8286
-52	0.7762	0.7860	0.7957	0.8055	0.8152	0.8251
-54	0.7738	0.7834	0.7930	0.8026	0.8123	0.8220
-56	0.7719	0.7813	0.7908	0.8003	0.8098	0.8194
-58	0.7705	0.7798	0.7891	0.7985	0.8079	0.8173
-60	0.7696	0.7787	0.7879	0.7971	0.8064	0.8157
-62	0.7693	0.7782	0.7873	0.7964	0.8055	0.8146
-64					0.8051	0.8141
-66						
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	1.14	1.16	1.18	1.20	1.22	1.24
88	45.1291	45.7228	46.3160	46.9088	47.5011	48.0929
86	22.5675	22.8644	23.1610	23.4575	23.7536	24.0496
84	15.0483	15.2463	15.4441	15.6417	15.8392	16.0365
82	11.2897	11.4382	11.5866	11.7349	11.8830	12.0311
80	9.0353	9.1542	9.2729	9.3916	9.5101	9.6286
78	7.5330	7.6321	7.7311	7.8301	7.9289	8.0277
76	6.4606	6.5456	6.6305	6.7153	6.8001	6.8848
74	5.6567	5.7311	5.8055	5.8797	5.9540	6.0281
72	5.0320	5.0981	5.1643	5.2303	5.2963	5.3623
70	4.5326	4.5922	4.6517	4.7112	4.7707	4.8301
68	4.1243	4.1785	4.2327	4.2869	4.3410	4.3950
66	3.7845	3.8342	3.8839	3.9336	3.9832	4.0328
64	3.4972	3.5432	3.5891	3.6350	3.6809	3.7267
62	3.2513	3.2940	3.3367	3.3794	3.4220	3.4646
60	3.0385	3.0784	3.1183	3.1581	3.1980	3.2378
58	2.8525	2.8899	2.9274	2.9648	3.0022	3.0395
56	2.6886	2.7239	2.7592	2.7945	2.8297	2.8649
54	2.5432	2.5766	2.6100	2.6433	2.6767	2.7100
52	2.4134	2.4450	2.4767	2.5083	2.5399	2.5715
50	2.2967	2.3268	2.3570	2.3871	2.4171	2.4472
48	2.1914	2.2201	2.2488	2.2776	2.3062	2.3349
46	2.0958	2.1233	2.1508	2.1782	2.2057	2.2331
44	2.0088	2.0351	2.0614	2.0877	2.1140	2.1403
42	1.9292	1.9545	1.9797	2.0050	2.0302	2.0555
40	1.8561	1.8805	1.9048	1.9291	1.9533	1.9776
38	1.7889	1.8124	1.8358	1.8592	1.8826	1.9059
36	1.7268	1.7495	1.7720	1.7946	1.8172	1.8398
34	1.6694	1.6912	1.7131	1.7349	1.7567	1.7785
32	1.6161	1.6372	1.6583	1.6795	1.7006	1.7217
30	1.5665	1.5870	1.6074	1.6279	1.6483	1.6688
28	1.5203	1.5401	1.5600	1.5798	1.5997	1.6195
26	1.4771	1.4964	1.5157	1.5349	1.5542	1.5734
24	1.4367	1.4555	1.4742	1.4929	1.5117	1.5304
22	1.3989	1.4171	1.4354	1.4536	1.4718	1.4900
20	1.3634	1.3811	1.3989	1.4166	1.4344	1.4521
18	1.3300	1.3473	1.3646	1.3819	1.3992	1.4165
16	1.2986	1.3155	1.3324	1.3492	1.3661	1.3830
14	1.2690	1.2855	1.3020	1.3185	1.3349	1.3514
12	1.2410	1.2572	1.2733	1.2894	1.3055	1.3216
10	1.2147	1.2305	1.2462	1.2620	1.2777	1.2935
8	1.1898	1.2052	1.2206	1.2361	1.2515	1.2669
6	1.1662	1.1813	1.1964	1.2115	1.2266	1.2417
4	1.1439	1.1587	1.1735	1.1883	1.2031	1.2179
2	1.1228	1.1373	1.1518	1.1663	1.1809	1.1953
0	1.1028	1.1170	1.1313	1.1455	1.1597	1.1740

Table 3

$\rho_0 \backslash \alpha$	1.14	1.16	1.18	1.20	1.22	1.24
-2	1.0838	1.0978	1.1118	1.1257	1.1397	1.1537
-4	1.0658	1.0795	1.0933	1.1070	1.1207	1.1344
-6	1.0487	1.0622	1.0757	1.0892	1.1027	1.1161
-8	1.0325	1.0458	1.0590	1.0723	1.0856	1.0988
-10	1.0171	1.0302	1.0432	1.0563	1.0693	1.0823
-12	1.0025	1.0154	1.0282	1.0410	1.0539	1.0667
-14	0.9887	1.0013	1.0139	1.0266	1.0392	1.0518
-16	0.9755	0.9880	1.0004	1.0128	1.0253	1.0377
-18	0.9631	0.9753	0.9876	0.9998	1.0121	1.0243
-20	0.9512	0.9633	0.9754	0.9875	0.9995	1.0116
-22	0.9400	0.9519	0.9638	0.9758	0.9877	0.9996
-24	0.9294	0.9412	0.9529	0.9646	0.9764	0.9882
-26	0.9194	0.9310	0.9426	0.9541	0.9657	0.9773
-28	0.9099	0.9213	0.9328	0.9442	0.9556	0.9671
-30	0.9010	0.9122	0.9235	0.9348	0.9461	0.9574
-32	0.8926	0.9037	0.9148	0.9260	0.9371	0.9483
-34	0.8846	0.8956	0.9066	0.9176	0.9287	0.9397
-36	0.8772	0.8881	0.8990	0.9098	0.9207	0.9316
-38	0.8703	0.8810	0.8918	0.9025	0.9133	0.9240
-40	0.8638	0.8745	0.8850	0.8957	0.9063	0.9169
-42	0.8579	0.8683	0.8788	0.8893	0.8998	0.9103
-44	0.8523	0.8627	0.8731	0.8834	0.8938	0.9042
-46	0.8473	0.8575	0.8678	0.8780	0.8883	0.8986
-48	0.8427	0.8528	0.8629	0.8731	0.8832	0.8934
-50	0.8386	0.8486	0.8586	0.8686	0.8786	0.8887
-52	0.8349	0.8448	0.8546	0.8645	0.8745	0.8844
-54	0.8317	0.8414	0.8512	0.8610	0.8708	0.8806
-56	0.8290	0.8386	0.8482	0.8579	0.8676	0.8773
-58	0.8267	0.8363	0.8458	0.8553	0.8649	0.8745
-60	0.8250	0.8344	0.8438	0.8532	0.8627	0.8722
-62	0.8238	0.8331	0.8423	0.8516	0.8610	0.8703
-64	0.8232	0.8323	0.8414	0.8506	0.8598	0.8690
-66			0.8410	0.8500	0.8591	0.8683
-68						
-70						
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\alpha \backslash \rho_0$	1.26	1.28	1.30	1.32	1.34	1.36
88	48.6844	49.2754	49.8660	50.4563	51.0462	51.6357
86	24.3454	24.6409	24.9363	25.2314	25.5264	25.8212
84	16.2338	16.4308	16.6278	16.8246	17.0213	17.2178
82	12.1790	12.3269	12.4746	12.6223	12.7698	12.9173
80	9.7470	9.8653	9.9836	10.1018	10.2198	10.3379
78	8.1264	8.2250	8.3236	8.4221	8.5206	8.6190
76	6.9694	7.0540	7.1386	7.2230	7.3075	7.3919
74	6.1022	6.1763	6.2503	6.3243	6.3982	6.4721
72	5.4282	5.4941	5.5599	5.6257	5.6915	5.7572
70	4.8895	4.9488	5.0081	5.0673	5.1266	5.1858
68	4.4490	4.5030	4.5570	4.6109	4.6648	4.7186
66	4.0824	4.1319	4.1814	4.2309	4.2803	4.3297
64	3.7725	3.8182	3.8640	3.9097	3.9554	4.0010
62	3.5072	3.5497	3.5922	3.6347	3.6772	3.7196
60	3.2775	3.3173	3.3570	3.3967	3.4364	3.4761
58	3.0769	3.1142	3.1515	3.1888	3.2260	3.2632
56	2.9001	2.9353	2.9704	3.0055	3.0406	3.0757
54	2.7432	2.7765	2.8097	2.8429	2.8761	2.9093
52	2.6031	2.6347	2.6662	2.6977	2.7292	2.7607
50	2.4772	2.5073	2.5373	2.5673	2.5972	2.6272
48	2.3636	2.3922	2.4208	2.4494	2.4780	2.5066
46	2.2605	2.2879	2.3152	2.3426	2.3699	2.3972
44	2.1665	2.1928	2.2190	2.2452	2.2714	2.2976
42	2.0807	2.1059	2.1310	2.1562	2.1813	2.2065
40	2.0018	2.0261	2.0503	2.0745	2.0987	2.1229
38	1.9293	1.9526	1.9760	1.9993	2.0226	2.0459
36	1.8623	1.8848	1.9073	1.9298	1.9523	1.9748
34	1.8003	1.8221	1.8438	1.8656	1.8873	1.9090
32	1.7427	1.7638	1.7849	1.8059	1.8269	1.8480
30	1.6892	1.7096	1.7300	1.7504	1.7708	1.7912
28	1.6393	1.6591	1.6789	1.6987	1.7184	1.7382
26	1.5927	1.6119	1.6311	1.6504	1.6696	1.6888
24	1.5491	1.5678	1.5865	1.6052	1.6238	1.6425
22	1.5082	1.5264	1.5446	1.5628	1.5809	1.5991
20	1.4699	1.4876	1.5053	1.5230	1.5407	1.5584
18	1.4338	1.4511	1.4684	1.4856	1.5029	1.5201
16	1.3999	1.4167	1.4336	1.4504	1.4673	1.4841
14	1.3679	1.3844	1.4008	1.4173	1.4337	1.4502
12	1.3377	1.3538	1.3699	1.3860	1.4021	1.4181
10	1.3092	1.3250	1.3407	1.3564	1.3722	1.3879
8	1.2823	1.2977	1.3131	1.3285	1.3439	1.3593
6	1.2568	1.2719	1.2870	1.3021	1.3172	1.3322
4	1.2327	1.2475	1.2623	1.2771	1.2918	1.3066
2	1.2099	1.2243	1.2388	1.2533	1.2678	1.2823
0	1.1882	1.2024	1.2166	1.2309	1.2451	1.2593

Table 3

ρ_0 α	1.26	1.28	1.30	1.32	1.34	1.36
-2	1.1676	1.1816	1.1956	1.2095	1.2235	1.2374
-4	1.1481	1.1619	1.1756	1.1893	1.2030	1.2167
-6	1.1296	1.1431	1.1566	1.1701	1.1835	1.1970
-8	1.1121	1.1253	1.1386	1.1518	1.1651	1.1783
-10	1.0954	1.1084	1.1215	1.1345	1.1475	1.1606
-12	1.0795	1.0924	1.1052	1.1180	1.1308	1.1437
-14	1.0645	1.0771	1.0897	1.1024	1.1150	1.1277
-16	1.0502	1.0626	1.0751	1.0875	1.1000	1.1124
-18	1.0366	1.0489	1.0611	1.0734	1.0857	1.0979
-20	1.0237	1.0358	1.0479	1.0600	1.0721	1.0842
-22	1.0115	1.0234	1.0353	1.0473	1.0592	1.0711
-24	0.9999	1.0117	1.0234	1.0352	1.0470	1.0588
-26	0.9889	1.0005	1.0122	1.0238	1.0354	1.0470
-28	0.9786	0.9900	1.0015	1.0129	1.0244	1.0359
-30	0.9687	0.9801	0.9914	1.0027	1.0140	1.0253
-32	0.9595	0.9706	0.9818	0.9930	1.0042	1.0154
-34	0.9507	0.9618	0.9728	0.9839	0.9949	1.0060
-36	0.9425	0.9534	0.9643	0.9753	0.9862	0.9971
-38	0.9348	0.9456	0.9564	0.9672	0.9780	0.9888
-40	0.9276	0.9383	0.9489	0.9596	0.9703	0.9810
-42	0.9209	0.9314	0.9420	0.9525	0.9631	0.9737
-44	0.9146	0.9251	0.9355	0.9459	0.9564	0.9669
-46	0.9089	0.9192	0.9295	0.9398	0.9502	0.9605
-48	0.9036	0.9138	0.9240	0.9342	0.9444	0.9547
-50	0.8987	0.9088	0.9189	0.9290	0.9392	0.9493
-52	0.8944	0.9043	0.9143	0.9244	0.9344	0.9444
-54	0.8905	0.9003	0.9102	0.9201	0.9301	0.9400
-56	0.8871	0.8968	0.9066	0.9164	0.9262	0.9361
-58	0.8841	0.8938	0.9035	0.9132	0.9229	0.9326
-60	0.8817	0.8912	0.9008	0.9104	0.9200	0.9296
-62	0.8797	0.8892	0.8986	0.9081	0.9176	0.9271
-64	0.8783	0.8876	0.8970	0.9063	0.9157	0.9251
-66	0.8774	0.8866	0.8958	0.9051	0.9144	0.9237
-68	0.8771	0.8861	0.8952	0.9044	0.9136	0.9228
-70						0.9224
-72						
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\alpha \backslash \rho_0$	1.38	1.40	1.42	1.44	1.46	1.48
88	52.2249	52.8137	53.4023	53.9905	54.5784	55.1660
86	26.1158	26.4103	26.7046	26.9987	27.2927	27.5866
84	17.4143	17.6107	17.8069	18.0030	18.1991	18.3950
82	13.0647	13.2120	13.3592	13.5063	13.6534	13.8004
80	10.4558	10.5737	10.6915	10.8093	10.9270	11.0446
78	8.7173	8.8156	8.9138	9.0120	9.1101	9.2082
76	7.4762	7.5605	7.6447	7.7289	7.8131	7.8972
74	6.5459	6.6197	6.6935	6.7672	6.8409	6.9145
72	5.8229	5.8885	5.9541	6.0197	6.0852	6.1507
70	5.2449	5.3040	5.3631	5.4222	5.4812	5.5402
68	4.7725	4.8262	4.8800	4.9337	4.9874	5.0411
66	4.3791	4.4285	4.4778	4.5271	4.5764	4.6257
64	4.0467	4.0923	4.1378	4.1834	4.2289	4.2745
62	3.7620	3.8044	3.8468	3.8892	3.9315	3.9738
60	3.5157	3.5553	3.5949	3.6345	3.6740	3.7136
58	3.3004	3.3376	3.3748	3.4119	3.4491	3.4862
56	3.1108	3.1458	3.1809	3.2159	3.2509	3.2858
54	2.9425	2.9756	3.0088	3.0419	3.0750	3.1081
52	2.7921	2.8236	2.8550	2.8865	2.9179	2.9493
50	2.6571	2.6870	2.7169	2.7468	2.7767	2.8066
48	2.5352	2.5637	2.5922	2.6208	2.6493	2.6778
46	2.4246	2.4518	2.4791	2.5064	2.5337	2.5609
44	2.3238	2.3499	2.3761	2.4022	2.4283	2.4544
42	2.2316	2.2567	2.2818	2.3069	2.3320	2.3571
40	2.1470	2.1712	2.1954	2.2195	2.2436	2.2677
38	2.0692	2.0925	2.1157	2.1390	2.1622	2.1855
36	1.9973	2.0198	2.0422	2.0647	2.0871	2.1095
34	1.9307	1.9525	1.9742	1.9959	2.0176	2.0392
32	1.8690	1.8900	1.9110	1.9320	1.9530	1.9740
30	1.8115	1.8319	1.8523	1.8726	1.8929	1.9133
28	1.7580	1.7777	1.7975	1.8172	1.8370	1.8567
26	1.7080	1.7271	1.7463	1.7655	1.7847	1.8038
24	1.6611	1.6798	1.6985	1.7171	1.7357	1.7544
22	1.6173	1.6354	1.6536	1.6717	1.6899	1.7080
20	1.5761	1.5938	1.6115	1.6291	1.6468	1.6645
18	1.5374	1.5546	1.5719	1.5891	1.6063	1.6236
16	1.5009	1.5178	1.5346	1.5514	1.5682	1.5850
14	1.4666	1.4831	1.4995	1.5159	1.5323	1.5487
12	1.4342	1.4503	1.4663	1.4824	1.4985	1.5145
10	1.4036	1.4193	1.4350	1.4507	1.4664	1.4821
8	1.3747	1.3900	1.4054	1.4208	1.4362	1.4515
6	1.3473	1.3624	1.3774	1.3925	1.4075	1.4226
4	1.3214	1.3361	1.3509	1.3657	1.3804	1.3952
2	1.2968	1.3113	1.3258	1.3402	1.3547	1.3692
0	1.2735	1.2877	1.3019	1.3161	1.3303	1.3446

Table 3

$\rho_0 \backslash \alpha$	1.38	1.40	1.42	1.44	1.46	1.48
-2	1.2514	1.2654	1.2793	1.2933	1.3072	1.3212
-4	1.2304	1.2441	1.2578	1.2716	1.2852	1.2990
-6	1.2105	1.2240	1.2374	1.2509	1.2644	1.2779
-8	1.1916	1.2048	1.2181	1.2313	1.2446	1.2578
-10	1.1736	1.1866	1.1997	1.2127	1.2258	1.2388
-12	1.1565	1.1694	1.1822	1.1950	1.2079	1.2207
-14	1.1403	1.1529	1.1656	1.1782	1.1909	1.2035
-16	1.1249	1.1373	1.1498	1.1622	1.1747	1.1872
-18	1.1102	1.1225	1.1348	1.1470	1.1593	1.1716
-20	1.0963	1.1084	1.1205	1.1326	1.1447	1.1568
-22	1.0831	1.0950	1.1070	1.1189	1.1308	1.1428
-24	1.0705	1.0823	1.0941	1.1059	1.1177	1.1295
-26	1.0586	1.0703	1.0819	1.0935	1.1052	1.1168
-28	1.0474	1.0589	1.0703	1.0818	1.0933	1.1048
-30	1.0367	1.0480	1.0594	1.0707	1.0821	1.0935
-32	1.0266	1.0378	1.0490	1.0603	1.0715	1.0827
-34	1.0171	1.0281	1.0392	1.0503	1.0614	1.0725
-36	1.0081	1.0190	1.0300	1.0410	1.0519	1.0629
-38	0.9996	1.0105	1.0213	1.0322	1.0430	1.0539
-40	0.9917	1.0024	1.0131	1.0239	1.0346	1.0454
-42	0.9843	0.9949	1.0055	1.0161	1.0267	1.0374
-44	0.9773	0.9878	0.9983	1.0088	1.0194	1.0299
-46	0.9709	0.9813	0.9917	1.0021	1.0125	1.0229
-48	0.9650	0.9752	0.9855	0.9958	1.0061	1.0164
-50	0.9595	0.9696	0.9798	0.9900	1.0002	1.0105
-52	0.9545	0.9646	0.9746	0.9847	0.9948	1.0050
-54	0.9500	0.9599	0.9699	0.9799	0.9899	1.0000
-56	0.9459	0.9558	0.9657	0.9756	0.9855	0.9954
-58	0.9423	0.9521	0.9619	0.9717	0.9815	0.9914
-60	0.9393	0.9489	0.9586	0.9684	0.9781	0.9878
-62	0.9367	0.9463	0.9559	0.9655	0.9751	0.9848
-64	0.9346	0.9441	0.9536	0.9631	0.9726	0.9822
-66	0.9330	0.9424	0.9518	0.9612	0.9707	0.9801
-68	0.9320	0.9413	0.9506	0.9599	0.9692	0.9786
-70	0.9315	0.9407	0.9499	0.9591	0.9683	0.9776
-72					0.9680	0.9772
-74						
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\alpha \backslash \rho_0$	1.50	1.52	1.54	1.56	1.58	1.60
88	55.7533	56.3404	56.9272	57.5137	58.1000	58.6860
86	27.8803	28.1738	28.4673	28.7606	29.0537	29.3468
84	18.5908	18.7866	18.9823	19.1778	19.3733	19.5687
82	13.9473	14.0942	14.2410	14.3877	14.5344	14.6810
80	11.1622	11.2797	11.3972	11.5146	11.6320	11.7493
78	9.3062	9.4042	9.5022	9.6001	9.6979	9.7957
76	7.9812	8.0653	8.1493	8.2332	8.3172	8.4010
74	6.9881	7.0617	7.1352	7.2087	7.2822	7.3557
72	6.2162	6.2817	6.3471	6.4125	6.4778	6.5432
70	5.5992	5.6581	5.7171	5.7760	5.8348	5.8937
68	5.0948	5.1484	5.2021	5.2556	5.3092	5.3628
66	4.6749	4.7241	4.7733	4.8225	4.8716	4.9207
64	4.3200	4.3654	4.4109	4.4563	4.5017	4.5471
62	4.0161	4.0584	4.1006	4.1429	4.1851	4.2273
60	3.7531	3.7926	3.8321	3.8716	3.9110	3.9504
58	3.5233	3.5604	3.5974	3.6345	3.6715	3.7086
56	3.3208	3.3558	3.3907	3.4256	3.4605	3.4954
54	3.1411	3.1742	3.2072	3.2402	3.2733	3.3063
52	2.9806	3.0120	3.0434	3.0747	3.1060	3.1373
50	2.8364	2.8663	2.8961	2.9260	2.9558	2.9856
48	2.7063	2.7347	2.7632	2.7916	2.8201	2.8485
46	2.5882	2.6154	2.6426	2.6698	2.6970	2.7242
44	2.4805	2.5066	2.5327	2.5588	2.5849	2.6109
42	2.3822	2.4072	2.4323	2.4573	2.4823	2.5073
40	2.2919	2.3160	2.3400	2.3641	2.3882	2.4123
38	2.2087	2.2319	2.2552	2.2784	2.3016	2.3248
36	2.1320	2.1544	2.1768	2.1992	2.2216	2.2440
34	2.0609	2.0826	2.1042	2.1259	2.1475	2.1692
32	1.9949	2.0159	2.0369	2.0578	2.0788	2.0997
30	1.9336	1.9539	1.9742	1.9945	2.0148	2.0351
28	1.8764	1.8961	1.9158	1.9355	1.9552	1.9749
26	1.8230	1.8421	1.8613	1.8804	1.8995	1.9186
24	1.7730	1.7916	1.8102	1.8288	1.8474	1.8660
22	1.7261	1.7443	1.7624	1.7805	1.7986	1.8167
20	1.6821	1.6998	1.7174	1.7351	1.7527	1.7704
18	1.6408	1.6580	1.6752	1.6924	1.7096	1.7268
16	1.6019	1.6187	1.6355	1.6523	1.6690	1.6858
14	1.5652	1.5816	1.5980	1.6144	1.6308	1.6472
12	1.5305	1.5466	1.5626	1.5787	1.5947	1.6107
10	1.4978	1.5135	1.5292	1.5449	1.5606	1.5763
8	1.4669	1.4823	1.4976	1.5130	1.5283	1.5437
6	1.4376	1.4527	1.4677	1.4828	1.4978	1.5129
4	1.4099	1.4247	1.4394	1.4542	1.4689	1.4837
2	1.3837	1.3981	1.4126	1.4271	1.4415	1.4560
0	1.3588	1.3729	1.3871	1.4014	1.4156	1.4298

Table 3

$\alpha \backslash \rho_0$	1.50	1.52	1.54	1.56	1.58	1.60
-2	1.3351	1.3491	1.3630	1.3770	1.3909	1.4048
-4	1.3127	1.3264	1.3401	1.3538	1.3675	1.3812
-6	1.2913	1.3048	1.3183	1.3318	1.3452	1.3587
-8	1.2711	1.2843	1.2976	1.3108	1.3241	1.3373
-10	1.2518	1.2649	1.2779	1.2910	1.3040	1.3170
-12	1.2335	1.2464	1.2592	1.2720	1.2849	1.2977
-14	1.2161	1.2288	1.2414	1.2541	1.2667	1.2794
-16	1.1996	1.2121	1.2245	1.2370	1.2495	1.2619
-18	1.1839	1.1962	1.2085	1.2207	1.2330	1.2453
-20	1.1690	1.1811	1.1932	1.2053	1.2174	1.2295
-22	1.1547	1.1667	1.1787	1.1906	1.2026	1.2145
-24	1.1413	1.1531	1.1649	1.1767	1.1885	1.2003
-26	1.1285	1.1401	1.1518	1.1634	1.1751	1.1868
-28	1.1163	1.1278	1.1393	1.1509	1.1624	1.1739
-30	1.1048	1.1162	1.1276	1.1390	1.1503	1.1617
-32	1.0939	1.1052	1.1164	1.1277	1.1389	1.1502
-34	1.0836	1.0947	1.1059	1.1170	1.1281	1.1392
-36	1.0739	1.0849	1.0959	1.1069	1.1179	1.1289
-38	1.0647	1.0756	1.0865	1.0974	1.1082	1.1191
-40	1.0561	1.0669	1.0776	1.0884	1.0992	1.1100
-42	1.0480	1.0586	1.0693	1.0800	1.0906	1.1013
-44	1.0404	1.0510	1.0615	1.0721	1.0826	1.0932
-46	1.0333	1.0438	1.0542	1.0647	1.0751	1.0856
-48	1.0268	1.0371	1.0475	1.0578	1.0682	1.0785
-50	1.0207	1.0309	1.0412	1.0514	1.0617	1.0720
-52	1.0151	1.0252	1.0354	1.0456	1.0557	1.0659
-54	1.0100	1.0201	1.0301	1.0402	1.0503	1.0604
-56	1.0054	1.0153	1.0253	1.0353	1.0453	1.0553
-58	1.0013	1.0111	1.0210	1.0309	1.0408	1.0507
-60	0.9976	1.0074	1.0172	1.0270	1.0368	1.0466
-62	0.9944	1.0041	1.0139	1.0236	1.0333	1.0431
-64	0.9918	1.0014	1.0110	1.0206	1.0303	1.0400
-66	0.9896	0.9991	1.0087	1.0182	1.0278	1.0374
-68	0.9880	0.9974	1.0069	1.0163	1.0258	1.0353
-70	0.9869	0.9962	1.0056	1.0150	1.0244	1.0338
-72	0.9863	0.9956	1.0049	1.0141	1.0234	1.0328
-74					1.0231	1.0323
-76						
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\alpha \backslash \rho_0$	1.62	1.64	1.66	1.68	1.70	1.72
88	59.2718	59.8574	60.4427	61.0278	61.6128	62.1975
86	29.6397	29.9326	30.2253	30.5179	30.8103	31.1027
84	19.7641	19.9593	20.1545	20.3496	20.5446	20.7396
82	14.8275	14.9740	15.1204	15.2668	15.4131	15.5594
80	11.8666	11.9838	12.1010	12.2182	12.3353	12.4523
78	9.8935	9.9913	10.0890	10.1866	10.2843	10.3819
76	8.4849	8.5687	8.6525	8.7363	8.8200	8.9037
74	7.4291	7.5025	7.5758	7.6492	7.7225	7.7958
72	6.6085	6.6738	6.7390	6.8042	6.8695	6.9347
70	5.9525	6.0113	6.0701	6.1288	6.1876	6.2463
68	5.4163	5.4698	5.5233	5.5767	5.6302	5.6836
66	4.9699	5.0190	5.0680	5.1171	5.1661	5.2152
64	4.5925	4.6379	4.6833	4.7286	4.7739	4.8192
62	4.2695	4.3117	4.3538	4.3960	4.4381	4.4802
60	3.9899	4.0293	4.0687	4.1081	4.1474	4.1868
58	3.7456	3.7825	3.8195	3.8565	3.8935	3.9304
56	3.5303	3.5652	3.6000	3.6349	3.6697	3.7045
54	3.3393	3.3722	3.4052	3.4382	3.4711	3.5041
52	3.1686	3.1999	3.2312	3.2625	3.2937	3.3250
50	3.0154	3.0451	3.0749	3.1047	3.1344	3.1642
48	2.8769	2.9053	2.9338	2.9621	2.9905	3.0189
46	2.7514	2.7785	2.8057	2.8329	2.8600	2.8871
44	2.6370	2.6630	2.6890	2.7151	2.7411	2.7671
42	2.5323	2.5574	2.5823	2.6073	2.6323	2.6573
40	2.4363	2.4604	2.4844	2.5085	2.5325	2.5565
38	2.3479	2.3711	2.3943	2.4175	2.4406	2.4638
36	2.2663	2.2887	2.3111	2.3334	2.3558	2.3781
34	2.1908	2.2124	2.2340	2.2556	2.2772	2.2988
32	2.1207	2.1416	2.1625	2.1834	2.2043	2.2252
30	2.0554	2.0757	2.0960	2.1162	2.1365	2.1568
28	1.9946	2.0143	2.0339	2.0536	2.0733	2.0929
26	1.9378	1.9569	1.9760	1.9951	2.0142	2.0333
24	1.8846	1.9032	1.9218	1.9404	1.9590	1.9775
22	1.8348	1.8529	1.8710	1.8891	1.9071	1.9252
20	1.7880	1.8056	1.8233	1.8409	1.8585	1.8761
18	1.7440	1.7612	1.7784	1.7956	1.8128	1.8300
16	1.7026	1.7194	1.7362	1.7529	1.7697	1.7865
14	1.6636	1.6800	1.6964	1.7128	1.7291	1.7455
12	1.6267	1.6428	1.6588	1.6748	1.6908	1.7069
10	1.5920	1.6076	1.6233	1.6390	1.6547	1.6703
8	1.5591	1.5744	1.5898	1.6051	1.6204	1.6358
6	1.5279	1.5430	1.5580	1.5730	1.5881	1.6031
4	1.4984	1.5132	1.5279	1.5427	1.5574	1.5721
2	1.4705	1.4849	1.4994	1.5139	1.5283	1.5428
0	1.4439	1.4581	1.4723	1.4865	1.5007	1.5149

Table 3

$\rho_0 \backslash \alpha$	1.62	1.64	1.66	1.68	1.70	1.72
-2	1.4188	1.4327	1.4467	1.4606	1.4745	1.4885
-4	1.3949	1.4086	1.4223	1.4360	1.4497	1.4634
-6	1.3722	1.3856	1.3991	1.4126	1.4260	1.4395
-8	1.3506	1.3638	1.3771	1.3903	1.4036	1.4168
-10	1.3301	1.3431	1.3562	1.3692	1.3822	1.3953
-12	1.3106	1.3234	1.3363	1.3491	1.3619	1.3748
-14	1.2920	1.3047	1.3173	1.3300	1.3426	1.3553
-16	1.2744	1.2869	1.2993	1.3118	1.3243	1.3367
-18	1.2576	1.2699	1.2822	1.2945	1.3068	1.3191
-20	1.2417	1.2538	1.2659	1.2781	1.2902	1.3023
-22	1.2265	1.2385	1.2504	1.2624	1.2744	1.2864
-24	1.2121	1.2239	1.2357	1.2476	1.2594	1.2712
-26	1.1984	1.2101	1.2218	1.2334	1.2451	1.2568
-28	1.1854	1.1969	1.2085	1.2200	1.2316	1.2431
-30	1.1731	1.1845	1.1959	1.2073	1.2187	1.2301
-32	1.1614	1.1727	1.1840	1.1952	1.2065	1.2178
-34	1.1504	1.1615	1.1727	1.1838	1.1949	1.2061
-36	1.1399	1.1509	1.1620	1.1730	1.1840	1.1951
-38	1.1300	1.1409	1.1518	1.1628	1.1737	1.1846
-40	1.1207	1.1315	1.1423	1.1531	1.1639	1.1748
-42	1.1120	1.1227	1.1334	1.1441	1.1548	1.1655
-44	1.1038	1.1144	1.1249	1.1355	1.1461	1.1567
-46	1.0961	1.1066	1.1171	1.1276	1.1381	1.1486
-48	1.0889	1.0993	1.1097	1.1201	1.1305	1.1409
-50	1.0823	1.0926	1.1029	1.1132	1.1235	1.1338
-52	1.0761	1.0863	1.0965	1.1068	1.1170	1.1272
-54	1.0705	1.0806	1.0907	1.1009	1.1110	1.1212
-56	1.0653	1.0753	1.0854	1.0955	1.1055	1.1156
-58	1.0607	1.0706	1.0806	1.0905	1.1005	1.1105
-60	1.0565	1.0664	1.0763	1.0861	1.0960	1.1060
-62	1.0528	1.0626	1.0724	1.0822	1.0920	1.1019
-64	1.0497	1.0594	1.0691	1.0788	1.0886	1.0983
-66	1.0470	1.0566	1.0663	1.0759	1.0856	1.0953
-68	1.0449	1.0544	1.0640	1.0735	1.0831	1.0927
-70	1.0432	1.0527	1.0622	1.0717	1.0812	1.0907
-72	1.0421	1.0515	1.0609	1.0703	1.0798	1.0892
-74	1.0416	1.0509	1.0602	1.0696	1.0789	1.0883
-76					1.0786	1.0879
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\alpha \backslash \rho_0$	1.74	1.76	1.78	1.80	1.82	1.84
88	62.7820	63.3663	63.9504	64.5343	65.1181	65.7016
86	31.3950	31.6872	31.9793	32.2713	32.5632	32.8551
84	20.9345	21.1293	21.3241	21.5188	21.7135	21.9081
82	15.7056	15.8518	15.9979	16.1440	16.2900	16.4360
80	12.5694	12.6863	12.8033	12.9202	13.0371	13.1539
78	10.4794	10.5769	10.6744	10.7719	10.8694	10.9668
76	8.9874	9.0710	9.1546	9.2382	9.3218	9.4053
74	7.8690	7.9423	8.0155	8.0887	8.1618	8.2350
72	6.9998	7.0650	7.1301	7.1952	7.2603	7.3254
70	6.3050	6.3637	6.4223	6.4810	6.5396	6.5982
68	5.7370	5.7904	5.8438	5.8972	5.9505	6.0038
66	5.2642	5.3132	5.3621	5.4111	5.4600	5.5090
64	4.8645	4.9098	4.9550	5.0003	5.0455	5.0907
62	4.5223	4.5644	4.6065	4.6485	4.6906	4.7326
60	4.2261	4.2655	4.3048	4.3441	4.3834	4.4227
58	3.9674	4.0043	4.0412	4.0781	4.1150	4.1519
56	3.7393	3.7741	3.8089	3.8437	3.8785	3.9132
54	3.5370	3.5699	3.6028	3.6357	3.6686	3.7015
52	3.3562	3.3875	3.4187	3.4499	3.4811	3.5124
50	3.1939	3.2236	3.2533	3.2830	3.3127	3.3424
48	3.0473	3.0756	3.1040	3.1323	3.1607	3.1890
46	2.9143	2.9414	2.9685	2.9956	3.0227	3.0498
44	2.7931	2.8191	2.8451	2.8710	2.8970	2.9230
42	2.6823	2.7072	2.7322	2.7571	2.7821	2.8070
40	2.5806	2.6046	2.6286	2.6526	2.6766	2.7006
38	2.4869	2.5101	2.5332	2.5563	2.5795	2.6026
36	2.4005	2.4228	2.4451	2.4675	2.4898	2.5121
34	2.3204	2.3420	2.3636	2.3852	2.4068	2.4283
32	2.2461	2.2670	2.2879	2.3088	2.3297	2.3506
30	2.1770	2.1973	2.2175	2.2378	2.2580	2.2782
28	2.1126	2.1322	2.1519	2.1715	2.1912	2.2108
26	2.0524	2.0715	2.0906	2.1097	2.1287	2.1478
24	1.9961	2.0147	2.0332	2.0518	2.0703	2.0889
22	1.9433	1.9614	1.9794	1.9975	2.0156	2.0336
20	1.8937	1.9113	1.9290	1.9466	1.9642	1.9817
18	1.8471	1.8643	1.8815	1.8986	1.9158	1.9330
16	1.8033	1.8200	1.8368	1.8535	1.8703	1.8870
14	1.7619	1.7783	1.7947	1.8110	1.8274	1.8438
12	1.7229	1.7389	1.7549	1.7709	1.7869	1.8029
10	1.6860	1.7017	1.7173	1.7330	1.7486	1.7643
8	1.6511	1.6665	1.6818	1.6971	1.7125	1.7278
6	1.6181	1.6332	1.6482	1.6632	1.6782	1.6932
4	1.5869	1.6016	1.6163	1.6311	1.6458	1.6605
2	1.5572	1.5717	1.5861	1.6006	1.6150	1.6295
0	1.5291	1.5433	1.5575	1.5717	1.5858	1.6000

Table 3

ρ_0 α	1.74	1.76	1.78	1.80	1.82	1.84
-2	1.5024	1.5163	1.5303	1.5442	1.5582	1.5721
-4	1.4771	1.4908	1.5044	1.5182	1.5318	1.5455
-6	1.4530	1.4664	1.4799	1.4934	1.5069	1.5203
-8	1.4301	1.4433	1.4566	1.4698	1.4831	1.4963
-10	1.4083	1.4214	1.4344	1.4474	1.4605	1.4735
-12	1.3876	1.4005	1.4133	1.4262	1.4390	1.4518
-14	1.3679	1.3806	1.3933	1.4059	1.4186	1.4312
-16	1.3492	1.3617	1.3742	1.3866	1.3991	1.4116
-18	1.3314	1.3437	1.3560	1.3683	1.3806	1.3929
-20	1.3145	1.3266	1.3387	1.3509	1.3630	1.3751
-22	1.2983	1.3103	1.3223	1.3343	1.3462	1.3582
-24	1.2830	1.2948	1.3067	1.3185	1.3303	1.3422
-26	1.2685	1.2801	1.2918	1.3035	1.3152	1.3269
-28	1.2546	1.2662	1.2777	1.2893	1.3008	1.3124
-30	1.2415	1.2529	1.2643	1.2757	1.2872	1.2986
-32	1.2290	1.2403	1.2516	1.2629	1.2742	1.2855
-34	1.2172	1.2284	1.2396	1.2507	1.2619	1.2731
-36	1.2061	1.2171	1.2282	1.2392	1.2503	1.2613
-38	1.1955	1.2065	1.2174	1.2283	1.2393	1.2502
-40	1.1856	1.1964	1.2072	1.2181	1.2289	1.2397
-42	1.1762	1.1869	1.1976	1.2084	1.2191	1.2298
-44	1.1674	1.1780	1.1886	1.1992	1.2099	1.2205
-46	1.1591	1.1696	1.1801	1.1907	1.2012	1.2118
-48	1.1514	1.1618	1.1722	1.1827	1.1931	1.2036
-50	1.1442	1.1545	1.1648	1.1752	1.1855	1.1959
-52	1.1375	1.1477	1.1580	1.1683	1.1785	1.1888
-54	1.1313	1.1415	1.1517	1.1618	1.1720	1.1822
-56	1.1257	1.1357	1.1458	1.1559	1.1661	1.1762
-58	1.1205	1.1305	1.1405	1.1506	1.1606	1.1706
-60	1.1159	1.1258	1.1357	1.1457	1.1557	1.1656
-62	1.1117	1.1216	1.1314	1.1413	1.1512	1.1611
-64	1.1081	1.1179	1.1277	1.1375	1.1473	1.1571
-66	1.1050	1.1147	1.1244	1.1341	1.1439	1.1537
-68	1.1024	1.1120	1.1217	1.1313	1.1410	1.1507
-70	1.1003	1.1098	1.1194	1.1290	1.1386	1.1483
-72	1.0987	1.1082	1.1177	1.1273	1.1368	1.1463
-74	1.0977	1.1071	1.1166	1.1260	1.1355	1.1450
-76	1.0972	1.1066	1.1160	1.1254	1.1348	1.1442
-78						
-80						
-82						
-84						
-86						
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	1.86	1.88	1.90	1.92	1.94	1.96
88	66.2850	66.8683	67.4513	68.0342	68.6170	69.1996
86	33.1468	33.4384	33.7300	34.0215	34.3129	34.6043
84	22.1026	22.2971	22.4915	22.6859	22.8802	23.0745
82	16.5819	16.7278	16.8737	17.0195	17.1653	17.3111
80	13.2707	13.3875	13.5042	13.6209	13.7376	13.8542
78	11.0641	11.1615	11.2588	11.3561	11.4534	11.5506
76	9.4889	9.5723	9.6558	9.7393	9.8227	9.9061
74	8.3081	8.3812	8.4543	8.5274	8.6004	8.6735
72	7.3904	7.4554	7.5204	7.5855	7.6504	7.7154
70	6.6568	6.7154	6.7740	6.8325	6.8910	6.9495
68	6.0571	6.1104	6.1637	6.2170	6.2703	6.3235
66	5.5579	5.6068	5.6557	5.7046	5.7535	5.8023
64	5.1359	5.1811	5.2263	5.2715	5.3167	5.3618
62	4.7747	4.8167	4.8587	4.9007	4.9427	4.9846
60	4.4620	4.5012	4.5405	4.5797	4.6190	4.6582
58	4.1887	4.2256	4.2625	4.2993	4.3361	4.3729
56	3.9480	3.9827	4.0175	4.0522	4.0869	4.1216
54	3.7344	3.7672	3.8001	3.8329	3.8658	3.8986
52	3.5435	3.5747	3.6059	3.6371	3.6682	3.6994
50	3.3721	3.4018	3.4315	3.4611	3.4908	3.5204
48	3.2173	3.2456	3.2739	3.3022	3.3305	3.3588
46	3.0769	3.1040	3.1310	3.1581	3.1852	3.2122
44	2.9489	2.9749	3.0008	3.0268	3.0527	3.0787
42	2.8319	2.8569	2.8818	2.9067	2.9316	2.9565
40	2.7246	2.7485	2.7725	2.7965	2.8204	2.8444
38	2.6257	2.6488	2.6719	2.6950	2.7181	2.7412
36	2.5344	2.5567	2.5790	2.6013	2.6236	2.6459
34	2.4499	2.4715	2.4930	2.5146	2.5361	2.5577
32	2.3715	2.3923	2.4132	2.4341	2.4549	2.4758
30	2.2985	2.3187	2.3389	2.3591	2.3794	2.3996
28	2.2304	2.2501	2.2697	2.2893	2.3089	2.3286
26	2.1669	2.1860	2.2050	2.2241	2.2432	2.2622
24	2.1074	2.1260	2.1445	2.1630	2.1816	2.2001
22	2.0517	2.0697	2.0878	2.1058	2.1239	2.1419
20	1.9993	2.0169	2.0345	2.0521	2.0697	2.0873
18	1.9501	1.9673	1.9844	2.0016	2.0188	2.0359
16	1.9038	1.9206	1.9373	1.9540	1.9708	1.9875
14	1.8601	1.8765	1.8928	1.9092	1.9256	1.9419
12	1.8189	1.8349	1.8509	1.8669	1.8829	1.8989
10	1.7800	1.7956	1.8113	1.8269	1.8426	1.8582
8	1.7431	1.7584	1.7738	1.7891	1.8044	1.8197
6	1.7083	1.7233	1.7383	1.7533	1.7683	1.7833
4	1.6752	1.6900	1.7047	1.7194	1.7341	1.7489
2	1.6439	1.6584	1.6728	1.6873	1.7017	1.7162
0	1.6142	1.6284	1.6426	1.6568	1.6709	1.6851

Table 3

ρ_0 α	1.86	1.88	1.90	1.92	1.94	1.96
-2	1.5860	1.5999	1.6139	1.6278	1.6417	1.6557
-4	1.5592	1.5729	1.5866	1.6003	1.6140	1.6277
-6	1.5338	1.5472	1.5607	1.5742	1.5876	1.6011
-8	1.5096	1.5228	1.5361	1.5493	1.5626	1.5758
-10	1.4866	1.4996	1.5127	1.5257	1.5387	1.5518
-12	1.4647	1.4775	1.4904	1.5032	1.5161	1.5289
-14	1.4439	1.4565	1.4692	1.4818	1.4945	1.5072
-16	1.4241	1.4365	1.4490	1.4615	1.4740	1.4865
-18	1.4052	1.4175	1.4298	1.4421	1.4544	1.4668
-20	1.3873	1.3994	1.4116	1.4237	1.4359	1.4480
-22	1.3702	1.3822	1.3942	1.4062	1.4182	1.4302
-24	1.3540	1.3658	1.3777	1.3895	1.4014	1.4132
-26	1.3386	1.3503	1.3620	1.3737	1.3854	1.3971
-28	1.3239	1.3355	1.3470	1.3586	1.3702	1.3817
-30	1.3100	1.3214	1.3329	1.3443	1.3557	1.3672
-32	1.2968	1.3081	1.3194	1.3307	1.3420	1.3533
-34	1.2843	1.2954	1.3066	1.3178	1.3290	1.3402
-36	1.2724	1.2835	1.2945	1.3056	1.3167	1.3278
-38	1.2612	1.2721	1.2831	1.2940	1.3050	1.3160
-40	1.2506	1.2614	1.2723	1.2831	1.2940	1.3048
-42	1.2406	1.2513	1.2621	1.2728	1.2836	1.2943
-44	1.2311	1.2418	1.2524	1.2631	1.2738	1.2844
-46	1.2223	1.2329	1.2434	1.2540	1.2646	1.2751
-48	1.2140	1.2245	1.2350	1.2454	1.2559	1.2664
-50	1.2063	1.2167	1.2270	1.2374	1.2478	1.2582
-52	1.1991	1.2094	1.2197	1.2300	1.2403	1.2506
-54	1.1924	1.2027	1.2129	1.2231	1.2333	1.2436
-56	1.1863	1.1964	1.2066	1.2167	1.2269	1.2371
-58	1.1807	1.1908	1.2008	1.2109	1.2210	1.2311
-60	1.1756	1.1856	1.1956	1.2056	1.2156	1.2256
-62	1.1710	1.1809	1.1909	1.2008	1.2107	1.2207
-64	1.1670	1.1768	1.1867	1.1965	1.2064	1.2163
-66	1.1634	1.1732	1.1830	1.1928	1.2026	1.2124
-68	1.1604	1.1701	1.1798	1.1896	1.1993	1.2091
-70	1.1579	1.1675	1.1772	1.1869	1.1966	1.2063
-72	1.1559	1.1655	1.1751	1.1847	1.1943	1.2040
-74	1.1545	1.1640	1.1735	1.1831	1.1927	1.2022
-76	1.1536	1.1631	1.1726	1.1820	1.1915	1.2011
-78	1.1533	1.1627	1.1721	1.1815	1.1910	1.2004
-80						
-82						
-84						
-86						
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\alpha \backslash \rho_0$	1.98	2.00	2.10	2.20	2.30	2.40
88	69.7820	70.3643	73.2738	76.1802	79.0837	81.9846
86	34.8955	35.1867	36.6417	38.0950	39.5470	40.9977
84	23.2687	23.4629	24.4330	25.4022	26.3703	27.3377
82	17.4568	17.6024	18.3303	19.0574	19.7838	20.5095
80	13.9708	14.0874	14.6699	15.2518	15.8332	16.4140
78	11.6479	11.7451	12.2308	12.7159	13.2006	13.6849
76	9.9895	10.0729	10.4894	10.9055	11.3212	11.7365
74	8.7465	8.8195	9.1842	9.5485	9.9125	10.2761
72	7.7803	7.8453	8.1697	8.4938	8.8176	9.1411
70	7.0080	7.0665	7.3588	7.6507	7.9424	8.2338
68	6.3767	6.4300	6.6959	6.9615	7.2269	7.4921
66	5.8512	5.9000	6.1440	6.3878	6.6313	6.8747
64	5.4069	5.4521	5.6776	5.9028	6.1279	6.3527
62	5.0266	5.0686	5.2782	5.4876	5.6969	5.9059
60	4.6974	4.7366	4.9325	5.1283	5.3238	5.5192
58	4.4098	4.4466	4.6305	4.8142	4.9978	5.1813
56	4.1563	4.1910	4.3644	4.5376	4.7106	4.8836
54	3.9314	3.9642	4.1282	4.2921	4.4558	4.6193
52	3.7305	3.7617	3.9173	4.0728	4.2281	4.3833
50	3.5501	3.5797	3.7278	3.8758	4.0236	4.1713
48	3.3871	3.4154	3.5567	3.6979	3.8389	3.9799
46	3.2393	3.2663	3.4015	3.5365	3.6714	3.8062
44	3.1046	3.1305	3.2600	3.3894	3.5188	3.6480
42	2.9814	3.0063	3.1307	3.2550	3.3792	3.5033
40	2.8684	2.8923	3.0120	3.1316	3.2511	3.3705
38	2.7643	2.7874	2.9027	3.0180	3.1331	3.2482
36	2.6682	2.6905	2.8018	2.9131	3.0242	3.1353
34	2.5792	2.6007	2.7084	2.8159	2.9234	3.0308
32	2.4966	2.5175	2.6217	2.7258	2.8298	2.9338
30	2.4198	2.4400	2.5410	2.6419	2.7428	2.8435
28	2.3482	2.3678	2.4658	2.5637	2.6616	2.7594
26	2.2813	2.3003	2.3955	2.4907	2.5858	2.6808
24	2.2186	2.2372	2.3298	2.4223	2.5148	2.6073
22	2.1600	2.1780	2.2682	2.3582	2.4483	2.5383
20	2.1048	2.1224	2.2103	2.2981	2.3858	2.4736
18	2.0530	2.0702	2.1559	2.2415	2.3271	2.4127
16	2.0043	2.0210	2.1046	2.1883	2.2718	2.3554
14	1.9583	1.9746	2.0563	2.1380	2.2197	2.3013
12	1.9149	1.9309	2.0108	2.0906	2.1705	2.2503
10	1.8739	1.8895	1.9677	2.0459	2.1240	2.2021
8	1.8351	1.8504	1.9270	2.0035	2.0801	2.1566
6	1.7984	1.8134	1.8884	1.9634	2.0384	2.1134
4	1.7636	1.7783	1.8519	1.9255	1.9990	2.0725
2	1.7306	1.7450	1.8172	1.8894	1.9616	2.0338
0	1.6993	1.7135	1.7844	1.8553	1.9261	1.9970

Table 3

ρ_0 α	1.98	2.00	2.10	2.20	2.30	2.40
-2	1.6696	1.6835	1.7532	1.8228	1.8924	1.9621
-4	1.6414	1.6551	1.7235	1.7920	1.8604	1.9289
-6	1.6146	1.6280	1.6954	1.7627	1.8300	1.8973
-8	1.5891	1.6023	1.6686	1.7348	1.8011	1.8673
-10	1.5648	1.5779	1.6431	1.7083	1.7736	1.8388
-12	1.5418	1.5546	1.6189	1.6831	1.7474	1.8117
-14	1.5198	1.5325	1.5958	1.6591	1.7225	1.7858
-16	1.4989	1.5114	1.5738	1.6363	1.6987	1.7612
-18	1.4791	1.4914	1.5530	1.6145	1.6762	1.7378
-20	1.4602	1.4723	1.5331	1.5939	1.6547	1.7155
-22	1.4422	1.4542	1.5141	1.5742	1.6342	1.6943
-24	1.4250	1.4369	1.4961	1.5554	1.6147	1.6741
-26	1.4088	1.4205	1.4790	1.5376	1.5962	1.6548
-28	1.3933	1.4049	1.4627	1.5206	1.5786	1.6365
-30	1.3786	1.3900	1.4472	1.5045	1.5618	1.6191
-32	1.3646	1.3759	1.4325	1.4892	1.5459	1.6026
-34	1.3514	1.3626	1.4186	1.4747	1.5308	1.5869
-36	1.3388	1.3499	1.4053	1.4608	1.5164	1.5720
-38	1.3269	1.3379	1.3928	1.4478	1.5028	1.5579
-40	1.3157	1.3266	1.3809	1.4354	1.4899	1.5445
-42	1.3051	1.3159	1.3698	1.4237	1.4777	1.5318
-44	1.2951	1.3058	1.3592	1.4127	1.4662	1.5199
-46	1.2857	1.2963	1.3492	1.4023	1.4554	1.5086
-48	1.2769	1.2874	1.3399	1.3925	1.4452	1.4980
-50	1.2686	1.2790	1.3311	1.3834	1.4356	1.4880
-52	1.2609	1.2713	1.3230	1.3748	1.4267	1.4787
-54	1.2538	1.2641	1.3154	1.3668	1.4184	1.4700
-56	1.2472	1.2574	1.3083	1.3594	1.4106	1.4619
-58	1.2412	1.2513	1.3019	1.3526	1.4034	1.4544
-60	1.2356	1.2457	1.2959	1.3463	1.3969	1.4475
-62	1.2306	1.2406	1.2905	1.3406	1.3909	1.4412
-64	1.2262	1.2361	1.2857	1.3355	1.3854	1.4354
-66	1.2222	1.2321	1.2814	1.3309	1.3805	1.4303
-68	1.2188	1.2286	1.2776	1.3268	1.3762	1.4257
-70	1.2160	1.2257	1.2744	1.3233	1.3724	1.4217
-72	1.2136	1.2233	1.2717	1.3204	1.3693	1.4183
-74	1.2118	1.2214	1.2696	1.3180	1.3666	1.4154
-76	1.2106	1.2201	1.2680	1.3162	1.3646	1.4131
-78	1.2099	1.2194	1.2670	1.3149	1.3631	1.4115
-80			1.2666	1.3143	1.3622	1.4104
-82						1.4099
-84						
-86						
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\alpha \backslash \rho_0$	2.50	2.60	2.70	2.80	2.90	3.00
88	84.8833	87.7800	90.6747	93.5677	96.4592	99.3492
86	42.4472	43.8957	45.3433	46.7900	48.2359	49.6811
84	28.3043	29.2702	30.2354	31.2001	32.1643	33.1280
82	21.2347	21.9593	22.6835	23.4073	24.1306	24.8537
80	16.9944	17.5744	18.1539	18.7332	19.3121	19.8908
78	14.1687	14.6523	15.1355	15.6185	16.1012	16.5837
76	12.1515	12.5662	12.9807	13.3949	13.8089	14.2227
74	10.6395	11.0027	11.3656	11.7282	12.0907	12.4531
72	9.4643	9.7874	10.1102	10.4329	10.7554	11.0777
70	8.5250	8.8160	9.1068	9.3974	9.6879	9.9783
68	7.7571	8.0219	8.2865	8.5510	8.8153	9.0796
66	7.1178	7.3608	7.6036	7.8463	8.0889	8.3314
64	6.5775	6.8020	7.0264	7.2507	7.4749	7.6990
62	6.1149	6.3236	6.5323	6.7408	6.9493	7.1576
60	5.7145	5.9096	6.1046	6.2995	6.4943	6.6890
58	5.3646	5.5478	5.7309	5.9138	6.0968	6.2796
56	5.0563	5.2290	5.4016	5.5741	5.7465	5.9188
54	4.7828	4.9461	5.1094	5.2726	5.4357	5.5987
52	4.5385	4.6935	4.8484	5.0033	5.1581	5.3128
50	4.3190	4.4665	4.6140	4.7613	4.9087	5.0559
48	4.1208	4.2615	4.4023	4.5429	4.6835	4.8240
46	3.9410	4.0756	4.2102	4.3447	4.4792	4.6136
44	3.7771	3.9062	4.0352	4.1642	4.2930	4.4219
42	3.6273	3.7513	3.8752	3.9990	4.1228	4.2466
40	3.4898	3.6091	3.7283	3.8475	3.9666	4.0857
38	3.3633	3.4782	3.5931	3.7080	3.8228	3.9376
36	3.2464	3.3574	3.4683	3.5792	3.6900	3.8008
34	3.1382	3.2455	3.3527	3.4599	3.5671	3.6742
32	3.0377	3.1416	3.2454	3.3492	3.4530	3.5567
30	2.9443	3.0450	3.1456	3.2463	3.3468	3.4474
28	2.8572	2.9549	3.0526	3.1503	3.2479	3.3455
26	2.7758	2.8708	2.9657	3.0606	3.1554	3.2503
24	2.6996	2.7920	2.8843	2.9766	3.0689	3.1612
22	2.6283	2.7182	2.8081	2.8980	2.9878	3.0776
20	2.5612	2.6489	2.7365	2.8241	2.9117	2.9992
18	2.4982	2.5837	2.6692	2.7547	2.8401	2.9255
16	2.4389	2.5224	2.6058	2.6892	2.7727	2.8561
14	2.3829	2.4645	2.5461	2.6276	2.7091	2.7906
12	2.3301	2.4099	2.4897	2.5694	2.6491	2.7288
10	2.2802	2.3583	2.4364	2.5144	2.5925	2.6705
8	2.2331	2.3095	2.3860	2.4624	2.5388	2.6153
6	2.1884	2.2633	2.3383	2.4132	2.4881	2.5630
4	2.1461	2.2196	2.2930	2.3665	2.4400	2.5135
2	2.1059	2.1780	2.2502	2.3223	2.3944	2.4665
0	2.0678	2.1387	2.2095	2.2803	2.3511	2.4219

Table 3

$\alpha \backslash \rho_0$	2.50	2.60	2.70	2.80	2.90	3.00
-2	2.0317	2.1013	2.1709	2.2404	2.3100	2.3796
-4	1.9973	2.0657	2.1341	2.2026	2.2710	2.3394
-6	1.9646	2.0319	2.0993	2.1666	2.2339	2.3012
-8	1.9336	1.9998	2.0661	2.1323	2.1986	2.2648
-10	1.9040	1.9693	2.0345	2.0998	2.1650	2.2303
-12	1.8759	1.9402	2.0045	2.0688	2.1331	2.1974
-14	1.8492	1.9125	1.9759	2.0393	2.1026	2.1660
-16	1.8237	1.8862	1.9487	2.0112	2.0737	2.1362
-18	1.7994	1.8611	1.9227	1.9844	2.0461	2.1078
-20	1.7763	1.8372	1.8981	1.9589	2.0198	2.0807
-22	1.7543	1.8144	1.8746	1.9347	1.9948	2.0550
-24	1.7334	1.7928	1.8522	1.9116	1.9710	2.0304
-26	1.7135	1.7722	1.8309	1.8896	1.9483	2.0071
-28	1.6945	1.7526	1.8106	1.8687	1.9268	1.9848
-30	1.6765	1.7339	1.7913	1.8488	1.9062	1.9637
-32	1.6594	1.7162	1.7730	1.8298	1.8867	1.9436
-34	1.6431	1.6993	1.7556	1.8118	1.8681	1.9245
-36	1.6276	1.6833	1.7390	1.7948	1.8505	1.9063
-38	1.6130	1.6681	1.7233	1.7786	1.8338	1.8891
-40	1.5991	1.6538	1.7085	1.7632	1.8179	1.8727
-42	1.5860	1.6401	1.6944	1.7486	1.8029	1.8572
-44	1.5736	1.6273	1.6811	1.7349	1.7887	1.8426
-46	1.5618	1.6151	1.6685	1.7219	1.7753	1.8288
-48	1.5508	1.6037	1.6566	1.7096	1.7626	1.8157
-50	1.5405	1.5929	1.6455	1.6981	1.7507	1.8034
-52	1.5308	1.5829	1.6351	1.6873	1.7396	1.7919
-54	1.5217	1.5735	1.6253	1.6772	1.7291	1.7811
-56	1.5133	1.5647	1.6162	1.6678	1.7194	1.7710
-58	1.5054	1.5566	1.6077	1.6590	1.7103	1.7617
-60	1.4982	1.5491	1.5999	1.6509	1.7019	1.7530
-62	1.4916	1.5421	1.5928	1.6434	1.6942	1.7450
-64	1.4856	1.5359	1.5862	1.6366	1.6871	1.7377
-66	1.4802	1.5302	1.5803	1.6305	1.6807	1.7310
-68	1.4754	1.5251	1.5750	1.6249	1.6749	1.7250
-70	1.4711	1.5206	1.5703	1.6200	1.6698	1.7197
-72	1.4675	1.5168	1.5662	1.6157	1.6653	1.7149
-74	1.4644	1.5135	1.5627	1.6120	1.6614	1.7109
-76	1.4619	1.5108	1.5598	1.6089	1.6582	1.7075
-78	1.4600	1.5087	1.5576	1.6065	1.6556	1.7048
-80	1.4587	1.5072	1.5559	1.6047	1.6537	1.7027
-82	1.4580	1.5064	1.5549	1.6036	1.6524	1.7012
-84			1.5545	1.6031	1.6517	1.7005
-86						
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	3.10	3.20	3.30	3.40	3.50	3.60
88	*****	*****	*****	*****	*****	*****
86	51.1257	52.5696	54.0130	55.4559	56.8983	58.3402
84	34.0913	35.0542	36.0166	36.9788	37.9406	38.9021
82	25.5764	26.2987	27.0208	27.7427	28.4643	29.1857
80	20.4692	21.0473	21.6253	22.2030	22.7805	23.3579
78	17.0659	17.5480	18.0298	18.5115	18.9931	19.4744
76	14.6363	15.0498	15.4630	15.8762	16.2892	16.7020
74	12.8153	13.1773	13.5391	13.9009	14.2625	14.6241
72	11.3999	11.7219	12.0439	12.3657	12.6874	13.0090
70	10.2685	10.5586	10.8486	11.1385	11.4283	11.7180
68	9.3437	9.6077	9.8716	10.1354	10.3991	10.6628
66	8.5737	8.8160	9.0582	9.3003	9.5423	9.7842
64	7.9230	8.1469	8.3707	8.5944	8.8181	9.0417
62	7.3659	7.5740	7.7821	7.9902	8.1981	8.4060
60	6.8836	7.0782	7.2727	7.4671	7.6615	7.8558
58	6.4623	6.6450	6.8276	7.0101	7.1926	7.3751
56	6.0911	6.2633	6.4354	6.6075	6.7795	6.9515
54	5.7617	5.9246	6.0874	6.2502	6.4130	6.5757
52	5.4674	5.6220	5.7766	5.9311	6.0856	6.2400
50	5.2031	5.3503	5.4974	5.6444	5.7914	5.9384
48	4.9644	5.1049	5.2452	5.3856	5.5259	5.6661
46	4.7479	4.8822	5.0165	5.1507	5.2849	5.4191
44	4.5507	4.6794	4.8081	4.9368	5.0654	5.1940
42	4.3703	4.4939	4.6176	4.7412	4.8647	4.9883
40	4.2047	4.3237	4.4427	4.5616	4.6805	4.7994
38	4.0523	4.1670	4.2817	4.3963	4.5110	4.6255
36	3.9116	4.0224	4.1331	4.2437	4.3544	4.4650
34	3.7813	3.8884	3.9954	4.1024	4.2094	4.3164
32	3.6604	3.7641	3.8677	3.9713	4.0749	4.1784
30	3.5479	3.6484	3.7489	3.8493	3.9497	4.0501
28	3.4430	3.5406	3.6381	3.7356	3.8330	3.9305
26	3.3451	3.4398	3.5346	3.6293	3.7240	3.8188
24	3.2534	3.3456	3.4378	3.5299	3.6221	3.7142
22	3.1674	3.2572	3.3470	3.4367	3.5265	3.6162
20	3.0868	3.1743	3.2618	3.3492	3.4367	3.5241
18	3.0109	3.0962	3.1816	3.2669	3.3523	3.4376
16	2.9394	3.0228	3.1062	3.1895	3.2728	3.3561
14	2.8721	2.9536	3.0350	3.1165	3.1979	3.2793
12	2.8085	2.8882	2.9679	3.0475	3.1272	3.2068
10	2.7485	2.8265	2.9044	2.9824	3.0604	3.1383
8	2.6917	2.7681	2.8444	2.9208	2.9972	3.0736
6	2.6379	2.7128	2.7876	2.8625	2.9374	3.0122
4	2.5869	2.6604	2.7338	2.8073	2.8807	2.9541
2	2.5386	2.6107	2.6828	2.7549	2.8269	2.8990
0	2.4928	2.5635	2.6343	2.7051	2.7759	2.8467

Table 3

$\alpha \backslash \rho_0$	3.10	3.20	3.30	3.40	3.50	3.60
-2	2.4492	2.5188	2.5884	2.6579	2.7275	2.7971
-4	2.4078	2.4762	2.5447	2.6131	2.6815	2.7499
-6	2.3685	2.4358	2.5031	2.5704	2.6377	2.7050
-8	2.3311	2.3974	2.4636	2.5299	2.5961	2.6624
-10	2.2955	2.3608	2.4260	2.4913	2.5565	2.6218
-12	2.2617	2.3259	2.3903	2.4546	2.5189	2.5832
-14	2.2294	2.2928	2.3562	2.4196	2.4830	2.5464
-16	2.1987	2.2612	2.3238	2.3863	2.4489	2.5114
-18	2.1695	2.2312	2.2929	2.3546	2.4163	2.4781
-20	2.1416	2.2026	2.2635	2.3244	2.3854	2.4463
-22	2.1151	2.1753	2.2355	2.2957	2.3559	2.4161
-24	2.0899	2.1493	2.2088	2.2683	2.3278	2.3873
-26	2.0659	2.1246	2.1834	2.2422	2.3010	2.3598
-28	2.0430	2.1011	2.1592	2.2174	2.2755	2.3337
-30	2.0212	2.0787	2.1362	2.1938	2.2513	2.3089
-32	2.0005	2.0574	2.1144	2.1713	2.2283	2.2852
-34	1.9808	2.0372	2.0935	2.1499	2.2063	2.2628
-36	1.9621	2.0179	2.0738	2.1296	2.1855	2.2414
-38	1.9444	1.9997	2.0550	2.1104	2.1657	2.2211
-40	1.9275	1.9824	2.0372	2.0921	2.1470	2.2019
-42	1.9116	1.9660	2.0204	2.0748	2.1292	2.1837
-44	1.8965	1.9504	2.0044	2.0584	2.1124	2.1664
-46	1.8822	1.9358	1.9893	2.0429	2.0965	2.1501
-48	1.8688	1.9219	1.9751	2.0283	2.0815	2.1347
-50	1.8561	1.9089	1.9617	2.0145	2.0673	2.1202
-52	1.8443	1.8967	1.9491	2.0015	2.0540	2.1065
-54	1.8331	1.8852	1.9373	1.9894	2.0416	2.0937
-56	1.8227	1.8745	1.9263	1.9781	2.0299	2.0818
-58	1.8131	1.8645	1.9160	1.9675	2.0190	2.0706
-60	1.8041	1.8553	1.9065	1.9577	2.0090	2.0603
-62	1.7958	1.8467	1.8977	1.9486	1.9997	2.0507
-64	1.7883	1.8389	1.8896	1.9403	1.9911	2.0419
-66	1.7814	1.8318	1.8822	1.9327	1.9833	2.0338
-68	1.7751	1.8253	1.8756	1.9259	1.9762	2.0266
-70	1.7696	1.8196	1.8696	1.9197	1.9698	2.0200
-72	1.7647	1.8145	1.8644	1.9143	1.9642	2.0142
-74	1.7605	1.8101	1.8598	1.9095	1.9593	2.0091
-76	1.7569	1.8064	1.8559	1.9055	1.9551	2.0048
-78	1.7540	1.8033	1.8527	1.9022	1.9516	2.0012
-80	1.7518	1.8010	1.8502	1.8995	1.9489	1.9983
-82	1.7502	1.7993	1.8484	1.8976	1.9469	1.9962
-84	1.7493	1.7983	1.8473	1.8964	1.9455	1.9948
-86			1.8469	1.8959	1.9450	1.9941
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	3.70	3.80	3.90	4.00	4.10	4.20
88	*****	*****	*****	*****	*****	*****
86	59.7817	61.2228	62.6636	64.1040	65.5441	66.9839
84	39.8634	40.8243	41.7851	42.7456	43.7059	44.6660
82	29.9068	30.6278	31.3486	32.0692	32.7897	33.5100
80	23.9351	24.5121	25.0890	25.6658	26.2424	26.8189
78	19.9557	20.4368	20.9178	21.3987	21.8795	22.3601
76	17.1148	17.5274	17.9400	18.3524	18.7648	19.1770
74	14.9855	15.3468	15.7080	16.0692	16.4303	16.7913
72	13.3305	13.6520	13.9733	14.2946	14.6159	14.9370
70	12.0077	12.2972	12.5867	12.8762	13.1655	13.4548
68	10.9263	11.1898	11.4533	11.7167	11.9800	12.2433
66	10.0261	10.2679	10.5097	10.7514	10.9930	11.2347
64	9.2652	9.4887	9.7122	9.9355	10.1589	10.3822
62	8.6139	8.8217	9.0294	9.2371	9.4448	9.6524
60	8.0501	8.2443	8.4385	8.6326	8.8267	9.0207
58	7.5575	7.7398	7.9221	8.1044	8.2866	8.4688
56	7.1235	7.2954	7.4672	7.6391	7.8109	7.9826
54	6.7383	6.9010	7.0636	7.2261	7.3886	7.5511
52	6.3944	6.5487	6.7030	6.8573	7.0115	7.1658
50	6.0854	6.2323	6.3791	6.5260	6.6728	6.8196
48	5.8063	5.9465	6.0867	6.2268	6.3669	6.5070
46	5.5532	5.6873	5.8214	5.9554	6.0894	6.2234
44	5.3226	5.4512	5.5797	5.7082	5.8367	5.9651
42	5.1118	5.2352	5.3587	5.4821	5.6055	5.7289
40	4.9183	5.0371	5.1559	5.2747	5.3934	5.5122
38	4.7401	4.8546	4.9692	5.0837	5.1981	5.3126
36	4.5756	4.6862	4.7968	4.9073	5.0178	5.1284
34	4.4233	4.5303	4.6372	4.7441	4.8509	4.9578
32	4.2820	4.3855	4.4890	4.5925	4.6960	4.7995
30	4.1505	4.2509	4.3512	4.4516	4.5519	4.6522
28	4.0279	4.1254	4.2228	4.3202	4.4175	4.5149
26	3.9134	4.0081	4.1028	4.1974	4.2921	4.3867
24	3.8063	3.8984	3.9905	4.0826	4.1746	4.2667
22	3.7059	3.7956	3.8852	3.9749	4.0645	4.1542
20	3.6116	3.6990	3.7864	3.8738	3.9612	4.0486
18	3.5229	3.6082	3.6935	3.7788	3.8640	3.9493
16	3.4394	3.5227	3.6060	3.6893	3.7725	3.8558
14	3.3607	3.4421	3.5235	3.6049	3.6863	3.7677
12	3.2865	3.3661	3.4457	3.5253	3.6049	3.6845
10	3.2163	3.2942	3.3722	3.4501	3.5280	3.6059
8	3.1499	3.2263	3.3026	3.3789	3.4553	3.5316
6	3.0871	3.1619	3.2367	3.3116	3.3864	3.4612
4	3.0275	3.1010	3.1744	3.2478	3.3212	3.3946
2	2.9711	3.0431	3.1152	3.1873	3.2593	3.3314
0	2.9175	2.9883	3.0590	3.1298	3.2006	3.2714

Table 3

$\rho_0 \backslash \alpha$	3.70	3.80	3.90	4.00	4.10	4.20
-2	2.8666	2.9362	3.0057	3.0753	3.1449	3.2144
-4	2.8183	2.8867	2.9551	3.0235	3.0919	3.1603
-6	2.7723	2.8396	2.9069	2.9742	3.0415	3.1088
-8	2.7286	2.7949	2.8611	2.9274	2.9937	3.0599
-10	2.6871	2.7523	2.8176	2.8828	2.9481	3.0134
-12	2.6475	2.7118	2.7761	2.8404	2.9048	2.9691
-14	2.6098	2.6732	2.7367	2.8001	2.8635	2.9269
-16	2.5739	2.6365	2.6991	2.7616	2.8242	2.8867
-18	2.5398	2.6015	2.6633	2.7250	2.7867	2.8485
-20	2.5072	2.5682	2.6292	2.6901	2.7511	2.8121
-22	2.4763	2.5365	2.5967	2.6569	2.7171	2.7774
-24	2.4467	2.5063	2.5658	2.6253	2.6848	2.7443
-26	2.4186	2.4775	2.5363	2.5952	2.6540	2.7129
-28	2.3919	2.4501	2.5083	2.5665	2.6247	2.6829
-30	2.3664	2.4240	2.4816	2.5392	2.5968	2.6544
-32	2.3422	2.3992	2.4562	2.5132	2.5702	2.6273
-34	2.3192	2.3756	2.4321	2.4885	2.5450	2.6015
-36	2.2973	2.3532	2.4091	2.4651	2.5210	2.5770
-38	2.2765	2.3319	2.3874	2.4428	2.4982	2.5537
-40	2.2568	2.3117	2.3667	2.4216	2.4766	2.5316
-42	2.2381	2.2926	2.3471	2.4016	2.4561	2.5106
-44	2.2204	2.2745	2.3285	2.3826	2.4367	2.4908
-46	2.2037	2.2573	2.3110	2.3647	2.4184	2.4720
-48	2.1879	2.2412	2.2944	2.3477	2.4010	2.4543
-50	2.1730	2.2259	2.2788	2.3317	2.3847	2.4376
-52	2.1590	2.2116	2.2641	2.3167	2.3693	2.4219
-54	2.1459	2.1981	2.2504	2.3026	2.3549	2.4072
-56	2.1337	2.1856	2.2375	2.2894	2.3414	2.3934
-58	2.1222	2.1738	2.2255	2.2771	2.3288	2.3805
-60	2.1116	2.1629	2.2143	2.2657	2.3171	2.3685
-62	2.1018	2.1529	2.2040	2.2551	2.3063	2.3574
-64	2.0927	2.1436	2.1945	2.2454	2.2963	2.3472
-66	2.0845	2.1351	2.1858	2.2364	2.2872	2.3379
-68	2.0770	2.1274	2.1778	2.2283	2.2788	2.3294
-70	2.0702	2.1205	2.1707	2.2210	2.2714	2.3217
-72	2.0642	2.1143	2.1644	2.2145	2.2647	2.3149
-74	2.0590	2.1089	2.1589	2.2088	2.2588	2.3089
-76	2.0545	2.1043	2.1541	2.2039	2.2538	2.3037
-78	2.0508	2.1004	2.1501	2.1998	2.2495	2.2993
-80	2.0478	2.0973	2.1469	2.1965	2.2461	2.2957
-82	2.0456	2.0950	2.1444	2.1939	2.2434	2.2930
-84	2.0441	2.0934	2.1427	2.1922	2.2416	2.2911
-86	2.0433	2.0926	2.1419	2.1912	2.2406	2.2900
-88						
-90						

$\Omega(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	4.30	4.40	4.50	4.60	4.70	4.80
88	*****	*****	*****	*****	*****	*****
86	68.4234	69.8627	71.3017	72.7404	74.1790	75.6173
84	45.6259	46.5856	47.5452	48.5046	49.4639	50.4230
82	34.2302	34.9503	35.6702	36.3900	37.1097	37.8293
80	27.3953	27.9716	28.5478	29.1239	29.6999	30.2758
78	22.8407	23.3212	23.8016	24.2820	24.7623	25.2424
76	19.5892	20.0014	20.4134	20.8254	21.2373	21.6492
74	17.1522	17.5131	17.8739	18.2346	18.5953	18.9560
72	15.2581	15.5792	15.9001	16.2211	16.5419	16.8628
70	13.7441	14.0333	14.3224	14.6116	14.9006	15.1896
68	12.5065	12.7697	13.0328	13.2959	13.5590	13.8220
66	11.4762	11.7177	11.9592	12.2007	12.4421	12.6835
64	10.6054	10.8287	11.0518	11.2750	11.4981	11.7212
62	9.8600	10.0675	10.2750	10.4825	10.6900	10.8974
60	9.2148	9.4087	9.6027	9.7966	9.9905	10.1844
58	8.6510	8.8331	9.0153	9.1973	9.3794	9.5614
56	8.1544	8.3260	8.4977	8.6694	8.8410	9.0126
54	7.7136	7.8760	8.0385	8.2009	8.3632	8.5256
52	7.3200	7.4741	7.6283	7.7824	7.9365	8.0906
50	6.9664	7.1131	7.2598	7.4065	7.5532	7.6999
48	6.6471	6.7871	6.9271	7.0671	7.2071	7.3471
46	6.3574	6.4914	6.6253	6.7593	6.8932	7.0271
44	6.0936	6.2220	6.3504	6.4788	6.6072	6.7355
42	5.8523	5.9757	6.0990	6.2223	6.3456	6.4689
40	5.6309	5.7496	5.8683	5.9870	6.1056	6.2243
38	5.4270	5.5415	5.6559	5.7703	5.8847	5.9991
36	5.2388	5.3493	5.4598	5.5703	5.6807	5.7912
34	5.0646	5.1714	5.2783	5.3851	5.4919	5.5986
32	4.9029	5.0063	5.1098	5.2132	5.3166	5.4200
30	4.7525	4.8528	4.9530	5.0533	5.1536	5.2538
28	4.6123	4.7096	4.8069	4.9043	5.0016	5.0989
26	4.4813	4.5759	4.6705	4.7651	4.8596	4.9542
24	4.3587	4.4508	4.5428	4.6348	4.7268	4.8188
22	4.2438	4.3335	4.4231	4.5127	4.6023	4.6919
20	4.1360	4.2233	4.3107	4.3980	4.4854	4.5727
18	4.0345	4.1198	4.2050	4.2903	4.3755	4.4607
16	3.9391	4.0223	4.1055	4.1888	4.2720	4.3552
14	3.8490	3.9304	4.0118	4.0931	4.1745	4.2558
12	3.7641	3.8437	3.9233	4.0028	4.0824	4.1620
10	3.6838	3.7617	3.8396	3.9175	3.9954	4.0733
8	3.6079	3.6842	3.7606	3.8369	3.9132	3.9895
6	3.5361	3.6109	3.6857	3.7605	3.8353	3.9101
4	3.4680	3.5414	3.6147	3.6881	3.7615	3.8349
2	3.4034	3.4754	3.5475	3.6195	3.6916	3.7636
0	3.3421	3.4129	3.4837	3.5544	3.6252	3.6959

Table 3

$\rho_0 \backslash \alpha$	4.30	4.40	4.50	4.60	4.70	4.80
-2	3.2840	3.3535	3.4231	3.4926	3.5622	3.6317
-4	3.2287	3.2971	3.3655	3.4339	3.5023	3.5707
-6	3.1762	3.2435	3.3108	3.3780	3.4453	3.5126
-8	3.1262	3.1924	3.2587	3.3250	3.3912	3.4575
-10	3.0786	3.1439	3.2092	3.2744	3.3397	3.4050
-12	3.0334	3.0977	3.1620	3.2264	3.2907	3.3550
-14	2.9903	3.0538	3.1172	3.1806	3.2440	3.3075
-16	2.9493	3.0119	3.0744	3.1370	3.1996	3.2622
-18	2.9102	2.9720	3.0337	3.0955	3.1573	3.2190
-20	2.8730	2.9340	2.9950	3.0560	3.1170	3.1780
-22	2.8376	2.8979	2.9581	3.0183	3.0786	3.1388
-24	2.8039	2.8634	2.9229	2.9825	3.0420	3.1016
-26	2.7717	2.8306	2.8895	2.9483	3.0072	3.0661
-28	2.7411	2.7994	2.8576	2.9158	2.9741	3.0323
-30	2.7120	2.7696	2.8272	2.8849	2.9425	3.0001
-32	2.6843	2.7413	2.7984	2.8554	2.9125	2.9696
-34	2.6580	2.7144	2.7709	2.8274	2.8840	2.9405
-36	2.6329	2.6889	2.7449	2.8008	2.8568	2.9128
-38	2.6091	2.6646	2.7201	2.7756	2.8310	2.8865
-40	2.5866	2.6416	2.6966	2.7516	2.8066	2.8616
-42	2.5652	2.6197	2.6743	2.7288	2.7834	2.8380
-44	2.5449	2.5990	2.6532	2.7073	2.7614	2.8156
-46	2.5258	2.5795	2.6332	2.6869	2.7407	2.7944
-48	2.5077	2.5610	2.6143	2.6677	2.7211	2.7744
-50	2.4906	2.5436	2.5966	2.6496	2.7026	2.7556
-52	2.4746	2.5272	2.5798	2.6325	2.6852	2.7378
-54	2.4595	2.5118	2.5641	2.6165	2.6688	2.7212
-56	2.4454	2.4974	2.5494	2.6014	2.6535	2.7056
-58	2.4322	2.4839	2.5357	2.5874	2.6392	2.6910
-60	2.4200	2.4714	2.5229	2.5744	2.6259	2.6774
-62	2.4087	2.4599	2.5111	2.5623	2.6136	2.6649
-64	2.3982	2.4492	2.5002	2.5512	2.6022	2.6533
-66	2.3886	2.4394	2.4902	2.5410	2.5918	2.6426
-68	2.3799	2.4305	2.4811	2.5317	2.5823	2.6329
-70	2.3721	2.4225	2.4729	2.5233	2.5737	2.6242
-72	2.3651	2.4153	2.4655	2.5158	2.5661	2.6164
-74	2.3589	2.4090	2.4591	2.5092	2.5593	2.6095
-76	2.3536	2.4035	2.4535	2.5035	2.5534	2.6035
-78	2.3491	2.3989	2.4487	2.4986	2.5485	2.5984
-80	2.3454	2.3951	2.4449	2.4946	2.5444	2.5942
-82	2.3426	2.3922	2.4418	2.4915	2.5412	2.5909
-84	2.3406	2.3901	2.4397	2.4893	2.5389	2.5885
-86	2.3394	2.3889	2.4384	2.4879	2.5375	2.5871
-88				2.4875	2.5370	2.5865
-90						

$\Omega(\alpha, \rho_0)$

$\rho_0 \backslash \alpha$	4.90	5.00	5.10	5.20	5.30	5.40
88	*****	*****	*****	*****	*****	*****
86	77.0555	78.4934	79.9312	81.3688	82.8062	84.2435
84	51.3820	52.3409	53.2996	54.2582	55.2168	56.1752
82	38.5488	39.2682	39.9875	40.7067	41.4258	42.1449
80	30.8516	31.4274	32.0031	32.5788	33.1543	33.7298
78	25.7226	26.2027	26.6827	27.1626	27.6425	28.1224
76	22.0610	22.4727	22.8844	23.2961	23.7077	24.1193
74	19.3166	19.6771	20.0376	20.3981	20.7585	21.1189
72	17.1836	17.5043	17.8251	18.1458	18.4664	18.7870
70	15.4786	15.7676	16.0565	16.3454	16.6342	16.9231
68	14.0850	14.3479	14.6109	14.8738	15.1366	15.3995
66	12.9248	13.1661	13.4074	13.6487	13.8899	14.1311
64	11.9442	12.1673	12.3903	12.6132	12.8362	13.0591
62	11.1048	11.3122	11.5195	11.7268	11.9341	12.1414
60	10.3783	10.5721	10.7659	10.9597	11.1534	11.3472
58	9.7434	9.9254	10.1074	10.2894	10.4713	10.6532
56	9.1842	9.3558	9.5273	9.6988	9.8703	10.0419
54	8.6879	8.8502	9.0125	9.1748	9.3371	9.4993
52	8.2447	8.3987	8.5528	8.7068	8.8608	9.0148
50	7.8465	7.9932	8.1398	8.2864	8.4330	8.5796
48	7.4870	7.6270	7.7669	7.9068	8.0467	8.1866
46	7.1609	7.2948	7.4286	7.5625	7.6963	7.8301
44	6.8639	6.9922	7.1205	7.2488	7.3771	7.5054
42	6.5922	6.7155	6.8387	6.9620	7.0852	7.2085
40	6.3429	6.4616	6.5802	6.6988	6.8174	6.9360
38	6.1135	6.2278	6.3421	6.4565	6.5708	6.6851
36	5.9016	6.0120	6.1224	6.2328	6.3432	6.4536
34	5.7054	5.8122	5.9189	6.0257	6.1324	6.2392
32	5.5234	5.6268	5.7301	5.8335	5.9368	6.0402
30	5.3540	5.4543	5.5545	5.6547	5.7549	5.8551
28	5.1962	5.2935	5.3908	5.4881	5.5853	5.6826
26	5.0487	5.1433	5.2379	5.3324	5.4269	5.5215
24	4.9108	5.0028	5.0948	5.1867	5.2787	5.3707
22	4.7815	4.8710	4.9606	5.0502	5.1398	5.2293
20	4.6601	4.7474	4.8347	4.9220	5.0093	5.0967
18	4.5459	4.6311	4.7163	4.8015	4.8867	4.9719
16	4.4384	4.5217	4.6049	4.6881	4.7713	4.8545
14	4.3371	4.4185	4.4998	4.5811	4.6624	4.7438
12	4.2415	4.3211	4.4007	4.4802	4.5597	4.6393
10	4.1512	4.2291	4.3070	4.3848	4.4627	4.5406
8	4.0658	4.1421	4.2184	4.2947	4.3710	4.4473
6	3.9849	4.0597	4.1345	4.2093	4.2841	4.3589
4	3.9083	3.9817	4.0550	4.1284	4.2018	4.2752
2	3.8356	3.9077	3.9797	4.0517	4.1238	4.1958
0	3.7667	3.8375	3.9082	3.9790	4.0497	4.1205

Table 3

$\rho_0 \backslash \alpha$	4.90	5.00	5.10	5.20	5.30	5.40
-2	3.7012	3.7708	3.8403	3.9099	3.9794	4.0490
-4	3.6391	3.7074	3.7758	3.8442	3.9126	3.9810
-6	3.5799	3.6472	3.7145	3.7818	3.8491	3.9164
-8	3.5237	3.5900	3.6562	3.7225	3.7888	3.8550
-10	3.4702	3.5355	3.6008	3.6660	3.7313	3.7966
-12	3.4193	3.4837	3.5480	3.6123	3.6767	3.7410
-14	3.3709	3.4343	3.4977	3.5612	3.6246	3.6880
-16	3.3247	3.3873	3.4499	3.5125	3.5751	3.6376
-18	3.2808	3.3426	3.4043	3.4661	3.5279	3.5896
-20	3.2389	3.2999	3.3609	3.4219	3.4829	3.5439
-22	3.1991	3.2593	3.3196	3.3799	3.4401	3.5004
-24	3.1611	3.2207	3.2802	3.3398	3.3994	3.4589
-26	3.1250	3.1839	3.2427	3.3016	3.3605	3.4194
-28	3.0906	3.1488	3.2071	3.2653	3.3236	3.3818
-30	3.0578	3.1154	3.1731	3.2307	3.2884	3.3461
-32	3.0266	3.0837	3.1408	3.1978	3.2549	3.3120
-34	2.9970	3.0535	3.1100	3.1665	3.2231	3.2796
-36	2.9688	3.0248	3.0808	3.1368	3.1928	3.2488
-38	2.9420	2.9976	3.0531	3.1086	3.1641	3.2196
-40	2.9166	2.9717	3.0267	3.0818	3.1368	3.1919
-42	2.8926	2.9472	3.0017	3.0563	3.1110	3.1656
-44	2.8698	2.9239	2.9781	3.0323	3.0865	3.1406
-46	2.8482	2.9019	2.9557	3.0095	3.0633	3.1171
-48	2.8278	2.8812	2.9346	2.9880	3.0414	3.0948
-50	2.8086	2.8616	2.9147	2.9677	3.0208	3.0738
-52	2.7905	2.8432	2.8959	2.9486	3.0013	3.0540
-54	2.7735	2.8259	2.8783	2.9307	2.9831	3.0355
-56	2.7576	2.8097	2.8618	2.9139	2.9660	3.0181
-58	2.7428	2.7946	2.8464	2.8982	2.9500	3.0018
-60	2.7289	2.7805	2.8320	2.8836	2.9351	2.9867
-62	2.7161	2.7674	2.8187	2.8700	2.9213	2.9727
-64	2.7043	2.7554	2.8064	2.8575	2.9086	2.9597
-66	2.6935	2.7443	2.7952	2.8461	2.8969	2.9478
-68	2.6836	2.7343	2.7849	2.8356	2.8863	2.9370
-70	2.6747	2.7251	2.7756	2.8261	2.8767	2.9272
-72	2.6667	2.7170	2.7673	2.8177	2.8680	2.9184
-74	2.6596	2.7098	2.7600	2.8102	2.8604	2.9106
-76	2.6535	2.7035	2.7536	2.8037	2.8538	2.9038
-78	2.6483	2.6982	2.7482	2.7981	2.8481	2.8981
-80	2.6440	2.6938	2.7437	2.7935	2.8434	2.8933
-82	2.6406	2.6904	2.7401	2.7899	2.8397	2.8895
-84	2.6382	2.6879	2.7375	2.7873	2.8370	2.8867
-86	2.6367	2.6863	2.7359	2.7856	2.8352	2.8849
-88	2.6361	2.6856	2.7352	2.7849	2.8345	2.8841
-90						