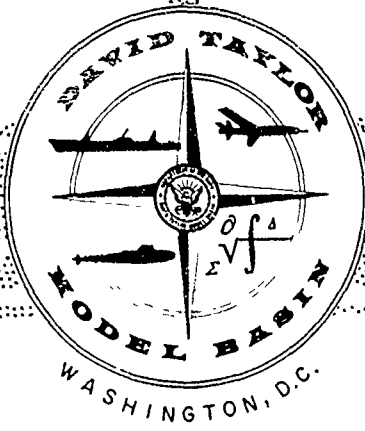


AD-610171 Report 1534

AD-610171



DEPARTMENT OF THE NAVY

1534
C.1
TMB

HYDROMECHANICS

TABLES OF THE GOLDSTEIN FACTOR

AERODYNAMICS

STRUCTURAL
MECHANICS

APPLIED
MATHEMATICS

ACOUSTICS AND
VIBRATION

by
C.L. Tibery
and
J.W. Wrench, Jr.

Do not forward this copy to other activities
without authorization of BuWeps (DLI-22)
RETURN TO
DUR OF NAVAL WEAPONS
TECHNICAL LIBRARY
Dept. of the Navy
Washington 25, D. C.

APPLIED MATHEMATICS LABORATORY
RESEARCH AND DEVELOPMENT REPORT

December 1964

Report 1534

TABLES OF THE GOLDSTEIN FACTOR

by

C.L. Tibery
and
J.W. Wrench, Jr.

December 1964

Report 1534
S-R003 03 01

TABLE OF CONTENTS

	Page
ABSTRACT	1
INTRODUCTION	1
FORMULAS AND CALCULATIONAL PROCEDURES	2
DESCRIPTION AND PREPARATION OF TABLES	10
METHODS OF INTERPOLATION	10
TABLES	13-67
REFERENCES	68

ABSTRACT

The tables of the Goldstein factor presented in this report have been computed on the IBM 7090 system at the Applied Mathematics Laboratory. They were computed for the purpose of supplying more extensive and reliable information than that available in similar tables of Goldstein, Lock and Yeatman, Kramer, Tachmindji and Milam, and the second of the present authors. These tables are applicable to the calculation of the distribution of the circulation along lightly loaded, optimum propellers for which the number of blades ranges from two to ten, inclusive. The Goldstein factor determines the effect of a finite number of propeller blades on the circulation, and simultaneously relates the maximum value of the tangential velocity component induced at a lifting line with its circumferential average.

The emphasis on an increased number of blades, as reflected in these more extensive tables, arises from the need to alleviate the loading or cavitation problems associated with the increased power of modern ships.

INTRODUCTION

In 1929 Goldstein¹ gave an exact determination of the distribution of circulation along a propeller blade, corresponding to minimum energy loss in the slip stream for a prescribed thrust. This is applicable to the theory of the lightly loaded, optimum propeller with a zero hub and a finite number of blades operating in a uniform flow.

In particular, Goldstein derived a relationship between the distribution of circulation for a propeller with a finite number of blades to that for an idealized propeller with an infinite number. Indeed, if G and G_∞ represent the respective circulations and p represents the number of blades, then $p G / G_\infty = \kappa$, which is termed the Goldstein factor.

Goldstein exhibited this factor as a linear combination of the sums of two infinite series; the first involves the so-called Goldstein function, which is expressible in terms of a Lommel function and the modified Bessel function of the second kind, the second, the logarithmic derivative of the modified Bessel function of the first kind. The coefficients a_m of the terms of the second series are the solutions of an infinite system of linear equations with complicated coefficients. The numerical solution of this system is a formidable task, both mathematically and computationally, to which considerable attention will be devoted in the body of this report.

Goldstein was able to show that these coefficients a_m can be approximated by a multiple of the coefficients occurring in the MacLaurin expansion of the inverse sine function.

In 1954 members of the staff of the Applied Mathematics Laboratory prepared a UNIVAC program for the evaluation of κ , based on the approximate coefficients a_m^* .

¹References are listed on page 68.

The underlying tables, which were published² in 1955, serve to yield the Goldstein factor for μ ranging from 3 through 6, $\mu_0 = 0.25(0.25)2(0.5)6$, and $\mu'\mu_0 = 0.2(0.1)0.8(0.05)0.95, 0.975$. Here μ represents $w\tau/\omega$, where w is the velocity of the screw surface in the direction of its axis, ω is the angular velocity, τ is the distance from the axis of rotation, and μ_0 is the value of μ corresponding to $\tau = R$, the radius of the propeller.

Subsequent desk calculations revealed that the substitution of a_m^* for a_m in the calculation of κ leads to unacceptably large errors for propellers operating at large advance ratios $1/\mu_0$. Consequently, in 1955 an investigation was made of procedures for solving the infinite system of equations for a sufficient initial number of the unknowns a_m to assure reliable values of the Goldstein factor. This research culminated in the publication² of an effective procedure for evaluating the coefficients a_m .

In 1956 Tachmindji and Milam³ published tables of the Goldstein factor for propellers whose number of blades ranged from 3 through 6. These results were obtained on the UNIVAC system in the Applied Mathematics Laboratory and involved the use of a_m , $m \leq 4$, together with a_m^* , $m \geq 5$. The technique for estimating the values of the coefficients a_m used was that described in Reference 2, which will be further elaborated upon in this report.

In January 1961 an IBM 7090 system was installed in the Applied Mathematics Laboratory (AML). The capabilities of this electronic computer are such as to justify its use in the evaluation of the Goldstein factor to a precision hitherto unattained. Accordingly, AML has now obtained reliable approximations to the Goldstein factor, using suitably modified systems of orders ranging up to 80 to evaluate the coefficients a_m by the procedure described in Reference 2. These final data, together with the sums of the constituent series, are presented in tabular form at the end of this report.

FORMULAS AND CALCULATIONAL PROCEDURES

The Goldstein factor, κ , can be defined by the relation

$$\kappa = \frac{1 + \mu^2}{\mu^2} \frac{p \Gamma' \omega}{2\pi w n} \quad [1]$$

where p is the number of blades in the propeller,

Γ' is the circulation around the blade section,

ω is the angular velocity,

w is the velocity of the screw surface in the direction of its axis,

n is the velocity of advance of the propeller, and

μ is the ratio $w\tau'/\omega$, where τ' is the distance from the axis of rotation to the blade section.

Goldstein¹ showed that

$$\kappa = \left(\frac{1 + \mu^2}{\mu^2} \right) \frac{8}{\pi^2} \sum_{m=0}^{\infty} \frac{T_{1,\nu}(\nu \mu)}{(2m+1)^2} + \left(\frac{1 + \mu^2}{\mu^2} \right) \frac{2}{\pi} \sum_{m=0}^{\infty} a_m \frac{I_{\nu}(\nu \mu)}{I_{\nu}(\nu \mu_0)} \quad [2]$$

where $\nu = p \left(m + \frac{1}{2} \right)$ and the coefficients a_m satisfy the following infinite system of equations:

$$\begin{aligned} \frac{\pi}{4} \sum_{m=0}^{\infty} \left\{ \frac{(2m+1) [I'_{\nu}(\nu \mu_0)/I_{\nu}(\nu \mu_0)] - 2n [K'_{pn}(pn \mu_0)/K_{pn}(pn \mu_0)]}{4n^2 - (2m+1)^2} \right\} a_m \\ = 2n [K'_{pn}(pn \mu_0)/K_{pn}(pn \mu_0)] \sum_{m=0}^{\infty} \frac{T_{1,\nu}(\nu \mu_0)}{(2m+1)^2 [4n^2 - (2m+1)^2]} \\ - \sum_{m=0}^{\infty} \frac{T'_{1,\nu}(\nu \mu_0)}{(2m+1) [4n^2 - (2m+1)^2]}, \quad n = 1, 2, 3, \dots \end{aligned} \quad [3]$$

The function $T_{1,\nu}(\nu \mu_0)$ is called the Goldstein function and is defined as follows:

$$T_{1,\nu}(x) = S_{1,\nu}(ix) - \nu e^{\frac{\nu \pi i}{2}} K_{\nu}(x), \quad [4]$$

where $S_{1,\nu}$ is a Lommel function as defined by Watson⁴ and $K_{\nu}(x)$ is the modified Bessel function of the second kind of order ν . In Equations [2] and [3], I_{ν} is the modified Bessel function of the first kind. The prime affixed to each of these functions denotes differentiation with respect to the argument.

The SHARE subroutine LABESF was used to evaluate the Bessel functions $I_n(nx)$ and $K_n(nx)$ for arguments nx not exceeding 50. The first derivatives of these functions were then calculated by means of the well-known formulas

$$I'_n(nx) = \frac{1}{2} [I_{n+1}(nx) + I_{n-1}(nx)] \quad [5]$$

$$K'_n(nx) = -\frac{1}{2} [K_{n+1}(nx) + K_{n-1}(nx)] \quad [6]$$

For arguments nx exceeding 50, the ratios $I'_n(nx)/I_n(nx)$ and $K'_n(nx)/K_n(nx)$ were calculated from the following asymptotic series:⁵

$$I'_n(nx)/I_n(nx) \sim \frac{z}{x} - \frac{x}{2nz^2} + \frac{x(4-x^2)}{8n^2 z^5} - \frac{x(4-10x^2+x^4)}{8n^3 z^8} + \frac{x(64-560x^2+456x^4-25x^6)}{128n^4 z^{11}} - \dots \quad [7]$$

$$K'_n(nx)/K_n(nx) \sim -\frac{z}{x} - \frac{x}{2nz^2} - \frac{x(4-x^2)}{8n^2 z^5} - \frac{x(4-10x^2+x^4)}{8n^3 z^8} - \frac{x(64-560x^2+456x^4-25x^6)}{128n^4 z^{11}} - \dots, \quad [8]$$

where $z = (1 + x^2)^{1/2}$.

The Goldstein function $T_{1,\nu}(\mu_0)$ was calculated from the following asymptotic formula, provided that the last term calculated (in this case, the sixth) was numerically less than 5×10^{-6} .

$$T_{1,\nu}(\mu_0) \sim \tau_0(\mu_0) + \frac{\tau_2(\mu_0)}{\nu^2} + \frac{\tau_4(\mu_0)}{\nu^4} + \dots \quad [9]$$

where

$$\tau_0(\mu_0) = \frac{\mu_0^2}{1 + \mu_0^2}$$

$$\tau_2(\mu_0) = \frac{4\mu_0^2(1 - \mu_0^2)}{(1 + \mu_0^2)^4}$$

and, in general,

$$\tau_{r+2}(\mu_0) = \frac{1}{1 + \mu_0^2} \left(\mu_0 \frac{d}{d\mu_0} \right)^2 \tau_r(\mu_0)$$

If, on the other hand, $\tau_{10}(\mu_0)$ exceeded 5×10^{-6} , then $T_{1,\nu}(x)$ was calculated from one of the following two formulas given by Goldstein. The first is used when ν is an even integer; the second is used in all other cases.

$$T_{1,\nu}(x) = 1 - \frac{\nu^2}{x^2} + \frac{\nu^2(\nu^2 - 2^2)}{x^4} - \frac{\nu^2(\nu^2 - 2^2)(\nu^2 - 4^2)}{x^6} + \dots - (-1)^{\frac{\nu}{2}} \nu K_{\nu}(x) \quad [10]$$

$$T_{1,\nu}(x) = \frac{\nu\pi}{2 \sin \frac{\nu\pi}{2}} I_{\nu}(x) - \frac{x^2}{2^2 - \nu^2} - \frac{x^4}{(2^2 - \nu^2)(4^2 - \nu^2)} - \dots \quad [11]$$

The derivatives of the Goldstein function were obtained by term-by-term differentiation of the three preceding series.

Occasionally, Formulas [10] and [11] do not yield sufficient accuracy when single-precision arithmetic is used on the computer. This difficulty is due to the fact that the terms involving the Bessel function K_{ν} or I_{ν} are nearly equal to the sum of all the remaining terms in each series, respectively. Accordingly, double-precision arithmetic has been used to evaluate $T_{1,\nu}(x)$ in these exceptional cases.

To evaluate $I_{\nu}(x)$ in double-precision arithmetic for integer values of ν , the following power series was used:

$$I_{\nu}(x) = \frac{\left(\frac{x}{2}\right)^{\nu}}{\nu!} \left\{ 1 + \frac{\left(\frac{x}{2}\right)^2}{1!(n+1)} + \frac{\left(\frac{x}{2}\right)^4}{2!(n+1)(n+2)} + \dots \right\} \quad [12]$$

For ν equal to one-half an odd integer, the following explicit formulas were used:

$$\sqrt{\frac{\pi x}{2}} I_{-\frac{1}{2}}(x) = \cosh x \quad [13]$$

$$\sqrt{\frac{\pi x}{2}} I_{\frac{1}{2}}(x) = \sinh x$$

$$\sqrt{\frac{\pi x}{2}} I_{\frac{3}{2}}(x) = \cosh x - \frac{1}{x} \sinh x$$

If we let t represent x^{-1} , we can write, in general,⁶

$$\sqrt{\frac{\pi x}{2}} I_{n+1/2}(x) = A_n(t) \cosh x + A_{-n-1}(t) \sinh x \quad [14]$$

where $A_n(t)$ is a polynomial in t satisfying the relations

$$\begin{aligned} A_0(t) &= 0; \quad A_1(t) = 1 \\ A_{n+1}(t) &= A_{n-1}(t) - (2n+1)t A_n(t) \end{aligned} \quad [15]$$

For the double-precision evaluation of $K_n(x)$, use was made of the recurrence formula

$$K_{n+1}(x) = \frac{2n}{x} K_n(x) + K_{n-1}(x) \quad [16]$$

in conjunction with the integral representations⁴

$$K_0(x) = \int_0^\infty \exp(-x \cosh t) dt \quad [17]$$

$$K_1(x) = \int_0^\infty \cosh t \exp(-x \cosh t) dt \quad [18]$$

which were employed to evaluate $K_0(x)$ and $K_1(x)$ to 14 significant figures by Simpson's rule.

The upper bound

$$\int_N^\infty \cosh t \exp(-x \cosh t) dt < \frac{2}{x} \exp\left(-\frac{x}{2} e^N\right) \quad [19]$$

shows that the infinite upper limit of integration in Equation [18] can be replaced by the finite limit 6, with a resulting truncation error less than $8 \exp\left(-\frac{e^6}{8}\right)$, or approximately 1.03×10^{-21} , when $x = 0.25$, which corresponds to $p = 2$, $\mu_0 = 0.25$, and $m = 0$. This is the least value of x encountered in the preparation of the tables. The upper bound for the truncation error given in Equation [19] holds *a fortiori* for the integral appearing in Equation [17], since the integrand therein is less at corresponding positive values of t than the integrand occurring in Equation [18].

Accordingly, the values of $K_0(x)$ and $K_1(x)$ were calculated by applying Simpson's rule to the respective integrals, in which the range of integration was modified so as to extend from 0 to 6, and 250 subdivisions were employed.

A further computational difficulty arose from the slow convergence of the series

$$\sum_{m=0}^{\infty} \frac{T_{1,\nu}(\nu\mu)}{(2m+1)^2}$$

when μ assumes large values, because in that case $T_{1,\nu}(\nu\mu)$ is nearly equal to unity.

We note that the Euler-Maclaurin summation formula⁷ yields

$$\sum_{m=N}^{\infty} \frac{1}{(2m+1)^2} = \int_N^{\infty} \frac{dx}{(2x+1)^2} + \frac{1}{2} \cdot \frac{1}{(2N+1)^2} + \frac{1}{12} \cdot \frac{4}{(2N+1)^3} - \frac{1}{720} \cdot \frac{4 \cdot 6 \cdot 8}{(2N+1)^5} + R \quad [20]$$

where R represents the remainder term, and the value of the definite integral is simply $\frac{(2N+1)^{-1}}{2}$.

In the evaluation of the related sum

$$\sum_{m=0}^{\infty} \frac{T_{1,\nu}(\nu\mu)}{(2m+1)^2}$$

the first 100 terms were summed on the IBM 7090 system, and the remainder term as estimated from Equation [20] was added. The numerical value of the left side of Equation [20] was thus found to be 0.00249 9979, approximately.

In the evaluation of the ratio $I_{\nu}(\nu\mu)/I_{\nu}(\nu\mu_0)$ for large values of μ and μ_0 , it was found necessary to use the following asymptotic formula due to Lehmer:⁸

$$I_n(nx) \sim (2\pi n)^{-1/2} z^{-1/2} \left(\frac{z-1}{x}\right)^n e^{nz} \exp[-V_n(ix)] \quad [21]$$

where

$$-V_n(ix) = \frac{3x^2 - 2}{24nz^3} + \frac{x^4 - 4x^2}{16n^2z^6} + \frac{375x^6 - 3654x^4 + 1512x^2 + 16}{5760n^3z^9} + \frac{13x^8 - 232x^6 + 288x^4 - 32x^2}{128n^4z^{12}} + \dots$$

and $z = (1 + x^2)^{1/2}$.

There remains, in the calculation of the Goldstein factor by Equation [2], the evaluation of the coefficients a_m from the infinite system of equations in [3].

Now, Goldstein¹ showed that this system can be approximated by the following infinite system

$$\sum_{m=0}^{\infty} \frac{a_m^*}{2n - 2m - 1} = - \frac{\mu_0^2}{1 + \mu_0^2} \frac{\pi}{4n}, \quad n = 1, 2, 3, \dots \quad [22]$$

where a_m^* is generally a good approximation to a_m . Furthermore, he showed that

$$a_m^* = - \frac{\mu_0^2}{1 + \mu_0^2} \cdot \frac{(2m)!}{2^{2m} (m!)^2 (2m + 1)} \quad [23]$$

where the second factor on the right is identifiable as the coefficient of x^{2m+1} in the Maclaurin expansion of $\arcsin x$.

By introducing Stirling's asymptotic approximation to the factorial function; namely

$$n! \sim (2\pi)^{1/2} n^{n+1/2} e^{-n} \quad [24]$$

we find that

$$a_m^* \approx - \frac{\mu_0^2}{1 + \mu_0^2} \frac{(\pi m)^{-1/2}}{2m + 1} \quad [25]$$

which shows that a_m^* , and consequently a_m , decreases as rapidly as $m^{-3/2}$. Thus, the monotonic decrease in the coefficients a_m in the second series in Equation [2] contributes relatively little to the rapidity of convergence of that series.

This approximation of the coefficients a_m by the numbers a_m^* constitutes the basis for an iterative procedure developed for their accurate evaluation on the L-4 7090 system. This procedure will now be described.

For simplicity of notation, let b_{ij} designate an element of the matrix of coefficients for the infinite system, Equation [3], and let c_i represent the corresponding constant term. Similarly, we shall use b_{ij}^* and c_i^* to represent the corresponding elements in the infinite system, Equation [22].

Then the first equation of the system in Equation [3] can be written

$$b_{11} a_0 + \sum_{j=1}^{\infty} b_{1, j+1} a_j = c_1 \quad [26]$$

We replace this by the approximate equation

$$b_{11} a_0 + \sum_{j=1}^{\infty} b_{1, j+1}^* a_j^* = c_1 \quad [27]$$

and note that

$$\sum_{j=1}^{\infty} b_{1, j+1}^* a_j^* = c_1^* - b_{11}^* a_0^* \quad [28]$$

Then our first approximation $a_0^{(1)}$ to a_0 is obtained by solving Equation [27], using the result in Equation [28].

Similarly, we form the system

$$b_{11} a_0 + b_{12} a_1 + \sum_{j=2}^{\infty} b_{1, j+1}^* a_j^* = c_1 \quad [29]$$

$$b_{21} a_0 + b_{22} a_1 + \sum_{j=2}^{\infty} b_{2, j+1}^* a_j^* = c_2$$

and solve it for a second approximation $a_0^{(2)}$ to a_0 and for a first approximation $a_1^{(1)}$ to a_1 . Here the residual infinite sums are given by

$$\sum_{j=2}^{\infty} b_{i, j+1}^* a_j^* = c_i^* - b_{i1}^* a_0^* - b_{i2}^* a_1^* \quad [30]$$

and $i = 1, 2$.

This procedure is then continued until a suitable number of the initial coefficients have been approximated. Thus, with each step of the process, one obtains an improved approximation to a_i , $i = 0, 1, 2, \dots, n$.

The convergence of the sequence $\{a_m^{(k)}\}$ of approximations to a_m can be accelerated by means of the Aitken δ^2 process.⁹ By this process, one forms an associated sequence $\{b_m^{(k)}\}$ defined by the relation

$$b_m^{(k)} = a_m^{(k+1)} - \frac{[a_m^{(k+1)} - a_m^{(k)}]^2}{a_m^{(k+1)} - 2a_m^{(k)} + a_m^{(k-1)}} \quad [31]$$

The sequence $\{b_m^{(k)}\}$, if convergent, has the same limiting value as the original sequence $\{a_m^{(k)}\}$ and, moreover, generally converges at a much faster rate.

Further sequences, such as $\{c_m^{(k)}\}$ from $\{b_m^{(k)}\}$, can be formed successively by the Aitken δ^2 process, but the eventual serious loss of significant figures precludes the indefinite repetition of this technique.

In practice, it was discovered that the successive application of the Aitken process to the solutions of successive linear systems approximating the infinite system in Equation [3] resulted in excessive loss of significant figures. Accordingly, it was found preferable to evaluate the coefficients a_m by solving the appropriate linear systems of orders ranging from 30 through 80, in increments of 10, on the IBM 7090 computer system.

DESCRIPTION AND PREPARATION OF TABLES

Because of their inherent interest and value, it was decided that the functions

$$\frac{1 + \mu^2}{\mu^2} \frac{8}{\pi^2} \sum_{m=0}^{\infty} \frac{T_{1,\nu}(\nu\mu)}{(2m+1)^2} - \frac{1 + \mu^2}{\mu^2} \frac{2}{\pi} \sum_{m=0}^{\infty} a_m \frac{I_{\nu}(\nu\mu)}{I_{\nu}(\nu\mu_0)}$$

should each be tabulated, in addition to their difference, which is the Goldstein factor, κ .

The precision decided upon for these tabular data is five significant figures, which are presented in floating-point form; that is, with the exponent of the appropriate power of 10 printed directly after the decimal digits of the number.

The attainment of accuracy to five significant figures was especially difficult in certain parts of the second table because of the very slow convergence of the series

$\sum_{m=0}^{\infty} a_m \frac{I_{\nu}(\nu\mu)}{I_{\nu}(\nu\mu_0)}$, especially when $\mu/\mu_0 = 0.975$. Thus, when $p = 3$, $\mu_0 = 1.5$, and $\mu'/\mu_0 = 0.975$, we find that the ratio $I_{\nu}(\nu\mu)/I_{\nu}(\nu\mu_0)$ decreases only from 0.941696 to 0.0071486 when m increases from 0 to 19. On the other hand, when $p = 3$, $\mu_0 = 1.5$, and $\mu'/\mu_0 = 0.5$, we find that this ratio of values of the modified Bessel function I_{ν} decreases from 0.249529 to 0.101451×10^{-25} for the same variation in m .

The ranges of parameters covered by the tables in this report are as follows: $p = 2(1)10$, $\mu_0 = 0.25(0.25)6(1)12$, and $\mu'/\mu_0 = 0.2(0.1)0.8(0.05)0.9(0.025)0.975$. Here the number within parentheses designates the width of the uniform subintervals into which the interval defined by the bracketing numbers has been subdivided.

METHODS OF INTERPOLATION

An examination of the tabular values of the Goldstein factor κ corresponding to values of μ_0 in the interval from 0.25 to 1, inclusive, reveals that interpolation with third differences is required to yield intermediate values of κ to comparable accuracy.

This conclusion is based upon the following analysis. The table of κ corresponding to $\mu_0 = 0.2$ and $p = 3$ contains the following entries, whose successive differences are shown:

μ_0	κ	Δ	Δ^2	Δ^3
0.25	1.6344			
0.50	1.6034	-0.0310		
0.75	1.5600	-0.0434	-0.0124	0.0059
1.00	1.5101	-0.0499	-0.0065	0.0039
1.25	1.4576	-0.0525	-0.0026	

Since the second differences are nearly in geometric progression, the Goldstein factor in the indicated range was fitted to an expression of the form

$$\kappa = c_0 - c_1 \mu_0 - c_2 e^{-c_3 \mu_0} \quad [32]$$

where the c 's are positive numbers.

Substitution of the first four values of μ_0 and κ in Equation [32] yields four equations, whose simultaneous solution yields the values

$$c_0 = 1.7462$$

$$c_1 = 0.2282$$

$$c_2 = 0.1045$$

$$c_3 = 2.5836$$

With this choice of coefficients, Equation [32] yields the approximation 1.4568 to the value of κ when $\mu_0 = 1.25$.

We observe that if we interpolate in the table, the effect of the higher differences is most pronounced when we attempt to calculate the value of κ corresponding to $\mu_0 = 0.375$.

The Newton interpolation formula with forward differences gives

$$\begin{aligned} f(x_0 + kh) = f(x_0) + k \Delta f(x_0) + \frac{k(k-1)}{2!} \Delta^2 f(x_0) \\ + \frac{k(k-1)(k-2)}{3!} \Delta^3 f(x_0) + \dots \end{aligned} \quad [33]$$

where h is the tabular interval; $\Delta f(x_0)$ represents the first forward difference, that is, $f(x_0 + h) - f(x_0)$; and similarly for $\Delta^2 f(x_0)$, $\Delta^3 f(x_0)$, etc.

Thus, if linear interpolation is used, the approximation 1.6189 is found for the value κ corresponding to $\mu_0 = 0.375$ when $\mu/\mu_0 = 0.2$, $p = 3$. The use of second differences gives $\kappa = 1.6204$, whereas third differences give the improved estimate 1.6208.

Substitution of $\mu_0 = 0.375$ in Equation [32], with the appropriate choice of coefficients, yields $\kappa = 1.6209$. Consequently, we infer that in this worst case, interpolation by means of third differences suffices to yield accuracy to within a unit in the fourth decimal place or fifth significant figure.

Inasmuch as the successive differences are not shown in the tables in this report, it is perhaps more convenient to interpolate by means of tables of Lagrangian interpolation coefficients.¹⁰

Since $n + 1$ successive tabulated functional values are required to determine the n th difference, it is evident that four-point Lagrangian interpolation is equivalent to Newtonian interpolation with third differences.

In the specific interpolation considered above, the Lagrangian four-point formula yields

$$\begin{aligned}\kappa(0.375) &= \frac{5}{16} \kappa(0.25) + \frac{15}{16} \kappa(0.5) - \frac{5}{16} \kappa(0.75) + \frac{1}{16} \kappa(1) \\ &= \frac{5}{16} (1.6344) + \frac{15}{16} (1.6034) - \frac{5}{16} (1.5600) + \frac{1}{16} (1.5101) \\ &= 1.6209\end{aligned}$$

Corresponding to values of μ_0 exceeding unity, three-point Lagrangian interpolation suffices to yield the full tabular accuracy.

TABLES
1 to 3
(Pages 13-67)

TABLE 1 Values of $\frac{1 + \mu^2}{\mu^2} \cdot \frac{\delta}{\pi^2} \sum_{m=0}^{\infty} \frac{T_{1,\nu}(\nu \mu)}{(2m+1)^2}$
P= 2

$\frac{\mu}{\mu_0}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.12756E 02	0.85240E 01	0.64139E 01	0.51525E 01	0.43155E 01	0.37209E 01
0.50	0.64139E 01	0.43155E 01	0.32779E 01	0.26646E 01	0.22631E 01	0.19826E 01
0.75	0.43155E 01	0.29359E 01	0.22631E 01	0.18725E 01	0.16225E 01	0.14523E 01
1.00	0.32779E 01	0.22631E 01	0.17775E 01	0.15024E 01	0.13316E 01	0.12193E 01
1.25	0.26646E 01	0.18725E 01	0.15024E 01	0.12992E 01	0.11776E 01	0.11011E 01
1.50	0.22631E 01	0.16225E 01	0.13316E 01	0.11776E 01	0.10895E 01	0.10370E 01
1.75	0.19826E 01	0.14523E 01	0.12193E 01	0.11011E 01	0.10370E 01	0.10014E 01
2.00	0.17775E 01	0.13316E 01	0.11428E 01	0.10517E 01	0.10053E 01	0.98169E 00
2.25	0.16225E 01	0.12434E 01	0.10895E 01	0.10192E 01	0.98615E 00	0.97130E 00
2.50	0.15024E 01	0.11776E 01	0.10517E 01	0.99779E 00	0.97490E 00	0.96643E 00
2.75	0.14076E 01	0.11277E 01	0.10246E 01	0.98382E 00	0.96869E 00	0.96486E 00
3.00	0.13316E 01	0.10895E 01	0.10053E 01	0.97490E 00	0.96571E 00	0.96526E 00
3.25	0.12699E 01	0.10599E 01	0.99147E 00	0.96946E 00	0.96482E 00	0.96680E 00
3.50	0.12193E 01	0.10370E 01	0.98169E 00	0.96643E 00	0.96526E 00	0.96894E 00
3.75	0.11776E 01	0.10192E 01	0.97490E 00	0.96506E 00	0.96653E 00	0.97136E 00
4.00	0.11428E 01	0.10053E 01	0.97033E 00	0.96485E 00	0.96828E 00	0.97387E 00
4.25	0.11138E 01	0.99450E 00	0.96740E 00	0.96543E 00	0.97030E 00	0.97634E 00
4.50	0.10895E 01	0.98615E 00	0.96571E 00	0.96653E 00	0.97244E 00	0.97869E 00
4.75	0.10690E 01	0.97975E 00	0.96494E 00	0.96797E 00	0.97458E 00	0.98088E 00
5.00	0.10517E 01	0.97490E 00	0.96485E 00	0.96961E 00	0.97668E 00	0.98290E 00
5.25	0.10370E 01	0.97130E 00	0.96526E 00	0.97136E 00	0.97869E 00	0.98474E 00
5.50	0.10246E 01	0.96869E 00	0.96604E 00	0.97315E 00	0.98058E 00	0.98640E 00
5.75	0.10142E 01	0.96688E 00	0.96707E 00	0.97494E 00	0.98234E 00	0.98789E 00
6.00	0.10053E 01	0.96571E 00	0.96828E 00	0.97668E 00	0.98397E 00	0.98923E 00
7.00	0.98169E 00	0.96526E 00	0.97387E 00	0.98290E 00	0.98923E 00	0.99326E 00
8.00	0.97033E 00	0.96828E 00	0.97933E 00	0.98769E 00	0.99280E 00	0.99575E 00
9.00	0.96571E 00	0.97244E 00	0.98397E 00	0.99120E 00	0.99516E 00	0.99727E 00
10.00	0.96485E 00	0.97668E 00	0.98769E 00	0.99370E 00	0.99671E 00	0.99821E 00
11.00	0.96604E 00	0.98058E 00	0.99058E 00	0.99546E 00	0.99773E 00	0.99880E 00
12.00	0.96828E 00	0.98397E 00	0.99280E 00	0.99671E 00	0.99841E 00	0.99917E 00

TABLE 1 (Continued)

P= 2

$\mu_0 \sqrt{\frac{\mu}{\mu_0}}$	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.32779E 01	0.30965E 01	0.29359E 01	0.28624E 01	0.27928E 01	0.27270E 01
0.50	0.17775E 01	0.16949E 01	0.16225E 01	0.15897E 01	0.15588E 01	0.15298E 01
0.75	0.13316E 01	0.12842E 01	0.12434E 01	0.12251E 01	0.12081E 01	0.11923E 01
1.00	0.11428E 01	0.11138E 01	0.10895E 01	0.10788E 01	0.10690E 01	0.10599E 01
1.25	0.10517E 01	0.10337E 01	0.10192E 01	0.10130E 01	0.10074E 01	0.10023E 01
1.50	0.10053E 01	0.99450E 00	0.98615E 00	0.98274E 00	0.97975E 00	0.97715E 00
1.75	0.98169E 00	0.97562E 00	0.97130E 00	0.96967E 00	0.96834E 00	0.96727E 00
2.00	0.97033E 00	0.96740E 00	0.96571E 00	0.96523E 00	0.96494E 00	0.96482E 00
2.25	0.96571E 00	0.96490E 00	0.96491E 00	0.96516E 00	0.96552E 00	0.96598E 00
2.50	0.96485E 00	0.96543E 00	0.96653E 00	0.96722E 00	0.96797E 00	0.96877E 00
2.75	0.96604E 00	0.96751E 00	0.96927E 00	0.97022E 00	0.97119E 00	0.97217E 00
3.00	0.96828E 00	0.97030E 00	0.97244E 00	0.97351E 00	0.97458E 00	0.97564E 00
3.25	0.97101E 00	0.97333E 00	0.97564E 00	0.97677E 00	0.97786E 00	0.97893E 00
3.50	0.97387E 00	0.97634E 00	0.97869E 00	0.97980E 00	0.98088E 00	0.98191E 00
3.75	0.97668E 00	0.97917E 00	0.98147E 00	0.98255E 00	0.98358E 00	0.98455E 00
4.00	0.97933E 00	0.98177E 00	0.98397E 00	0.98499E 00	0.98594E 00	0.98684E 00
4.25	0.98177E 00	0.98410E 00	0.98617E 00	0.98711E 00	0.98800E 00	0.98882E 00
4.50	0.98397E 00	0.98617E 00	0.98809E 00	0.98896E 00	0.98976E 00	0.99050E 00
4.75	0.98594E 00	0.98800E 00	0.98976E 00	0.99054E 00	0.99127E 00	0.99194E 00
5.00	0.98769E 00	0.98959E 00	0.99120E 00	0.99190E 00	0.99255E 00	0.99315E 00
5.25	0.98923E 00	0.99097E 00	0.99243E 00	0.99306E 00	0.99364E 00	0.99417E 00
5.50	0.99058E 00	0.99217E 00	0.99348E 00	0.99405E 00	0.99457E 00	0.99504E 00
5.75	0.99177E 00	0.99321E 00	0.99439E 00	0.99489E 00	0.99535E 00	0.99577E 00
6.00	0.99280E 00	0.99410E 00	0.99516E 00	0.99561E 00	0.99602E 00	0.99638E 00
7.00	0.99575E 00	0.99660E 00	0.99727E 00	0.99755E 00	0.99780E 00	0.99802E 00
8.00	0.99744E 00	0.99799E 00	0.99841E 00	0.99858E 00	0.99873E 00	0.99886E 00
9.00	0.99841E 00	0.99877E 00	0.99903E 00	0.99914E 00	0.99923E 00	0.99931E 00
10.00	0.99898E 00	0.99921E 00	0.99939E 00	0.99945E 00	0.99951E 00	0.99957E 00
11.00	0.99932E 00	0.99948E 00	0.99959E 00	0.99964E 00	0.99968E 00	0.99971E 00
12.00	0.99954E 00	0.99964E 00	0.99972E 00	0.99975E 00	0.99978E 00	0.99980E 00

TABLE 1 (Continued)

P= 3

$\mu_0 \backslash \frac{\mu}{\mu_0}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.50891E 01	0.40168E 01	0.33829F 01	0.29549E 01	0.26429F 01	0.24038E 01
0.50	0.33829E 01	0.26429E 01	0.22141E 01	0.19314E 01	0.17309E 01	0.15819E 01
0.75	0.26429E 01	0.20596E 01	0.17309E 01	0.15212E 01	0.13781E 01	0.12761E 01
1.00	0.22141E 01	0.17309E 01	0.14677E 01	0.13065E 01	0.12016E 01	0.11306E 01
1.25	0.19314E 01	0.15212E 01	0.13065E 01	0.11812E 01	0.11040E 01	0.10550E 01
1.50	0.17309E 01	0.13781E 01	0.12016E 01	0.11040E 01	0.10476E 01	0.10145E 01
1.75	0.15819E 01	0.12761E 01	0.11306E 01	0.10550E 01	0.10145E 01	0.99291E 00
2.00	0.14677E 01	0.12016E 01	0.10817E 01	0.10236E 01	0.99519E 00	0.98199E 00
2.25	0.13781E 01	0.11459E 01	0.10476E 01	0.10035E 01	0.98434E 00	0.97713E 00
2.50	0.13065E 01	0.11040E 01	0.10236E 01	0.99083E 00	0.97867E 00	0.97571E 00
2.75	0.12487E 01	0.10720E 01	0.10068E 01	0.98310E 00	0.97621E 00	0.97620E 00
3.00	0.12016E 01	0.10476E 01	0.99519E 00	0.97867E 00	0.97571E 00	0.97769E 00
3.25	0.11628E 01	0.10289E 01	0.98725E 00	0.97646E 00	0.97637E 00	0.97965E 00
3.50	0.11306E 01	0.10145E 01	0.98199E 00	0.97571E 00	0.97769E 00	0.98176E 00
3.75	0.11040E 01	0.10035E 01	0.97867E 00	0.97593E 00	0.97935E 00	0.98384E 00
4.00	0.10817E 01	0.99519E 00	0.97676E 00	0.97676E 00	0.98115E 00	0.98581E 00
4.25	0.10631E 01	0.98895E 00	0.97587E 00	0.97795E 00	0.98296E 00	0.98760E 00
4.50	0.10476E 01	0.98434E 00	0.97571E 00	0.97935E 00	0.98470E 00	0.98920E 00
4.75	0.10345E 01	0.98100E 00	0.97605E 00	0.98035E 00	0.98634E 00	0.99062E 00
5.00	0.10236E 01	0.97867E 00	0.97676E 00	0.98216E 00	0.98784E 00	0.99187E 00
5.25	0.10145E 01	0.97713E 00	0.97769E 00	0.98384E 00	0.98920E 00	0.99295E 00
5.50	0.10068E 01	0.97621E 00	0.97878E 00	0.98526E 00	0.99043F 00	0.99389E 00
5.75	0.10005E 01	0.97577E 00	0.97995E 00	0.98660E 00	0.99153E 00	0.99469E 00
6.00	0.99519E 00	0.97571E 00	0.98115E 00	0.98784E 00	0.99250E 00	0.99539E 00
7.00	0.98199E 00	0.97769E 00	0.98581E 00	0.99187E 00	0.99539E 00	0.99733E 00
8.00	0.97676E 00	0.98115E 00	0.98963E 00	0.99459E 00	0.99712E 00	0.99840E 00
9.00	0.97571E 00	0.98470E 00	0.99250E 00	0.99637E 00	0.99815E 00	0.99900E 00
10.00	0.97676E 00	0.98784E 00	0.99459E 00	0.99752E 00	0.99878E 00	0.99935E 00
11.00	0.97878E 00	0.99043E 00	0.99607E 00	0.99828E 00	0.99917E 00	0.99956E 00
12.00	0.98115E 00	0.99250E 00	0.99712E 00	0.99878E 00	0.99942E 00	0.99969E 00

TABLE 1 (Continued)

P= 3

$\mu_0 \frac{\mu}{\mu_0}$	0.8	0.65	0.9	0.925	0.950	0.975
0.25	0.22141E 01	0.21331E 01	0.20596E 01	0.20254E 01	0.19926E 01	0.19613E 01
0.50	0.14677E 01	0.14203E 01	0.13781E 01	0.13587E 01	0.13404E 01	0.13230E 01
0.75	0.12016E 01	0.11718E 01	0.11459E 01	0.11343E 01	0.11235E 01	0.11134E 01
1.00	0.10817E 01	0.10631E 01	0.10476E 01	0.10407E 01	0.10345E 01	0.10288E 01
1.25	0.10236E 01	0.10124E 01	0.10035E 01	0.99976E 00	0.99642E 00	0.99346E 00
1.50	0.99519E 00	0.98895E 00	0.98434E 00	0.98253E 00	0.98100E 00	0.97973E 00
1.75	0.98199E 00	0.97900E 00	0.97713E 00	0.97653E 00	0.97611E 00	0.97584E 00
2.00	0.97676E 00	0.97587E 00	0.97571E 00	0.97583E 00	0.97605E 00	0.97637E 00
2.25	0.97571E 00	0.97613E 00	0.97697E 00	0.97750E 00	0.97809E 00	0.97871E 00
2.50	0.97676E 00	0.97795E 00	0.97935E 00	0.98010E 00	0.98085E 00	0.98161E 00
2.75	0.97878E 00	0.98040E 00	0.98206E 00	0.98289E 00	0.98370E 00	0.98449E 00
3.00	0.98115E 00	0.98296E 00	0.98470E 00	0.98554E 00	0.98634E 00	0.98711E 00
3.25	0.98355E 00	0.98540E 00	0.98711E 00	0.98790E 00	0.98865E 00	0.98937E 00
3.50	0.98581E 00	0.98760E 00	0.98920E 00	0.98994E 00	0.99062E 00	0.99127E 00
3.75	0.98784E 00	0.98952E 00	0.99100E 00	0.99166E 00	0.99227E 00	0.99284E 00
4.00	0.98963E 00	0.99118E 00	0.99250E 00	0.99309E 00	0.99363E 00	0.99413E 00
4.25	0.99118E 00	0.99258E 00	0.99376E 00	0.99428E 00	0.99475E 00	0.99518E 00
4.50	0.99250E 00	0.99376E 00	0.99480E 00	0.99525E 00	0.99566E 00	0.99603E 00
4.75	0.99363E 00	0.99475E 00	0.99566E 00	0.99605E 00	0.99640E 00	0.99672E 00
5.00	0.99459E 00	0.99557E 00	0.99637E 00	0.99670E 00	0.99701E 00	0.99728E 00
5.25	0.99539E 00	0.99626E 00	0.99695E 00	0.99724E 00	0.99750E 00	0.99773E 00
5.50	0.99607E 00	0.99683E 00	0.99743E 00	0.99768E 00	0.99790E 00	0.99810E 00
5.75	0.99664E 00	0.99730E 00	0.99782E 00	0.99804E 00	0.99823E 00	0.99840E 00
6.00	0.99712E 00	0.99770E 00	0.99815E 00	0.99834E 00	0.99850E 00	0.99865E 00
7.00	0.99840E 00	0.99874E 00	0.99900E 00	0.99910E 00	0.99919E 00	0.99927E 00
8.00	0.99906E 00	0.99926E 00	0.99942E 00	0.99948E 00	0.99953E 00	0.99958E 00
9.00	0.99942E 00	0.99955E 00	0.99964E 00	0.99968E 00	0.99971E 00	0.99974E 00
10.00	0.99962E 00	0.99970E 00	0.99977E 00	0.99979E 00	0.99981E 00	0.99983E 00
11.00	0.99974E 00	0.99980E 00	0.99984E 00	0.99986E 00	0.99987E 00	0.99989E 00
12.00	0.99982E 00	0.99986E 00	0.99989E 00	0.99990E 00	0.99991E 00	0.99992E 00

TABLE 1 (Continued)

P= 4

$\mu_o \frac{\mu}{\mu_o}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.27797E 01	0.24597E 01	0.22369E 01	0.20681E 01	0.19336E 01	0.18230E 01
0.50	0.22369E 01	0.19336E 01	0.17300E 01	0.15818E 01	0.14689E 01	0.13805E 01
0.75	0.17336E 01	0.16506E 01	0.14689E 01	0.13432E 01	0.12524E 01	0.11854E 01
1.00	0.17300E 01	0.14689E 01	0.13097E 01	0.12056E 01	0.11350E 01	0.10863E 01
1.25	0.15818E 01	0.13432E 01	0.12056E 01	0.11211E 01	0.10678E 01	0.10338E 01
1.50	0.14689E 01	0.12524E 01	0.11350E 01	0.10678E 01	0.10287E 01	0.10061E 01
1.75	0.13805E 01	0.11854E 01	0.10863E 01	0.10338E 01	0.10061E 01	0.99188E 00
2.00	0.13097E 01	0.11350E 01	0.10524E 01	0.10122E 01	0.99334E 00	0.98527E 00
2.25	0.12524E 01	0.10969E 01	0.10287E 01	0.99875E 00	0.98661E 00	0.98285E 00
2.50	0.12056E 01	0.10678E 01	0.10122E 01	0.99057E 00	0.98352E 00	0.98270E 00
2.75	0.11670E 01	0.10456E 01	0.10009E 01	0.98590E 00	0.98259E 00	0.98370E 00
3.00	0.11350E 01	0.10287E 01	0.99334E 00	0.98352E 00	0.98290E 00	0.98523E 00
3.25	0.11084E 01	0.10158E 01	0.98836E 00	0.98263E 00	0.98390E 00	0.98693E 00
3.50	0.10863E 01	0.10061E 01	0.98527E 00	0.98270E 00	0.98523E 00	0.98861E 00
3.75	0.10678E 01	0.99875E 00	0.98352E 00	0.98334E 00	0.98669E 00	0.99016E 00
4.00	0.10524E 01	0.99334E 00	0.98272E 00	0.98432E 00	0.98814E 00	0.99156E 00
4.25	0.10395E 01	0.98940E 00	0.98259E 00	0.98547E 00	0.98951E 00	0.99278E 00
4.50	0.10287E 01	0.98661E 00	0.98290E 00	0.98669E 00	0.99078E 00	0.99384E 00
4.75	0.10197E 01	0.98472E 00	0.98352E 00	0.98790E 00	0.99193E 00	0.99474E 00
5.00	0.10122E 01	0.98352E 00	0.98432E 00	0.98907E 00	0.99294E 00	0.99551E 00
5.25	0.10061E 01	0.98285E 00	0.98523E 00	0.99016E 00	0.99384E 00	0.99616E 00
5.50	0.10009E 01	0.98259E 00	0.98620E 00	0.99118E 00	0.99462E 00	0.99671E 00
5.75	0.99676E 00	0.98263E 00	0.98717E 00	0.99210E 00	0.99530E 00	0.99718E 00
6.00	0.99334E 00	0.98290E 00	0.98814E 00	0.99294E 00	0.99590E 00	0.99757E 00
7.00	0.98527E 00	0.98523E 00	0.99156E 00	0.99551E 00	0.99757E 00	0.99862E 00
8.00	0.98272E 00	0.98814E 00	0.99411E 00	0.99712E 00	0.99851E 00	0.99917E 00
9.00	0.98290E 00	0.99078E 00	0.99590E 00	0.99811E 00	0.99905E 00	0.99948E 00
10.00	0.98432E 00	0.99294E 00	0.99712E 00	0.99872E 00	0.99937E 00	0.99966E 00
11.00	0.98620E 00	0.99462E 00	0.99794E 00	0.99911E 00	0.99957E 00	0.99977E 00
12.00	0.98814E 00	0.99590E 00	0.99851E 00	0.99937E 00	0.99969E 00	0.99983E 00

TABLE 1 (Continued)

p= 4

$\frac{\mu}{\mu_0} / \frac{\mu}{\mu_0}$	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.17300E 01	0.16888E 01	0.16506 01	0.16325E 01	0.16150E 01	0.15981E 01
0.50	0.13097E 01	0.12796E 01	0.12524E 01	0.12398E 01	0.12279E 01	0.12165E 01
0.75	0.11350E 01	0.11146E 01	0.10969E 01	0.10889E 01	0.10813E 01	0.10743E 01
1.00	0.10524E 01	0.10395E 01	0.10287E 01	0.10240E 01	0.10197E 01	0.10158E 01
1.25	0.10122E 01	0.10047E 01	0.99875E 00	0.99629E 00	0.99412E 00	0.99223E 00
1.50	0.99334E 00	0.98940E 00	0.98661E 00	0.98557E 00	0.98472E 00	0.98404E 00
1.75	0.98527E 00	0.98368E 00	0.98285E 00	0.98265E 00	0.98257E 00	0.98259E 00
2.00	0.98272E 00	0.98259E 00	0.98290E 00	0.98318E 00	0.98352E 00	0.98390E 00
2.25	0.98290E 00	0.98361E 00	0.98454E 00	0.98506E 00	0.98559E 00	0.98614E 00
2.50	0.98432E 00	0.98547E 00	0.98669E 00	0.98730E 00	0.98790E 00	0.98849E 00
2.75	0.98620E 00	0.98754E 00	0.98884E 00	0.98946E 00	0.99006E 00	0.99063E 00
3.00	0.98814E 00	0.98951E 00	0.99078E 00	0.99137E 00	0.99193E 00	0.99245E 00
3.25	0.98995E 00	0.99127E 00	0.99245E 00	0.99298E 00	0.99348E 00	0.99394E 00
3.50	0.99156E 00	0.99278E 00	0.99384E 00	0.99431E 00	0.99474E 00	0.99514E 00
3.75	0.99294E 00	0.99404E 00	0.99498E 00	0.99538E 00	0.99576E 00	0.99610E 00
4.00	0.99411E 00	0.99509E 00	0.99590E 00	0.99625E 00	0.99656E 00	0.99685E 00
4.25	0.99509E 00	0.99594E 00	0.99664E 00	0.99694E 00	0.99721E 00	0.99745E 00
4.50	0.99590E 00	0.99664E 00	0.99724E 00	0.99749E 00	0.99772E 00	0.99792E 00
4.75	0.99656E 00	0.99721E 00	0.99772E 00	0.99793E 00	0.99812E 00	0.99830E 00
5.00	0.99712E 00	0.99767E 00	0.99811E 00	0.99829E 00	0.99845E 00	0.99859E 00
5.25	0.99757E 00	0.99805E 00	0.99842E 00	0.99857E 00	0.99871E 00	0.99883E 00
5.50	0.99794E 00	0.99835E 00	0.99867E 00	0.99880E 00	0.99892E 00	0.99902E 00
5.75	0.99825E 00	0.99861E 00	0.99888E 00	0.99899E 00	0.99909E 00	0.99917E 00
6.00	0.99851E 00	0.99882E 00	0.99905E 00	0.99915E 00	0.99923E 00	0.99930E 00
7.00	0.99917E 00	0.99935E 00	0.99948E 00	0.99953E 00	0.99958E 00	0.99962E 00
8.00	0.99951E 00	0.99962E 00	0.99969E 00	0.99973E 00	0.99975E 00	0.99978E 00
9.00	0.99969E 00	0.99976E 00	0.99981E 00	0.99983E 00	0.99985E 00	0.99986E 00
10.00	0.99980E 00	0.99984E 00	0.99987E 00	0.99989E 00	0.99990E 00	0.99991E 00
11.00	0.99986E 00	0.99989E 00	0.99991E 00	0.99992E 00	0.99993E 00	0.99994E 00
12.00	0.99990E 00	0.99992E 00	0.99994E 00	0.99995E 00	0.99995E 00	0.99996E 00

TABLE 1 (Continued)

P= 5

$\frac{\mu}{\mu_0}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.19273E 01	0.18164E 01	0.17267E 01	0.16510E 01	0.15858E 01	0.15286E 01
0.50	0.17267E 01	0.15858E 01	0.14779E 01	0.13923E 01	0.13229E 01	0.12659E 01
0.75	0.15858E 01	0.14328E 01	0.13229E 01	0.12412E 01	0.11795E 01	0.11324E 01
1.00	0.14779E 01	0.13229E 01	0.12188E 01	0.11468E 01	0.10964E 01	0.10610E 01
1.25	0.13923E 01	0.12412E 01	0.11468E 01	0.10863E 01	0.10474E 01	0.10226E 01
1.50	0.13229E 01	0.11795E 01	0.10964E 01	0.10474E 01	0.10188E 01	0.10025E 01
1.75	0.12659E 01	0.11324E 01	0.10610E 01	0.10226E 01	0.10025E 01	0.99260E 00
2.00	0.12188E 01	0.10964E 01	0.10361E 01	0.10069E 01	0.99359E 00	0.98833E 00
2.25	0.11795E 01	0.10687E 01	0.10188E 01	0.99734E 00	0.98915E 00	0.98708E 00
2.50	0.11468E 01	0.10474E 01	0.10069E 01	0.99172E 00	0.98736E 00	0.98739E 00
2.75	0.11193E 01	0.10312E 01	0.99888E 00	0.98871E 00	0.98708E 00	0.98844E 00
3.00	0.10964E 01	0.10188E 01	0.99359E 00	0.98736E 00	0.98764E 00	0.98976E 00
3.25	0.10771E 01	0.10095E 01	0.99027E 00	0.98705E 00	0.98862E 00	0.99112E 00
3.50	0.10610E 01	0.10025E 01	0.98833E 00	0.98739E 00	0.98976E 00	0.99240E 00
3.75	0.10474E 01	0.99734E 00	0.98736E 00	0.98810E 00	0.99093E 00	0.99355E 00
4.00	0.10361E 01	0.99359E 00	0.98705E 00	0.98899E 00	0.99205E 00	0.99454E 00
4.25	0.10267E 01	0.99095E 00	0.98720E 00	0.98996E 00	0.99307E 00	0.99539E 00
4.50	0.10188E 01	0.98915E 00	0.98764E 00	0.99093E 00	0.99399E 00	0.99610E 00
4.75	0.10123E 01	0.98801E 00	0.98826E 00	0.99187E 00	0.99480E 00	0.99671E 00
5.00	0.10069E 01	0.98736E 00	0.98899E 00	0.99274E 00	0.99550E 00	0.99721E 00
5.25	0.10025E 01	0.98708E 00	0.98976E 00	0.99355E 00	0.99610E 00	0.99763E 00
5.50	0.99888E 00	0.98708E 00	0.99055E 00	0.99427E 00	0.99663E 00	0.99798E 00
5.75	0.99595E 00	0.98729E 00	0.99131E 00	0.99492E 00	0.99707E 00	0.99827E 00
6.00	0.99359E 00	0.98764E 00	0.99205E 00	0.99550E 00	0.99746E 00	0.99851E 00
7.00	0.98833E 00	0.98976E 00	0.99454E 00	0.99721E 00	0.99851E 00	0.99916E 00
8.00	0.98705E 00	0.99205E 00	0.99629E 00	0.99823E 00	0.99909E 00	0.99949E 00
9.00	0.98764E 00	0.99399E 00	0.99746E 00	0.99884E 00	0.99942E 00	0.99968E 00
10.00	0.98899E 00	0.99550E 00	0.99823E 00	0.99922E 00	0.99961E 00	0.99979E 00
11.00	0.99055E 00	0.99663E 00	0.99874E 00	0.99946E 00	0.99973E 00	0.99985E 00
12.00	0.99205E 00	0.99746E 00	0.99909E 00	0.99961E 00	0.99981E 00	0.99990E 00

TABLE 1 (Continued)

$\frac{\mu}{\mu_0}$	P= S						
	0.3	0.85	0.9	0.925	0.950	0.975	
0.25	0.14779E 01	0.14547E 01	0.14328E 01	0.14223E 01	0.14120E 01	0.14020E 01	01
0.50	0.12188E 01	0.11983E 01	0.11795E 01	0.11708E 01	0.11624E 01	0.11544E 01	01
0.75	0.10964E 01	0.10816E 01	0.10687E 01	0.10628E 01	0.10574E 01	0.10522E 01	01
1.00	0.10361E 01	0.10267E 01	0.10188E 01	0.10154E 01	0.10123E 01	0.10095E 01	01
1.25	0.10069E 01	0.10015E 01	0.99734E 00	0.99562E 00	0.99413E 00	0.99284E 00	00
1.50	0.99359E 00	0.99095E 00	0.98915E 00	0.98851E 00	0.98801E 00	0.98763E 00	00
1.75	0.98833E 00	0.98744E 00	0.98708E 00	0.98705E 00	0.98710E 00	0.98722E 00	00
2.00	0.98705E 00	0.98720E 00	0.98764E 00	0.98794E 00	0.98826E 00	0.98862E 00	00
2.25	0.98764E 00	0.98835E 00	0.98918E 00	0.98962E 00	0.99006E 00	0.99050E 00	00
2.50	0.98899E 00	0.98996E 00	0.99093E 00	0.99141E 00	0.99187E 00	0.99231E 00	00
2.75	0.99055E 00	0.99159E 00	0.99257E 00	0.99303E 00	0.99347E 00	0.99388E 00	00
3.00	0.99205E 00	0.99307E 00	0.99399E 00	0.99441E 00	0.99480E 00	0.99516E 00	00
3.25	0.99339E 00	0.99434E 00	0.99516E 00	0.99553E 00	0.99586E 00	0.99617E 00	00
3.50	0.99454E 00	0.99539E 00	0.99610E 00	0.99642E 00	0.99671E 00	0.99697E 00	00
3.75	0.99550E 00	0.99624E 00	0.99686E 00	0.99713E 00	0.99737E 00	0.99759E 00	00
4.00	0.99629E 00	0.99693E 00	0.99746E 00	0.99768E 00	0.99788E 00	0.99807E 00	00
4.25	0.99693E 00	0.99749E 00	0.99793E 00	0.99812E 00	0.99829E 00	0.99844E 00	00
4.50	0.99746E 00	0.99793E 00	0.99831E 00	0.99846E 00	0.99860E 00	0.99873E 00	00
4.75	0.99788E 00	0.99829E 00	0.99860E 00	0.99874E 00	0.99886E 00	0.99896E 00	00
5.00	0.99823E 00	0.99857E 00	0.99884E 00	0.99895E 00	0.99905E 00	0.99914E 00	00
5.25	0.99851E 00	0.99881E 00	0.99903E 00	0.99913E 00	0.99921E 00	0.99929E 00	00
5.50	0.99874E 00	0.99900E 00	0.99919E 00	0.99927E 00	0.99934E 00	0.99940E 00	00
5.75	0.99893E 00	0.99915E 00	0.99932E 00	0.99938E 00	0.99944E 00	0.99950E 00	00
6.00	0.99909E 00	0.99928E 00	0.99942E 00	0.99948E 00	0.99953E 00	0.99957E 00	00
7.00	0.99949E 00	0.99960E 00	0.99968E 00	0.99971E 00	0.99974E 00	0.99977E 00	00
8.00	0.99970E 00	0.99976E 00	0.99981E 00	0.99983E 00	0.99985E 00	0.99986E 00	00
9.00	0.99981E 00	0.99985E 00	0.99988E 00	0.99989E 00	0.99990E 00	0.99991E 00	00
10.00	0.99987E 00	0.99990E 00	0.99992E 00	0.99993E 00	0.99994E 00	0.99994E 00	00
11.00	0.99991E 00	0.99993E 00	0.99995E 00	0.99995E 00	0.99996E 00	0.99996E 00	00
12.00	0.99994E 00	0.99995E 00	0.99996E 00	0.99997E 00	0.99997E 00	0.99997E 00	00

TABLE 1 (Continued)
P= 6

$\frac{\mu}{\mu_0}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.15544E 01	0.15101E 01	0.14691E 01	0.14311E 01	0.13960E 01	0.13635E 01
0.50	0.14691E 01	0.13960E 01	0.13334E 01	0.12799E 01	0.12342E 01	0.11952E 01
0.75	0.13960E 01	0.13056E 01	0.12342E 01	0.11779E 01	0.11336E 01	0.10990E 01
1.00	0.13334E 01	0.12342E 01	0.11619E 01	0.11096E 01	0.10720E 01	0.10452E 01
1.25	0.12799E 01	0.11779E 01	0.11096E 01	0.10644E 01	0.10349E 01	0.10160E 01
1.50	0.12342E 01	0.11336E 01	0.10720E 01	0.10349E 01	0.10132E 01	0.10009E 01
1.75	0.11952E 01	0.10990E 01	0.10452E 01	0.10160E 01	0.10009E 01	0.99365E 00
2.00	0.11619E 01	0.10720E 01	0.10263E 01	0.10042E 01	0.99436E 00	0.99073E 00
2.25	0.11336E 01	0.10511E 01	0.10132E 01	0.99707E 00	0.99127E 00	0.99008E 00
2.50	0.11096E 01	0.10349E 01	0.10042E 01	0.99303E 00	0.99017E 00	0.99054E 00
2.75	0.10892E 01	0.10225E 01	0.99820E 00	0.99098E 00	0.99019E 00	0.99149E 00
3.00	0.10720E 01	0.10132E 01	0.99436E 00	0.99017E 00	0.99079E 00	0.99259E 00
3.25	0.10575E 01	0.10061E 01	0.99202E 00	0.99013E 00	0.99164E 00	0.99366E 00
3.50	0.10452E 01	0.10009E 01	0.99073E 00	0.99054E 00	0.99259E 00	0.99464E 00
3.75	0.10349E 01	0.99707E 00	0.99017E 00	0.99120E 00	0.99351E 00	0.99549E 00
4.00	0.10263E 01	0.99436E 00	0.99010E 00	0.99196E 00	0.99437E 00	0.99622E 00
4.25	0.10191E 01	0.99249E 00	0.99034E 00	0.99274E 00	0.99514E 00	0.99683E 00
4.50	0.10132E 01	0.99127E 00	0.99079E 00	0.99351E 00	0.99582E 00	0.99734E 00
4.75	0.10082E 01	0.99054E 00	0.99134E 00	0.99423E 00	0.99640E 00	0.99776E 00
5.00	0.10042E 01	0.99017E 00	0.99196E 00	0.99490E 00	0.99691E 00	0.99811E 00
5.25	0.10009E 01	0.99008E 00	0.99259E 00	0.99549E 00	0.99734E 00	0.99839E 00
5.50	0.99820E 00	0.99019E 00	0.99321E 00	0.99602E 00	0.99770E 00	0.99863E 00
5.75	0.99606E 00	0.99044E 00	0.99381E 00	0.99649E 00	0.99801E 00	0.99883E 00
6.00	0.99436E 00	0.99079E 00	0.99437E 00	0.99691E 00	0.99828E 00	0.99900E 00
7.00	0.99073E 00	0.99259E 00	0.99622E 00	0.99811E 00	0.99900E 00	0.99943E 00
8.00	0.99010E 00	0.99437E 00	0.99746E 00	0.99880E 00	0.99938E 00	0.99966E 00
9.00	0.99079E 00	0.99582E 00	0.99828E 00	0.99922E 00	0.99960E 00	0.99978E 00
10.00	0.99196E 00	0.99691E 00	0.99880E 00	0.99947E 00	0.99974E 00	0.99985E 00
11.00	0.99321E 00	0.99770E 00	0.99915E 00	0.99963E 00	0.99982E 00	0.99990E 00
12.00	0.99437E 00	0.99828E 00	0.99938E 00	0.99974E 00	0.99987E 00	0.99993E 00

TABLE 1 (Continued)

 $\mu =$

6

$\mu_0 \frac{\mu}{\mu_0}$	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.13334E 01	0.13193E 01	0.13056E 01	0.12990E 01	0.12925E 01	0.12862E 01
0.50	0.11619E 01	0.11472E 01	0.11336E 01	0.11273E 01	0.11211E 01	0.11153E 01
0.75	0.10720E 01	0.10609E 01	0.10511E 01	0.10466E 01	0.10425E 01	0.10386E 01
1.00	0.10263E 01	0.10191E 01	0.10132E 01	0.10106E 01	0.10082E 01	0.10061E 01
1.25	0.10042E 01	0.10002E 01	0.99707E 00	0.99582E 00	0.99474E 00	0.99382E 00
1.50	0.99436E 00	0.99249E 00	0.99127E 00	0.99085E 00	0.99054E 00	0.99031E 00
1.75	0.99073E 00	0.99021E 00	0.99008E 00	0.99012E 00	0.99022E 00	0.99037E 00
2.00	0.99010E 00	0.99034E 00	0.99079E 00	0.99105E 00	0.99134E 00	0.99164E 00
2.25	0.99079E 00	0.99142E 00	0.99211E 00	0.99247E 00	0.99282E 00	0.99317E 00
2.50	0.99196E 00	0.99274E 00	0.99351E 00	0.99388E 00	0.99423E 00	0.99457E 00
2.75	0.99321E 00	0.99402E 00	0.99477E 00	0.99511E 00	0.99543E 00	0.99574E 00
3.00	0.99437E 00	0.99514E 00	0.99582E 00	0.99612E 00	0.99640E 00	0.99667E 00
3.25	0.99538E 00	0.99607E 00	0.99667E 00	0.99693E 00	0.99717E 00	0.99739E 00
3.50	0.99622E 00	0.99683E 00	0.99734F 00	0.99756E 00	0.99776E 00	0.99794F 00
3.75	0.99691E 00	0.99743E 00	0.99786E 00	0.99805E 00	0.99821E 00	0.99837E 00
4.00	0.99746E 00	0.99791E 00	0.99828E 00	0.99843E 00	0.99857E 00	0.99869E 00
4.25	0.99791E 00	0.99830E 00	0.99860E 00	0.99873E 00	0.99884E 00	0.99895E 00
4.50	0.99828E 00	0.99860E 00	0.99886E 00	0.99896E 00	0.99906E 00	0.99914E 00
4.75	0.99857E 00	0.99884E 00	0.99906E 00	0.99915E 00	0.99923E 00	0.99930E 00
5.00	0.99880E 00	0.99904E 00	0.99922E 00	0.99929E 00	0.99936E 00	0.99942F 00
5.25	0.99900E 00	0.99919E 00	0.99935E 00	0.99941E 00	0.99947E 00	0.99952E 00
5.50	0.99915E 00	0.99932E 00	0.99945E 00	0.99951E 00	0.99955E 00	0.99959E 00
5.75	0.99928E 00	0.99942E 00	0.99954F 00	0.99958E 00	0.99962E 00	0.99966L 00
6.00	0.99938E 00	0.99951E 00	0.99960E 00	0.99964E 00	0.99968E 00	0.99971E 00
7.00	0.99966E 00	0.99973E 00	0.99978E 00	0.99980E 00	0.99982E 00	0.99984E 00
8.00	0.99979E 00	0.99984E 00	0.99987E 00	0.99988E 00	0.99989E 00	0.99990E 00
9.00	0.99987E 00	0.99990E 00	0.99992E 00	0.99993E 00	0.99993E 00	0.99994E 00
10.00	0.99991E 00	0.99993E 00	0.99995F 00	0.99995E 00	0.99996F 00	0.99996E 00
11.00	0.99994E 00	0.99995E 00	0.99996E 00	0.99997E 00	0.99997E 00	0.99997E 00
12.00	0.99996E 00	0.99997E 00	0.99997E 00	0.99998E 00	0.99998E 00	0.99998E 00

TABLE 1 (Continued)

P= 7

$\mu_c / \frac{\mu}{\mu_0}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.13667E 01	0.13463E 01	0.13253E 01	0.13042E 01	0.12835E 01	0.12635E 01
0.50	0.13253E 01	0.12835E 01	0.12443E 01	0.12086E 01	0.11768E 01	0.11488E 01
0.75	0.12835E 01	0.12260E 01	0.11768E 01	0.11361E 01	0.11030E 01	0.10766E 01
1.00	0.12443E 01	0.11768E 01	0.11243E 01	0.10847E 01	0.10557E 01	0.10348E 01
1.25	0.12086E 01	0.11361E 01	0.10847E 01	0.10498E 01	0.10267E 01	0.10119E 01
1.50	0.11768E 01	0.11030E 01	0.10557E 01	0.10267E 01	0.10096E 01	0.10001E 01
1.75	0.11488E 01	0.10766E 01	0.10348E 01	0.10119E 01	0.10001E 01	0.99464E 00
2.00	0.11243E 01	0.10557E 01	0.10199E 01	0.10027E 01	0.99516E 00	0.99256E 00
2.25	0.11030E 01	0.10393E 01	0.10096E 01	0.99720E 00	0.99292E 00	0.99222E 00
2.50	0.10847E 01	0.10267E 01	0.10027E 01	0.99418E 00	0.99222E 00	0.99271E 00
2.75	0.10691E 01	0.10170E 01	0.99806E 00	0.99272E 00	0.99237E 00	0.99353E 00
3.00	0.10557E 01	0.10096E 01	0.99516E 00	0.99222E 00	0.99293E 00	0.99443E 00
3.25	0.10443E 01	0.10042E 01	0.99345E 00	0.99231E 00	0.99366E 00	0.99528E 00
3.50	0.10348E 01	0.10001E 01	0.99256E 00	0.99271E 00	0.99443E 00	0.99604E 00
3.75	0.10267E 01	0.99720E 00	0.99222E 00	0.99328E 00	0.99516E 00	0.99669E 00
4.00	0.10199E 01	0.99516E 00	0.99226E 00	0.99391E 00	0.99583E 00	0.99724E 00
4.25	0.10143E 01	0.99379E 00	0.99252E 00	0.99455E 00	0.99642E 00	0.99769E 00
4.50	0.10096E 01	0.99292E 00	0.99293E 00	0.99516E 00	0.99694E 00	0.99807E 00
4.75	0.10058E 01	0.99243E 00	0.99340E 00	0.99573E 00	0.99738E 00	0.99838E 00
5.00	0.10027E 01	0.99222E 00	0.99391E 00	0.99624E 00	0.99775E 00	0.99863E 00
5.25	0.10001E 01	0.99222E 00	0.99443E 00	0.99669E 00	0.99807E 00	0.99884E 00
5.50	0.99806E 00	0.99237E 00	0.99492E 00	0.99709E 00	0.99834E 00	0.99901E 00
5.75	0.99643E 00	0.99261E 00	0.99539E 00	0.99744E 00	0.99856E 00	0.99916E 00
6.00	0.99516E 00	0.99293E 00	0.99583E 00	0.99775E 00	0.99876E 00	0.99927E 00
7.00	0.99256E 00	0.99443E 00	0.99724E 00	0.99863E 00	0.99927E 00	0.99959E 00
8.00	0.99226E 00	0.99583E 00	0.99816E 00	0.99914E 00	0.99955E 00	0.99975E 00
9.00	0.99293E 00	0.99694E 00	0.99876E 00	0.99944E 00	0.99971E 00	0.99984E 00
10.00	0.99391E 00	0.99775E 00	0.99914E 00	0.99962E 00	0.99981E 00	0.99989E 00
11.00	0.99492E 00	0.99834E 00	0.99939E 00	0.99973E 00	0.99987E 00	0.99993E 00
12.00	0.99583E 00	0.99876E 00	0.99955E 00	0.99981E 00	0.99990E 00	0.99995E 00

TABLE 1 (Continued)

P= 7

$\mu_o \backslash \frac{\mu}{\mu_o}$	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.12443E 01	0.12350E 01	0.12260E 01	0.12216E 01	0.12172E 01	0.12129E 01
0.50	0.11243E 01	0.11133E 01	0.11030E 01	0.10982E 01	0.10935E 01	0.10891E 01
0.75	0.10557E 01	0.10470E 01	0.10393E 01	0.10359E 01	0.10326E 01	0.10296E 01
1.00	0.10199E 01	0.10143E 01	0.10096E 01	0.10076E 01	0.10058E 01	0.10042F 01
1.25	0.10027E 01	0.99955E 00	0.99720E 00	0.99626E 00	0.99545E 00	0.99476E 00
1.50	0.99516E 00	0.99379E 00	0.99242E 00	0.99263E 00	0.99243E 00	0.99230E 00
1.75	0.99256E 00	0.99224E 00	0.99222E 00	0.99229E 00	0.99240E 00	0.99254E 00
2.00	0.99226E 00	0.99252E 00	0.99293E 00	0.99316E 00	0.99340E 00	0.99366E 00
2.25	0.99293E 00	0.99347E 00	0.99404E 00	0.99433E 00	0.99462E 00	0.99489E 00
2.50	0.99391E 00	0.99455E 00	0.99516E 00	0.99545E 00	0.99573E 00	0.99599E 00
2.75	0.99492E 00	0.99556E 00	0.99614E 00	0.99640E 00	0.99665E 00	0.99688E 00
3.00	0.99583E 00	0.99642E 00	0.99694E 00	0.99717E 00	0.99738E 00	0.99757E 00
3.25	0.99660E 00	0.99713E 00	0.99757E 00	0.99777E 00	0.99794E 00	0.99810E 00
3.50	0.99724E 00	0.99769E 00	0.99807E 00	0.99823E 00	0.99838F 00	0.99851E 00
3.75	0.99775E 00	0.99814E 00	0.99845E 00	0.99859E 00	0.99871E 00	0.99882E 00
4.00	0.99816E 00	0.99849E 00	0.99876E 00	0.99887E 00	0.99897E 00	0.99906E 00
4.25	0.99849E 00	0.99877E 00	0.99899E 00	0.99908E 00	0.99917E 00	0.99924E 00
4.50	0.99876E 00	0.99899E 00	0.99917E 00	0.99925E 00	0.99932E 00	0.99938E 00
4.75	0.99897E 00	0.99917E 00	0.99932F 00	0.99938E 00	0.99944E 00	0.99949F 00
5.00	0.99914E 00	0.99931E 00	0.99944E 00	0.99949E 00	0.99954E 00	0.99958E 00
5.25	0.99927E 00	0.99942E 00	0.99953E 00	0.99957E 00	0.99961E 00	0.99965E 00
5.50	0.99939E 00	0.99951E 00	0.99960E 00	0.99964E 00	0.99968E 00	0.99971E 00
5.75	0.99948E 00	0.99958E 00	0.99966E 00	0.99970E 00	0.99973E 00	0.99975E 00
6.00	0.99955E 00	0.99964E 00	0.99971E 00	0.99974E 00	0.99977E 00	0.99979E 00
7.00	0.99975E 00	0.99980E 00	0.99984E 00	0.99986E 00	0.99987E 00	0.99988E 00
8.00	0.99985E 00	0.99988E 00	0.99990E 00	0.99991E 00	0.99992E 00	0.99993E 00
9.00	0.99990E 00	0.99992E 00	0.99994E 00	0.99995E 00	0.99995E 00	0.99996E 00
10.00	0.99994E 00	0.99995E 00	0.99996E 00	0.99996E 00	0.99997E 00	0.99997E 00
11.00	0.99996E 00	0.99997E 00	0.99997E 00	0.99997E 00	0.99998E 00	0.99998F 00
12.00	0.99997E 00	0.99998E 00	0.99998E 00	0.99998E 00	0.99998E 00	0.99999E 00

TABLE 1 (Continued)

P= 8

$\frac{\mu}{\mu_0} \backslash \mu_0$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.12609E 01	0.12502E 01	0.12382E 01	0.12254E 01	0.12123E 01	0.11991E 01
0.50	0.12382E 01	0.12123E 01	0.11860E 01	0.11610E 01	0.11378E 01	0.11168E 01
0.75	0.12123E 01	0.11733E 01	0.11378E 01	0.11072E 01	0.10817E 01	0.10609E 01
1.00	0.11860E 01	0.11378E 01	0.10981E 01	0.10673E 01	0.10443E 01	0.10275E 01
1.25	0.11610E 01	0.11072E 01	0.10673E 01	0.10396E 01	0.10210E 01	0.10091E 01
1.50	0.11378E 01	0.10817E 01	0.10443E 01	0.10210E 01	0.10073E 01	0.99974E 00
1.75	0.11168E 01	0.10609E 01	0.10275E 01	0.10091E 01	0.99974E 00	0.99547E 00
2.00	0.10981E 01	0.10443E 01	0.10156E 01	0.10018E 01	0.99588E 00	0.99394E 00
2.25	0.10817E 01	0.10312E 01	0.10073E 01	0.99746E 00	0.99419E 00	0.99378E 00
2.50	0.10673E 01	0.10210E 01	0.10018E 01	0.99513E 00	0.99374E 00	0.99424E 00
2.75	0.10549E 01	0.10132E 01	0.99813E 00	0.99405E 00	0.99393E 00	0.99494E 00
3.00	0.10443E 01	0.10073E 01	0.99588E 00	0.99374E 00	0.99443E 00	0.99568E 00
3.25	0.10352E 01	0.10029E 01	0.99458E 00	0.99387E 00	0.99504E 00	0.99636E 00
3.50	0.10275E 01	0.99974E 00	0.99394E 00	0.99424E 00	0.99568E 00	0.99696E 00
3.75	0.10210E 01	0.99746E 00	0.99374E 00	0.99473E 00	0.99627E 00	0.99747E 00
4.00	0.10156E 01	0.99588E 00	0.99382E 00	0.99526E 00	0.99680E 00	0.99790E 00
4.25	0.10111E 01	0.99483E 00	0.99407E 00	0.99578E 00	0.99727E 00	0.99825E 00
4.50	0.10073E 01	0.99419E 00	0.99443E 00	0.99627E 00	0.99767E 00	0.99854E 00
4.75	0.10043E 01	0.99385E 00	0.99483E 00	0.99672E 00	0.99800E 00	0.99877E 00
5.00	0.10018E 01	0.99374E 00	0.99526E 00	0.99712E 00	0.99829E 00	0.99896E 00
5.25	0.99974E 00	0.99378E 00	0.99568E 00	0.99747E 00	0.99854E 00	0.99912E 00
5.50	0.99813E 00	0.99393E 00	0.99608E 00	0.99779E 00	0.99874E 00	0.99925E 00
5.75	0.99686E 00	0.99415E 00	0.99645E 00	0.99806E 00	0.99891E 00	0.99936E 00
6.00	0.99588E 00	0.99443E 00	0.99680E 00	0.99829E 00	0.99906E 00	0.99945E 00
7.00	0.99394E 00	0.99568E 00	0.99790E 00	0.99896E 00	0.99945E 00	0.99969E 00
8.00	0.99382E 00	0.99680E 00	0.99861E 00	0.99935E 00	0.99966E 00	0.99981E 00
9.00	0.99443E 00	0.99767E 00	0.99906E 00	0.99957E 00	0.99976E 00	0.99988E 00
10.00	0.99526E 00	0.99829E 00	0.99935E 00	0.99971E 00	0.99985E 00	0.99992E 00
11.00	0.99608E 00	0.99874E 00	0.99954E 00	0.99980E 00	0.99990E 00	0.99994E 00
12.00	0.99680E 00	0.99906E 00	0.99966E 00	0.99985E 00	0.99993E 00	0.99996E 00

TABLE 1 (Continued)

P= 8

$\mu_o \sqrt{\frac{\mu}{\mu_o}}$	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.11860E 01	0.11796E 01	0.11733E 01	0.11702E 01	0.11671E 01	0.11640E 01
0.50	0.10981E 01	0.10896E 01	0.10817E 01	0.10779E 01	0.10742E 01	0.10707E 01
0.75	0.10443E 01	0.10373E 01	0.10312E 01	0.10284E 01	0.10258E 01	0.10233E 01
1.00	0.10156E 01	0.10111E 01	0.10073E 01	0.10057E 01	0.10043E 01	0.10029E 01
1.25	0.10018E 01	0.99930E 00	0.99746E 00	0.99672E 00	0.99610E 00	0.99557E 00
1.50	0.99588E 00	0.99483E 00	0.99419E 00	0.99399E 00	0.99385E 00	0.99377E 00
1.75	0.99394E 00	0.99374E 00	0.99378E 00	0.99385E 00	0.99396E 00	0.99409E 00
2.00	0.99382E 00	0.99407E 00	0.99443E 00	0.99463E 00	0.99483E 00	0.99504E 00
2.25	0.99443E 00	0.99489E 00	0.99536E 00	0.99560E 00	0.99583E 00	0.99605E 00
2.50	0.99526E 00	0.99578E 00	0.99627E 00	0.99650E 00	0.99672E 00	0.99692E 00
2.75	0.99608E 00	0.99659E 00	0.99704E 00	0.99725E 00	0.99744E 00	0.99762E 00
3.00	0.99680E 00	0.99727E 00	0.99767E 00	0.99784E 00	0.99800E 00	0.99815E 00
3.25	0.99741E 00	0.99782E 00	0.99815E 00	0.99830E 00	0.99844E 00	0.99856E 00
3.50	0.99790E 00	0.99825E 00	0.99854E 00	0.99866E 00	0.99877E 00	0.99887E 00
3.75	0.99829E 00	0.99859E 00	0.99883E 00	0.99893E 00	0.99902E 00	0.99911E 00
4.00	0.99861E 00	0.99886E 00	0.99906E 00	0.99914E 00	0.99922E 00	0.99929E 00
4.25	0.99886E 00	0.99907E 00	0.99924E 00	0.99931E 00	0.99937E 00	0.99942E 00
4.50	0.99906E 00	0.99924E 00	0.99937E 00	0.99943E 00	0.99948E 00	0.99953E 00
4.75	0.99922E 00	0.99937E 00	0.99948E 00	0.99953E 00	0.99958E 00	0.99962E 00
5.00	0.99935E 00	0.99947E 00	0.99957E 00	0.99961E 00	0.99965E 00	0.99968E 00
5.25	0.99945E 00	0.99956E 00	0.99964E 00	0.99968E 00	0.99971E 00	0.99973E 00
5.50	0.99954E 00	0.99963E 00	0.99970E 00	0.99973E 00	0.99975E 00	0.99978E 00
5.75	0.99961E 00	0.99968E 00	0.99974E 00	0.99977E 00	0.99979E 00	0.99981E 00
6.00	0.99966E 00	0.99973E 00	0.99978E 00	0.99980E 00	0.99982E 00	0.99984E 00
7.00	0.99981E 00	0.99985E 00	0.99988E 00	0.99989E 00	0.99990E 00	0.99991E 00
8.00	0.99989E 00	0.99991E 00	0.99993E 00	0.99993E 00	0.99994E 00	0.99995E 00
9.00	0.99993E 00	0.99994E 00	0.99995E 00	0.99996E 00	0.99996E 00	0.99997E 00
10.00	0.99995E 00	0.99996E 00	0.99997E 00	0.99997E 00	0.99997E 00	0.99998E 00
11.00	0.99997E 00	0.99997E 00	0.99998E 00	0.99998E 00	0.99998E 00	0.99998E 00
12.00	0.99998E 00	0.99998E 00	0.99998E 00	0.99999E 00	0.99999E 00	0.99999E 00

TABLE 1 (Continued)

p= 9

$\mu_0 \left/ \frac{\mu}{\mu_0} \right.$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.11957E 01	0.11894E 01	0.11819E 01	0.11735E 01	0.11646E 01	0.11554E 01
0.50	0.11819E 01	0.11646E 01	0.11461E 01	0.11277E 01	0.11102E 01	0.10940E 01
0.75	0.11646E 01	0.11368E 01	0.11102E 01	0.10864E 01	0.10662E 01	0.10495E 01
1.00	0.11461E 01	0.11102E 01	0.10793E 01	0.10547E 01	0.10360E 01	0.10223E 01
1.25	0.11277E 01	0.10864E 01	0.10547E 01	0.10321E 01	0.10170E 01	0.10072E 01
1.50	0.11102E 01	0.10662E 01	0.10360E 01	0.10170E 01	0.10057E 01	0.99957E 00
1.75	0.10940E 01	0.10495E 01	0.10223E 01	0.10072E 01	0.99957E 00	0.99616E 00
2.00	0.10793E 01	0.10360E 01	0.10125E 01	0.10012E 01	0.99648E 00	0.99499E 00
2.25	0.10662E 01	0.10253E 01	0.10057E 01	0.99774E 00	0.99518E 00	0.99493E 00
2.50	0.10547E 01	0.10170E 01	0.10012E 01	0.99589E 00	0.99487E 00	0.99535E 00
2.75	0.10447E 01	0.10106E 01	0.99828E 00	0.99507E 00	0.99507E 00	0.99594E 00
3.00	0.10360E 01	0.10057E 01	0.99648E 00	0.99487E 00	0.99551E 00	0.99656E 00
3.25	0.10286E 01	0.10022E 01	0.99547E 00	0.99502E 00	0.99603E 00	0.99712E 00
3.50	0.10223E 01	0.99957E 00	0.99499E 00	0.99535E 00	0.99656E 00	0.99760E 00
3.75	0.10170E 01	0.99774E 00	0.99487E 00	0.99577E 00	0.99704E 00	0.99801E 00
4.00	0.10125E 01	0.99648E 00	0.99497E 00	0.99621E 00	0.99747E 00	0.99835E 00
4.25	0.10088E 01	0.99566E 00	0.99520E 00	0.99664E 00	0.99784E 00	0.99862E 00
4.50	0.10057E 01	0.99518E 00	0.99551E 00	0.99704E 00	0.99816E 00	0.99885E 00
4.75	0.10032E 01	0.99493E 00	0.99586E 00	0.99740E 00	0.99843E 00	0.99904E 00
5.00	0.10012E 01	0.99487E 00	0.99621E 00	0.99773E 00	0.99866E 00	0.99919E 00
5.25	0.99957E 00	0.99493E 00	0.99656E 00	0.99801E 00	0.99885E 00	0.99931E 00
5.50	0.99828E 00	0.99507E 00	0.99688E 00	0.99826E 00	0.99901E 00	0.99941E 00
5.75	0.99726E 00	0.99527E 00	0.99719E 00	0.99847E 00	0.99915E 00	0.99950E 00
6.00	0.99648E 00	0.99551E 00	0.99747E 00	0.99866E 00	0.99926E 00	0.99957E 00
7.00	0.99499E 00	0.99656E 00	0.99835E 00	0.99919E 00	0.99957E 00	0.99975E 00
8.00	0.99497E 00	0.99747E 00	0.99891E 00	0.99949E 00	0.99974E 00	0.99985E 00
9.00	0.99551E 00	0.99816E 00	0.99926E 00	0.99966E 00	0.99983E 00	0.99990E 00
10.00	0.99621E 00	0.99866E 00	0.99949E 00	0.99977E 00	0.99989E 00	0.99994E 00
11.00	0.99688E 00	0.99901E 00	0.99964E 00	0.99984E 00	0.99992E 00	0.99996E 00
12.00	0.99747E 00	0.99926E 00	0.99974E 00	0.99989E 00	0.99994E 00	0.99997E 00

TABLE 1 (Continued)

P= 9

$\mu_0 \sqrt{\frac{\mu}{\mu_0}}$	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.11461E 01	0.11415E 01	0.11368E 01	0.11345E 01	0.11322E 01	0.11300E 01
0.50	0.10793E 01	0.10726E 01	0.10662E 01	0.10632E 01	0.10603E 01	0.10574F 01
0.75	0.10360E 01	0.10303E 01	0.10253E 01	0.10230E 01	0.10209E 01	0.10188E 01
1.00	0.10125E 01	0.10088E 01	0.10057E 01	0.10044E 01	0.10032E 01	0.10022E 01
1.25	0.10012E 01	0.99922E 00	0.99774E 00	0.99715E 00	0.99665E 00	0.99624E 00
1.50	0.99648E 00	0.99566E 00	0.99518E 00	0.99503E 00	0.99493E 00	0.99488E 00
1.75	0.99499E 00	0.99487E 00	0.99493E 00	0.99500E 00	0.99510E 00	0.99522E 00
2.00	0.99497E 00	0.99520E 00	0.99551E 00	0.99558E 00	0.99586E 00	0.99603E 00
2.25	0.99551E 00	0.99590E 00	0.99630E 00	0.99649E 00	0.99668E 00	0.99686E 00
2.50	0.99621E 00	0.99664E 00	0.99704E 00	0.99723E 00	0.99740E 00	0.99757E 00
2.75	0.99688E 00	0.99730E 00	0.99766E 00	0.99783E 00	0.99798E 00	0.99813E 00
3.00	0.99747E 00	0.99784E 00	0.99816E 00	0.99830E 00	0.99843E 00	0.99855E 00
3.25	0.99796E 00	0.99828E 00	0.99855E 00	0.99867E 00	0.99878E 00	0.99887E 00
3.50	0.99835E 00	0.99862E 00	0.99885E 00	0.99895E 00	0.99904E 00	0.99912E 00
3.75	0.99866E 00	0.99889E 00	0.99908E 00	0.99916E 00	0.99923E 00	0.99930E 00
4.00	0.99891E 00	0.99910E 00	0.99926E 00	0.99933E 00	0.99939E 00	0.99944E 00
4.25	0.99910E 00	0.99927E 00	0.99940E 00	0.99946E 00	0.99950E 00	0.99955E 00
4.50	0.99926E 00	0.99940E 00	0.99951E 00	0.99956E 00	0.99960E 00	0.99963E 00
4.75	0.99939E 00	0.99950E 00	0.99960E 00	0.99963E 00	0.99967E 00	0.99970E 00
5.00	0.99949E 00	0.99959E 00	0.99966E 00	0.99970E 00	0.99972E 00	0.99975E 00
5.25	0.99957E 00	0.99965E 00	0.99972E 00	0.99975E 00	0.99977E 00	0.99979E 00
5.50	0.99964E 00	0.99971E 00	0.99976E 00	0.99979E 00	0.99981E 00	0.99982E 00
5.75	0.99969E 00	0.99975E 00	0.99980F 00	0.99982E 00	0.99984E 00	0.99985E 00
6.00	0.99974E 00	0.99979E 00	0.99983E 00	0.99985E 00	0.99986E 00	0.99987E 00
7.00	0.99985E 00	0.99988E 00	0.99990E 00	0.99991E 00	0.99992E 00	0.99993E 00
8.00	0.99991E 00	0.99993E 00	0.99994E 00	0.99995E 00	0.99995E 00	0.99996E 00
9.00	0.99994E 00	0.99995E 00	0.99996E 00	0.99997E 00	0.99997E 00	0.99997F 00
10.00	0.99996E 00	0.99997E 00	0.99998E 00	0.99998E 00	0.99998E 00	0.99998E 00
11.00	0.99997E 00	0.99998E 00	0.99998E 00	0.99998E 00	0.99999E 00	0.99999E 00
12.00	0.99998E 00	0.99998E 00	0.99999E 00	0.99999E 00	0.99999E 00	0.99999E 00

TABLE 1 (Continued)

P= 10

$\mu_o \backslash \frac{\mu}{\mu_o}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.11526E 01	0.11486E 01	0.11435E 01	0.11377E 01	0.11313E 01	0.11246E 01
0.50	0.11435E 01	0.11313E 01	0.11177E 01	0.11036E 01	0.10900E 01	0.10771E 01
0.75	0.11313E 01	0.11106E 01	0.10900E 01	0.10711E 01	0.10547E 01	0.10410E 01
1.00	0.11177E 01	0.10900E 01	0.10653E 01	0.10452E 01	0.10298E 01	0.10184E 01
1.25	0.11036E 01	0.10711E 01	0.10452E 01	0.10266E 01	0.10140E 01	0.10058E 01
1.50	0.10900E 01	0.10547E 01	0.10298E 01	0.10140E 01	0.10046E 01	0.99951E 00
1.75	0.10771E 01	0.10410E 01	0.10184E 01	0.10058E 01	0.99951E 00	0.99672E 00
2.00	0.10653E 01	0.10298E 01	0.10102E 01	0.10009E 01	0.99698E 00	0.99581E 00
2.25	0.10547E 01	0.10209E 01	0.10046E 01	0.99800E 00	0.99595E 00	0.99580E 00
2.50	0.10452E 01	0.10140E 01	0.10009E 01	0.99651E 00	0.99573E 00	0.99618E 00
2.75	0.10370E 01	0.10086E 01	0.99844E 00	0.99587E 00	0.99593E 00	0.99668E 00
3.00	0.10298E 01	0.10046E 01	0.99698E 00	0.99573E 00	0.99632E 00	0.99720E 00
3.25	0.10236E 01	0.10016E 01	0.99617E 00	0.99588E 00	0.99676E 00	0.99766E 00
3.50	0.10184E 01	0.99951E 00	0.99581E 00	0.99618E 00	0.99720E 00	0.99806E 00
3.75	0.10140E 01	0.99800E 00	0.99573E 00	0.99654E 00	0.99760E 00	0.99839E 00
4.00	0.10102E 01	0.99698E 00	0.99583E 00	0.99691E 00	0.99795E 00	0.99867E 00
4.25	0.10072E 01	0.99633E 00	0.99605E 00	0.99727E 00	0.99826E 00	0.99889E 00
4.50	0.10046E 01	0.99595E 00	0.99632E 00	0.99760E 00	0.99852E 00	0.99907E 00
4.75	0.10025E 01	0.99577E 00	0.99661E 00	0.99790E 00	0.99874E 00	0.99922E 00
5.00	0.10009E 01	0.99573E 00	0.99691E 00	0.99816E 00	0.99892E 00	0.99935E 00
5.25	0.99951E 00	0.99580E 00	0.99720E 00	0.99839E 00	0.99907E 00	0.99945E 00
5.50	0.99844E 00	0.99593E 00	0.99747E 00	0.99859E 00	0.99920E 00	0.99953E 00
5.75	0.99761E 00	0.99611E 00	0.99772E 00	0.99877E 00	0.99931E 00	0.99960E 00
6.00	0.99698E 00	0.99632E 00	0.99795E 00	0.99892E 00	0.99941E 00	0.99965E 00
7.00	0.99581E 00	0.99720E 00	0.99867E 00	0.99935E 00	0.99965E 00	0.99980E 00
8.00	0.99583E 00	0.99795E 00	0.99912E 00	0.99959E 00	0.99979E 00	0.99988E 00
9.00	0.99632E 00	0.99852E 00	0.99941E 00	0.99973E 00	0.99986E 00	0.99992E 00
10.00	0.99691E 00	0.99892E 00	0.99959E 00	0.99982E 00	0.99991E 00	0.99995E 00
11.00	0.99747E 00	0.99920E 00	0.99971E 00	0.99987E 00	0.99994E 00	0.99996E 00
12.00	0.99795E 00	0.99941E 00	0.99979E 00	0.99991E 00	0.99995E 00	0.99997E 00

TABLE 1 (Continued)

P= 10

$\mu_0 \backslash \frac{\mu}{\mu_0}$	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.1177E 01	0.11142E 01	0.11106E 01	0.11089E 01	0.11071E 01	0.11054E 01
0.50	0.10653E 01	0.10599E 01	0.10547E 01	0.10522E 01	0.10498E 01	0.10475E 01
0.75	0.10298E 01	0.10251E 01	0.10209E 01	0.10190E 01	0.10172E 01	0.10155E 01
1.00	0.10102E 01	0.10072E 01	0.10046E 01	0.10035E 01	0.10025E 01	0.10016E 01
1.25	0.10009E 01	0.99921E 00	0.99800E 00	0.99752E 00	0.99712E 00	0.99678E 00
1.50	0.99698E 00	0.99633E 00	0.99595E 00	0.99583E 00	0.99577E 00	0.99573E 00
1.75	0.99581E 00	0.99573E 00	0.99580E 00	0.99587E 00	0.99596E 00	0.99606E 00
2.00	0.99583E 00	0.99605E 00	0.99632E 00	0.99646E 00	0.99661E 00	0.99676E 00
2.25	0.99632E 00	0.99665E 00	0.99698E 00	0.99714E 00	0.99730E 00	0.99745E 00
2.50	0.99691E 00	0.99727E 00	0.99760E 00	0.99775E 00	0.99790E 00	0.99803E 00
2.75	0.99747E 00	0.99781E 00	0.9981E 00	0.99825E 00	0.99837E 00	0.99849E 00
3.00	0.99795E 00	0.99826E 00	0.99852E 00	0.99863E 00	0.99874E 00	0.99883E 00
3.25	0.99835E 00	0.99861E 00	0.99883E 00	0.99893E 00	0.99901E 00	0.99909E 00
3.50	0.99867E 00	0.99889E 00	0.99907E 00	0.99915E 00	0.99922E 00	0.99929E 00
3.75	0.99892E 00	0.99911E 00	0.99926E 00	0.99933E 00	0.99938E 00	0.99944E 00
4.00	0.99912E 00	0.99928E 00	0.99941E 00	0.99946E 00	0.99951E 00	0.99955E 00
4.25	0.99928E 00	0.99941E 00	0.99952E 00	0.99956E 00	0.99960E 00	0.99964E 00
4.50	0.99941E 00	0.99952E 00	0.99961E 00	0.99964E 00	0.99967E 00	0.99970E 00
4.75	0.99951E 00	0.99960E 00	0.99967E 00	0.99971E 00	0.99973E 00	0.99976E 00
5.00	0.99959E 00	0.99967E 00	0.99973E 00	0.99976E 00	0.99978E 00	0.99980E 00
5.25	0.99965E 00	0.99972E 00	0.99977E 00	0.99980E 00	0.99981E 00	0.99983E 00
5.50	0.99971E 00	0.99976E 00	0.99981E 00	0.99983E 00	0.99984E 00	0.99986E 00
5.75	0.99975E 00	0.99980E 00	0.99984E 00	0.99985E 00	0.99987E 00	0.99988E 00
6.00	0.99979E 00	0.99983E 00	0.99986E 00	0.99988E 00	0.99989E 00	0.99990E 00
7.00	0.99988E 00	0.99990E 00	0.99992E 00	0.99993E 00	0.99994E 00	0.99994E 00
8.00	0.99993E 00	0.99994E 00	0.99995E 00	0.99996E 00	0.99996E 00	0.99997E 00
9.00	0.99995E 00	0.99996E 00	0.99997E 00	0.99997E 00	0.99998E 00	0.99998E 00
10.00	0.99997E 00	0.99998E 00	0.99998E 00	0.99998E 00	0.99998E 00	0.99999E 00
11.00	0.99998E 00	0.99998E 00	0.99999E 00	0.99999E 00	0.99999E 00	0.99999E 00
12.00	0.99998E 00	0.99999E 00	0.99999E 00	0.99999E 00	0.99999E 00	0.99999E 00

$$\text{Values of } -\frac{1+\mu^2}{\mu^2} \cdot \frac{2}{\pi} \sum_{m=0}^{\infty} a_m \frac{I_{\nu}(\nu\mu)}{I_{\nu}(\nu\mu_0)}$$

p= 2

TABLE 2

$\mu_0 \setminus \mu$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.11212E 02	0.75196E 01	0.56881E 01	0.46019E 01	0.38899E 01	0.33938E 01
0.50	0.48991E 01	0.33242E 01	0.25555E 01	0.21107E 01	0.18295E 01	0.16444E 01
0.75	0.28393E 01	0.19599E 01	0.15421E 01	0.13105E 01	0.11743E 01	0.10957E 01
1.00	0.18436E 01	0.13014E 01	0.10543E 01	0.92715E 00	0.86277E 00	0.83807E 00
1.25	0.12726E 01	0.92302E 00	0.77331E 00	0.70609E 00	0.68340E 00	0.69075E 00
1.50	0.91258E 00	0.68271E 00	0.59336E 00	0.56327E 00	0.56671E 00	0.59471E 00
1.75	0.67156E 00	0.51984E 00	0.46951E 00	0.46332E 00	0.48377E 00	0.52568E 00
2.00	0.50356E 00	0.40425E 00	0.37967E 00	0.38909E 00	0.42075E 00	0.47224E 00
2.25	0.38299E 00	0.31938E 00	0.31186E 00	0.33143E 00	0.37044E 00	0.42853E 00
2.50	0.29455E 00	0.25539E 00	0.25910E 00	0.28510E 00	0.32877E 00	0.39135E 00
2.75	0.22858E 00	0.20614E 00	0.21707E 00	0.24692E 00	0.29335E 00	0.35888E 00
3.00	0.17870E 00	0.16762E 00	0.18299E 00	0.21488E 00	0.26269E 00	0.32999E 00
3.25	0.14056E 00	0.13709E 00	0.15497E 00	0.18763E 00	0.23580E 00	0.30398E 00
3.50	0.11114E 00	0.11265E 00	0.13169E 00	0.16423E 00	0.21203E 00	0.28038E 00
3.75	0.88268E-01	0.92899E-01	0.11220E 00	0.14399E 00	0.19089E 00	0.25884E 00
4.00	0.70369E-01	0.76843E-01	0.95778E-01	0.12640E 00	0.17200E 00	0.23912E 00
4.25	0.56283E-01	0.63714E-01	0.81882E-01	0.11106E 00	0.15507E 00	0.22103E 00
4.50	0.45145E-01	0.52931E-01	0.70081E-01	0.97655E-01	0.13989E 00	0.20438E 00
4.75	0.36299E-01	0.44043E-01	0.60035E-01	0.85910E-01	0.12623E 00	0.18906E 00
5.00	0.29249E-01	0.36695E-01	0.51465E-01	0.75608E-01	0.11395E 00	0.17494E 00
5.25	0.23613E-01	0.30606E-01	0.44142E-01	0.66563E-01	0.10288E 00	0.16192E 00
5.50	0.19093E-01	0.25549E-01	0.37878E-01	0.58615E-01	0.92916E-01	0.14990E 00
5.75	0.15460E-01	0.21344E-01	0.32515E-01	0.51628E-01	0.83928E-01	0.13880E 00
6.00	0.12535E-01	0.17842E-01	0.27919E-01	0.45482E-01	0.75822E-01	0.12854E 00
7.00	0.54682E-02	0.87500E-02	0.15210E-01	0.27432E-01	0.50571E-01	0.94702E-01
8.00	0.24109E-02	0.43103E-02	0.83049E-02	0.16572E-01	0.33780E-01	0.69890E-01
9.00	0.10698E-02	0.21287E-02	0.45411E-02	0.10023E-01	0.22587E-01	0.51637E-01
10.00	0.47660E-03	0.10529E-02	0.24856E-02	0.60666E-02	0.15113E-01	0.38181E-01
11.00	0.21286E-03	0.52135E-03	0.13614E-02	0.36741E-02	0.10117E-01	0.28245E-01
12.00	0.95229E-04	0.25834E-03	0.74612E-03	0.22260E-02	0.67750E-02	0.20902E-01

TABLE 2 (Continued)

P= 2

$\frac{\mu}{\mu_0} \frac{\mu}{\mu_0}$	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.30363E 01	0.28965E 01	0.27795E 01	0.27298E 01	0.26871E 01	0.26549E 01
0.50	0.15236E 01	0.14828E 01	0.14552E 01	0.14471E 01	0.14445E 01	0.14511E 01
0.75	0.10582E 01	0.10534E 01	0.10592E 01	0.10674E 01	0.10809E 01	0.11041E 01
1.00	0.84432E 00	0.85921E 00	0.88420E 00	0.90207E 00	0.92566E 00	0.95983E 00
1.25	0.72414E 00	0.75191E 00	0.79005E 00	0.81489E 00	0.84602E 00	0.88897E 00
1.50	0.64654E 00	0.68358E 00	0.73166E 00	0.76202E 00	0.79936E 00	0.84987E 00
1.75	0.59073E 00	0.63483E 00	0.69090E 00	0.72587E 00	0.76856E 00	0.82585E 00
2.00	0.54707E 00	0.59678E 00	0.65950E 00	0.69845E 00	0.74590E 00	0.80938E 00
2.25	0.51075E 00	0.56503E 00	0.63341E 00	0.67588E 00	0.72761E 00	0.79682E 00
2.50	0.47921E 00	0.53725E 00	0.61054E 00	0.65615E 00	0.71179E 00	0.78632E 00
2.75	0.45102E 00	0.51219E 00	0.58977E 00	0.63821E 00	0.69743E 00	0.77692E 00
3.00	0.42534E 00	0.48913E 00	0.57047E 00	0.62147E 00	0.68399E 00	0.76813E 00
3.25	0.40167E 00	0.46764E 00	0.55231E 00	0.60563E 00	0.67120E 00	0.75969E 00
3.50	0.37970E 00	0.44747E 00	0.53506E 00	0.59050E 00	0.65888E 00	0.75146E 00
3.75	0.35918E 00	0.42843E 00	0.51860E 00	0.57597E 00	0.64696E 00	0.74339E 00
4.00	0.33997E 00	0.41041E 00	0.50285E 00	0.56197E 00	0.63539E 00	0.73544E 00
4.25	0.32193E 00	0.39331E 00	0.48774E 00	0.54846E 00	0.62414E 00	0.72761E 00
4.50	0.30498E 00	0.37707E 00	0.47322E 00	0.53541E 00	0.61319E 00	0.71990E 00
4.75	0.28902E 00	0.36161E 00	0.45927E 00	0.52279E 00	0.60253E 00	0.71231E 00
5.00	0.27393E 00	0.34690E 00	0.44585E 00	0.51058E 00	0.59215E 00	0.70485E 00
5.25	0.25980E 00	0.33287E 00	0.43292E 00	0.49876E 00	0.58204E 00	0.69751E 00
5.50	0.24641E 00	0.31950E 00	0.42047E 00	0.48731E 00	0.57219E 00	0.69030E 00
5.75	0.23377E 00	0.30674E 00	0.40846E 00	0.47623E 00	0.56260E 00	0.68323E 00
6.00	0.22183E 00	0.29455E 00	0.39689E 00	0.46548E 00	0.55325E 00	0.67629E 00
7.00	0.18018E 00	0.25095E 00	0.35444E 00	0.42561E 00	0.51815E 00	0.64983E 00
8.00	0.14668E 00	0.21434E 00	0.31736E 00	0.39011E 00	0.48631E 00	0.62532E 00
9.00	0.11960E 00	0.18342E 00	0.28475E 00	0.35829E 00	0.45726E 00	0.60255E 00
10.00	0.97629E 01	0.15718E 00	0.25590E 00	0.32962E 00	0.43061E 00	0.58130E 00
11.00	0.79756E 01	0.13483E 00	0.23027E 00	0.30365E 00	0.40604E 00	0.56139E 00
12.00	0.65190E 01	0.11575E 00	0.20742E 00	0.28004E 00	0.38329E 00	0.54266E 00

TABLE 2 (Continued)

P= 3

$\frac{\mu}{\mu_0}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.34548E-01	0.28349E-01	0.24738E-01	0.22365E-01	0.20715E-01	0.19553E-01
0.50	0.17795E-01	0.14773E-01	0.13104E-01	0.12099E-01	0.11499E-01	0.11193E-01
0.75	0.10829E-01	0.91563E-00	0.83254E-00	0.79247E-00	0.78040E-00	0.79071E-00
1.00	0.70400E-00	0.61004E-00	0.57268E-00	0.56600E-00	0.58107E-00	0.61555E-00
1.25	0.47376E-00	0.42303E-00	0.41231E-00	0.42505E-00	0.45626E-00	0.50582E-00
1.50	0.32552E-00	0.30090E-00	0.30571E-00	0.32956E-00	0.37014E-00	0.42906E-00
1.75	0.22678E-00	0.21783E-00	0.23129E-00	0.26096E-00	0.30651E-00	0.37093E-00
2.00	0.15957E-00	0.15973E-00	0.17749E-00	0.20958E-00	0.25715E-00	0.32438E-00
2.25	0.11313E-00	0.11827E-00	0.13761E-00	0.16993E-00	0.21755E-00	0.28568E-00
2.50	0.80702E-01	0.88227E-01	0.10748E-00	0.13868E-00	0.18504E-00	0.25272E-00
2.75	0.57859E-01	0.66208E-01	0.84407E-01	0.11369E-00	0.15795E-00	0.22419E-00
3.00	0.41660E-01	0.49918E-01	0.66554E-01	0.93486E-01	0.13515E-00	0.19925E-00
3.25	0.30107E-01	0.37779E-01	0.52634E-01	0.77041E-01	0.11582E-00	0.17732E-00
3.50	0.21828E-01	0.28678E-01	0.41719E-01	0.63586E-01	0.99365E-01	0.15794E-00
3.75	0.15870E-01	0.21823E-01	0.33123E-01	0.52539E-01	0.85315E-01	0.14077E-00
4.00	0.11565E-01	0.16640E-01	0.26333E-01	0.43446E-01	0.73293E-01	0.12553E-00
4.25	0.84480E-02	0.12709E-01	0.20955E-01	0.35949E-01	0.62991E-01	0.11198E-00
4.50	0.61821E-02	0.97189E-02	0.16689E-01	0.29759E-01	0.54155E-01	0.99930E-01
4.75	0.45314E-02	0.74405E-02	0.13299E-01	0.24643E-01	0.46571E-01	0.89196E-01
5.00	0.33263E-02	0.57014E-02	0.10603E-01	0.20413E-01	0.40056E-01	0.79631E-01
5.25	0.24447E-02	0.43719E-02	0.84561E-02	0.16912E-01	0.34459E-01	0.71103E-01
5.50	0.17988E-02	0.33545E-02	0.67464E-02	0.14015E-01	0.29647E-01	0.63498E-01
5.75	0.13248E-02	0.25752E-02	0.53836E-02	0.11615E-01	0.25510E-01	0.56713E-01
6.00	0.97655E-03	0.19777E-02	0.42970E-02	0.96275E-02	0.21952E-01	0.50657E-01
7.00	0.29016E-03	0.68999E-03	0.17465E-02	0.45482E-02	0.12046E-01	0.32270E-01
8.00	0.86816E-04	0.24141E-03	0.71076E-03	0.21504E-02	0.66137E-02	0.20570E-01
9.00	0.26079E-04	0.84582E-04	0.28945E-03	0.10171E-02	0.36323E-02	0.13117E-01
10.00	0.78522E-05	0.29656E-04	0.11791E-03	0.48113E-03	0.19952E-02	0.83659E-02
11.00	0.23674E-05	0.10402E-04	0.48036E-04	0.22761E-03	0.10959E-02	0.53361E-02
12.00	0.71432E-06	0.36489E-05	0.19570E-04	0.10767E-03	0.60199E-03	0.34036E-02

TABLE 2 (Continued)

P= 3

$\frac{\mu}{\mu_0}$	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.18774E 01	0.18524E 01	0.18386E 01	0.18374E 01	0.18420E 01	0.18573E 01
0.50	0.11149E 01	0.11236E 01	0.11423E 01	0.11572E 01	0.11781E 01	0.12103E 01
0.75	0.82355E 00	0.85051E 00	0.88791E 00	0.91258E 00	0.94389E 00	0.98779E 00
1.00	0.67191E 00	0.71119E 00	0.76199E 00	0.79408E 00	0.83368E 00	0.88753E 00
1.25	0.57808E 00	0.62634E 00	0.68751E 00	0.72566E 00	0.77230E 00	0.83503E 00
1.50	0.51227E 00	0.56730E 00	0.63680E 00	0.68006E 00	0.73285E 00	0.80365E 00
1.75	0.46164E-00	0.52185E 00	0.59817E 00	0.64581E 00	0.70404E 00	0.78224E 00
2.00	0.42008E-00	0.48426E-00	0.56623E 00	0.61766E 00	0.68075E 00	0.76572E 00
2.25	0.38447E-00	0.45168E-00	0.53834E 00	0.59308E 00	0.66051E 00	0.75170E 00
2.50	0.35314E-00	0.42260E-00	0.51315E 00	0.57078E 00	0.64212E 00	0.73902E 00
2.75	0.32509E-00	0.39618E-00	0.48994E-00	0.55009E 00	0.62495E 00	0.72713E 00
3.00	0.29973E-00	0.37192E-00	0.46830E-00	0.53067E 00	0.60869E 00	0.71575E 00
3.25	0.27665E-00	0.34948E-00	0.44798E-00	0.51228E 00	0.59316E 00	0.70474E 00
3.50	0.25556E-00	0.32864E-00	0.42883E-00	0.49480E-00	0.57827E 00	0.69404E 00
3.75	0.23622E-00	0.30924E-00	0.41071E-00	0.47814E-00	0.56396E 00	0.68363E 00
4.00	0.21846E-00	0.29113E-00	0.39354E-00	0.46223E-00	0.55018E 00	0.67349E 00
4.25	0.20212E-00	0.27420E-00	0.37724E-00	0.44702E-00	0.53689E 00	0.66361E 00
4.50	0.18707E-00	0.25836E-00	0.36176E-00	0.43246E-00	0.52408E 00	0.65399E 00
4.75	0.17320E-00	0.24351E-00	0.34703E-00	0.41851E-00	0.51171E 00	0.64462E 00
5.00	0.16040E-00	0.22959E-00	0.33300E-00	0.40513E-00	0.49976E-00	0.63549E 00
5.25	0.14857E-00	0.21652E-00	0.31964E-00	0.39229E-00	0.48821E-00	0.62660E 00
5.50	0.13765E-00	0.20425E-00	0.30689E-00	0.37995E-00	0.47703E-00	0.61793E 00
5.75	0.12755E-00	0.19271E-00	0.29473E-00	0.36809E-00	0.46622E-00	0.60948E 00
6.00	0.11821E-00	0.18186E-00	0.28311E-00	0.35668E-00	0.45574E-00	0.60124E 00
7.00	0.87311E-01	0.14446E-00	0.24149E-00	0.31510E-00	0.41692E-00	0.57021E 00
8.00	0.64569E-01	0.11496E-00	0.20649E-00	0.27908E-00	0.38238E-00	0.54188E 00
9.00	0.47786E-01	0.91587E-01	0.17687E-00	0.24767E-00	0.35139E-00	0.51582E 00
10.00	0.35380E-01	0.73024E-01	0.15168E-00	0.22011E-00	0.32343E-00	0.49172E-00
11.00	0.26201E-01	0.58252E-01	0.13020E-00	0.19585E-00	0.29808E-00	0.46929E-00
12.00	0.19407E-01	0.46483E-01	0.11184E-00	0.17441E-00	0.27501E-00	0.44834E-00

TABLE 2 (Continued)

P= 4

$\mu_0 \frac{\mu}{\mu_0}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.12055E 01	0.12110E 01	0.12196E 01	0.12321E 01	0.12498E 01	0.12751E 01
0.50	0.69168E 00	0.70354E 00	0.72083E 00	0.74439E 00	0.77561E 00	0.81689E 00
0.75	0.43005E-00	0.44625E-00	0.46971E-00	0.50139E 00	0.54291E 00	0.59708E 00
1.00	0.27528E-00	0.29345E-00	0.31996E-00	0.35606E-00	0.40330E-00	0.46663E-00
1.25	0.17856E-00	0.19676E-00	0.22369E-00	0.26104E-00	0.31141E-00	0.37908E-00
1.50	0.11662E-00	0.13353E-00	0.15907E-00	0.19535E-00	0.24562E-00	0.31511E-00
1.75	0.76475E-01	0.91393E-01	0.11446E-00	0.14819E-00	0.19649E-00	0.26553E-00
2.00	0.50294E-01	0.62947E-01	0.83051E-01	0.11344E-00	0.15857E-00	0.22558E-00
2.25	0.33151E-01	0.43568E-01	0.60628E-01	0.87372E-01	0.12869E-00	0.19258E-00
2.50	0.21896E-01	0.30274E-01	0.44456E-01	0.67566E-01	0.10480E-00	0.16490E-00
2.75	0.14489E-01	0.21104E-01	0.32704E-01	0.52394E-01	0.85537E-01	0.14147E-00
3.00	0.96042E-02	0.14751E-01	0.24116E-01	0.40704E-01	0.69915E-01	0.12152E-00
3.25	0.63766E-02	0.10332E-01	0.17815E-01	0.31663E-01	0.57200E-01	0.10447E-00
3.50	0.42400E-02	0.72492E-02	0.13178E-01	0.24652E-01	0.46826E-01	0.89853E-01
3.75	0.28233E-02	0.50935E-02	0.97569E-02	0.19205E-01	0.38349E-01	0.77315E-01
4.00	0.18822E-02	0.35830E-02	0.72293E-02	0.14968E-01	0.31416E-01	0.66544E-01
4.25	0.12562E-02	0.25227E-02	0.53594E-02	0.11669E-01	0.25741E-01	0.57284E-01
4.50	0.83927E-03	0.17775E-02	0.39747E-02	0.90988E-02	0.21094E-01	0.49320E-01
4.75	0.56119E-03	0.12531E-02	0.29486E-02	0.70959E-02	0.17288E-01	0.42468E-01
5.00	0.37554E-03	0.88388E-03	0.21879E-02	0.55344E-02	0.14169E-01	0.36570E-01
5.25	0.25146E-03	0.62365E-03	0.16237E-02	0.43168E-02	0.11613E-01	0.31492E-01
5.50	0.16848E-03	0.44017E-03	0.12051E-02	0.33672E-02	0.95184E-02	0.27121E-01
5.75	0.11294E-03	0.31073E-03	0.89447E-03	0.26265E-02	0.78016E-02	0.23357E-01
6.00	0.75737E-04	0.21939E-03	0.66395E-03	0.20488E-02	0.63945E-02	0.20115E-01
7.00	0.15364E-04	0.54573E-04	0.20158E-03	0.75836E-03	0.28854E-02	0.11066E-01
8.00	0.31257E-05	0.13581E-04	0.61178E-04	0.28058E-03	0.13015E-02	0.60867E-02
9.00	0.63667E-06	0.33786E-05	0.18556E-04	0.10375E-03	0.58686E-03	0.33472E-02
10.00	0.12973E-06	0.84008E-06	0.56247E-05	0.38344E-04	0.26450E-03	0.18403E-02
11.00	0.26431E-07	0.20876E-06	0.17040E-05	0.14164E-04	0.11918E-03	0.10116E-02
12.00	0.53830E-08	0.51843E-07	0.51590E-06	0.52298E-05	0.53679E-04	0.55599E-03

TABLE 2 (Continued)

P= 4

$\frac{\mu}{\mu_0}$	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.13122E-01	0.13381E-01	0.13727E-01	0.13954E-01	0.14243E-01	0.14657E-01
0.50	0.87309E-00	0.91002E-00	0.95696E-00	0.98653E-00	0.10232E-01	0.10735E-01
0.75	0.66953E-00	0.71636E-00	0.77498E-00	0.81137E-00	0.85587E-00	0.91593E-00
1.00	0.55126E-00	0.60612E-00	0.67480E-00	0.71737E-00	0.76924E-00	0.83885E-00
1.25	0.47207E-00	0.53314E-00	0.61018E-00	0.65814E-00	0.71670E-00	0.79532E-00
1.50	0.41327E-00	0.47897E-00	0.56281E-00	0.61542E-00	0.67995E-00	0.76692E-00
1.75	0.36634E-00	0.43534E-00	0.52466E-00	0.58124E-00	0.65107E-00	0.74568E-00
2.00	0.32708E-00	0.39830E-00	0.49195E-00	0.55192E-00	0.62643E-00	0.72801E-00
2.25	0.29327E-00	0.36582E-00	0.46284E-00	0.52567E-00	0.60430E-00	0.71224E-00
2.50	0.26364E-00	0.33679E-00	0.43635E-00	0.50159E-00	0.58386E-00	0.69759E-00
2.75	0.23741E-00	0.31056E-00	0.41195E-00	0.47921E-00	0.56468E-00	0.68369E-00
3.00	0.21404E-00	0.28669E-00	0.38931E-00	0.45823E-00	0.54652E-00	0.67037E-00
3.25	0.19313E-00	0.26488E-00	0.36820E-00	0.43848E-00	0.52925E-00	0.65754E-00
3.50	0.17436E-00	0.24489E-00	0.34845E-00	0.41983E-00	0.51278E-00	0.64515E-00
3.75	0.15750E-00	0.22652E-00	0.32995E-00	0.40219E-00	0.49704E-00	0.63317E-00
4.00	0.14232E-00	0.20963E-00	0.31257E-00	0.38546E-00	0.48197E-00	0.62159E-00
4.25	0.12864E-00	0.19407E-00	0.29624E-00	0.36958E-00	0.46754E-00	0.61037E-00
4.50	0.11630E-00	0.17972E-00	0.28087E-00	0.35449E-00	0.45369E-00	0.59951E-00
4.75	0.10517E-00	0.16647E-00	0.26638E-00	0.34013E-00	0.44040E-00	0.58898E-00
5.00	0.95118E-01	0.15424E-00	0.25271E-00	0.32645E-00	0.42762E-00	0.57877E-00
5.25	0.86038E-01	0.14293E-00	0.23981E-00	0.31342E-00	0.41533E-00	0.56886E-00
5.50	0.77833E-01	0.13248E-00	0.22762E-00	0.30098E-00	0.40350E-00	0.55924E-00
5.75	0.70416E-01	0.12281E-00	0.21610E-00	0.28911E-00	0.39210E-00	0.54989E-00
6.00	0.63710E-01	0.11386E-00	0.20520E-00	0.27776E-00	0.38110E-00	0.54080E-00
7.00	0.42714E-01	0.84198E-01	0.16710E-00	0.23710E-00	0.34078E-00	0.50675E-00
8.00	0.28647E-01	0.62324E-01	0.13632E-00	0.20285E-00	0.30550E-00	0.47591E-00
9.00	0.19216E-01	0.46157E-01	0.11134E-00	0.17383E-00	0.27439E-00	0.44778E-00
10.00	0.12889E-01	0.34192E-01	0.91013E-01	0.14913E-00	0.24682E-00	0.42193E-00
11.00	0.86460E-02	0.25334E-01	0.74439E-01	0.12806E-00	0.22228E-00	0.39808E-00
12.00	0.57992E-02	0.18771E-01	0.60903E-01	0.11003E-00	0.20036E-00	0.37596E-00

TABLE 2 (Continued)

P= 5

$\frac{\mu}{\mu_0}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.45462E-00	0.55940E 00	0.65044E 00	0.73440E 00	0.81572E 00	0.89881E 00
0.50	0.27900E-00	0.34793E-00	0.41211E-00	0.47636E-00	0.54434E 00	0.62017E 00
0.75	0.17420E-00	0.22202E-00	0.27081E-00	0.32455E-00	0.38674E-00	0.46180E-00
1.00	0.10874E-00	0.14273E-00	0.18097E-00	0.22709E-00	0.28487E-00	0.35941E-00
1.25	0.67584E-01	0.91987E-01	0.12215E-00	0.16163E-00	0.21466E-00	0.28732E-00
1.50	0.41797E-01	0.59343E-01	0.83004E-01	0.11633E-00	0.16408E-00	0.23339E-00
1.75	0.25740E-01	0.38310E-01	0.56673E-01	0.84362E-01	0.12654E-00	0.19137E-00
2.00	0.15799E-01	0.24750E-01	0.38831E-01	0.61478E-01	0.98123E-01	0.15778E-00
2.25	0.96741E-02	0.16002E-01	0.26674E-01	0.44945E-01	0.76332E-01	0.13049E-00
2.50	0.59141E-02	0.10355E-01	0.18358E-01	0.32926E-01	0.59495E-01	0.10812E-00
2.75	0.36117E-02	0.67060E-02	0.12652E-01	0.24152E-01	0.46425E-01	0.89687E-01
3.00	0.22043E-02	0.43460E-02	0.87277E-02	0.17730E-01	0.36248E-01	0.74441E-01
3.25	0.13449E-02	0.28183E-02	0.60246E-02	0.13022E-01	0.28313E-01	0.51808E-01
3.50	0.82042E-03	0.18285E-02	0.41605E-02	0.95663E-02	0.22118E-01	0.51329E-01
3.75	0.50047E-03	0.11868E-02	0.28739E-02	0.70286E-02	0.17279E-01	0.42031E-01
4.00	0.30531E-03	0.77053E-03	0.19854E-02	0.51642E-02	0.13499E-01	0.35409E-01
4.25	0.18626E-03	0.50035E-03	0.13717E-02	0.37941E-02	0.10545E-01	0.29409E-01
4.50	0.11365E-03	0.32495E-03	0.94767E-03	0.27873E-02	0.82371E-02	0.24426E-01
4.75	0.69347E-04	0.21104E-03	0.65467E-03	0.20475E-02	0.64336E-02	0.20286E-01
5.00	0.42317E-04	0.13707E-03	0.45222E-03	0.15038E-02	0.50244E-02	0.16847E-01
5.25	0.25824E-04	0.89018E-04	0.31234E-03	0.11044E-02	0.39235E-02	0.13990E-01
5.50	0.15760E-04	0.57808E-04	0.21570E-03	0.81093E-03	0.30635E-02	0.11616E-01
5.75	0.96177E-05	0.37537E-04	0.14893E-03	0.59537E-03	0.23917E-02	0.96452E-02
6.00	0.58693E-05	0.24371E-04	0.10282E-03	0.43705E-03	0.18671E-02	0.80079E-02
7.00	0.81362E-06	0.43250E-05	0.23224E-04	0.12675E-03	0.69269E-03	0.38028E-02
8.00	0.11263E-06	0.76576E-06	0.52788E-05	0.36691E-04	0.25664E-03	0.18043E-02
9.00	0.15566E-07	0.13530E-06	0.11925E-05	0.10606E-04	0.94987E-04	0.85553E-03
10.00	0.21473E-08	0.23858E-07	0.20895E-06	0.30618E-05	0.35124E-04	0.40542E-03
11.00	0.29572E-09	0.42000E-08	0.60572E-07	0.88299E-06	0.12979E-04	0.19204E-03
12.00	0.40659E-10	0.73830E-09	0.13627E-07	0.25443E-06	0.47931E-05	0.90930E-04

TABLE 2 (Continued)

$\frac{\mu}{\mu_o} \sqrt{\frac{\mu}{\mu_o}}$	p= 5					
	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.99011E 00	0.10426E 01	0.11043E 01	0.11411E 01	0.11853E 01	0.12440E 01
0.50	0.71048E 00	0.76515E 00	0.83120E 00	0.87131E 00	0.91971E 00	0.98433E 00
0.75	0.55718E 00	0.61712E 00	0.69096E 00	0.73627E 00	0.79119E 00	0.86458E 00
1.00	0.45948E-00	0.52448E 00	0.60602E 00	0.65663E 00	0.71832E 00	0.80106E 00
1.25	0.39003E-00	0.45895E-00	0.54710E 00	0.60250E 00	0.67053E 00	0.76233E 00
1.50	0.33655E-00	0.40811E-00	0.50155E 00	0.56107E 00	0.63480E 00	0.73502E 00
1.75	0.29308E-00	0.36613E-00	0.46358E-00	0.52657E 00	0.60529E 00	0.71322E 00
2.00	0.25658E-00	0.33011E-00	0.43045E-00	0.49628E-00	0.57936E 00	0.69427E 00
2.25	0.22531E-00	0.29852E-00	0.40076E-00	0.46890E-00	0.55573E 00	0.67695E 00
2.50	0.19821E-00	0.27045E-00	0.37377E-00	0.44373E-00	0.53379E 00	0.66070E 00
2.75	0.17459E-00	0.24532E-00	0.34901E-00	0.42038E-00	0.51320E 00	0.64526E 00
3.00	0.15390E-00	0.22271E-00	0.32618E-00	0.39860E-00	0.49377E-00	0.63049E 00
3.25	0.13573E-00	0.20233E-00	0.30507E-00	0.37821E-00	0.47537E-00	0.61633E 00
3.50	0.11975E-00	0.18390E-00	0.28549E-00	0.35907E-00	0.45790E-00	0.60271E 00
3.75	0.10569E-00	0.16721E-00	0.26730E-00	0.34108E-00	0.44129E-00	0.58960E 00
4.00	0.93288E-01	0.15209E-00	0.25038E-00	0.32414E-00	0.42546E-00	0.57697E 00
4.25	0.82357E-01	0.13837E-00	0.23462E-00	0.30817E-00	0.41037E-00	0.56479E 00
4.50	0.72714E-01	0.12592E-00	0.21992E-00	0.29309E-00	0.39595E-00	0.55303E 00
4.75	0.64204E-01	0.11460E-00	0.20620E-00	0.27884E-00	0.38217E-00	0.54166E 00
5.00	0.56693E-01	0.10432E-00	0.19339E-00	0.26536E-00	0.36899E-00	0.53067E 00
5.25	0.50062E-01	0.94968E-01	0.18141E-00	0.25260E-00	0.35636E-00	0.52003E 00
5.50	0.44208E-01	0.86463E-01	0.17020E-00	0.24051E-00	0.34425E-00	0.50972E 00
5.75	0.39038E-01	0.78726E-01	0.15971E-00	0.22904E-00	0.33263E-00	0.49971E-00
6.00	0.34472E-01	0.71685E-01	0.14989E-00	0.21817E-00	0.32147E-00	0.49001E-00
7.00	0.20959E-01	0.49298E-01	0.11642E-00	0.17986E-00	0.28099E-00	0.45384E-00
8.00	0.12740E-01	0.33910E-01	0.90535E-01	0.14855E-00	0.24617E-00	0.42132E-00
9.00	0.77420E-02	0.23328E-01	0.70458E-01	0.12285E-00	0.21606E-00	0.39190E-00
10.00	0.47034E-02	0.16047E-01	0.54854E-01	0.10168E-00	0.18988E-00	0.36507E-00
11.00	0.28568E-02	0.11038E-01	0.42716E-01	0.84202E-01	0.16702E-00	0.34050E-00
12.00	0.17349E-02	0.75918E-02	0.33269E-01	0.69755E-01	0.14703E-00	0.31791E-00

TABLE 2 (Continued)

P= 6

$\frac{\mu}{\mu_0}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.18019E-00	0.27162E-00	0.36475E-00	0.46042E-00	0.56003E 00	0.66627E 00
0.50	0.11507E-00	0.17598E-00	0.24108E-00	0.31209E-00	0.39132E-00	0.48235E-00
0.75	0.71350E-01	0.11172E-00	0.15801E-00	0.21277E-00	0.27926E-00	0.36226E-00
1.00	0.43181E-01	0.69810E-01	0.10300E-00	0.14587E-00	0.20260E-00	0.27934E-00
1.25	0.25628E-01	0.43102E-01	0.66895E-01	0.10046E-00	0.14870E-00	0.21912E-00
1.50	0.14979E-01	0.26380E-01	0.43353E-01	0.69411E-01	0.10996E-00	0.17365E-00
1.75	0.86526E-02	0.16046E-01	0.28058E-01	0.48065E-01	0.81668E-01	0.13842E-00
2.00	0.49537E-02	0.97186E-02	0.18144E-01	0.33326E-01	0.60807E-01	0.11069E-00
2.25	0.28171E-02	0.58687E-02	0.11727E-01	0.23122E-01	0.45331E-01	0.88655E-01
2.50	0.15939E-02	0.35366E-02	0.75757E-02	0.16047E-01	0.33812E-01	0.71066E-01
2.75	0.89843E-03	0.21280E-02	0.48919E-02	0.11136E-01	0.25223E-01	0.56985E-01
3.00	0.50493E-03	0.12791E-02	0.31576E-02	0.77258E-02	0.18814E-01	0.45697E-01
3.25	0.28314E-03	0.76811E-03	0.20372E-02	0.53584E-02	0.14030E-01	0.36642E-01
3.50	0.15849E-03	0.46093E-03	0.13138E-02	0.37150E-02	0.10459E-01	0.29378E-01
3.75	0.88588E-04	0.27642E-03	0.84681E-03	0.25746E-02	0.77951E-02	0.23549E-01
4.00	0.49460E-04	0.16567E-03	0.54558E-03	0.17835E-02	0.58076E-02	0.18873E-01
4.25	0.27588E-04	0.99242E-04	0.35133E-03	0.12350E-02	0.43255E-02	0.15123E-01
4.50	0.15375E-04	0.59417E-04	0.22614E-03	0.89487E-03	0.32206E-02	0.12115E-01
4.75	0.85628E-05	0.35556E-04	0.14550E-03	0.59151E-03	0.23973E-02	0.97041E-02
5.00	0.47657E-05	0.21267E-04	0.93571E-04	0.40914E-03	0.17840E-02	0.77714E-02
5.25	0.26508E-05	0.12714E-04	0.60152E-04	0.26290E-03	0.13272E-02	0.62226E-02
5.50	0.14737E-05	0.75978E-05	0.38653E-04	0.19555E-03	0.98720E-03	0.49817E-02
5.75	0.81889E-06	0.45384E-05	0.24829E-04	0.13513E-03	0.73411E-03	0.39877E-02
6.00	0.45482E-06	0.27098E-05	0.15944E-04	0.93552E-04	0.54580E-03	0.31916E-02
7.00	0.43102E-07	0.34315E-06	0.27021E-05	0.21210E-04	0.16646E-03	0.13081E-02
8.00	0.40618E-08	0.43237E-07	0.45609E-06	0.48038E-05	0.50658E-04	0.53535E-03
9.00	0.38093E-09	0.54251E-08	0.76725E-07	0.10853E-05	0.15388E-04	0.21884E-03
10.00	0.35583E-10	0.67841E-09	0.12873E-07	0.24471E-06	0.46679E-05	0.89377E-04
11.00	0.33125E-11	0.84602E-10	0.21554E-08	0.55093E-07	0.14145E-05	0.36478E-04
12.00	0.30749E-12	0.10527E-10	0.36027E-09	0.12388E-07	0.42827E-06	0.14880E-04

TABLE 2 (Continued)

p= 6

$\frac{\mu}{r_0} \frac{r_0}{r_0}$	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.78489E-00	0.85281E-00	0.93165E-00	0.97809E-00	0.10330E-01	0.11047E-01
0.50	0.59202E-00	0.65838E-00	0.73813E-00	0.78627E-00	0.84402E-00	0.92044E-00
0.75	0.47024E-00	0.53692E-00	0.62398E-00	0.67630E-00	0.73976E-00	0.82448E-00
1.00	0.38659E-00	0.45799E-00	0.54837E-00	0.60578E-00	0.67552E-00	0.76946E-00
1.25	0.32449E-00	0.39781E-00	0.49366E-00	0.55476E-00	0.63047E-00	0.73344E-00
1.50	0.27560E-00	0.34974E-00	0.44933E-00	0.51399E-00	0.59503E-00	0.70640E-00
1.75	0.23563E-00	0.30952E-00	0.41163E-00	0.47917E-00	0.56482E-00	0.68382E-00
2.00	0.20218E-00	0.27496E-00	0.37845E-00	0.44824E-00	0.53781E-00	0.66367E-00
2.25	0.17383E-00	0.24478E-00	0.34871E-00	0.42017E-00	0.51304E-00	0.64505E-00
2.50	0.14963E-00	0.21821E-00	0.32176E-00	0.39441E-00	0.49002E-00	0.62751E-00
2.75	0.12889E-00	0.19470E-00	0.29719E-00	0.37059E-00	0.46845E-00	0.61086E-00
3.00	0.11107E-00	0.17382E-00	0.27471E-00	0.34849E-00	0.44817E-00	0.59498E-00
3.25	0.95732E-01	0.15525E-00	0.25409E-00	0.32793E-00	0.42903E-00	0.57978E-00
3.50	0.82523E-01	0.13871E-00	0.23514E-00	0.30875E-00	0.41094E-00	0.56522E-00
3.75	0.71141E-01	0.12396E-00	0.21768E-00	0.29083E-00	0.39380E-00	0.55124E-00
4.00	0.61330E-01	0.11079E-00	0.20160E-00	0.27407E-00	0.37755E-00	0.53781E-00
4.25	0.52871E-01	0.99042E-01	0.18676E-00	0.25836E-00	0.36211E-00	0.52489E-00
4.50	0.45577E-01	0.88544E-01	0.17305E-00	0.24364E-00	0.34743E-00	0.51244E-00
4.75	0.39288E-01	0.79164E-01	0.16039E-00	0.22983E-00	0.33345E-00	0.50044E-00
5.00	0.33864E-01	0.70781E-01	0.14868E-00	0.21685E-00	0.32014E-00	0.48885E-00
5.25	0.29188E-01	0.63288E-01	0.13785E-00	0.20465E-00	0.30743E-00	0.47766E-00
5.50	0.25156E-01	0.56588E-01	0.12782E-00	0.19317E-00	0.29531E-00	0.46683E-00
5.75	0.21679E-01	0.50598E-01	0.11853E-00	0.18237E-00	0.28372E-00	0.45635E-00
6.00	0.18682E-01	0.45243E-01	0.10993E-00	0.17220E-00	0.27265E-00	0.44620E-00
7.00	0.10297E-01	0.28915E-01	0.81386E-01	0.13704E-00	0.23290E-00	0.40853E-00
8.00	0.56712E-02	0.18477E-01	0.60297E-01	0.10922E-00	0.19939E-00	0.37498E-00
9.00	0.31216E-02	0.11803E-01	0.44684E-01	0.87118E-01	0.17094E-00	0.34481E-00
10.00	0.17174E-02	0.75375E-02	0.33118E-01	0.69524E-01	0.14671E-00	0.31755E-00
11.00	0.94449E-03	0.48125E-02	0.24547E-01	0.55500E-01	0.12601E-00	0.29279E-00
12.00	0.51928E-03	0.30722E-02	0.18194E-01	0.44314E-01	0.10830E-00	0.27023E-00

TABLE 2 (Continued)

P= 7

$\mu_0 \left/ \frac{\mu}{\mu_0} \right.$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.73773E-01	0.13624E-00	0.21133E-00	0.271E-00	0.39744E-00	0.51052E-00
0.50	0.48129E-01	0.90278E-01	0.14308E-00	0.23E-00	0.28566E-00	0.38107E-00
0.75	0.29421E-01	0.56606E-01	0.92860E-01	0.16E-00	0.20332E-00	0.28670E-00
1.00	0.17199E-01	0.34252E-01	0.58821E-01	0.565E-01	0.14478E-00	0.21831E-00
1.25	0.97777E-02	0.20219E-01	0.36689E-01	0.660E-01	0.10330E-00	0.16772E-00
1.50	0.53673E-02	0.11728E-01	0.22652E-01	0.51E-01	0.73806E-01	0.12954E-00
1.75	0.29064E-02	0.67178E-02	0.13889E-01	0.394E-01	0.52761E-01	0.10032E-00
2.00	0.15516E-02	0.38135E-02	0.84755E-02	0.268E-01	0.37710E-01	0.77778E-01
2.25	0.81941E-03	0.21507E-02	0.51536E-02	0.897E-01	0.26938E-01	0.60318E-01
2.50	0.42911E-03	0.12070E-02	0.31253E-02	0.8216E-02	0.19227E-01	0.46769E-01
2.75	0.22325E-03	0.67489E-03	0.18912E-02	0.51354E-02	0.13713E-01	0.36249E-01
3.00	0.11555E-03	0.37626E-03	0.11424E-02	0.33677E-02	0.97712E-02	0.28083E-01
3.25	0.59556E-04	0.20927E-03	0.68897E-03	0.22059E-02	0.69572E-02	0.21746E-01
3.50	0.30592E-04	0.11617E-03	0.41496E-03	0.14435E-02	0.49498E-02	0.16830E-01
3.75	0.15671E-04	0.64378E-04	0.24962E-03	0.94366E-03	0.35192E-02	0.13020E-01
4.00	0.80082E-05	0.35624E-04	0.14999E-03	0.61638E-03	0.25005E-02	0.10068E-01
4.25	0.40842E-05	0.19687E-04	0.90037E-04	0.40230E-03	0.17756E-02	0.77829E-02
4.50	0.20793E-05	0.10867E-04	0.53998E-04	0.26238E-03	0.12602E-02	0.60140E-02
4.75	0.10570E-05	0.59923E-05	0.32357E-04	0.17101E-03	0.89398E-03	0.46457E-02
5.00	0.53660E-06	0.33010E-05	0.19375E-04	0.11140E-03	0.63390E-03	0.35876E-02
5.25	0.27208E-06	0.18168E-05	0.11593E-04	0.72523E-04	0.44931E-03	0.27698E-02
5.50	0.13780E-06	0.99913E-06	0.69318E-05	0.47191E-04	0.31835E-03	0.21379E-02
5.75	0.69727E-07	0.54904E-06	0.41424E-05	0.30693E-04	0.22549E-03	0.16498E-02
6.00	0.35224E-07	0.30128E-06	0.24724E-05	0.19940E-04	0.15955E-03	0.12720E-02
7.00	0.22843E-08	0.27248E-07	0.31332E-06	0.35519E-05	0.40032E-04	0.45024E-03
8.00	0.14554E-09	0.24430E-08	0.39433E-07	0.62931E-06	0.10004E-04	0.15891E-03
9.00	0.93279E-11	0.21769E-09	0.49398E-08	0.11112E-06	0.24941E-05	0.56001E-04
10.00	0.59003E-12	0.19305E-10	0.61658E-09	0.19568E-07	0.62064E-06	0.19711E-04
11.00	0.37133E-13	0.17053E-11	0.76741E-10	0.34390E-08	0.15422E-06	0.69315E-05
12.00	0.23272E-14	0.15018E-12	0.95302E-11	0.60344E-09	0.38281E-07	0.24358E-05

TABLE 2 (Continued)

P= 7

$\mu_o \left \frac{\mu}{\mu_o} \right $	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.64278E-00	0.72022E-00	0.81083E-00	0.86434E-00	0.92752E-00	0.10097E-01
0.50	0.50103E-00	0.57515E-00	0.66506E-00	0.71955E-00	0.78498E-00	0.87151E-00
0.75	0.40049E-00	0.47484E-00	0.56823E-00	0.62617E-00	0.69676E-00	0.79132E-00
1.00	0.32723E-00	0.40235E-00	0.49991E-00	0.56180E-00	0.63824E-00	0.74189E-00
1.25	0.27116E-00	0.34639E-00	0.44737E-00	0.51285E-00	0.59485E-00	0.70744E-00
1.50	0.22651E-00	0.30087E-00	0.40407E-00	0.47251E-00	0.55941E-00	0.68028E-00
1.75	0.19002E-00	0.26259E-00	0.36680E-00	0.43748E-00	0.52854E-00	0.65689E-00
2.00	0.15976E-00	0.22978E-00	0.33390E-00	0.40619E-00	0.50069E-00	0.63569E-00
2.25	0.13447E-00	0.20136E-00	0.30448E-00	0.37779E-00	0.47506E-00	0.61596E-00
2.50	0.11324E-00	0.17661E-00	0.27797E-00	0.35179E-00	0.45126E-00	0.59738E-00
2.75	0.95373E-01	0.15499E-00	0.25397E-00	0.32788E-00	0.42903E-00	0.57975E-00
3.00	0.80329E-01	0.13605E-00	0.23219E-00	0.30580E-00	0.40818E-00	0.56296E-00
3.25	0.67653E-01	0.11945E-00	0.21237E-00	0.28538E-00	0.38859E-00	0.54694E-00
3.50	0.56970E-01	0.10489E-00	0.19433E-00	0.26645E-00	0.37013E-00	0.53162E-00
3.75	0.47967E-01	0.92112E-01	0.17787E-00	0.24889E-00	0.35273E-00	0.51695E-00
4.00	0.40380E-01	0.80892E-01	0.16285E-00	0.23257E-00	0.33628E-00	0.50289E-00
4.25	0.33988E-01	0.71038E-01	0.14913E-00	0.21738E-00	0.32073E-00	0.48938E-00
4.50	0.28603E-01	0.62384E-01	0.13658E-00	0.20325E-00	0.30600E-00	0.47640E-00
4.75	0.24068E-01	0.54782E-01	0.12511E-00	0.19008E-00	0.29204E-00	0.46390E-00
5.00	0.20249E-01	0.48104E-01	0.11462E-00	0.17779E-00	0.27879E-00	0.45187E-00
5.25	0.17033E-01	0.42239E-01	0.10502E-00	0.16634E-00	0.26622E-00	0.44026E-00
5.50	0.14327E-01	0.37086E-01	0.96224E-01	0.15564E-00	0.25426E-00	0.42905E-00
5.75	0.12049E-01	0.32561E-01	0.88173E-01	0.14565E-00	0.24289E-00	0.41822E-00
6.00	0.10125E-01	0.28567E-01	0.80744E-01	0.13622E-00	0.23192E-00	0.40749E-00
7.00	0.50617E-02	0.16975E-01	0.56994E-01	0.10469E-00	0.19372E-00	0.36912E-00
8.00	0.25257E-02	0.10073E-01	0.40209E-01	0.80468E-01	0.16199E-00	0.33494E-00
9.00	0.12591E-02	0.59743E-02	0.28367E-01	0.61883E-01	0.13562E-00	0.30449E-00
10.00	0.62730E-03	0.35417E-02	0.20010E-01	0.47603E-01	0.11365E-00	0.27721E-00
11.00	0.31236E-03	0.20989E-02	0.14114E-01	0.36622E-01	0.95284E-01	0.25266E-00
12.00	0.15548E-03	0.12436E-02	0.99544E-02	0.28177E-01	0.79925E-01	0.23050E-00

TABLE 2 (Continued)

P= 8

$\mu_o / \frac{\mu}{\mu_o}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.30861E-01	0.69829E-01	0.12512E-00	0.19755E-00	0.28836E-00	0.39997E-00
0.50	0.20321E-01	0.46752E-01	0.85728E-01	0.13936E-00	0.21066E-00	0.30425E-00
0.75	0.12185E-01	0.28809E-01	0.54823E-01	0.93307E-01	0.14882E-00	0.22824E-00
1.00	0.68633E-02	0.16840E-01	0.33665E-01	0.63080E-01	0.10375E-00	0.17122E-00
1.25	0.36946E-02	0.94917E-02	0.20139E-01	0.39004E-01	0.71871E-01	0.12867E-00
1.50	0.19230E-02	0.52140E-02	0.11839E-01	0.24766E-01	0.49586E-01	0.96787E-01
1.75	0.97585E-03	0.28116E-02	0.68752E-02	0.15616E-01	0.34105E-01	0.72793E-01
2.00	0.48572E-03	0.14958E-02	0.39584E-02	0.97965E-02	0.23396E-01	0.54706E-01
2.25	0.23819E-03	0.78782E-03	0.22646E-02	0.61216E-02	0.16013E-01	0.41072E-01
2.50	0.11545E-03	0.41180E-03	0.12893E-02	0.38131E-02	0.10938E-01	0.30801E-01
2.75	0.55441E-04	0.21398E-03	0.73115E-03	0.23689E-02	0.74578E-02	0.23075E-01
3.00	0.26428E-04	0.11066E-03	0.41334E-03	0.14684E-02	0.50770E-02	0.17269E-01
3.25	0.12521E-04	0.57012E-04	0.23305E-03	0.90845E-03	0.34515E-02	0.12913E-01
3.50	0.59028E-05	0.29278E-04	0.13110E-03	0.56108E-03	0.23435E-02	0.96475E-02
3.75	0.27711E-05	0.14994E-04	0.73603E-04	0.34603E-03	0.15895E-02	0.72028E-02
4.00	0.12963E-05	0.76611E-05	0.41251E-04	0.21312E-03	0.10771E-02	0.53741E-02
4.25	0.60451E-06	0.39062E-05	0.23083E-04	0.13111E-03	0.72923E-03	0.40075E-02
4.50	0.28116E-06	0.19881E-05	0.12899E-04	0.80570E-04	0.49334E-03	0.29868E-02
4.75	0.13046E-06	0.10102E-05	0.71991E-05	0.49466E-04	0.33352E-03	0.22250E-02
5.00	0.60415E-07	0.51254E-06	0.40135E-05	0.30345E-04	0.22535E-03	0.16569E-02
5.25	0.27925E-07	0.25971E-06	0.22352E-05	0.18601E-04	0.15217E-03	0.12334E-02
5.50	0.12862E-07	0.13119E-06	0.12414E-05	0.11372E-04	0.10251E-03	0.91611E-03
5.75	0.59371E-08	0.66443E-07	0.69140E-06	0.69744E-05	0.69285E-04	0.68277E-03
6.00	0.27321E-08	0.33559E-07	0.38412E-06	0.42674E-05	0.46727E-04	0.50783E-03
7.00	0.12109E-09	0.21645E-08	0.36345E-07	0.59504E-06	0.96305E-05	0.15502E-03
8.00	0.52890E-11	0.13810E-09	0.34109E-08	0.82474E-07	0.19764E-05	0.47187E-04
9.00	0.22850E-12	0.87394E-11	0.31817E-09	0.11381E-07	0.40437E-06	0.14335E-04
10.00	0.97883E-14	0.54959E-12	0.29543E-10	0.15653E-08	0.82543E-07	0.43483E-05
11.00	0.41646E-15	0.34391E-13	0.27334E-11	0.21475E-09	0.16820E-07	0.13175E-05
12.00	0.17621E-16	0.21436E-14	0.25219E-12	0.29402E-10	0.34226E-08	0.39882E-06

TABLE 2 (Continued)

P = 8

$\frac{\mu}{\mu_0}$	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.53810E-00	0.62152E-00	0.72060E-00	0.77961E-00	0.84954E-00	0.94070E-00
0.50	0.42856E-00	0.50771E-00	0.60521E-00	0.66483E-00	0.73673E-00	0.83212E-00
0.75	0.34321E-00	0.42096E-00	0.52049E-00	0.58297E-00	0.65961E-00	0.76283E-00
1.00	0.27812E-00	0.35495E-00	0.45714E-00	0.52297E-00	0.60503E-00	0.71721E-00
1.25	0.22729E-00	0.30260E-00	0.40670E-00	0.47551E-00	0.56269E-00	0.68366E-00
1.50	0.18662E-00	0.25954E-00	0.36439E-00	0.43552E-00	0.52712E-00	0.65619E-00
1.75	0.15357E-00	0.22333E-00	0.32772E-00	0.40045E-00	0.49571E-00	0.63202E-00
2.00	0.12648E-00	0.19247E-00	0.29537E-00	0.36904E-00	0.46720E-00	0.60990E-00
2.25	0.10419E-00	0.16601E-00	0.26655E-00	0.34057E-00	0.44095E-00	0.58925E-00
2.50	0.85821E-01	0.14324E-00	0.24075E-00	0.31461E-00	0.41661E-00	0.56978E-00
2.75	0.70667E-01	0.12361E-00	0.21758E-00	0.29086E-00	0.39393E-00	0.55134E-00
3.00	0.58168E-01	0.10668E-00	0.19672E-00	0.26906E-00	0.37274E-00	0.53381E-00
3.25	0.47863E-01	0.92063E-01	0.17793E-00	0.24901E-00	0.35290E-00	0.51711E-00
3.50	0.39368E-01	0.79442E-01	0.16097E-00	0.23056E-00	0.33429E-00	0.50118E-00
3.75	0.32371E-01	0.68545E-01	0.14565E-00	0.21355E-00	0.31680E-00	0.48596E-00
4.00	0.26608E-01	0.59135E-01	0.13182E-00	0.19785E-00	0.30035E-00	0.47138E-00
4.25	0.21865E-01	0.51012E-01	0.11931E-00	0.18335E-00	0.28485E-00	0.45742E-00
4.50	0.17963E-01	0.43998E-01	0.10800E-00	0.16995E-00	0.27024E-00	0.44402E-00
4.75	0.14753E-01	0.37944E-01	0.97764E-01	0.15756E-00	0.25645E-00	0.43113E-00
5.00	0.12114E-01	0.32720E-01	0.88507E-01	0.14609E-00	0.24343E-00	0.41876E-00
5.25	0.99454E-02	0.28212E-01	0.80127E-01	0.13548E-00	0.23112E-00	0.40684E-00
5.50	0.81478E-02	0.24276E-01	0.72405E-01	0.12541E-00	0.21907E-00	0.39465E-00
5.75	0.66990E-02	0.20966E-01	0.65672E-01	0.11654E-00	0.20845E-00	0.38427E-00
6.00	0.54974E-02	0.18074E-01	0.59461E-01	0.10811E-00	0.19803E-00	0.37362E-00
7.00	0.24890E-02	0.99694E-02	0.39947E-01	0.80084E-01	0.16148E-00	0.33439E-00
8.00	0.11251E-02	0.54935E-02	0.26831E-01	0.59353E-01	0.13187E-00	0.29998E-00
9.00	0.50802E-03	0.30248E-02	0.18016E-01	0.43998E-01	0.10779E-00	0.26959E-00
10.00	0.22919E-03	0.16646E-02	0.12095E-01	0.32617E-01	0.88167E-01	0.24261E-00
11.00	0.10333E-03	0.91564E-03	0.81179E-02	0.24180E-01	0.72145E-01	0.21857E-00
12.00	0.46560E-04	0.50349E-03	0.54476E-02	0.17924E-01	0.59050E-01	0.19708E-00

TABLE 2 (Continued)

p= 9

$\frac{\mu}{\mu_0} \frac{\mu}{\mu_0}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.13101E-01	0.36320E-01	0.75185E-01	0.13278E-00	0.21240E-00	0.31819E-00
0.50	0.86354E-02	0.24369E-01	0.51704E-01	0.94209E-01	0.15644E-00	0.24471E-00
0.75	0.50620E-02	0.14707E-01	0.32467E-01	0.62142E-01	0.10932E-00	0.18242E-00
1.00	0.27424E-02	0.82900E-02	0.19295E-01	0.39371E-01	0.74493E-01	0.13460E-00
1.25	0.14037E-02	0.44578E-02	0.11061E-01	0.24336E-01	0.50056E-01	0.98864E-01
1.50	0.68893E-03	0.23181E-02	0.61881E-02	0.14802E-01	0.33333E-01	0.72389E-01
1.75	0.32755E-03	0.11766E-02	0.34031E-02	0.89033E-02	0.22054E-01	0.52858E-01
2.00	0.15199E-03	0.58657E-03	0.18486E-02	0.53123E-02	0.14520E-01	0.38501E-01
2.25	0.69209E-04	0.28853E-03	0.99505E-03	0.31503E-02	0.95218E-02	0.27981E-01
2.50	0.31048E-04	0.14047E-03	0.53184E-03	0.18592E-02	0.62239E-02	0.20295E-01
2.75	0.13763E-04	0.67833E-04	0.28268E-03	0.10929E-02	0.40572E-02	0.14694E-01
3.00	0.60426E-05	0.32545E-04	0.14957E-03	0.64041E-03	0.26388E-02	0.10624E-01
3.25	0.26318E-05	0.15531E-04	0.78842E-04	0.37422E-03	0.17129E-02	0.76706E-02
3.50	0.11387E-05	0.73789E-05	0.41427E-04	0.21816E-03	0.11099E-02	0.55322E-02
3.75	0.48993E-06	0.34926E-05	0.21708E-04	0.12692E-03	0.71821E-03	0.39860E-02
4.00	0.20979E-06	0.16477E-05	0.11348E-04	0.73712E-04	0.46413E-03	0.28695E-02
4.25	0.89464E-07	0.77516E-06	0.59196E-05	0.42742E-04	0.29960E-03	0.20642E-02
4.50	0.38011E-07	0.36373E-06	0.30820E-05	0.24747E-04	0.19318E-03	0.14837E-02
4.75	0.16103E-07	0.17034E-06	0.16023E-05	0.14314E-04	0.12448E-03	0.10661E-02
5.00	0.68022E-08	0.79602E-07	0.83171E-06	0.82691E-05	0.80138E-04	0.76551E-03
5.25	0.28662E-08	0.37135E-07	0.43114E-06	0.47724E-05	0.51556E-04	0.54943E-03
5.50	0.12051E-08	0.17296E-07	0.22323E-06	0.27519E-05	0.33147E-04	0.39418E-03
5.75	0.50565E-09	0.80442E-08	0.11546E-06	0.15856E-05	0.21299E-04	0.28269E-03
6.00	0.21179E-09	0.37364E-08	0.59656E-07	0.91290E-06	0.13679E-04	0.20266E-03
7.00	0.64198E-11	0.17200E-09	0.42174E-08	0.99715E-07	0.23174E-05	0.53385E-04
8.00	0.19093E-12	0.78093E-11	0.29512E-09	0.10811E-07	0.39055E-06	0.14014E-04
9.00	0.55993E-14	0.35096E-12	0.20499E-10	0.11660E-08	0.65575E-07	0.36701E-05
10.00	0.16243E-15	0.15651E-13	0.14159E-11	0.12524E-09	0.10980E-07	0.95937E-06
11.00	0.46720E-17	0.69373E-15	0.97379E-13	0.13412E-10	0.18347E-08	0.25044E-06
12.00	0.13347E-18	0.30604E-16	0.66748E-14	0.14329E-11	0.30606E-09	0.65308E-07

TABLE 2 (Continued)

P= 9

$\frac{\mu}{\mu_0} \frac{\mu}{\mu_0}$	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.45737E-00	0.54442E-00	0.64976E-00	0.71318E-00	0.78879E-00	0.88780E-00
0.50	0.36933E-00	0.45152E-00	0.55469E-00	0.61949E-00	0.69593E-00	0.79918E-00
0.75	0.29542E-00	0.37485E-00	0.47880E-00	0.54495E-00	0.62674E-00	0.73768E-00
1.00	0.23707E-00	0.31409E-00	0.41929E-00	0.48820E-00	0.57499E-00	0.69472E-00
1.25	0.19091E-00	0.26496E-00	0.37063E-00	0.44191E-00	0.53334E-00	0.66166E-00
1.50	0.15400E-00	0.22434E-00	0.32931E-00	0.40226E-00	0.49762E-00	0.63380E-00
1.75	0.12428E-00	0.19027E-00	0.29340E-00	0.36719E-00	0.46577E-00	0.60891E-00
2.00	0.10025E-00	0.16148E-00	0.26179E-00	0.33595E-00	0.43676E-00	0.58598E-00
2.25	0.80820E-01	0.13707E-00	0.23380E-00	0.30764E-00	0.41008E-00	0.56454E-00
2.50	0.65104E-01	0.11634E-00	0.20891E-00	0.28194E-00	0.38538E-00	0.54433E-00
2.75	0.52405E-01	0.98719E-01	0.18674E-00	0.25854E-00	0.36244E-00	0.52520E-00
3.00	0.42153E-01	0.83748E-01	0.16697E-00	0.23720E-00	0.34108E-00	0.50706E-00
3.25	0.33884E-01	0.71028E-01	0.14931E-00	0.21770E-00	0.32115E-00	0.48980E-00
3.50	0.27221E-01	0.60224E-01	0.13354E-00	0.19987E-00	0.30254E-00	0.47337E-00
3.75	0.21857E-01	0.51050E-01	0.11945E-00	0.18356E-00	0.28512E-00	0.45769E-00
4.00	0.17541E-01	0.43263E-01	0.10685E-00	0.16861E-00	0.26880E-00	0.44271E-00
4.25	0.14072E-01	0.36656E-01	0.95578E-01	0.15491E-00	0.25350E-00	0.42838E-00
4.50	0.11284E-01	0.31047E-01	0.85489E-01	0.14232E-00	0.23912E-00	0.41462E-00
4.75	0.90466E-02	0.26297E-01	0.76480E-01	0.13081E-00	0.22565E-00	0.40150E-00
5.00	0.72501E-02	0.22268E-01	0.68413E-01	0.12022E-00	0.21297E-00	0.38887E-00
5.25	0.58088E-02	0.18852E-01	0.61194E-01	0.11050E-00	0.20104E-00	0.37673E-00
5.50	0.46529E-02	0.15958E-01	0.54736E-01	0.10157E-00	0.18981E-00	0.36507E-00
5.75	0.37262E-02	0.13507E-01	0.48958E-01	0.93371E-01	0.17924E-00	0.35385E-00
6.00	0.29834E-02	0.11430E-01	0.43789E-01	0.85835E-01	0.16927E-00	0.34304E-00
7.00	0.12242E-02	0.58563E-02	0.28012E-01	0.61316E-01	0.13481E-00	0.30354E-00
8.00	0.50130E-03	0.29965E-02	0.17910E-01	0.43807E-01	0.10748E-00	0.26919E-00
9.00	0.20500E-03	0.15318E-02	0.11446E-01	0.31297E-01	0.85764E-01	0.23915E-00
10.00	0.83745E-04	0.78246E-03	0.73119E-02	0.22357E-01	0.68462E-01	0.21272E-00
11.00	0.34184E-04	0.39948E-03	0.46697E-02	0.15969E-01	0.54665E-01	0.18941E-00
12.00	0.13945E-04	0.20387E-03	0.29816E-02	0.11405E-01	0.43655E-01	0.16878E-00

TABLE 2 (Continued)

P= 10

$\mu_0 \backslash \frac{\mu}{\mu_0}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.56191E-02	0.19086E-01	0.45644E-01	0.90180E-01	0.15810E-00	0.25585E-00
0.50	0.36866E-02	0.12761E-01	0.31329E-01	0.63990E-01	0.11675E-00	0.19784E-00
0.75	0.21073E-02	0.75238E-02	0.19269E-01	0.41481E-01	0.80499E-01	0.14622E-00
1.00	0.10968E-02	0.40849E-02	0.11070E-01	0.25519E-01	0.53553E-01	0.10599E-00
1.25	0.53350E-03	0.20943E-02	0.60777E-02	0.15191E-01	0.34885E-01	0.76035E-01
1.50	0.24681E-03	0.10307E-02	0.32350E-02	0.88486E-02	0.22415E-01	0.54176E-01
1.75	0.10993E-03	0.49231E-03	0.16845E-02	0.50768E-02	0.14265E-01	0.38401E-01
2.00	0.47551E-04	0.23000E-03	0.86333E-03	0.28809E-02	0.90129E-02	0.27107E-01
2.25	0.20105E-04	0.10566E-03	0.43722E-03	0.16214E-02	0.56629E-02	0.19068E-01
2.50	0.85400E-05	0.47911E-04	0.21940E-03	0.90663E-03	0.35423E-02	0.13376E-01
2.75	0.34161E-05	0.21503E-04	0.10930E-03	0.50434E-03	0.22077E-02	0.93604E-02
3.00	0.13813E-05	0.95709E-05	0.54130E-04	0.27936E-03	0.13718E-02	0.65373E-02
3.25	0.55308E-06	0.42311E-05	0.26677E-04	0.15419E-03	0.85024E-03	0.45579E-02
3.50	0.21963E-06	0.18598E-05	0.13093E-04	0.84845E-04	0.52582E-03	0.31732E-02
3.75	0.86609E-07	0.81357E-06	0.64035E-05	0.46567E-04	0.32459E-03	0.22064E-02
4.00	0.33949E-07	0.35442E-06	0.31223E-05	0.25501E-04	0.20004E-03	0.15325E-02
4.25	0.13239E-07	0.15384E-06	0.15184E-05	0.13937E-04	0.12311E-03	0.10634E-02
4.50	0.51396E-08	0.66569E-07	0.73667E-06	0.76042E-05	0.75675E-04	0.73733E-03
4.75	0.19875E-08	0.28726E-07	0.35669E-06	0.41428E-05	0.46468E-04	0.51088E-03
5.00	0.76586E-09	0.12365E-07	0.17239E-06	0.22539E-05	0.28504E-04	0.35374E-03
5.25	0.29420E-09	0.53107E-08	0.83179E-07	0.12247E-05	0.17471E-04	0.24479E-03
5.50	0.11270E-09	0.22764E-08	0.40075E-07	0.66481E-06	0.10700E-04	0.16931E-03
5.75	0.43065E-10	0.97404E-09	0.19283E-07	0.36052E-06	0.65484E-05	0.11705E-03
6.00	0.16419E-10	0.41610E-09	0.92672E-08	0.19533E-06	0.40053E-05	0.80892E-04
7.00	0.34042E-12	0.13671E-10	0.48949E-09	0.16713E-07	0.55773E-06	0.18388E-04
8.00	0.68942E-14	0.44171E-12	0.25541E-10	0.14175E-08	0.77187E-07	0.41629E-05
9.00	0.13723E-15	0.14097E-13	0.13210E-11	0.11947E-09	0.10636E-07	0.93974E-06
10.00	0.26960E-17	0.44578E-15	0.67871E-13	0.10022E-10	0.14608E-08	0.21169E-06
11.00	0.52425E-19	0.13997E-16	0.34698E-14	0.83776E-12	0.20014E-09	0.47612E-07
12.00	0.10111E-20	0.43701E-18	0.17669E-15	0.69838E-13	0.27371E-10	0.10695E-07

TABLE 2 (Continued)

$\frac{\mu}{\mu_0} \sqrt{\frac{\mu}{\mu_0}}$	P= 10					
	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.39297E-00	0.48200E-00	0.59195E 00	0.65898E 00	0.73947E 00	0.84549E 00
0.50	0.32003E-00	0.40375E-00	0.51107E 00	0.57830E 00	0.66052E 00	0.77082E 00
0.75	0.25509E-00	0.33490E-00	0.44186E-00	0.51097E 00	0.59718E 00	0.71504E 00
1.00	0.20251E-00	0.27857E-00	0.38545E-00	0.45674E-00	0.54751E 00	0.67397E 00
1.25	0.16060E-00	0.23242E-00	0.33839E-00	0.41142E-00	0.50635E 00	0.64116E 00
1.50	0.12724E-00	0.19420E-00	0.29811E-00	0.37216E-00	0.47049E-00	0.61288E 00
1.75	0.10067E-00	0.16232E-00	0.26309E-00	0.33742E-00	0.43830E-00	0.58733E 00
2.00	0.79529E-01	0.13564E-00	0.23239E-00	0.30633E-00	0.40894E-00	0.56369E 00
2.25	0.62734E-01	0.11330E-00	0.20537E-00	0.27833E-00	0.38197E-00	0.54155E 00
2.50	0.49419E-01	0.94576E-01	0.18153E-00	0.25305E-00	0.35706E-00	0.52071E 00
2.75	0.38883E-01	0.78905E-01	0.16049E-00	0.23016E-00	0.33401E-00	0.50101E 00
3.00	0.30561E-01	0.65795E-01	0.14189E-00	0.20942E-00	0.31262E-00	0.48234E-00
3.25	0.23998E-01	0.54837E-01	0.12545E-00	0.19060E-00	0.29274E-00	0.46462E-00
3.50	0.18829E-01	0.45683E-01	0.11091E-00	0.17352E-00	0.27425E-00	0.44777E-00
3.75	0.14763E-01	0.38041E-01	0.98057E-01	0.15799E-00	0.25702E-00	0.43173E-00
4.00	0.11568E-01	0.31665E-01	0.86686E-01	0.14387E-00	0.24094E-00	0.41642E-00
4.25	0.90589E-02	0.26350E-01	0.76628E-01	0.13103E-00	0.22594E-00	0.40181E-00
4.50	0.70911E-02	0.21920E-01	0.67734E-01	0.11934E-00	0.21193E-00	0.38783E-00
4.75	0.55486E-02	0.18231E-01	0.59870E-01	0.10871E-00	0.19884E-00	0.37450E-00
5.00	0.43399E-02	0.15158E-01	0.52913E-01	0.99027E-01	0.18658E-00	0.36169E-00
5.25	0.33933E-02	0.12601E-01	0.46761E-01	0.90209E-01	0.17511E-00	0.34942E-00
5.50	0.26525E-02	0.10473E-01	0.41321E-01	0.82179E-01	0.16437E-00	0.33764E-00
5.75	0.20728E-02	0.87025E-02	0.36512E-01	0.74864E-01	0.15430E-00	0.32633E-00
6.00	0.16194E-02	0.72304E-02	0.32260E-01	0.68201E-01	0.14487E-00	0.31547E-00
7.00	0.60218E-03	0.34407E-02	0.19648E-01	0.46972E-01	0.11266E-00	0.27597E-00
8.00	0.22339E-03	0.16347E-02	0.11958E-01	0.32346E-01	0.87689E-01	0.24194E-00
9.00	0.82735E-04	0.77577E-03	0.72724E-02	0.22269E-01	0.68286E-01	0.21245E-00
10.00	0.30604E-04	0.36784E-03	0.44209E-02	0.15328E-01	0.53191E-01	0.18677E-00
11.00	0.11310E-04	0.17430E-03	0.26865E-02	0.10548E-01	0.41438E-01	0.16435E-00
12.00	0.41769E-05	0.82556E-04	0.16320E-02	0.72572E-02	0.32284E-01	0.14472E-00

TABLE 3
Values of the Goldstein Factor
P= 2

$\frac{\mu}{\mu_o}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.15444E 01	0.10044E 01	0.72575E 00	0.55053E 00	0.42555E-00	0.32712E-00
0.50	0.15147E 01	0.99130E 00	0.72243E 00	0.55392E 00	0.43365E-00	0.33821E-00
0.75	0.14762E 01	0.97601E 00	0.72106E 00	0.56201E 00	0.44821E-00	0.35663E-00
1.00	0.14343E 01	0.96169E 00	0.72325E 00	0.57529E 00	0.46881E-00	0.38125E-00
1.25	0.13919E 01	0.94951E 00	0.72913E 00	0.59308E 00	0.49415E-00	0.41036E-00
1.50	0.13506E 01	0.93981E 00	0.73822E 00	0.61429E 00	0.52275E 00	0.44231E-00
1.75	0.13111E 01	0.93249E 00	0.74981E 00	0.63779E 00	0.55325E 00	0.47570E-00
2.00	0.12740E 01	0.92733E 00	0.76316E 00	0.66256E 00	0.58454E 00	0.50946E-00
2.25	0.12395E 01	0.92400E 00	0.77760E 00	0.68775E 00	0.61571E 00	0.54277E 00
2.50	0.12079E 01	0.92217E 00	0.79255E 00	0.71270E 00	0.64613E 00	0.57507E 00
2.75	0.11790E 01	0.92154E 00	0.80756E 00	0.73690E 00	0.67534E 00	0.60599E 00
3.00	0.11529E 01	0.92184E 00	0.82230E 00	0.76002E 00	0.70303E 00	0.63528E 00
3.25	0.11293E 01	0.92284E 00	0.83650E 00	0.78183E 00	0.72902E 00	0.66282E 00
3.50	0.11082E 01	0.92438E 00	0.85000E 00	0.80220E 00	0.75323E 00	0.68856E 00
3.75	0.10893E 01	0.92628E 00	0.86270E 00	0.82107E 00	0.77564E 00	0.71252E 00
4.00	0.10725E 01	0.92845E 00	0.87455E 00	0.83845E 00	0.79629E 00	0.73475E 00
4.25	0.10575E 01	0.93078E 00	0.88552E 00	0.85436E 00	0.81523E 00	0.75531E 00
4.50	0.10443E 01	0.93322E 00	0.89563E 00	0.86887E 00	0.83255E 00	0.77430E 00
4.75	0.10327E 01	0.93571E 00	0.90491E 00	0.88206E 00	0.84835E 00	0.79182E 00
5.00	0.10224E 01	0.93821E 00	0.91339E 00	0.89400E 00	0.86273E 00	0.80796E 00
5.25	0.10134E 01	0.94069E 00	0.92112E 00	0.90480E 00	0.87580E 00	0.82282E 00
5.50	0.10055E 01	0.94314E 00	0.92816E 00	0.91454E 00	0.88766E 00	0.83650E 00
5.75	0.99870E 00	0.94553E 00	0.93456E 00	0.92331E 00	0.89841E 00	0.84910E 00
6.00	0.99276E 00	0.94787E 00	0.94036E 00	0.93120E 00	0.90815E 00	0.86069E 00
7.00	0.97623E 00	0.95651E 00	0.95866E 00	0.95547E 00	0.93866E 00	0.89856E 00
8.00	0.96792E 00	0.96397E 00	0.97102E 00	0.97112E 00	0.95902E 00	0.92586E 00
9.00	0.96464E 00	0.97031E 00	0.97943E 00	0.98117E 00	0.97257E 00	0.94564E 00
10.00	0.96438E 00	0.97563E 00	0.98521E 00	0.98763E 00	0.98160E 00	0.96003E 00
11.00	0.96583E 00	0.98005E 00	0.98922E 00	0.99179E 00	0.98761E 00	0.97055E 00
12.00	0.96819E 00	0.98371E 00	0.99205E 00	0.99448E 00	0.99163E 00	0.97827E 00

TABLE 3 (Continued)

P= 2

$\mu_o / \frac{\mu}{\mu_o}$	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.24161E-00	0.20004E-00	0.15644E-00	0.13256E-00	0.10567E-00	0.72124E-01
0.50	0.25387E-00	0.21202E-00	0.16736E-00	0.14253E-00	0.11427E-00	0.78636E-01
0.75	0.27335E-00	0.23074E-00	0.18413E-00	0.15770E-00	0.12719E-00	0.88222E-01
1.00	0.29851E-00	0.25460E-00	0.20526E-00	0.17670E-00	0.14330E-00	0.10011E-00
1.25	0.32751E-00	0.28182E-00	0.22913E-00	0.19808E-00	0.16135E-00	0.11336E-00
1.50	0.35875E-00	0.31092E-00	0.25449E-00	0.22071E-00	0.18039E-00	0.12729E-00
1.75	0.39097E-00	0.34078E-00	0.28040E-00	0.24380E-00	0.19977E-00	0.14142E-00
2.00	0.42326E-00	0.37062E-00	0.30621E-00	0.26677E-00	0.21904E-00	0.15544E-00
2.25	0.45496E-00	0.39987E-00	0.33151E-00	0.28927E-00	0.23790E-00	0.16916E-00
2.50	0.48564E-00	0.42818E-00	0.35599E-00	0.31107E-00	0.25618E-00	0.18245E-00
2.75	0.51502E 00	0.45532E-00	0.37951E-00	0.33201E-00	0.27376E-00	0.19525E-00
3.00	0.54294E 00	0.48118E-00	0.40196E-00	0.35204E-00	0.29059E-00	0.20751E-00
3.25	0.56933E 00	0.50569E 00	0.42333E-00	0.37113E-00	0.30667E-00	0.21924E-00
3.50	0.59418E 00	0.52887E 00	0.44362E-00	0.38930E-00	0.32200E-00	0.23045E-00
3.75	0.61750E 00	0.55074E 00	0.46287E-00	0.40658E-00	0.33661E-00	0.24116E-00
4.00	0.63936E 00	0.57136E 00	0.48112E-00	0.42302E-00	0.35055E-00	0.25140E-00
4.25	0.65983E 00	0.59079E 00	0.49844E-00	0.43865E-00	0.36386E-00	0.26120E-00
4.50	0.67899E 00	0.60911E 00	0.51487E 00	0.45355E-00	0.37657E-00	0.27060E-00
4.75	0.69692E 00	0.62638E 00	0.53049E 00	0.46776E-00	0.38874E-00	0.27962E-00
5.00	0.71371E 00	0.64269E 00	0.54535E 00	0.48133E-00	0.40041E-00	0.28830E-00
5.25	0.72944E 00	0.65810E 00	0.55951E 00	0.49430E-00	0.41161E-00	0.29666E-00
5.50	0.74417E 00	0.67267E 00	0.57302E 00	0.50674E 00	0.42238E-00	0.30473E-00
5.75	0.75800E 00	0.68647E 00	0.58592E 00	0.51867E 00	0.43275E-00	0.31254E-00
6.00	0.77097E 00	0.69955E 00	0.59892E 00	0.53013E 00	0.44276E-00	0.32009E-00
7.00	0.81557E 00	0.74565E 00	0.64283E 00	0.57195E 00	0.47965E-00	0.34819E-00
8.00	0.85075E 00	0.78364E 00	0.68105E 00	0.60847E 00	0.51242E 00	0.37355E-00
9.00	0.87881E 00	0.81534E 00	0.71429E 00	0.64084E 00	0.54197E 00	0.39677E-00
10.00	0.90135E 00	0.84203E 00	0.74349E 00	0.66983E 00	0.56890E 00	0.41826E-00
11.00	0.91957E 00	0.86465E 00	0.76932E 00	0.69599E 00	0.59364E 00	0.43832E-00
12.00	0.93435E 00	0.88389E 00	0.79230E 00	0.71972E 00	0.61649E 00	0.45715E-00

TABLE 3 (Continued)

P= 3

$\frac{\mu}{\mu_0}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.1634E 01	0.11819E 01	0.90911E 00	0.71839E 00	0.57137E 00	0.44848E-00
0.50	0.16034E 01	0.11656E 01	0.90367E 00	0.72150E 00	0.58102E 00	0.46262E-00
0.75	0.15600E 01	0.11440E 01	0.89833E 00	0.72874E 00	0.59767E 00	0.48543E-00
1.00	0.15101E 01	0.11208E 01	0.89501E 00	0.74055E 00	0.62049E 00	0.51510E 00
1.25	0.14576E 01	0.10982E 01	0.89424E 00	0.75617E 00	0.64770E 00	0.54917E 00
1.50	0.14054E 01	0.10772E 01	0.89585E 00	0.77441E 00	0.67741E 00	0.58540E 00
1.75	0.13552E 01	0.10583E 01	0.89936E 00	0.79404E 00	0.70795E 00	0.62198E 00
2.00	0.13081E 01	0.10418E 01	0.90423E 00	0.81402E 00	0.73805E 00	0.65761E 00
2.25	0.12649E 01	0.10277E 01	0.90995E 00	0.83357E 00	0.76679E 00	0.69145E 00
2.50	0.12258E 01	0.10157E 01	0.91612E 00	0.85215E 00	0.79363E 00	0.72300E 00
2.75	0.11909E 01	0.10058E 01	0.92242E 00	0.86941E 00	0.81826E 00	0.75201E 00
3.00	0.11599E 01	0.99764E 00	0.92864E 00	0.88519E 00	0.84056E 00	0.77844E 00
3.25	0.11326E 01	0.99104E 00	0.93462E 00	0.89942E 00	0.86055E 00	0.80233E 00
3.50	0.11088E 01	0.98578E 00	0.94027E 00	0.91213E 00	0.87833E 00	0.82382E 00
3.75	0.10881E 01	0.98168E 00	0.94555E 00	0.92339E 00	0.89404E 00	0.84307E 00
4.00	0.10701E 01	0.97855E 00	0.95043E 00	0.93331E 00	0.90786E 00	0.86028E 00
4.25	0.10547E 01	0.97624E 00	0.95492E 00	0.94200E 00	0.91997E 00	0.87561E 00
4.50	0.10414E 01	0.97462E 00	0.95902E 00	0.94960E 00	0.93055E 00	0.88927E 00
4.75	0.10300E 01	0.97356E 00	0.96276E 00	0.95621E 00	0.93977E 00	0.90143E 00
5.00	0.10203E 01	0.97297E 00	0.96615E 00	0.96195E 00	0.94778E 00	0.91224E 00
5.25	0.10120E 01	0.97276E 00	0.96924E 00	0.96693E 00	0.95475E 00	0.92185E 00
5.50	0.10050E 01	0.97286E 00	0.97203E 00	0.97125E 00	0.96079E 00	0.93039E 00
5.75	0.99915E 00	0.97320E 00	0.97456E 00	0.97498E 00	0.96602E 00	0.93798E 00
6.00	0.99422E 00	0.97373E 00	0.97686E 00	0.97821E 00	0.97055E 00	0.94473E 00
7.00	0.98170E 00	0.97700E 00	0.98406E 00	0.98732E 00	0.98335E 00	0.96506E 00
8.00	0.97668E 00	0.98091E 00	0.98892E 00	0.99244E 00	0.99050E 00	0.97783E 00
9.00	0.97568E 00	0.98462E 00	0.99222E 00	0.99535E 00	0.99452E 00	0.98588E 00
10.00	0.97675E 00	0.98781E 00	0.99447E 00	0.99704E 00	0.99678E 00	0.99098E 00
11.00	0.97878E 00	0.99042E 00	0.99602E 00	0.99805E 00	0.99807E 00	0.99422E 00
12.00	0.98115E 00	0.99250E 00	0.99710E 00	0.99867E 00	0.99881E 00	0.99629E 00

TABLE 3 (Continued)

P= 3

$\frac{\mu}{\mu_0}$	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.33662E-00	0.28065E-00	0.22101E-00	0.18801E-00	0.15066E-00	0.10400E-00
0.50	0.35280E-00	0.29666E-00	0.23573E-00	0.20148E-00	0.16228E-00	0.11275E-00
0.75	0.37801E-00	0.32126E-00	0.25803E-00	0.22175E-00	0.17962E-00	0.12562E-00
1.00	0.40980E-00	0.35193E-00	0.28557E-00	0.24666E-00	0.20084E-00	0.14129E-00
1.25	0.44552E-00	0.38608E-00	0.31600E-00	0.27410E-00	0.22412E-00	0.15843E-00
1.50	0.48293E-00	0.42165E-00	0.34754E-00	0.30247E-00	0.24816E-00	0.17607E-00
1.75	0.52035E-00	0.45715E-00	0.37896E-00	0.33072E-00	0.27206E-00	0.19361E-00
2.00	0.55669E-00	0.49161E-00	0.40947E-00	0.35816E-00	0.29530E-00	0.21065E-00
2.25	0.59123E-00	0.52444E-00	0.43863E-00	0.38442E-00	0.31757E-00	0.22701E-00
2.50	0.62362E-00	0.55535E-00	0.46620E-00	0.40932E-00	0.33674E-00	0.24258E-00
2.75	0.65369E-00	0.58421E-00	0.49212E-00	0.43279E-00	0.35875E-00	0.25735E-00
3.00	0.68142E-00	0.61105E-00	0.51640E-00	0.45487E-00	0.37765E-00	0.27135E-00
3.25	0.70690E-00	0.63592E-00	0.53912E-00	0.47562E-00	0.39549E-00	0.28463E-00
3.50	0.73025E-00	0.65896E-00	0.56038E-00	0.49514E-00	0.41235E-00	0.29723E-00
3.75	0.75162E-00	0.68029E-00	0.58029E-00	0.51352E-00	0.42831E-00	0.30921E-00
4.00	0.77117E-00	0.70005E-00	0.59897E-00	0.53086E-00	0.44345E-00	0.32064E-00
4.25	0.78905E-00	0.71838E-00	0.61652E-00	0.54725E-00	0.45785E-00	0.33157E-00
4.50	0.80543E-00	0.73540E-00	0.63304E-00	0.56279E-00	0.47158E-00	0.34204E-00
4.75	0.82043E-00	0.75124E-00	0.64863E-00	0.57754E-00	0.48469E-00	0.35210E-00
5.00	0.83419E-00	0.76598E-00	0.66336E-00	0.59157E-00	0.49725E-00	0.36179E-00
5.25	0.84682E-00	0.77974E-00	0.67731E-00	0.60495E-00	0.50929E-00	0.37113E-00
5.50	0.85842E-00	0.79258E-00	0.69054E-00	0.61773E-00	0.52087E-00	0.38017E-00
5.75	0.86909E-00	0.80459E-00	0.70310E-00	0.62995E-00	0.53202E-00	0.38892E-00
6.00	0.87891E-00	0.81584E-00	0.71505E-00	0.64166E-00	0.54276E-00	0.39741E-00
7.00	0.91109E-00	0.85428E-00	0.75750E-00	0.68400E-00	0.58227E-00	0.42907E-00
8.00	0.93449E-00	0.88431E-00	0.79293E-00	0.72039E-00	0.61716E-00	0.45770E-00
9.00	0.95163E-00	0.90796E-00	0.82277E-00	0.75201E-00	0.64832E-00	0.48392E-00
10.00	0.96424E-00	0.92668E-00	0.84808E-00	0.77968E-00	0.67638E-00	0.50812E-00
11.00	0.97354E-00	0.94155E-00	0.86964E-00	0.80401E-00	0.70179E-00	0.53060E-00
12.00	0.98041E-00	0.95338E-00	0.88805E-00	0.82549E-00	0.72490E-00	0.55158E-00

TABLE 3 (Continued)

P= 4

$\mu_o \sqrt{\frac{\mu}{\mu_o}}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.15743E 01	0.12486E 01	0.10173E 01	0.83596E 00	0.68374E 00	0.54793E 00
0.50	0.15453E 01	0.12300E 01	0.10092E 01	0.83744E 00	0.69334E 00	0.56356E 00
0.75	0.15035E 01	0.12043E 01	0.99924E 00	0.84179E 00	0.70954E 00	0.58828E 00
1.00	0.14547E 01	0.11755E 01	0.98977E 00	0.84952E 00	0.73121E 00	0.61965E 00
1.25	0.14033E 01	0.11464E 01	0.98189E 00	0.86007E 00	0.75639E 00	0.65474E 00
1.50	0.13523E 01	0.11189E 01	0.97594E 00	0.87245E 00	0.78306E 00	0.69095E 00
1.75	0.13040E 01	0.10940E 01	0.97183E 00	0.88563E 00	0.80957E 00	0.72635E 00
2.00	0.12594E 01	0.10721E 01	0.96930E 00	0.89880E 00	0.83476E 00	0.75969E 00
2.25	0.12193E 01	0.10533E 01	0.96805E 00	0.91138E 00	0.85793E 00	0.79027E 00
2.50	0.11837E 01	0.10375E 01	0.96779E 00	0.92300E 00	0.87872E 00	0.81779E 00
2.75	0.11525E 01	0.10245E 01	0.96825E 00	0.93350E 00	0.89705E 00	0.84223E 00
3.00	0.11254E 01	0.10139E 01	0.96922E 00	0.94282E 00	0.91299E 00	0.86371E 00
3.25	0.11021E 01	0.10055E 01	0.97054E 00	0.95097E 00	0.92670E 00	0.88247E 00
3.50	0.10820E 01	0.99881E 00	0.97209E 00	0.95805E 00	0.93841E 00	0.89875E 00
3.75	0.10650E 01	0.99365E 00	0.97376E 00	0.96414E 00	0.94834E 00	0.91295E 00
4.00	0.10505E 01	0.98975E 00	0.97549E 00	0.96935E 00	0.95672E 00	0.92502E 00
4.25	0.10382E 01	0.98688E 00	0.97723E 00	0.97380E 00	0.96377E 00	0.93550E 00
4.50	0.10278E 01	0.98484E 00	0.97893E 00	0.97759E 00	0.96969E 00	0.94452E 00
4.75	0.10191E 01	0.98347E 00	0.98057E 00	0.98080E 00	0.97464E 00	0.95228E 00
5.00	0.10119E 01	0.98264E 00	0.98213E 00	0.98353E 00	0.97877E 00	0.95894E 00
5.25	0.10058E 01	0.98223E 00	0.98361E 00	0.98585E 00	0.98223E 00	0.96467E 00
5.50	0.10008E 01	0.98215E 00	0.98499E 00	0.98781E 00	0.98510E 00	0.96959E 00
5.75	0.99664E 00	0.98232E 00	0.98628E 00	0.98948E 00	0.98750E 00	0.97382E 00
6.00	0.99326E 00	0.98268E 00	0.98747E 00	0.99089E 00	0.98950E 00	0.97745E 00
7.00	0.98525E 00	0.98518E 00	0.99136E 00	0.99475E 00	0.99468E 00	0.98755E 00
8.00	0.98272E 00	0.98812E 00	0.99405E 00	0.99683E 00	0.99721E 00	0.99308E 00
9.00	0.98290E 00	0.99078E 00	0.99588E 00	0.99800E 00	0.99846E 00	0.99613E 00
10.00	0.98432E 00	0.99294E 00	0.99711E 00	0.99868E 00	0.99911E 00	0.99782E 00
11.00	0.98620E 00	0.99462E 00	0.99794E 00	0.99910E 00	0.99945E 00	0.99875E 00
12.00	0.98814E 00	0.99590E 00	0.99851E 00	0.99936E 00	0.99964E 00	0.99928E 00

TABLE 3 (Continued)

P= 4

$\mu_o \sqrt{\frac{\mu}{\mu_o}}$	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.41783E-00	0.35068E-00	0.27787E-00	0.23711E-00	0.19067E-00	0.13238E-00
0.50	0.43664E-00	0.36961E-00	0.29549E-00	0.25332E-00	0.20470E-00	0.14293E-00
0.75	0.46548E-00	0.39827E-00	0.32188E-00	0.27746E-00	0.22548E-00	0.15841E-00
1.00	0.50109E 00	0.43333E-00	0.35388E-00	0.30662E-00	0.25047E-00	0.17696E-00
1.25	0.54017E 00	0.47154E-00	0.38857E-00	0.33815E-00	0.27743E-00	0.19691E-00
1.50	0.58006E 00	0.51043E 00	0.42380E-00	0.37015E-00	0.30477E-00	0.21713E-00
1.75	0.61893E 00	0.54834E 00	0.45819E-00	0.40141E-00	0.33150E-00	0.23691E-00
2.00	0.65565E 00	0.58429E 00	0.49095E-00	0.43126E-00	0.35709E-00	0.25589E-00
2.25	0.68964E 00	0.61779E 00	0.52170E 00	0.45939E-00	0.38129E-00	0.27390E-00
2.50	0.72068E 00	0.64868E 00	0.55033E 00	0.48571E-00	0.40404E-00	0.29090E-00
2.75	0.74879E 00	0.67698E 00	0.57689E 00	0.51025E 00	0.42538E-00	0.30694E-00
3.00	0.77410E 00	0.70282E 00	0.60148E 00	0.53314E 00	0.44541E-00	0.32208E-00
3.25	0.79682E 00	0.72640E 00	0.62425E 00	0.55450E 00	0.46423E-00	0.33640E-00
3.50	0.81719E 00	0.74790E 00	0.64539E 00	0.57448E 00	0.48197E-00	0.34999E-00
3.75	0.83544E 00	0.76752E 00	0.66503E 00	0.59320E 00	0.49872E-00	0.36292E-00
4.00	0.85179E 00	0.78546E 00	0.68332E 00	0.61079E 00	0.51459E 00	0.37526E-00
4.25	0.86645E 00	0.80188E 00	0.70040E 00	0.62736E 00	0.52967E 00	0.38708E-00
4.50	0.87959E 00	0.81692E 00	0.71637E 00	0.64300E 00	0.54402E 00	0.39841E-00
4.75	0.89139E 00	0.83073E 00	0.73134E 00	0.65781E 00	0.55772E 00	0.40931E-00
5.00	0.90200E 00	0.84343E 00	0.74539E 00	0.67183E 00	0.57083E 00	0.41982E-00
5.25	0.91153E 00	0.85511E 00	0.75861E 00	0.68516E 00	0.58338E 00	0.42997E-00
5.50	0.92011E 00	0.86587E 00	0.77105E 00	0.69782E 00	0.59542E 00	0.43978E-00
5.75	0.92784E 00	0.87580E 00	0.78278E 00	0.70983E 00	0.60699E 00	0.44928E-00
6.00	0.93480E 00	0.88496E 00	0.79385E 00	0.72138E 00	0.61812E 00	0.45850E-00
7.00	0.95646E 00	0.91515E 00	0.83238E 00	0.76243E 00	0.65880E 00	0.49288E-00
8.00	0.97086E 00	0.93729E 00	0.86338E 00	0.79687E 00	0.69425E 00	0.52386E 00
9.00	0.98048E 00	0.95360E 00	0.88847E 00	0.82600E 00	0.72545E 00	0.55208E 00
10.00	0.98691E 00	0.96565E 00	0.90886E 00	0.85075E 00	0.75308E 00	0.57798E 00
11.00	0.99122E 00	0.97456E 00	0.92547E 00	0.87186E 00	0.77765E 00	0.60186E 00
12.00	0.99410E 00	0.98115E 00	0.93904E 00	0.88992E 00	0.79959E 00	0.62400E 00

TABLE 3 (Continued)

P= 5

$\mu_o \setminus \frac{\mu}{\mu_o}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.14726E 01	0.12570E 01	0.10763E 01	0.91665E 00	0.77003E 00	0.62974E 00
0.50	0.14477E 01	0.12378E 01	0.10658E 01	0.91595E 00	0.77856E 00	0.64575E 00
0.75	0.14116E 01	0.12108E 01	0.10521E 01	0.91669E 00	0.79278E 00	0.67064E 00
1.00	0.13692E 01	0.11802E 01	0.10378E 01	0.91967E 00	0.81150E 00	0.70155E 00
1.25	0.13247E 01	0.11493E 01	0.10246E 01	0.92469E 00	0.83278E 00	0.73526E 00
1.50	0.12811E 01	0.11202E 01	0.10134E 01	0.93111E 00	0.85475E 00	0.76911E 00
1.75	0.12402E 01	0.10941E 01	0.10043E 01	0.93822E 00	0.87596E 00	0.80123E 00
2.00	0.12030E 01	0.10716E 01	0.99730E 00	0.94545E 00	0.89547E 00	0.83055E 00
2.25	0.11699E 01	0.10527E 01	0.99216E 00	0.95239E 00	0.91282E 00	0.85659E 00
2.50	0.11408E 01	0.10371E 01	0.98857E 00	0.95880E 00	0.92786E 00	0.87927E 00
2.75	0.11157E 01	0.10245E 01	0.98623E 00	0.96455E 00	0.94066E 00	0.89875E 00
3.00	0.10942E 01	0.10145E 01	0.98487E 00	0.96963E 00	0.95139E 00	0.91532E 00
3.25	0.10758E 01	0.10067E 01	0.98424E 00	0.97403E 00	0.96031E 00	0.92932E 00
3.50	0.10601E 01	0.10007E 01	0.98417E 00	0.97783E 00	0.96765E 00	0.94107E 00
3.75	0.10469E 01	0.99615E 00	0.98448E 00	0.98107E 00	0.97365E 00	0.95091E 00
4.00	0.10358E 01	0.99282E 00	0.98507E 00	0.98383E 00	0.97855E 00	0.95913E 00
4.25	0.10265E 01	0.99045E 00	0.98583E 00	0.98616E 00	0.98253E 00	0.96598E 00
4.50	0.10187E 01	0.98883E 00	0.98669E 00	0.98815E 00	0.98575E 00	0.97168E 00
4.75	0.10122E 01	0.98779E 00	0.98761E 00	0.98982E 00	0.98836E 00	0.97642E 00
5.00	0.10069E 01	0.98722E 00	0.98854E 00	0.99124E 00	0.99047E 00	0.98036E 00
5.25	0.10025E 01	0.98699E 00	0.98945F 00	0.99244E 00	0.99218E 00	0.98364E 00
5.50	0.99887E 00	0.98702E 00	0.99033E 00	0.99346E 00	0.99356E 00	0.98636E 00
5.75	0.99594E 00	0.98725E 00	0.99116E 00	0.99432E 00	0.99468E 00	0.98862E 00
6.00	0.99359E 00	0.98762E 00	0.99195E 00	0.99506E 00	0.99559E 00	0.99050E 00
7.00	0.98833E 00	0.98976E 00	0.99452E 00	0.99708E 00	0.99782E 00	0.99536E 00
8.00	0.98705E 00	0.99205E 00	0.99628E 00	0.99819E 00	0.99883E 00	0.99769E 00
9.00	0.98764E 00	0.99399E 00	0.99746E 00	0.99883E 00	0.99932E 00	0.99882E 00
10.00	0.98899E 00	0.99550E 00	0.99823E 00	0.99922E 00	0.99958E 00	0.99938E 00
11.00	0.99055E 00	0.99663E 00	0.99874E 00	0.99946E 00	0.99972E 00	0.99966E 00
12.00	0.99205E 00	0.99746E 00	0.99909F 00	0.99961E 00	0.99980E 00	0.99980E 00

TABLE 3 (Continued)

P= 5

$\frac{\mu}{\mu_0} \backslash \mu_0$	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.48782E-00	0.41212E-00	0.32850E-00	0.28111E-00	0.22673E-00	0.15804F-00
0.50	0.50828E 00	0.43310E-00	0.34833E-00	0.29947E-00	0.24271F-00	0.17009F-00
0.75	0.53919E 00	0.46448E-00	0.37772E-00	0.32656E-00	0.26616E-00	0.18765F-00
1.00	0.57665E 00	0.50221E 00	0.41281E-00	0.35880E-00	0.29399E-00	0.20843F-00
1.25	0.61690E 00	0.54257E 00	0.45023F-00	0.39313E-00	0.32360E-00	0.23051E-00
1.50	0.65705E 00	0.58283E 00	0.48760E-00	0.42744E-00	0.35321E-00	0.25260F-00
1.75	0.69524E 00	0.62130E 00	0.52350E 00	0.46049E-00	0.38181E-00	0.27400E-00
2.00	0.73048E 00	0.65709E 00	0.55719E 00	0.49165E-00	0.40891E-00	0.29435E-00
2.25	0.76234E 00	0.68983E 00	0.58842E 00	0.52072E 00	0.43433F-00	0.31355F-00
2.50	0.79077E 00	0.71951E 00	0.61716E 00	0.54768E 00	0.45808E-00	0.33162F-00
2.75	0.81596E 00	0.74628E 00	0.64356E 00	0.57266E 00	0.48027E-00	0.34862E-00
3.00	0.83815E 00	0.77036E 00	0.66781E 00	0.59581E 00	0.50102E 00	0.36467F-00
3.25	0.85766E 00	0.79201E 00	0.69009E 00	0.61732E 00	0.52049E 00	0.37985F-00
3.50	0.87479E 00	0.81149F 00	0.71061E 00	0.63735E 00	0.53880E 00	0.39426F-00
3.75	0.88981E 00	0.82903E 00	0.72955E 00	0.65604E 00	0.55608E 00	0.40798F-00
4.00	0.90300E 00	0.84484E 00	0.74707E 00	0.67354E 00	0.57242E 00	0.42109F-00
4.25	0.91458E 00	0.85911E 00	0.76331E 00	0.68995E 00	0.58792E 00	0.43365F-00
4.50	0.92474E 00	0.87201E 00	0.77838E 00	0.70537E 00	0.60265E 00	0.44570E-00
4.75	0.93368E 00	0.88369E 00	0.79240E 00	0.71990E 00	0.61668E 00	0.45730E-00
5.00	0.94154E 00	0.89426E 00	0.80546E 00	0.73359E 00	0.63007E 00	0.46847E-00
5.25	0.94845E 00	0.90384E 00	0.81763F 00	0.74653E 00	0.64286E 00	0.47926E-00
5.50	0.95454E 00	0.91253E 00	0.82899E 00	0.75876E 00	0.65509E 00	0.48969F-00
5.75	0.95990E 00	0.92042E 00	0.83960E 00	0.77034E 00	0.66682E 00	0.49978E-00
6.00	0.96462E 00	0.92759E 00	0.84952E 00	0.78131E 00	0.67806E 00	0.50956E 00
7.00	0.97853E 00	0.95030E 00	0.88326F 00	0.81985E 00	0.71875E 00	0.54593E 00
8.00	0.98696E 00	0.96585E 00	0.90927E 00	0.85127E 00	0.75367E 00	0.57854E 00
9.00	0.99207E 00	0.97652E 00	0.92942E 00	0.87704E 00	0.78384E 00	0.60801E 00
10.00	0.99517E 00	0.98385E 00	0.94507E 00	0.89825E 00	0.81006F 00	0.63487F 00
11.00	0.99706E 00	0.98889E 00	0.95723E 00	0.91575E 00	0.83293E 00	0.65946E 00
12.00	0.99820E 00	0.99236E 00	0.96669E 00	0.93021E 00	0.85294E 00	0.68206E 00

TABLE 3 (Continued)

P= 6

$\mu_o \sqrt{\frac{\mu}{\mu_o}}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.13742E 01	0.12385E 01	0.11043E 01	0.97072E 00	0.83597E 00	0.69723E 00
0.50	0.13540E 01	0.12200E 01	0.10924E 01	0.96783E 00	0.84289E 00	0.71284E 00
0.75	0.13247E 01	0.11939E 01	0.10762E 01	0.96513E 00	0.85439E 00	0.73675E 00
1.00	0.12903E 01	0.11644E 01	0.10589E 01	0.96375E 00	0.86940E 00	0.76586E 00
1.25	0.12543E 01	0.11348E 01	0.10427E 01	0.96396E 00	0.88621E 00	0.79688E 00
1.50	0.12192E 01	0.11073E 01	0.10286E 01	0.96550E 00	0.90320E 00	0.82723E 00
1.75	0.11865E 01	0.10830E 01	0.10171E 01	0.96794E 00	0.91921E 00	0.85523E 00
2.00	0.11570E 01	0.10623E 01	0.10082E 01	0.97086E 00	0.93355E 00	0.88005E 00
2.25	0.11308E 01	0.10452E 01	0.10014E 01	0.97395E 00	0.94594E 00	0.90143E 00
2.50	0.11080E 01	0.10314E 01	0.99661E 00	0.97698E 00	0.95636E 00	0.91748E 00
2.75	0.10883E 01	0.10204E 01	0.99331E 00	0.97984E 00	0.96497E 00	0.93451E 00
3.00	0.10715E 01	0.10119E 01	0.99120E 00	0.98245E 00	0.97197E 00	0.94689E 00
3.25	0.10572E 01	0.10053E 01	0.98998E 00	0.98478E 00	0.97761E 00	0.95702E 00
3.50	0.10450E 01	0.10004E 01	0.98942E 00	0.98683E 00	0.98213E 00	0.96526E 00
3.75	0.10348E 01	0.99679E 00	0.98933E 00	0.98862E 00	0.98572E 00	0.97194E 00
4.00	0.10263E 01	0.99419E 00	0.98955E 00	0.99017E 00	0.98856E 00	0.97735E 00
4.25	0.10191E 01	0.99239E 00	0.98999E 00	0.99151E 00	0.99082E 00	0.98171E 00
4.50	0.10131E 01	0.99121E 00	0.99056E 00	0.99266E 00	0.99260E 00	0.98522E 00
4.75	0.10082E 01	0.99050E 00	0.99120E 00	0.99364E 00	0.99401E 00	0.98805E 00
5.00	0.10042E 01	0.99015E 00	0.99186E 00	0.99449E 00	0.99512E 00	0.99033E 00
5.25	0.10009E 01	0.99007E 00	0.99253E 00	0.99521E 00	0.99601E 00	0.99217E 00
5.50	0.99820E 00	0.99018E 00	0.99317E 00	0.99583E 00	0.99671E 00	0.99365E 00
5.75	0.99606E 00	0.99043E 00	0.99378E 00	0.99636E 00	0.99728E 00	0.99484E 00
6.00	0.99436E 00	0.99078E 00	0.99436E 00	0.99681E 00	0.99773E 00	0.99580E 00
7.00	0.99073E 00	0.99259E 00	0.99622E 00	0.99808E 00	0.99883E 00	0.99812E 00
8.00	0.99010E 00	0.99437E 00	0.99746E 00	0.99880E 00	0.99933E 00	0.99912E 00
9.00	0.99079E 00	0.99582E 00	0.99828E 00	0.99922E 00	0.99959E 00	0.99956E 00
10.00	0.99196E 00	0.99691E 00	0.99880E 00	0.99947E 00	0.99973E 00	0.99977E 00
11.00	0.99321E 00	0.99770E 00	0.99915E 00	0.99963E 00	0.99982E 00	0.99986E 00
12.00	0.99437E 00	0.99828E 00	0.99938E 00	0.99974E 00	0.99987E 00	0.99991E 00

TABLE 3 (Continued)

P= 6

μ_o / μ_o	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.54855E 00	0.46645E-00	0.37399E-00	0.32092E-00	0.25955E-00	0.18151E-00
0.50	0.56991E 00	0.48884E-00	0.39551E-00	0.34099E-00	0.27712E-00	0.19481E-00
0.75	0.60176E 00	0.52194E 00	0.42708E-00	0.37031E-00	0.30270E-00	0.21408E-00
1.00	0.63972E 00	0.56113E 00	0.46429E-00	0.40480E-00	0.33271E-00	0.23665E-00
1.25	0.67970E 00	0.60235E 00	0.50341E 00	0.44106E-00	0.36427E-00	0.26038E-00
1.50	0.71875E 00	0.64275E 00	0.54193E 00	0.47685E-00	0.39550E-00	0.28391E-00
1.75	0.75511E 00	0.68069E 00	0.57845E 00	0.51096E 00	0.42540E-00	0.30655E-00
2.00	0.78792E 00	0.71539E 00	0.61233E 00	0.54282E 00	0.45353E-00	0.32797E-00
2.25	0.81695E 00	0.74664E 00	0.64340E 00	0.57230E 00	0.47978E-00	0.34813E-00
2.50	0.84232E 00	0.77453E 00	0.67175E 00	0.59948E 00	0.50422E 00	0.36706E-00
2.75	0.86432E 00	0.79933E 00	0.69757E 00	0.62452E 00	0.52698E 00	0.38488E-00
3.00	0.88330E 00	0.82132E 00	0.72110E 00	0.64763E 00	0.54824E 00	0.40169E-00
3.25	0.89965E 00	0.84082E 00	0.74257E 00	0.66900E 00	0.56813E 00	0.41761E-00
3.50	0.91369E 00	0.85812E 00	0.76220E 00	0.68881E 00	0.58682E 00	0.43272E-00
3.75	0.92577E 00	0.87348E 00	0.78018E 00	0.70722E 00	0.60441E 00	0.44712E-00
4.00	0.93613E 00	0.88712E 00	0.79668E 00	0.72436E 00	0.62102E 00	0.46088E-00
4.25	0.94504E 00	0.89925E 00	0.81184E 00	0.74036E 00	0.63673E 00	0.47406E-00
4.50	0.95270E 00	0.91006E 00	0.82580E 00	0.75532E 00	0.65163E 00	0.48670E-00
4.75	0.95928E 00	0.91968E 00	0.83867E 00	0.76932E 00	0.66577E 00	0.49886E-00
5.00	0.96494E 00	0.92826E 00	0.85054E 00	0.78245E 00	0.67922E 00	0.51057E 00
5.25	0.96981E 00	0.93591E 00	0.86150E 00	0.79477E 00	0.69203E 00	0.52186E 00
5.50	0.97400E 00	0.94273E 00	0.87163E 00	0.80634E 00	0.70424E 00	0.53277E 00
5.75	0.97760E 00	0.94883E 00	0.88100E 00	0.81721E 00	0.71590E 00	0.54331E 00
6.00	0.98070E 00	0.95427E 00	0.88967E 00	0.82745E 00	0.72703E 00	0.55351E 00
7.00	0.98936E 00	0.97081E 00	0.91840E 00	0.86276E 00	0.76692E 00	0.59131E 00
8.00	0.99412E 00	0.98136E 00	0.93957E 00	0.89066E 00	0.80051E 00	0.62493E 00
9.00	0.99675E 00	0.98809E 00	0.95523E 00	0.91281E 00	0.82899E 00	0.65513E 00
10.00	0.99820E 00	0.99239E 00	0.96683E 00	0.93043E 00	0.85325E 00	0.68241E 00
11.00	0.99900E 00	0.99514E 00	0.97542E 00	0.94447E 00	0.87396E 00	0.70718E 00
12.00	0.99944E 00	0.99689E 00	0.98178E 00	0.95566E 00	0.89168E 00	0.72975E 00

TABLE 3 (Continued)

P= 7

$\frac{\mu}{\mu_0}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.12929E 01	0.12101E 01	0.11139E 01	0.10059E 01	0.88608E 00	0.75299F 00
0.50	0.12771E 01	0.11932E 01	0.11012E 01	0.10011E 01	0.89116E 00	0.76769E 00
0.75	0.12541E 01	0.11694E 01	0.10840E 01	0.99553E 00	0.89972E 00	0.78990E 00
1.00	0.12271E 01	0.11426E 01	0.10654E 01	0.99068E 00	0.91092E 00	0.81645E 00
1.25	0.11989E 01	0.11159E 01	0.10481E 01	0.98723E 00	0.92339E 00	0.84414E 00
1.50	0.11715E 01	0.10913E 01	0.10330E 01	0.98524E 00	0.93584E 00	0.87057E 00
1.75	0.11459E 01	0.10699E 01	0.10209E 01	0.98447E 00	0.94735E 00	0.89432E 00
2.00	0.11227E 01	0.10519E 01	0.10115E 01	0.98459E 00	0.95745E 00	0.91478E 00
2.25	0.11022E 01	0.10372E 01	0.10045E 01	0.98530E 00	0.96598E 00	0.93190E 00
2.50	0.10843E 01	0.10255E 01	0.99953E 00	0.98636E 00	0.97300E 00	0.94594E 00
2.75	0.10688E 01	0.10163E 01	0.99617E 00	0.98758E 00	0.97865E 00	0.95728E 00
3.00	0.10556E 01	0.10093E 01	0.99402E 00	0.98886E 00	0.98315E 00	0.96634E 00
3.25	0.10443E 01	0.10039E 01	0.99276E 00	0.99010E 00	0.98670E 00	0.97353E 00
3.50	0.10347E 01	0.99999E 00	0.99214E 00	0.99127E 00	0.98948E 00	0.97921E 00
3.75	0.10267E 01	0.99714E 00	0.99197E 00	0.99234E 00	0.99164E 00	0.98367E 00
4.00	0.10199E 01	0.99512E 00	0.99211E 00	0.99330E 00	0.99333E 00	0.98717E 00
4.25	0.10143E 01	0.99377E 00	0.99243E 00	0.99415E 00	0.99465E 00	0.98991E 00
4.50	0.10096E 01	0.99291E 00	0.99287E 00	0.99490E 00	0.99568E 00	0.99205E 00
4.75	0.10053E 01	0.99242E 00	0.99337E 00	0.99556E 00	0.99648E 00	0.99373E 00
5.00	0.10027E 01	0.99222E 00	0.99389E 00	0.99612E 00	0.99712E 00	0.99504E 00
5.25	0.10001E 01	0.99222E 00	0.99442E 00	0.99662E 00	0.99762E 00	0.99607E 00
5.50	0.99806E 00	0.99237E 00	0.99492E 00	0.99704E 00	0.99802E 00	0.99687E 00
5.75	0.99643E 00	0.99261E 00	0.99539E 00	0.99741E 00	0.99834E 00	0.99751E 00
6.00	0.99516E 00	0.99293E 00	0.99583E 00	0.99773E 00	0.99860E 00	0.99800E 00
7.00	0.99256E 00	0.99443E 00	0.99724E 00	0.99863E 00	0.99923E 00	0.99914E 00
8.00	0.99226E 00	0.99583E 00	0.99816E 00	0.99914E 00	0.99954E 00	0.99959E 00
9.00	0.99293E 00	0.99694E 00	0.99876E 00	0.99944E 00	0.99971E 00	0.99978E 00
10.00	0.99391E 00	0.99775E 00	0.99914E 00	0.99962E 00	0.99981E 00	0.99987E 00
11.00	0.99492E 00	0.99834E 00	0.99939E 00	0.99973E 00	0.99987E 00	0.99992E 00
12.00	0.99583E 00	0.99876E 00	0.99955E 00	0.99981E 00	0.99990E 00	0.99995E 00

TABLE 3 (Continued)

P= 7

$\mu_0 \sqrt{\frac{\mu}{\mu_0}}$	0.6	0.85	0.9	0.925	0.950	0.975
0.25	0.60153E 00	0.51482E 00	0.41518E-00	0.35724E-00	0.28969E-00	0.20317E-00
0.50	0.62324E 00	0.53811E 00	0.43798E-00	0.37866E-00	0.30857E-00	0.21754E-00
0.75	0.65521E 00	0.57217E 00	0.47112E-00	0.40970E-00	0.33584E-00	0.23823E-00
1.00	0.69271E 00	0.61196E 00	0.50973E 00	0.44583E-00	0.36756E-00	0.26226E-00
1.25	0.73150E 00	0.65316E 00	0.54983E 00	0.48340E-00	0.40060E-00	0.28732E-00
1.50	0.76865E 00	0.69292E 00	0.58885E 00	0.52013E 00	0.43303E-00	0.31202E-00
1.75	0.80253E 00	0.72965E 00	0.62542E 00	0.55481E 00	0.46386E-00	0.33566E-00
2.00	0.83249E 00	0.76274E 00	0.65902E 00	0.58697E 00	0.49272E-00	0.35797E-00
2.25	0.85846E 00	0.79210E 00	0.68956E 00	0.61654E 00	0.51955E 00	0.37893E-00
2.50	0.88068E 00	0.81794E 00	0.71719E 00	0.64366E 00	0.54446E 00	0.39861E-00
2.75	0.89955E 00	0.84058E 00	0.74217E 00	0.66853E 00	0.56762E 00	0.41713E-00
3.00	0.91550E 00	0.86037E 00	0.76475E 00	0.69137E 00	0.58920E 00	0.43461E-00
3.25	0.92895E 00	0.87768E 00	0.78520E 00	0.71239E 00	0.60936E 00	0.45117E-00
3.50	0.94027E 00	0.89280E 00	0.80374E 00	0.73178E 00	0.62824E 00	0.46689E-00
3.75	0.94978E 00	0.90603E 00	0.82059E 00	0.74970E 00	0.64598E 00	0.48187E-00
4.00	0.95778E 00	0.91760E 00	0.83591E 00	0.76630E 00	0.66268E 00	0.49617E-00
4.25	0.96450E 00	0.92773E 00	0.84986E 00	0.78170E 00	0.67843E 00	0.50986E 00
4.50	0.97015E 00	0.93661E 00	0.86259E 00	0.79600E 00	0.69332E 00	0.52298E 00
4.75	0.97490E 00	0.94438E 00	0.87421E 00	0.80931E 00	0.70740E 00	0.53559E 00
5.00	0.97889E 00	0.95120E 00	0.88482E 00	0.82170E 00	0.72074E 00	0.54771E 00
5.25	0.98224E 00	0.95718E 00	0.89451E 00	0.83324E 00	0.73340E 00	0.55939E 00
5.50	0.98506E 00	0.96242E 00	0.90338E 00	0.84400E 00	0.74542E 00	0.57066E 00
5.75	0.98743E 00	0.96702E 00	0.91149E 00	0.85405E 00	0.75683E 00	0.58153E 00
6.00	0.98943E 00	0.97108E 00	0.91897E 00	0.86352E 00	0.76785E 00	0.59230E 00
7.00	0.99469E 00	0.98283E 00	0.94285E 00	0.89517E 00	0.80615E 00	0.63076E 00
8.00	0.99732E 00	0.98981E 00	0.95970E 00	0.91945E 00	0.83794E 00	0.66499E 00
9.00	0.99865E 00	0.99395E 00	0.97157E 00	0.93806E 00	0.86433E 00	0.69547E 00
10.00	0.99931E 00	0.99641E 00	0.97995E 00	0.95236E 00	0.88632E 00	0.72276E 00
11.00	0.99964E 00	0.99787E 00	0.98586E 00	0.96335E 00	0.90469E 00	0.74732E 00
12.00	0.99981E 00	0.99873E 00	0.99003E 00	0.97180E 00	0.92006E 00	0.76948E 00

TABLE 3 (Continued)

P= 8

$\mu_o \sqrt{\frac{\mu}{\mu_o}}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.12300E 01	0.11804E 01	0.11130E 01	0.10278E 01	0.92389E 00	0.79910E 00
0.50	0.12178E 01	0.11655E 01	0.11003F 01	0.10216E 01	0.92714E 00	0.81256E 00
0.75	0.12001E 01	0.11445E 01	0.10830E 01	0.10139E 01	0.93285E 00	0.83266E 00
1.00	0.11792E 01	0.11210E 01	0.10645E 01	0.10065E 01	0.94053E 00	0.85629E 00
1.25	0.11573E 01	0.10977E 01	0.10472E 01	0.10006E 01	0.94915E 00	0.88044E 00
1.50	0.11359E 01	0.10765E 01	0.10324E 01	0.99626F 00	0.95775E 00	0.90296E 00
1.75	0.11158E 01	0.10581E 01	0.10206E 01	0.99350E 00	0.96564E 00	0.92268E 00
2.00	0.10976E 01	0.10428E 01	0.10116E 01	0.99197E 00	0.97248E 00	0.93923E 00
2.25	0.10814E 01	0.10304E 01	0.10051E 01	0.99133E 00	0.97818E 00	0.95270E 00
2.50	0.10672E 01	0.10206E 01	0.10005E 01	0.99132E 00	0.98280E 00	0.96344E 00
2.75	0.10549E 01	0.10130E 01	0.99740E 00	0.99168E 00	0.98647E 00	0.97186E 00
3.00	0.10443E 01	0.10072E 01	0.99546E 00	0.99227E 00	0.98935E 00	0.97841E 00
3.25	0.10352E 01	0.10029E 01	0.99435E 00	0.99296E 00	0.99159E 00	0.98345E 00
3.50	0.10275E 01	0.99971E 00	0.99381E 00	0.99368E 00	0.99333E 00	0.98732E 00
3.75	0.10210E 01	0.99744E 00	0.99360E 00	0.99438E 00	0.99468E 00	0.99027E 00
4.00	0.10156E 01	0.99587E 00	0.99377E 00	0.99504E 00	0.99572E 00	0.99252E 00
4.25	0.10111E 01	0.99483E 00	0.99405E 00	0.99565E 00	0.99654E 00	0.99424E 00
4.50	0.10073E 01	0.99419E 00	0.99441E 00	0.99619E 00	0.99717E 00	0.99555E 00
4.75	0.10043E 01	0.99385E 00	0.99483E 00	0.99667E 00	0.99767E 00	0.99655E 00
5.00	0.10018E 01	0.99373E 00	0.99525E 00	0.99709E 00	0.99807E 00	0.99731E 00
5.25	0.99974E 00	0.99378E 00	0.99567E 00	0.99745E 00	0.99838E 00	0.99789E 00
5.50	0.99813E 00	0.99393E 00	0.99608E 00	0.99778E 00	0.99864E 00	0.99834E 00
5.75	0.99686E 00	0.99415E 00	0.99645E 00	0.99805E 00	0.99884E 00	0.99868E 00
6.00	0.99588E 00	0.99443E 00	0.99680E 00	0.99829E 00	0.99901E 00	0.99894E 00
7.00	0.99394E 00	0.99568E 00	0.99790E 00	0.99896E 00	0.99944E 00	0.99953E 00
8.00	0.99382E 00	0.99680E 00	0.99861E 00	0.99935E 00	0.99966E 00	0.99976E 00
9.00	0.99443E 00	0.99767E 00	0.99906E 00	0.99957E 00	0.99978E 00	0.99986E 00
10.00	0.99526E 00	0.99829E 00	0.99935E 00	0.99971E 00	0.99985E 00	0.99991E 00
11.00	0.99608E 00	0.99874E 00	0.99954E 00	0.99980E 00	0.99990E 00	0.99994F 00
12.00	0.99680E 00	0.99906E 00	0.99966E 00	0.99985E 00	0.99993E 00	0.99996E 00

TABLE 3 (Continued)

P= 8

$\mu_o \left/ \frac{\mu}{\mu_o} \right.$	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.64794E 00	0.55811E 00	0.45270E-00	0.39058E-00	0.31755E-00	0.22332E-00
0.50	0.66957E 00	0.58191E 00	0.47646E-00	0.41307E-00	0.33751E-00	0.23861E-00
0.75	0.70107E 00	0.61638E 00	0.51070E 00	0.44543E-00	0.36617E-00	0.26049E-00
1.00	0.73747E 00	0.65612E 00	0.55019E 00	0.48275E-00	0.39923E-00	0.28574E-00
1.25	0.77447E 00	0.69671E 00	0.59075E 00	0.52121E 00	0.43341E-00	0.31191E-00
1.50	0.80926E 00	0.73529E 00	0.62980E 00	0.55847E 00	0.46673E-00	0.33758E-00
1.75	0.84037E 00	0.77042E 00	0.66606E 00	0.59340E 00	0.49825E-00	0.36207E-00
2.00	0.86733E 00	0.80160E 00	0.69906E 00	0.62559E 00	0.52764E 00	0.38515E-00
2.25	0.89023E 00	0.82888E 00	0.72881E 00	0.65503E 00	0.55488E 00	0.40681E-00
2.50	0.90944E 00	0.85254E 00	0.75552E 00	0.68188E 00	0.580 E 00	0.42714E-00
2.75	0.92541E 00	0.87297E 00	0.77946E 00	0.70639E 00	0.60351E 00	0.44628E-00
3.00	0.93863F 00	0.89059E 00	0.80094E 00	0.72879E 00	0.62526E 00	0.46435E-00
3.25	0.94954E 00	0.90575E 00	0.82023E 00	0.74929E 00	0.64554E 00	0.48145E-00
3.50	0.95853E 00	0.91881E 00	0.83757E 00	0.76810E 00	0.66448E 00	0.49769E-00
3.75	0.96592E 00	0.93004E 00	0.85318E 00	0.78539E 00	0.68222E 00	0.51315E 00
4.00	0.97200F 00	0.93972E 00	0.86724E 00	0.80129E 00	0.69887E 00	0.52790E 00
4.25	0.97699E 00	0.94806E 00	0.87993E 00	0.81596E 00	0.71452E 00	0.54201E 00
4.50	0.98110E 00	0.95524E 00	0.89138E 00	0.82948E 00	0.72924E 00	0.55552E 00
4.75	0.98447E 00	0.96142E 00	0.90172E 00	0.84198E 00	0.74313E 00	0.56848E 00
5.00	0.98723E 00	0.96675E 00	0.91107E 00	0.85352E 00	0.75622E 00	0.58092E 00
5.25	0.98951E 00	0.97135E 00	0.91952E 00	0.86420E 00	0.76858E 00	0.59290E 00
5.50	0.99139F 00	0.97535E 00	0.92729E 00	0.87432E 00	0.78068E 00	0.60513E 00
5.75	0.99291E 00	0.97872E 00	0.93407E 00	0.88323E 00	0.79134E 00	0.61554E 00
6.00	0.99417F 00	0.98166E 00	0.94032E 00	0.89170E 00	0.80179E 00	0.62622E 00
7.00	0.99732E 00	0.98988E 00	0.95993E 00	0.91981E 00	0.83842E 00	0.66552E 00
8.00	0.99876E 00	0.99442E 00	0.97310E 00	0.94058E 00	0.86807E 00	0.69997E 00
9.00	0.99942E 00	0.99692E 00	0.98194E 00	0.95596E 00	0.89217E 00	0.73038E 00
10.00	0.99972E 00	0.99830E 00	0.98787E 00	0.96735E 00	0.91181E 00	0.75737E 00
11.00	0.99986E 00	0.99906E 00	0.99186E 00	0.97580E 00	0.92784E 00	0.78141E 00
12.00	0.99993E 00	0.99948E 00	0.99454E 00	0.98206E 00	0.94094E 00	0.80291E 00

TABLE 3 (Continued)

P= 9

$\mu_0 / \frac{\mu}{\mu_0}$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.11826E 01	0.11531E 01	0.11067E 01	0.10407E 01	0.95220E 00	0.83722E 00
0.50	0.11732E 01	0.11402E 01	0.10944E 01	0.10335E 01	0.95374E 00	0.84927E 00
0.75	0.11595E 01	0.11221E 01	0.10777E 01	0.10243E 01	0.95690E 00	0.86707E 00
1.00	0.11434E 01	0.11019E 01	0.10600E 01	0.10153E 01	0.96150E 00	0.88768E 00
1.25	0.11263E 01	0.10820E 01	0.10436E 01	0.10078E 01	0.96691E 00	0.90834E 00
1.50	0.11095E 01	0.10639E 01	0.10298E 01	0.10022E 01	0.97241E 00	0.92719E 00
1.75	0.10937E 01	0.10483E 01	0.10189E 01	0.99830E 00	0.97752E 00	0.94331E 00
2.00	0.10791E 01	0.10354E 01	0.10107E 01	0.99590E 00	0.98196E 00	0.95649E 00
2.25	0.10661E 01	0.10250E 01	0.10048E 01	0.99459E 00	0.98565E 00	0.96695E 00
2.50	0.10547E 01	0.10168E 01	0.10007E 01	0.99403E 00	0.98864E 00	0.97506E 00
2.75	0.10446E 01	0.10105E 01	0.99799E 00	0.99398E 00	0.99101E 00	0.98125E 00
3.00	0.10360E 01	0.10057E 01	0.99633E 00	0.99423E 00	0.99287E 00	0.98593E 00
3.25	0.10286E 01	0.10022E 01	0.99539E 00	0.99464E 00	0.99432E 00	0.98945E 00
3.50	0.10223E 01	0.99957E 00	0.99495E 00	0.99513E 00	0.99545E 00	0.99207E 00
3.75	0.10170E 01	0.99773E 00	0.99485E 00	0.99564E 00	0.99632E 00	0.99402E 00
4.00	0.10125E 01	0.99648E 00	0.99496E 00	0.99614E 00	0.99701E 00	0.99548E 00
4.25	0.10088E 01	0.99566E 00	0.99520E 00	0.99660E 00	0.99754E 00	0.99656E 00
4.50	0.10057E 01	0.99518E 00	0.99551E 00	0.99702E 00	0.99797E 00	0.99737E 00
4.75	0.10032E 01	0.99493E 00	0.99585E 00	0.99739E 00	0.99831E 00	0.99797E 00
5.00	0.10012E 01	0.99487E 00	0.99621E 00	0.99772E 00	0.99858E 00	0.99842E 00
5.25	0.99957E 00	0.99493E 00	0.99656E 00	0.99800E 00	0.99880E 00	0.99876E 00
5.50	0.99828E 00	0.99507E 00	0.99688E 00	0.99826E 00	0.99898E 00	0.99902E 00
5.75	0.99726E 00	0.99527E 00	0.99719E 00	0.99847E 00	0.99913E 00	0.99922E 00
6.00	0.99648E 00	0.99551E 00	0.99747E 00	0.99866E 00	0.99925E 00	0.99937E 00
7.00	0.99499E 00	0.99656E 00	0.99835E 00	0.99919E 00	0.99957E 00	0.99970E 00
8.00	0.99497E 00	0.99747E 00	0.99891E 00	0.99949E 00	0.99973E 00	0.99984E 00
9.00	0.99551E 00	0.99816E 00	0.99926E 00	0.99966E 00	0.99983E 00	0.99990E 00
10.00	0.99621E 00	0.99866E 00	0.99949E 00	0.99977E 00	0.99988E 00	0.99994E 00
11.00	0.99688E 00	0.99901E 00	0.99964E 00	0.99984E 00	0.99992E 00	0.99996E 00
12.00	0.99747E 00	0.99926E 00	0.99974E 00	0.99988E 00	0.99994E 00	0.99997E 00

TABLE 3 (Continued)

p= 9

$\frac{\mu}{\mu_0}$	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.68873E 00	0.59704E 00	0.48708E-00	0.42136E-00	0.34346E-00	0.24217E-00
0.50	0.70997E 00	0.62103E 00	0.51152E 00	0.44470E-00	0.36433E-00	0.25825E-00
0.75	0.74058E 00	0.65547E 00	0.54650E 00	0.47806E-00	0.39412E-00	0.28117E-00
1.00	0.77544E 00	0.69471E 00	0.58646E 00	0.51623E 00	0.42825E-00	0.30746F-00
1.25	0.81029E 00	0.73426E 00	0.62711E 00	0.55524E 00	0.46331E-00	0.31457E-00
1.50	0.84247E 00	0.77132E 00	0.66587E 00	0.59277E 00	0.49731E-00	0.36108F-00
1.75	0.87072E 00	0.80460E 00	0.70153E 00	0.62771E 00	0.52934E 00	0.38630E-00
2.00	0.89471E 00	0.83372E 00	0.73372E 00	0.65973E 00	0.55909E 00	0.41005F-00
2.25	0.91469E 00	0.85883E 00	0.76250E 00	0.68885E 00	0.58660E 00	0.43233E-00
2.50	0.93111E 00	0.88030E 00	0.78813E 00	0.71529E 00	0.61203E 00	0.45324E-00
2.75	0.94448E 00	0.89858E 00	0.81092E 00	0.73929E 00	0.63555E 00	0.47292E-00
3.00	0.95532E 00	0.91410E 00	0.83119E 00	0.76111E 00	0.65735E 00	0.49150E-00
3.25	0.96407E 00	0.92725E 00	0.84924E 00	0.78097E 00	0.67762E 00	0.50907E 00
3.50	0.97113E 00	0.93840E 00	0.86531E 00	0.79907E 00	0.69650E 00	0.52575E 00
3.75	0.97680E 00	0.94784E 00	0.87963E 00	0.81561E 00	0.71412E 00	0.54161E 00
4.00	0.98137E 00	0.95584E 00	0.89241E 00	0.83072E 00	0.73058E 00	0.55673E 00
4.25	0.98503E 00	0.96261E 00	0.90382E 00	0.84455E 00	0.74600E 00	0.57117E 00
4.50	0.98798E 00	0.96835E 00	0.91402E 00	0.85723E 00	0.76048E 00	0.58501E 00
4.75	0.99034E 00	0.97321E 00	0.92312E 00	0.86883E 00	0.77402E 00	0.59820E 00
5.00	0.99224E 00	0.97732E 00	0.93125E 00	0.87948E 00	0.78675E 00	0.61088E 00
5.25	0.99376E 00	0.98080E 00	0.93852E 00	0.88925E 00	0.79873E 00	0.62306E 00
5.50	0.99498E 00	0.98375E 00	0.94503E 00	0.89821E 00	0.81000E 00	0.63475E 00
5.75	0.99596E 00	0.98625E 00	0.95084E 00	0.90645E 00	0.82060E 00	0.64600E 00
6.00	0.99675E 00	0.98836E 00	0.95604E 00	0.91401E 00	0.83059E 00	0.65683E 00
7.00	0.99863E 00	0.99402E 00	0.97189E 00	0.93860E 00	0.86512E 00	0.69639E 00
8.00	0.99941E 00	0.99693E 00	0.98203E 00	0.95614E 00	0.89247E 00	0.73076E 00
9.00	0.99974E 00	0.99842E 00	0.98852E 00	0.96867E 00	0.91421E 00	0.76063E 00
10.00	0.99988E 00	0.99919E 00	0.99266E 00	0.97762F 00	0.93152E 00	0.78726E 00
11.00	0.99994E 00	0.99958E 00	0.99531E 00	0.98402E 00	0.94532E 00	0.81058E 00
12.00	0.99997E 00	0.99977E 00	0.99701E 00	0.98858E 00	0.95634E 00	0.83121E 00

TABLE 3 (Continued)

P= 10

$\frac{\mu}{\mu_0} \setminus \mu_0$	0.2	0.3	0.4	0.5	0.6	0.7
0.25	0.11470E 01	0.11295E 01	0.10978E 01	0.10475E 01	0.97320E 00	0.86873E 00
0.50	0.11398E 01	0.11185E 01	0.10863E 01	0.10397E 01	0.97324E 00	0.87929E 00
0.75	0.11292E 01	0.11031E 01	0.10707E 01	0.10296E 01	0.97419E 00	0.89475E 00
1.00	0.11166E 01	0.10859E 01	0.10543E 01	0.10197E 01	0.97624E 00	0.91240E 00
1.25	0.11031E 01	0.10690E 01	0.10392E 01	0.10114E 01	0.97907E 00	0.92979E 00
1.50	0.10897E 01	0.10537E 01	0.10266E 01	0.10051E 01	0.98220E 00	0.94533E 00
1.75	0.10770E 01	0.10405E 01	0.10167E 01	0.10007E 01	0.98524E 00	0.95832E 00
2.00	0.10653E 01	0.10296E 01	0.10094E 01	0.99797E 00	0.98797E 00	0.96870E 00
2.25	0.10547E 01	0.10208E 01	0.10042E 01	0.99638E 00	0.99028E 00	0.97673E 00
2.50	0.10452E 01	0.10139E 01	0.10006E 01	0.99560E 00	0.99219E 00	0.98280E 00
2.75	0.10370E 01	0.10086E 01	0.99833E 00	0.99536E 00	0.99372E 00	0.98732E 00
3.00	0.10298E 01	0.10046E 01	0.99692E 00	0.99545E 00	0.99494E 00	0.99066E 00
3.25	0.10236E 01	0.10016E 01	0.99615E 00	0.99573E 00	0.99591E 00	0.99310E 00
3.50	0.10184E 01	0.99950E 00	0.99579E 00	0.99609E 00	0.99667E 00	0.99489E 00
3.75	0.10140E 01	0.99800E 00	0.99572E 00	0.99649E 00	0.99727E 00	0.99619E 00
4.00	0.10102E 01	0.99698E 00	0.99583E 00	0.99688E 00	0.99775E 00	0.99713E 00
4.25	0.10072E 01	0.99632E 00	0.99604E 00	0.99725E 00	0.99813E 00	0.99783E 00
4.50	0.10046E 01	0.99595E 00	0.99631E 00	0.99759E 00	0.99844E 00	0.99834E 00
4.75	0.10025E 01	0.99577E 00	0.99661E 00	0.99789E 00	0.99869E 00	0.99871E 00
5.00	0.10009E 01	0.99573E 00	0.99691E 00	0.99816E 00	0.99889E 00	0.99899E 00
5.25	0.99951E 00	0.99580E 00	0.99720E 00	0.99839E 00	0.99906E 00	0.99920E 00
5.50	0.99844E 00	0.99593E 00	0.99747E 00	0.99859E 00	0.99919E 00	0.99936E 00
5.75	0.99761E 00	0.99611E 00	0.99772E 00	0.99877E 00	0.99931E 00	0.99948E 00
6.00	0.99698E 00	0.99632E 00	0.99795E 00	0.99892E 00	0.99940E 00	0.99957E 00
7.00	0.99581E 00	0.99720E 00	0.99867E 00	0.99935E 00	0.99965E 00	0.99978E 00
8.00	0.99583E 00	0.99795E 00	0.99912E 00	0.99959E 00	0.99979E 00	0.99988E 00
9.00	0.99632E 00	0.99852E 00	0.99941E 00	0.99973E 00	0.99986E 00	0.99992E 00
10.00	0.99691E 00	0.99892E 00	0.99959E 00	0.99982E 00	0.99991E 00	0.99995E 00
11.00	0.99747E 00	0.99920E 00	0.99971E 00	0.99987E 00	0.99994E 00	0.99996E 00
12.00	0.99795E 00	0.99941E 00	0.99979E 00	0.99991E 00	0.99995E 00	0.99997E 00

TABLE 3 (Continued)

P= 10

$\frac{\mu}{\mu_0}$	0.8	0.85	0.9	0.925	0.950	0.975
0.25	0.72468E 00	0.63215E 00	0.51869E 00	0.44991E-00	0.36767E-00	0.25990E-00
0.50	0.74530E 00	0.65611E 00	0.54362E 00	0.47391E-00	0.38930E-00	0.27668E-00
0.75	0.77470E 00	0.69019E 00	0.57904E 00	0.50803E 00	0.42003E-00	0.30049E-00
1.00	0.80774E 00	0.72859E 00	0.61917E 00	0.54678E 00	0.45502E-00	0.32768E-00
1.25	0.84025E 00	0.76679E 00	0.65961E 00	0.58610E 00	0.49077E-00	0.35562E-00
1.50	0.86974E 00	0.80212E 00	0.69784E 00	0.62367E 00	0.52528E 00	0.38285E-00
1.75	0.89514E 00	0.83341E 00	0.73271E 00	0.65845E 00	0.55766E 00	0.40873E-00
2.00	0.91631E 00	0.86040E 00	0.76393E 00	0.69013E 00	0.58767E 00	0.43307E-00
2.25	0.93358E 00	0.88335E 00	0.79161E 00	0.71881E 00	0.61533E 00	0.45590E-00
2.50	0.94749E 00	0.90269E 00	0.81606E 00	0.74470E 00	0.64083E 00	0.47733E-00
2.75	0.95859E 00	0.91891E 00	0.83762E 00	0.76808E 00	0.66436E 00	0.49748E-00
3.00	0.96739E 00	0.93246E 00	0.85663E 00	0.78921E 00	0.68612E 00	0.51649E 00
3.25	0.97435E 00	0.94378E 00	0.87338E 00	0.80832E 00	0.70627E 00	0.53447E 00
3.50	0.97984E 00	0.95321E 00	0.88816E 00	0.82564E 00	0.72498E 00	0.55152E 00
3.75	0.98416E 00	0.96107E 00	0.90120E 00	0.84134E 00	0.74237E 00	0.56771E 00
4.00	0.98755E 00	0.96761E 00	0.91272E 00	0.85559E 00	0.75856E 00	0.58313E 00
4.25	0.99022E 00	0.97306E 00	0.92289E 00	0.86854E 00	0.77366E 00	0.59783E 00
4.50	0.99231E 00	0.97760E 00	0.93187E 00	0.88030E 00	0.78775E 00	0.61187E 00
4.75	0.99396E 00	0.98137E 00	0.93980E 00	0.89100E 00	0.80090E 00	0.62526E 00
5.00	0.99525E 00	0.98451E 00	0.94682E 00	0.90073E 00	0.81320E 00	0.63810E 00
5.25	0.99626E 00	0.98712E 00	0.95301E 00	0.90959E 00	0.82471E 00	0.65041E 00
5.50	0.99705E 00	0.98929E 00	0.95849E 00	0.91765E 00	0.83548E 00	0.66221E 00
5.75	0.99768E 00	0.99110E 00	0.96333E 00	0.92499E 00	0.84557E 00	0.67355E 00
6.00	0.99817E 00	0.99260E 00	0.96760E 00	0.93167E 00	0.85502E 00	0.68443E 00
7.00	0.99928E 00	0.99646E 00	0.98027E 00	0.95296E 00	0.88728E 00	0.72397E 00
8.00	0.99970E 00	0.99831E 00	0.98800E 00	0.96761E 00	0.91227E 00	0.75802E 00
9.00	0.99987E 00	0.99919E 00	0.99270E 00	0.97770E 00	0.93169E 00	0.78753E 00
10.00	0.99994E 00	0.99961E 00	0.99556E 00	0.98465E 00	0.94679E 00	0.81321E 00
11.00	0.99997E 00	0.99981E 00	0.99730E 00	0.98944E 00	0.95855E 00	0.83564E 00
12.00	0.99998E 00	0.99991E 00	0.99836E 00	0.99273E 00	0.96771E 00	0.85528E 00

REFERENCES

1. Goldstein, S., "On the Vortex Theory of Screw Propellers," Proceedings of the Royal Society of London, Vol. 123A, pp. 440-465 (1929).
2. Wrench, J.W., Jr., "Calculation of Goldstein Factors," David Taylor Model Basin Report 1111 (Sep 1955).
3. Tachmindji, A.J. and Milam, A.B., "The Calculation of Goldstein Factors for Three, Four, Five and Six Bladed Propellers," David Taylor Model Basin Report 1034 (Mar 1956).
4. Watson, G.N., "A Treatise on the Theory of Bessel Functions," Second Edition, Cambridge University Press, Cambridge (1952).
5. Wrench, J.W., Jr., "The Calculation of Propeller Induction Factors," David Taylor Model Basin Report 1116 (Feb 1957).
6. Jones, C.W., "A Short Table for the Bessel Functions $I_{n+1/2}(x)$, $\frac{2}{\pi} K_{n+1/2}(x)$," Cambridge University Press, New York (1952).
7. Knopp, K., "Theory and Application of Infinite Series," Blackie & Son, Limited, London (1928).
8. Lehmer, D.H., "Note on the Computation of the Bessel Function $I_n(x)$," Mathematical Tables and other Aids to Computation, Vol. 1, pp. 133-135 (1944).
9. Householder, A.S., "Principles of Numerical Analysis," McGraw-Hill Book Company, New York (1953), pp. 117-118.
10. Mathematical Tables Project, Work Projects Administration, "Tables of Lagrangian Interpolation Coefficients," Columbia University Press, New York, (1944).

INITIAL DISTRIBUTION

Copies

- 6 CHBUSHIPS
 - 3 Pub & Info Retrieval Br (Code 240)
 - 1 Asst Chief for Field Activ (Code 700)
 - 1 Computer Systems and Appl Br (Code 732)
 - 1 Propeller, Shaft and Bearing Br (Code 644)
- 1 CHBUWEPS
- 1 CHONR
- 1 NAVSHIPYD CHASN
- 1 NAVSHIPYD LBEACH
- 1 NAVSHIPYD MARE
- 1 NAVSHIPYD NYK
- 1 NAVSHIPYD NORVA
- 1 NAVSHIPYD SFRAN
- 1 NAVSHIPYD PHILA
- 1 NAVSHIPYD PTSMH
- 1 NAVSHIPYD PUG
- 1 NAVSHIPYD PEARL
- 1 NAVSHIPYD BSN
- 1 CO & DIR, USNEL
- 1 CO & DIR, USNRDL
- 1 CO & DIR, USNAVTRADEVCEEN
 - Computer Br, Port Washington, L.I.
- 2 USNAVWPNLAB
 - 1 Dr. A.V. Hershey
- 2 CDR, USNOTS, China Lake
 - 1 Tech Library
- 1 CDR, USNOTS, Pasadena Annex
- 1 CDR, USNOL, White Oak, Md.
- 1 CO & DIR, USNMEL
- 1 DIR, USNRL
- 1 SUPT, USNAVPGSCOL
 - Attn: Library, Tech Rept Sec
- 1 SUPT, USNA

Copies

- 1 CG, Aberdeen PG
- 2 DIR, NatlBuStand
 - 1 Appl Math Div
- 1 DIR, Langley Res Ctr NASA
- 1 DIR, Lewis Res Ctr NASA
- 1 USAEC, Tech Info Serv, Oak Ridge, Tenn
- 2 USAEC, Germantown
 - 1 Tech Library
- 1 Harry Diamond Lab, Attn: Library
- 1 DIR, APL, JHUniv
- 1 Univ of Calif, Numerical Analysis,
 - Engin Lib, Los Angeles
- 1 Dept of Math, CIT, Pasadena
- 1 Math Res Ctr, Univ Wisconsin
- 3 Harvard Univ, Cambridge
 - 1 Computation Lab
 - 1 Dept of Math, Attn: Prof. J.L. Walsh
- 2 MIT, Cambridge
 - 1 Digital Computer Lab
 - 1 Center of Analysis
- 2 New York Univ, New York
 - 1 Inst of Math Sciences
 - 1 AEC Computing Facility
- 1 Univ of Illinois, Dept of Math,
 - Electronic Digital Computer Projects, Urbana
- 2 Univ of Maryland, College Park
 - 1 Computation Lab
 - 1 Inst for Fluid Dynam & Appl Math
- 1 Yale Univ, New Haven
- 2 Midwest Res Inst, Kansas City
 - Attn: Mr. Yudell L. Luke
- 1 Brown Univ, Div of Engin, Providence
- 1 Scripps Inst of Oceanography,
 - Univ of California
- 1 IBM Corp, New York
- 1 Los Alamos Scientific Lab, Los Alamos, N.M.

David Taylor Model Basin. Report 1534.

TABLES OF THE GOLDSTEIN FACTOR, by C.L. Tibery and J.W. Wrench, Jr. Dec 1964. ii, 69p. tables, refs.

UNCLASSIFIED

The tables of the Goldstein factor presented in this report have been computed on the IBM 7090 system at the Applied Mathematics Laboratory. They were computed for the purpose of supplying more extensive and reliable information than that available in similar tables of Goldstein, Lock and Yeatman, Kramer, Tachmindji and Milam, and the second of the present authors. These tables are applicable to the calculation of the distribution of the circulation along lightly loaded, optimum propellers for which the number of blades ranges from two to ten, inclusive. The Goldstein factor determines the effect of a finite number of propeller blades on the circulation, and simultaneously relates the maximum value of the tangential velocity component induced at a lifting line with its circumferential average.

- 1 Propellers--Hydrodynamic characteristics--Mathematical analysis
2. Fluid flow--Velocity--Mathematical analysis
3. Numerical analysis--Applications
- I. Tibery, Carl L.
- II. Wrench, John W., Jr.
- III. S-R003 03 01

David Taylor Model Basin. Report 1534.

TABLES OF THE GOLDSTEIN FACTOR, by C.L. Tibery and J.W. Wrench, Jr. Dec 1964. ii, 69p. tables, refs.

UNCLASSIFIED

The tables of the Goldstein factor presented in this report have been computed on the IBM 7090 system at the Applied Mathematics Laboratory. They were computed for the purpose of supplying more extensive and reliable information than that available in similar tables of Goldstein, Lock and Yeatman, Kramer, Tachmindji and Milam, and the second of the present authors. These tables are applicable to the calculation of the distribution of the circulation along lightly loaded, optimum propellers for which the number of blades ranges from two to ten, inclusive. The Goldstein factor determines the effect of a finite number of propeller blades on the circulation, and simultaneously relates the maximum value of the tangential velocity component induced at a lifting line with its circumferential average.

1. Propellers--Hydrodynamic characteristics--Mathematical analysis
2. Fluid flow- Velocity--Mathematical analysis
3. Numerical analysis--Applications
- I. Tibery, Carl L.
- II. Wrench, John W., Jr.
- III. S-R003 03 01

David Taylor Model Basin. Report 1534.

TABLES OF THE GOLDSTEIN FACTOR, by C.L. Tibery and J.W. Wrench, Jr. Dec 1964. ii, 69p. tables, refs.

UNCLASSIFIED

The tables of the Goldstein factor presented in this report have been computed on the IBM 7090 system at the Applied Mathematics Laboratory. They were computed for the purpose of supplying more extensive and reliable information than that available in similar tables of Goldstein, Lock and Yeatman, Kramer, Tachmindji and Milam, and the second of the present authors. These tables are applicable to the calculation of the distribution of the circulation along lightly loaded, optimum propellers for which the number of blades ranges from two to ten, inclusive. The Goldstein factor determines the effect of a finite number of propeller blades on the circulation, and simultaneously relates the maximum value of the tangential velocity component induced at a lifting line with its circumferential average.

1. Propellers--Hydrodynamic characteristics--Mathematical analysis
2. Fluid flow--Velocity--Mathematical analysis
3. Numerical analysis--Applications
- I. Tibery, Carl L.
- II. Wrench, John W., Jr.
- III. S-R003 03 01

David Taylor Model Basin. Report 1534.

TABLES OF THE GOLDSTEIN FACTOR, by C.L. Tibery and J.W. Wrench, Jr. Dec 1964. ii, 69p. tables, refs.

UNCLASSIFIED

The tables of the Goldstein factor presented in this report have been computed on the IBM 7090 system at the Applied Mathematics Laboratory. They were computed for the purpose of supplying more extensive and reliable information than that available in similar tables of Goldstein, Lock and Yeatman, Kramer, Tachmindji and Milam, and the second of the present authors. These tables are applicable to the calculation of the distribution of the circulation along lightly loaded, optimum propellers for which the number of blades ranges from two to ten, inclusive. The Goldstein factor determines the effect of a finite number of propeller blades on the circulation, and simultaneously relates the maximum value of the tangential velocity component induced at a lifting line with its circumferential average.

1. Propellers--Hydrodynamic characteristics--Mathematical analysis
2. Fluid flow--Velocity--Mathematical analysis
3. Numerical analysis--Applications
- I. Tibery, Carl L.
- II. Wrench, John W., Jr.
- III. S-R003 03 01

The emphasis on an increased number of blades, as reflected in these more extensive tables, arises from the need to alleviate the loading or cavitation problems associated with the increased power of modern ships.

The emphasis on an increased number of blades, as reflected in these more extensive tables, arises from the need to alleviate the loading or cavitation problems associated with the increased power of modern ships.

The emphasis on an increased number of blades, as reflected in these more extensive tables, arises from the need to alleviate the loading or cavitation problems associated with the increased power of modern ships.

The emphasis on an increased number of blades, as reflected in these more extensive tables, arises from the need to alleviate the loading or cavitation problems associated with the increased power of modern ships.