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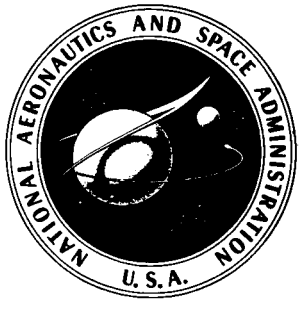

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

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MAGNETIC FIELDS DUE TO SOLID AND HOLLOW CONICAL CONDUCTORS

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SUMMARY

The axial and radial components of the magnetic field produced by a solid, finite-length conical conductor with a constant azimuthal current density were derived, and numerical results were computed for several values of the half cone angle. The triple integrals giving the field values were integrated twice analytically; the third integration was done numerically on electronic computers using Gaussian integration. Axial and radial magnetic fields due to hollow conical coils or hollow frustum coils of finite thickness can be obtained from these solid cone fields by superposition.

INTRODUCTION

The technology of high-field electromagnets is expanding rapidly in response to various potential space applications, some of which require source geometries other than the usual cylindrical coils.

Most previous field calculations, such as those of references 1 to 3, have been concerned with cylindrical coils. The fields due to a conical current sheet were derived in references 4 and 5. In this report general expressions for the magnetic field components both on and off the axis are derived for a solid conical conductor with a constant, azimuthal current density. The triple integrals giving the field values were integrated twice analytically; the third integration was done numerically on electronic computers using Gaussian integration. Numerical results for five half cone angles are given in the form of sample graphs and tables. These results can be used to approximate the fields of hollow conical coils or hollow frustum coils by superposition, as suggested in reference 6.

SOLID CONICAL CONDUCTOR SOLUTION

The magnetic vector potential for an arbitrary current distribution $\vec{J}$ can be expressed as

$$\vec{A} = \frac{\mu}{4\pi} \oint_V \frac{\vec{J}\, dV}{R}$$

where the integration is performed over the entire source volume V and R is the distance between the source point and the field point. For a solid, finite-length conical conductor with a constant current density J in the azimuthal direction, the vector potential has only the azimuthal component

$$A_\theta = \frac{\mu J}{4\pi} \int_0^{2\pi} \int_0^{L} \int_0^{(L - \ell)\tan \alpha} \frac{m \cos \varphi \, dm \, d\ell \, d\varphi}{\sqrt{m^2 - 2mr \cos \varphi + r^2 + (z - \ell)^2}}$$

(Symbols are defined in appendix A, and the coordinates are shown in fig. 1.)

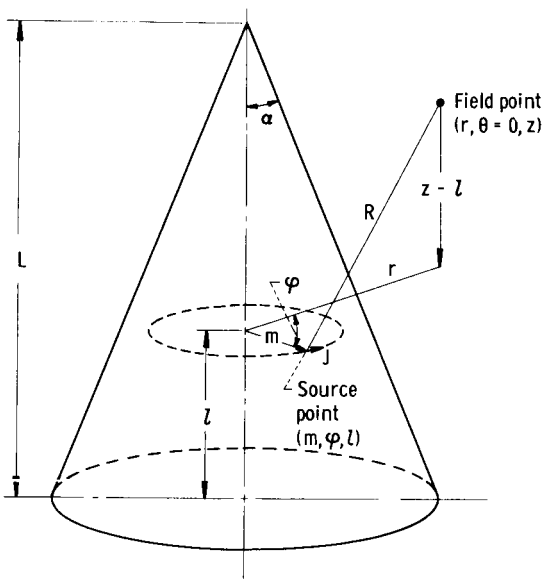


Figure 1. - Solid conical conductor with constant, azimuthal current density.

From $\vec{B} = \vec{\nabla} \times \vec{A}$, it follows that $B_r = -\frac{\partial A_\theta}{\partial z}$, $B_z = \frac{1}{r}\left(\frac{\partial r A_\theta}{\partial r}\right)$, and $B_\theta = 0$. The resulting expressions for B_r and B_z are

$$\frac{B_r}{\mu JL} = \frac{1}{2\pi}\int_0^{\pi} \rho \tan\alpha \sin^2\varphi \left\{ \frac{\left[\eta^2\cot^2\alpha + \rho^2\left(1 - 2\cos^2\varphi\right)\right]x + \left(\rho^2 + \eta^2\cot^2\alpha\right)\rho\cos\varphi}{\left(\eta^2\cot^2\alpha + \rho^2\sin^2\varphi\right)\sqrt{x^2 - 2x\rho\cos\varphi + \rho^2 + \eta^2\cot^2\alpha}} - \ln\left(\sqrt{x^2 - 2x\rho\cos\varphi + \rho^2 + \eta^2\cot^2\alpha} + x - \rho\cos\varphi\right) \right.$$

$$+ \frac{\left\{2\left(\cot^2\alpha - \eta\cot^2\alpha + \rho\cos\varphi\right)^2 - \csc^2\alpha\left[\rho^2 + (\cot\alpha - \eta\cot\alpha)^2\right]\right\}x - \left(\cot^2\alpha - \eta\cot^2\alpha + \rho\cos\varphi\right)\left[\rho^2 + (\cot\alpha - \eta\cot\alpha)^2\right]}{\csc^2\alpha\left\{\csc^2\alpha\left[\rho^2 + (\cot\alpha - \eta\cot\alpha)^2\right] - \left(\cot^2\alpha - \eta\cot^2\alpha + \rho\cos\varphi\right)^2\right\}\sqrt{x^2\csc^2\alpha - 2x\left(\cot^2\alpha - \eta\cot^2\alpha + \rho\cos\varphi\right) + \rho^2 + (\cot\alpha - \eta\cot\alpha)^2}}$$

$$\left. + \frac{1}{\csc^3\alpha}\ln\left[\sqrt{x^2\csc^2\alpha - 2x\left(\cot^2\alpha - \eta\cot^2\alpha + \rho\cos\varphi\right) + \rho^2 + (\cot\alpha - \eta\cot\alpha)^2} + x\csc\alpha - \frac{\left(\cot^2\alpha - \eta\cot^2\alpha + \rho\cos\varphi\right)}{\csc\alpha}\right]\right\} d\varphi \Bigg|_{x=0}^{x=1} \qquad (1)$$

$$\frac{B_z}{\mu JL} = \frac{1}{2\pi}\int_0^{\pi}\left(\eta\ln\left(x - \rho\cos\varphi + \sqrt{x^2 - 2x\rho\cos\varphi + \rho^2 + \eta^2\cot^2\alpha}\right) - \frac{\rho\eta\sin\varphi}{|\eta|\cot\alpha}\tan^{-1}\left[\frac{(x - \rho\cos\varphi)|\eta|\cot\alpha}{\rho\sin\varphi\sqrt{x^2 - 2x\rho\cos\varphi + \rho^2 + \eta^2\cot^2\alpha}}\right]\right.$$

$$+ \frac{\eta\rho\cos\varphi}{2|\eta|\cot\alpha}\ln\left(\frac{\sqrt{x^2 - 2x\rho\cos\varphi + \rho^2 + \eta^2\cot^2\alpha} - |\eta|\cot\alpha}{\sqrt{x^2 - 2x\rho\cos\varphi + \rho^2 + \eta^2\cot^2\alpha} + |\eta|\cot\alpha}\right) - \frac{1}{c}\sqrt{c(x - \rho\cos\varphi)^2 + 2b(x - \rho\cos\varphi) + a}$$

$$+ \frac{b - (\eta - 1 + 2\rho\cos\varphi)c}{c\sqrt{c}}\ln\left[\sqrt{c(x - \rho\cos\varphi)^2 + 2b(x - \rho\cos\varphi) + a} + \sqrt{c}(x - \rho\cos\varphi) + \frac{b}{\sqrt{c}}\right]$$

$$+ \left\{\frac{\beta_1}{k^2}\rho\sin\varphi(\eta - 1 + 2\rho\cos\varphi) - \frac{\beta_2}{k^2}\left[\rho\cos\varphi(\eta - 1) + \rho^2\left(1 - 2\sin^2\varphi\right)\right]\right\}\left\{\tan^{-1}\left(\frac{\rho\sin\varphi}{x - \rho\cos\varphi}\right)\right.$$

$$\left. + \tan^{-1}\left[\frac{\gamma_2(x - \rho\cos\varphi) + \delta_2}{\gamma_1(x - \rho\cos\varphi) + \delta_1 - \sqrt{c(x - \rho\cos\varphi)^2 + 2b(x - \rho\cos\varphi) + a}}\right]\right\}$$

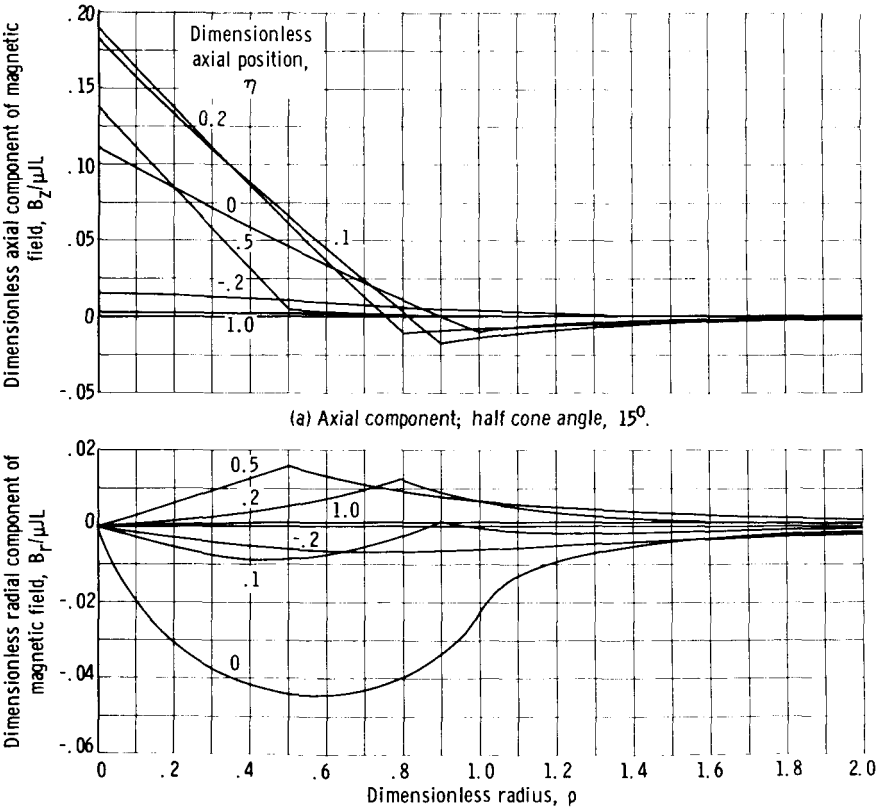
$$- \left\{\frac{\beta_1}{2k^2}\left[\rho\cos\varphi(\eta - 1) + \rho^2\left(1 - 2\sin^2\varphi\right)\right] + \frac{\beta_2}{2k^2}\rho\sin\varphi(\eta - 1 + 2\rho\cos\varphi)\right\}$$

$$\left. \times \ln\left\{\frac{\left[\gamma_1(x - \rho\cos\varphi) + \delta_1 - \sqrt{c(x - \rho\cos\varphi)^2 + 2b(x - \rho\cos\varphi) + a}\right]^2 + \left[\gamma_2(x - \rho\cos\varphi) + \delta_2\right]^2}{(x - \rho\cos\varphi)^2 + \rho^2\sin^2\varphi}\right\}\right) d\varphi \Bigg|_{x=0}^{x=1} \qquad (2)$$

The details of the derivation of these equations are given in appendix B.

The results of the machine calculation of equations (1) and (2) for the axial and radial components of the magnetic field of solid conical conductors are given in tables I to IV. Computer programs for the extension of the tables and for the compilation of new tables are listed in appendix D. The quantities tabulated are $b'_j = \frac{10B_j}{\mu JL}$ where $j = r$ or z. The factor 10 is introduced purely for convenience of tabulation. These quantities are presented as functions of the dimensionless radius ρ and axial position η for five different half cone angles: 15°, 22.5°, 30°, 45°, and 60°. The parameters ρ and η range from 0.0 to 2.0 and from -1.0 to 2.0, respectively, in increments of 0.05 for tables I and III, and from 0.0 to 1.0 and -0.20 to 1.0, respectively, in increments of 0.02 for tables II and IV. The finer increments of the parameters are presented in tables II and IV so that linear interpolation can be used more accurately.

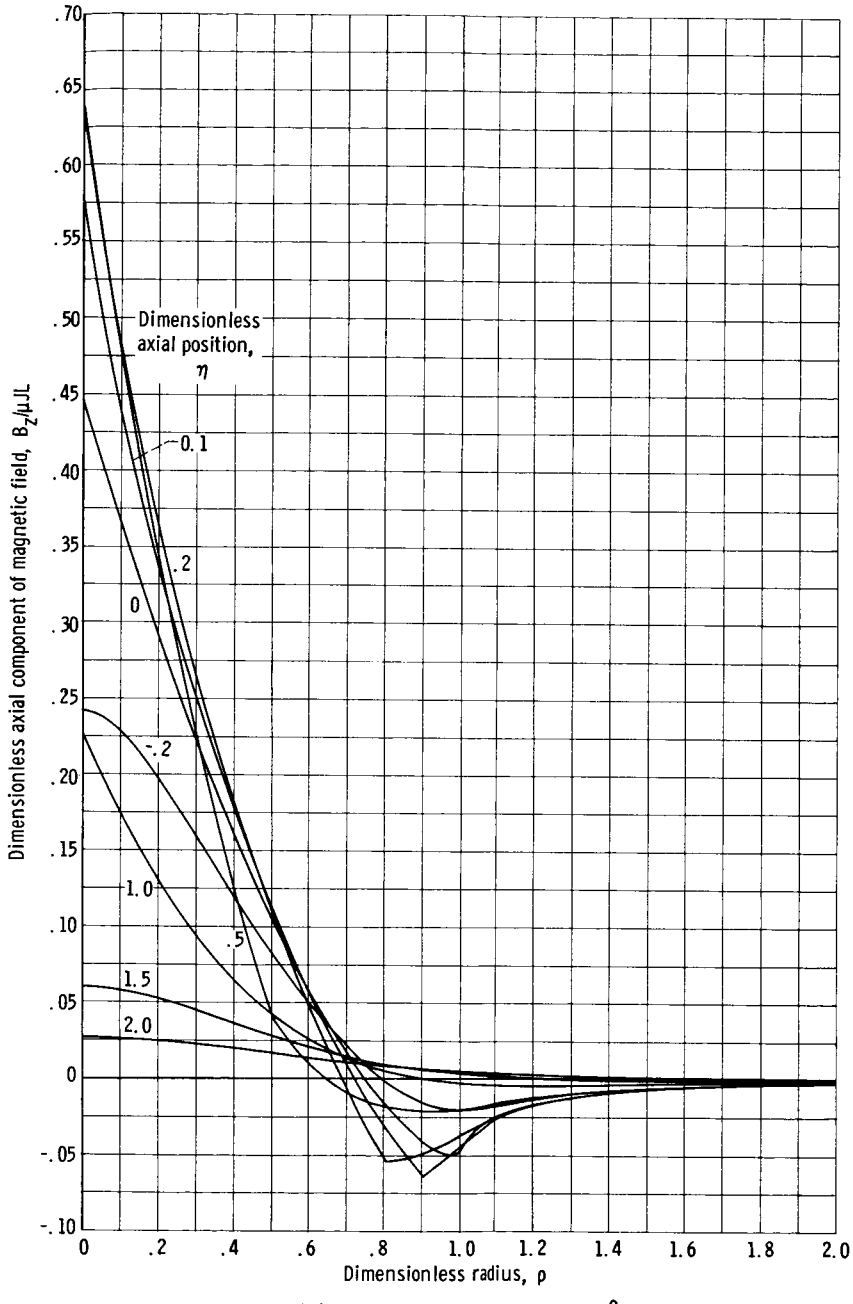
Sample graphs of the results are plotted in figure 2. Figures 2(a) and (b) show the axial and radial components as functions of ρ for various values of η with $\alpha = 15^\circ$. Figures 2(c) and (d) are similar plots for $\alpha = 60^\circ$.



(a) Axial component; half cone angle, 15°.

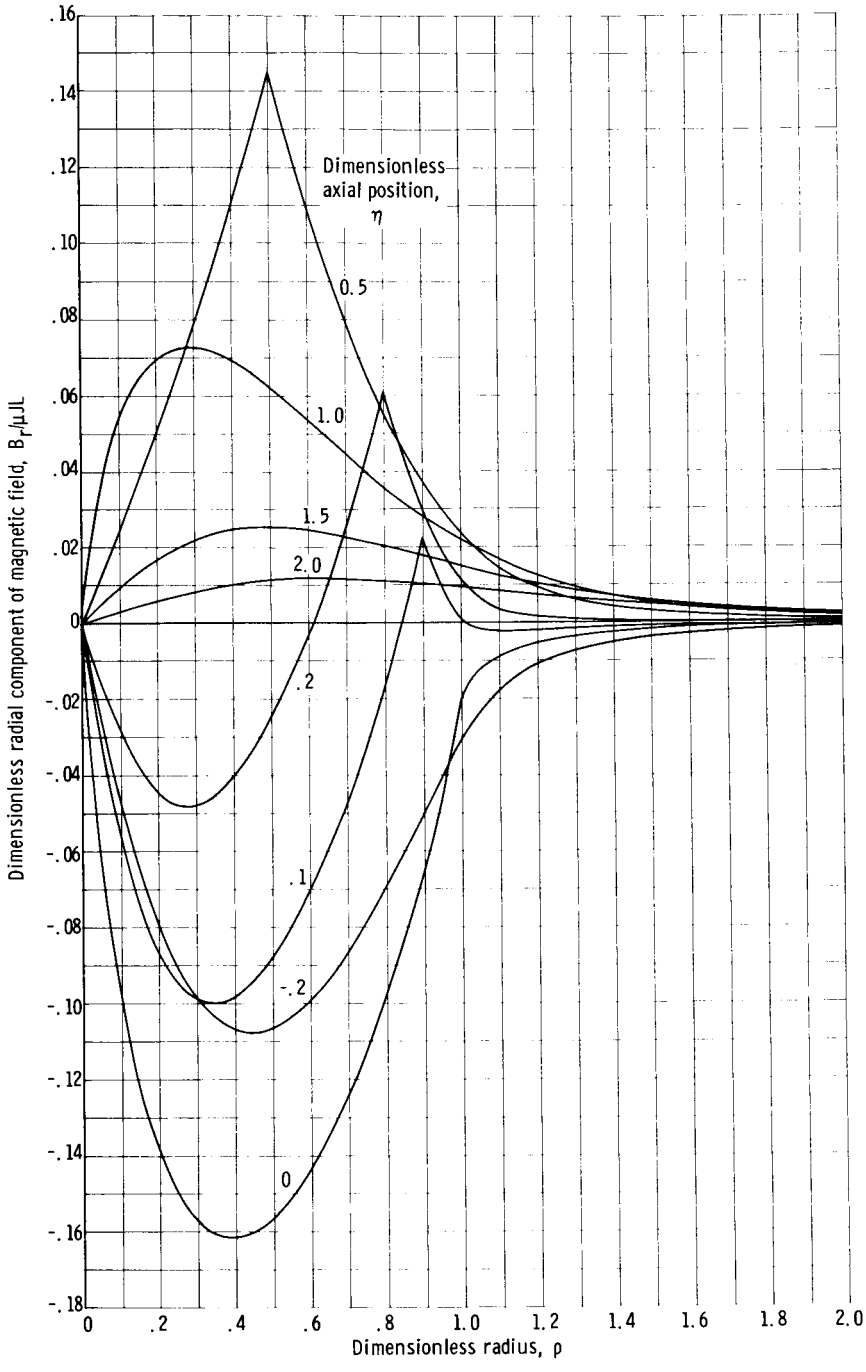
(b) Radial component; half cone angle, 15°.

Figure 2. - Magnetic induction for solid conical conductor at constant current density.



(c) Axial component; half cone angle, 60°.

Figure 2. - Continued.



(d) Radial component; half cone angle, 60^{o}.

Figure 2. - Concluded.

As expected, for $\rho = 0$ (on the axis) the radial component of the magnetic field B_r vanishes, while the axial component B_z has its largest positive value. For $\eta > 1$ and $\eta < 0$ (above and below the cone) the B_z curves have a slope of zero at $\rho = 0$. For $0 < \eta < 1$ the curves have a sharp change of direction at $\rho = 1 - \eta$; that is, the slope of B_z is discontinuous at the conical surface.

The B_r curves attain a positive maximum for all $\eta \geq 1$. On the other hand, negative maximums are obtained for values of η between zero and some positive value less than one. For all values of η less than one but greater than zero the B_r curves rise to a cusp at the conical surface ($\rho = 1 - \eta$) then decrease rapidly to zero.

A sketch of typical magnetic field lines for a solid conical conductor, obtained by vector addition of the tabulated values of the field components, is shown in figure 3.

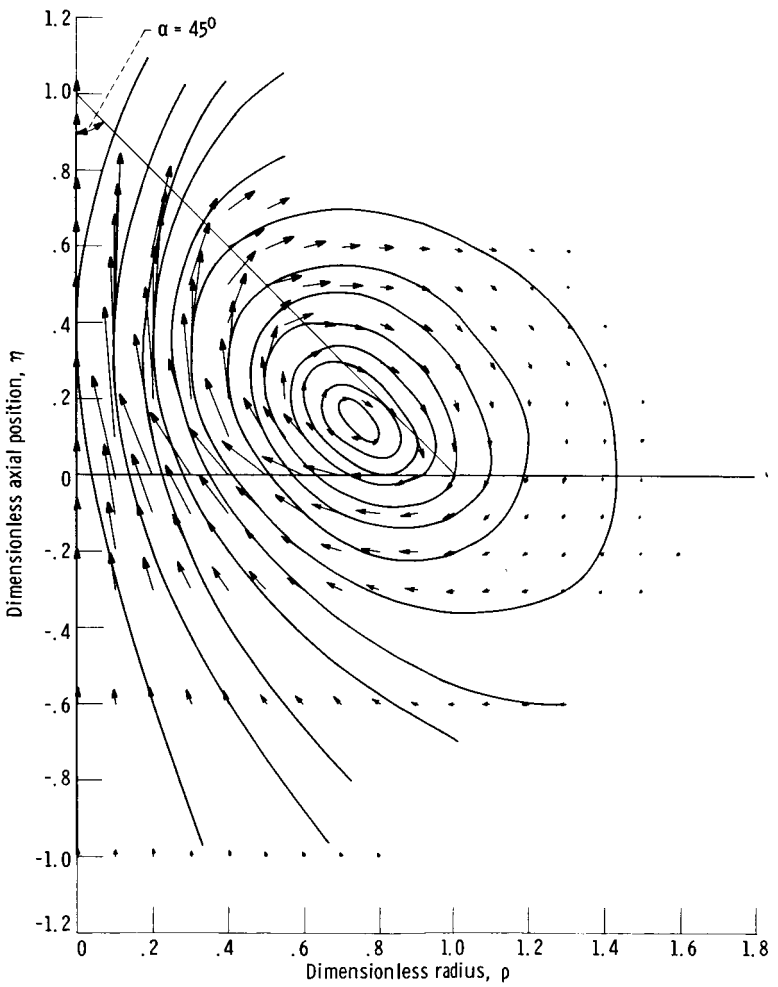


Figure 3. - Magnetic field lines for typical solid conical conductor.

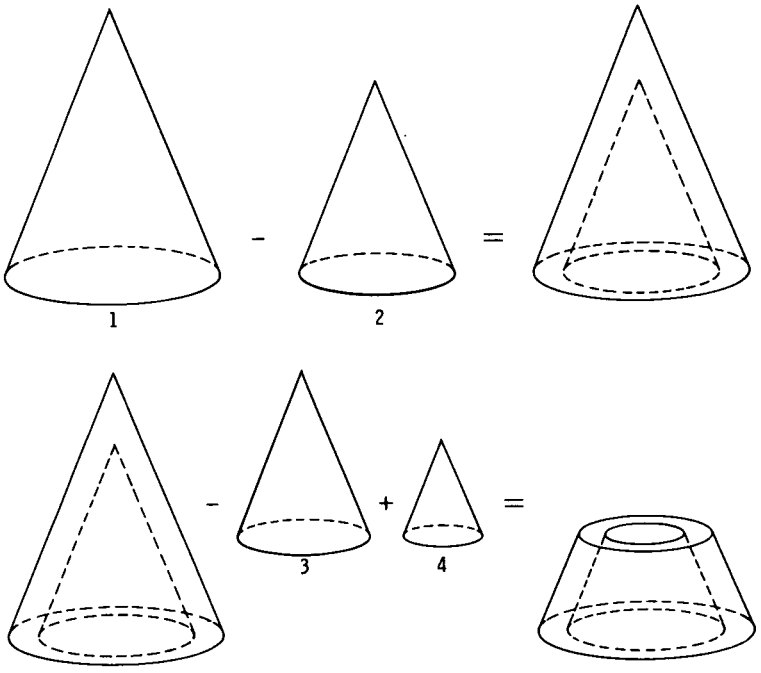


Figure 4. - Superposition method.

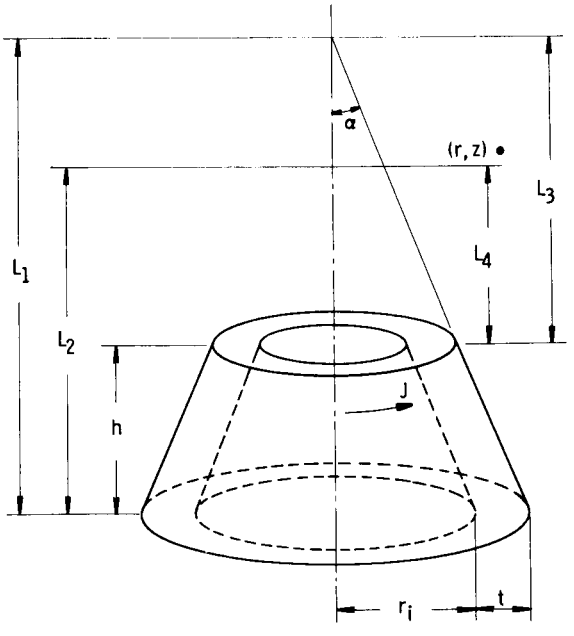


Figure 5. - Hollow frustum conductor of finite thickness.

SUPERPOSITION METHOD

The method of superposition of fields of solid conical current distributions to find the fields of both hollow conical coils and hollow frustum coils of finite thicknesses is illustrated in figure 4. This method is similar to that used in reference 6 for the magnetic fields of cylindrical solenoids. As an example of this superposition technique, the magnetic field components due to the hollow frustum conductor (coil), shown in figure 5, are considered at the field point $(r, \theta = 0, z)$. The fields due to a solid conical conductor of height $L_1 = (r_i + t)\cot \alpha$ can be found from the tables under the appropriate value of α ($\alpha = 15^\circ, 22.5^\circ, 30^\circ, 45^\circ,$ or 60°) with $\rho_1 = \dfrac{r}{L_1 \tan \alpha} = \dfrac{r}{r_i + t}$ and $\eta_1 = \dfrac{z}{L_1} = \dfrac{z}{(r_i + t)\cot \alpha}$.

Of course, interpolation within the table may be needed.

With the same table the fields of a smaller solid conical conductor of height $L_2 = r_i \cot \alpha$ with $\rho_2 = \dfrac{r}{L_2 \tan \alpha} = \dfrac{r}{r_i}$ and $\eta_2 = \dfrac{z}{L_2} = \dfrac{z}{r_i \cot \alpha}$ may be found and subtracted from the values obtained for a solid conical conductor of height L_1. As a result, the magnetic field components at (r, z) due to a hollow conical coil of thickness t have been found.

To obtain the magnetic field components of the hollow frustum coil, the fields of another solid conical conductor of height $L_3 = (r_i + t)\cot \alpha - h$ with $\rho_3 = \dfrac{r}{L_3 \tan \alpha} = \dfrac{r}{r_i + t - h \tan \alpha}$ and $\eta_3 = \dfrac{z - h}{L_3} = \dfrac{z - h}{(r_i + t)\cot \alpha - h}$ are subtracted from the fields found for a hollow conical coil, and the fields of a solid conical conductor of height $L_4 = r_i \cot \alpha - h$ with $\rho_4 = \dfrac{r}{L_4 \tan \alpha} = \dfrac{r}{r_i - h \tan \alpha}$ and $\eta_4 = \dfrac{z - h}{L_4} = \dfrac{z - h}{r_i \cot \alpha - h}$ are added as in figure 4.

The formula for the magnetic field components of the hollow frustum coil may be expressed as

$$B_j = B_{j,1} - B_{j,2} - B_{j,3} + B_{j,4}$$

where $j = r$ or z and the numerals 1, 2, 3, and 4 correspond to the numbered cones shown in figure 4. In terms of the tabulated values $b'_{j,n}$ this expression is

$$B_j = \frac{\mu J}{10}\left(L_1 b'_{j,1} - L_2 b'_{j,2} - L_3 b'_{j,3} + L_4 b'_{j,4}\right)$$

To illustrate the use of the tables and the general superposition technique, a specific example is calculated in appendix C.

APPENDIX A

SYMBOLS

A	magnetic vector potential
A_θ	azimuthal component of vector potential
a	$\cot^2\alpha(\rho\cos\varphi + \eta - 1)^2 + \rho^2\sin^2\varphi$
B_r	radial component of magnetic field
B_z	axial component of magnetic field
b	$\cot^2\alpha(\rho\cos\varphi + \eta - 1)$
b'_j	radial or axial table values, $10B_j/\mu JL$
c	$\csc^2\alpha$
h	height of frustum
J	constant current density
k^2	$\sqrt{\left(a - c\rho^2\sin^2\varphi\right)^2 + 4b^2\rho^2\sin^2\varphi} = \beta_1^2 + \beta_2^2$
L	height of cone
m, φ, ℓ	cylindrical coordinates of source point
R	distance from source point to field point, $\sqrt{m^2 - 2mr\cos\varphi + r^2 + (z-\ell)^2}$
r_i	inside radius of base of frustum
$r, \theta = 0, z$	cylindrical coordinates of field point
t	thickness
V	volume
x	$\dfrac{m}{L\tan\alpha}$
α	half cone angle
β_1	$\pm\sqrt{\frac{1}{2}k^2 + \frac{1}{2}\left(a - c\rho^2\sin^2\varphi\right)}$
β_2	$\pm\sqrt{\frac{1}{2}k^2 - \frac{1}{2}\left(a - c\rho^2\sin^2\varphi\right)}$
γ_1	$\frac{1}{k^2}\left(c\rho\beta_2\sin\varphi + b\beta_1\right)$
γ_2	$\frac{1}{k^2}\left(c\rho\beta_1\sin\varphi - b\beta_2\right)$
δ_1	$\frac{1}{k^2}\left(b\rho\beta_2\sin\varphi + a\beta_1\right)$
δ_2	$\frac{1}{k^2}\left(b\rho\beta_1\sin\varphi - a\beta_2\right)$
η	dimensionless axial position, z/L
μ	permeability
ρ	dimensionless radius, r/L tan α
$\rightarrow$	denotes vector

Subscripts:

1, 2, 3, 4	correspond to numbered cones in fig. 4
j	denotes r or z

APPENDIX B

DERIVATION OF EQUATIONS (1) AND (2)

For a solid, finite-length conical conductor carrying a constant, azimuthal current density the components of the magnetic vector potential are given by $A_r = A_z = 0$ and

$$A_\theta = \frac{\mu J}{4\pi} \int_0^{2\pi} \int_0^{L} \int_0^{(L-\ell)\tan\alpha} \frac{m \cos\varphi \, dm \, d\ell \, d\varphi}{\sqrt{m^2 - 2mr\cos\varphi + r^2 + (z-\ell)^2}}$$

$$= \frac{\mu J}{4\pi} \int_0^{2\pi} \int_0^{L\tan\alpha} \int_0^{L-m\cot\alpha} \frac{m \cos\varphi \, d\ell \, dm \, d\varphi}{\sqrt{m^2 - 2mr\cos\varphi + r^2 + (z-\ell)^2}} \tag{B1}$$

Integrating equation (B1) by parts with respect to φ $\left(\text{with } du = \cos\varphi \, d\varphi \text{ and } v = \frac{1}{R}\right)$ yields

$$\frac{A_\theta}{\mu J} = \frac{1}{2\pi} \int_0^{\pi} \int_0^{L\tan\alpha} \int_0^{L-m\cot\alpha} \frac{m^2 r \sin^2\varphi \, d\ell \, dm \, d\varphi}{\left(m^2 - 2mr\cos\varphi + r^2 + z^2 - 2z\ell + \ell^2\right)^{3/2}} \tag{B2}$$

Integrating equation (B2) with respect to ℓ gives

$$\frac{A_\theta}{\mu J} = \frac{1}{2\pi} \int_0^{\pi} \int_0^{L\tan\alpha} \frac{m^2 r \sin^2\varphi (\ell - z) dm \, d\varphi}{\left(m^2 - 2mr\cos\varphi + r^2\right)\sqrt{m^2 - 2mr\cos\varphi + r^2 + z^2 - 2z\ell + \ell^2}} \Bigg|_{\ell=0}^{\ell=L-m\cot\alpha} \tag{B3}$$

Differentiating equation (B3) with respect to z and applying the limits on ℓ yield

$$\frac{B_r}{\mu J} = \frac{1}{2\pi}\int_0^{\pi}\int_0^{L\tan\alpha} r\sin^2\varphi\left\{\frac{-m^2\,dm}{\left(m^2 - 2mr\cos\varphi + r^2 + z^2\right)^{3/2}}\right.$$

$$\left. + \frac{m^2\,dm}{\left[m^2\csc^2\alpha - 2m(L\cot\alpha - z\cot\alpha + r\cos\varphi) + r^2 + (L-z)^2\right]^{3/2}}\right\} d\varphi \qquad \text{(B4)}$$

Integrating equation (B4) with respect to m gives

$$\frac{B_r}{\mu J} = \frac{1}{2\pi}\int_0^{\pi} r\sin^2\varphi\left(\frac{\left[z^2 + r^2\left(1 - 2\cos^2\varphi\right)\right]m + \left(r^2 + z^2\right)r\cos\varphi}{\left(z^2 + r^2\sin^2\varphi\right)\sqrt{m^2 - 2mr\cos\varphi + r^2 + z^2}} - \ln\left(\sqrt{m^2 - 2mr\cos\varphi + r^2 + z^2} + m - r\cos\varphi\right)\right.$$

$$+ \frac{\left\{2(L\cot\alpha - z\cot\alpha + r\cos\varphi)^2 - \csc^2\alpha\left[r^2 + (L-z)^2\right]\right\}m - (L\cot\alpha - z\cot\alpha + r\cos\varphi)\left[r^2 + (L-z)^2\right]}{\csc^2\alpha\left\{\csc^2\alpha\left[r^2 + (L-z)^2\right] - (L\cot\alpha - z\cot\alpha + r\cos\varphi)^2\right\}\sqrt{m^2\csc^2\alpha - 2m(L\cot\alpha - z\cot\alpha + r\cos\varphi) + r^2 + (L-z)^2}}$$

$$\left. + \frac{1}{\csc^3\alpha}\ln\left[\sqrt{m^2\csc^2\alpha - 2m(L\cot\alpha - z\cot\alpha + r\cos\varphi) + r^2 + (L-z)^2} + m\csc\alpha - \frac{(L\cot\alpha - z\cot\alpha + r\cos\varphi)}{\csc\alpha}\right]\right) d\varphi \Bigg|_{m=0}^{m=L\tan\alpha} \qquad \text{(B5)}$$

Nondimensionalizing equation (B5) with $\rho = \dfrac{r}{L\tan\alpha}$, $\eta = \dfrac{z}{L}$, and $x = \dfrac{m}{L\tan\alpha}$ yields equation (1) in the text. For the component $B_z = \dfrac{A_\theta}{r} + \dfrac{\partial A_\theta}{\partial r}$, equation (B3) can be used for one term, and equation (B1) can be differentiated for the other term to yield

$$\frac{B_z}{\mu J} = \frac{1}{2\pi}\int_0^{\pi}\int_0^{L\tan\alpha} \frac{m^2\sin^2\varphi(\ell - z)\,dm\,d\varphi}{\left(m^2 - 2mr\cos\varphi + r^2\right)\sqrt{m^2 - 2mr\cos\varphi + r^2 + z^2 - 2z\ell + \ell^2}}\Bigg|_{\ell=0}^{\ell=L-m\cot\alpha}$$

$$+ \frac{1}{2\pi}\int_0^{\pi}\int_0^{L\tan\alpha}\int_0^{L-m\cot\alpha} \frac{m\cos\varphi(m\cos\varphi - r)\,d\ell\,dm\,d\varphi}{\left(m^2 - 2mr\cos\varphi + r^2 + z^2 - 2z\ell + \ell^2\right)^{3/2}} \qquad \text{(B6)}$$

Integrating the second term of equation (B6) with respect to ℓ, combining terms, and applying the limits on ℓ give

$$\frac{B_z}{\mu J} = \frac{1}{2\pi}\int_0^{\pi}\int_0^{L\tan\alpha}\left[\frac{m(m - r\cos\varphi)z}{\left(m^2 - 2mr\cos\varphi + r^2\right)\sqrt{m^2 - 2mr\cos\varphi + r^2 + z^2}}\right.$$

$$\left. + \frac{m(m - r\cos\varphi)(L - z - m\cot\alpha)}{\left(m^2 - 2mr\cos\varphi + r^2\right)\sqrt{m^2\csc^2\alpha - 2m(L\cot\alpha - z\cot\alpha + r\cos\varphi) + r^2 + (L - z)^2}}\right] dm\, d\varphi \tag{B7}$$

Nondimensionalizing equation (B7) yields

$$\frac{B_z}{\mu JL} = \frac{1}{2\pi}\int_0^{\pi}\int_0^{1}\left[\frac{x(x - \rho\cos\varphi)\eta}{\left(x^2 - 2x\rho\cos\varphi + \rho^2\right)\sqrt{x^2 - 2x\rho\cos\varphi + \rho^2 + \eta^2\cot^2\alpha}}\right.$$

$$\left. + \frac{x(x - \rho\cos\varphi)(1 - \eta - x)}{\left(x^2 - 2x\rho\cos\varphi + \rho^2\right)\sqrt{x^2\csc^2\alpha - 2x\left(\cot^2\alpha - \eta\cot^2\alpha + \rho\cos\varphi\right) + \rho^2 + (\cot\alpha - \eta\cot\alpha)^2}}\right] dx\, d\varphi \tag{B8}$$

Let

$$\int_0^{1} \frac{x(x - \rho\cos\varphi)\eta\, dx}{\left(x^2 - 2x\rho\cos\varphi + \rho^2\right)\sqrt{x^2 - 2x\rho\cos\varphi + \rho^2 + \eta^2\cot^2\alpha}} = I$$

and

$$\int_0^1 \frac{x(x-\rho\cos\varphi)(1-\eta-x)dx}{\left(x^2-2x\rho\cos\varphi+\rho^2\right)\sqrt{x^2\csc^2\alpha-2x\left(\cot^2\alpha-\eta\cot^2\alpha+\rho\cos\varphi\right)+\rho^2+(\cot\alpha-\eta\cot\alpha)^2}} = II$$

To integrate I with respect to x, let $y = x - \rho\cos\varphi$ so that $dy = dx$ and $x^2 - 2x\rho\cos\varphi + \rho^2 = y^2 + \rho^2\sin^2\varphi$. Then

$$I = \int_{y_1}^{y_2} \frac{(y+\rho\cos\varphi)y\eta\,dy}{\left(y^2+\rho^2\sin^2\varphi\right)\sqrt{y^2+\rho^2\sin^2\varphi+\eta^2\cot^2\alpha}}$$

$$= \eta\int_{y_1}^{y_2}\left[\frac{y^2+\rho^2\sin^2\varphi}{\left(y^2+\rho^2\sin^2\varphi\right)\sqrt{y^2+\rho^2\sin^2\varphi+\eta^2\cot^2\alpha}}\right.$$

$$\left.+\frac{y\rho\cos\varphi}{\left(y^2+\rho^2\sin^2\varphi\right)\sqrt{y^2+\rho^2\sin^2\varphi+\eta^2\cot^2\alpha}}-\frac{\rho^2\sin^2\varphi}{\left(y^2+\rho^2\sin^2\varphi\right)\sqrt{y^2+\rho^2\sin^2\varphi+\eta^2\cot^2\alpha}}\right]dy$$

Integrating this equation by using a change of variable $v = y^2$ for the second term and replacing the original variable and limits yield

$$I = \eta\ln\left(x-\rho\cos\varphi+\sqrt{x^2-2x\rho\cos\varphi+\rho^2+\eta^2\cot^2\alpha}\right)-\frac{\rho\eta\sin\varphi}{|\eta|\cot\alpha}$$

$$\times\tan^{-1}\left[\frac{(x-\rho\cos\varphi)|\eta|\cot\alpha}{\rho\sin\varphi\sqrt{x^2-2x\rho\cos\varphi+\rho^2+\eta^2\cot^2\alpha}}\right]$$

$$+\frac{\eta\rho\cos\varphi}{2|\eta|\cot\alpha}\ln\left(\frac{\sqrt{x^2-2x\rho\cos\varphi+\rho^2+\eta^2\cot^2\alpha}-|\eta|\cot\alpha}{\sqrt{x^2-2x\rho\cos\varphi+\rho^2+\eta^2\cot^2\alpha}+|\eta|\cot\alpha}\right)\Bigg|_{x=0}^{x=1} \quad \text{for } \eta\neq 0$$

For $\eta = 0$ it can be shown that $I = 0$.

Applying the same change of variable $y = x - \rho \cos \varphi$ yields the following expression for II:

$$II = \int_{y_1}^{y_2} \frac{(y + \rho \cos \varphi)y\,[-(y + \rho \cos \varphi) - (\eta - 1)]dy}{\left(y^2 + \rho^2 \sin^2\varphi\right)\sqrt{cy^2 + 2by + a}}$$

where

$$c = \csc^2\alpha$$

$$b = \cot^2\alpha(\rho \cos \varphi + \eta - 1)$$

and

$$a = \cot^2\alpha(\rho \cos \varphi + \eta - 1)^2 + \rho^2 \sin^2\varphi$$

Then

$$-II = \int_{y_1}^{y_2} \frac{(\eta - 1)(y + \rho \cos \varphi)y\,dy}{\left(y^2 + \rho^2 \sin^2\varphi\right)\sqrt{cy^2 + 2by + a}} + \int_{y_1}^{y_2} \frac{(y + \rho \cos \varphi)^2 y\,dy}{\left(y^2 + \rho^2 \sin^2\varphi\right)\sqrt{cy^2 + 2by + a}} \qquad \text{(B9)}$$

The first integral of equation (B9) can be written

$$(\eta - 1)\int_{y_1}^{y_2} \left[\frac{y^2 + \rho^2 \sin^2\varphi}{\left(y^2 + \rho^2 \sin^2\varphi\right)\sqrt{cy^2 + 2by + a}} + \frac{y\rho \cos \varphi}{\left(y^2 + \rho^2 \sin^2\varphi\right)\sqrt{cy^2 + 2by + a}}\right.$$

$$\left. - \frac{\rho^2 \sin^2\varphi}{\left(y^2 + \rho^2 \sin^2\varphi\right)\sqrt{cy^2 + 2by + a}}\right]dy$$

and the second integral of equation (B9) can be written

$$\int_{y_1}^{y_2} \left[\frac{\left(y^2 + \rho^2 \sin^2\varphi\right) y}{\left(y^2 + \rho^2 \sin^2\varphi\right)\sqrt{cy^2 + 2by + a}} + \frac{\left(y^2 + \rho^2 \sin^2\varphi\right) 2\rho \cos\varphi}{\left(y^2 + \rho^2 \sin^2\varphi\right)\sqrt{cy^2 + 2by + a}} \right.$$

$$\left. - \frac{2\rho^3 \cos\varphi \sin^2\varphi}{\left(y^2 + \rho^2 \sin^2\varphi\right)\sqrt{cy^2 + 2by + a}} + \frac{\rho^2\left(\cos^2\varphi - \sin^2\varphi\right) y}{\left(y^2 + \rho^2 \sin^2\varphi\right)\sqrt{cy^2 + 2by + a}} \right] dy$$

Combining the two integrals yields

$$II = -\int_{y_1}^{y_2} \left\{ \frac{y + \eta - 1 + 2\rho \cos\varphi}{\sqrt{cy^2 + 2by + a}} + \frac{\left[\rho \cos\varphi(\eta - 1) + \rho^2\left(1 - 2\sin^2\varphi\right)\right] y}{\left(y^2 + \rho^2 \sin^2\varphi\right)\sqrt{cy^2 + 2by + a}} \right.$$

$$\left. - \frac{\rho^2 \sin^2\varphi(\eta - 1 + 2\rho \cos\varphi)}{\left(y^2 + \rho^2 \sin^2\varphi\right)\sqrt{cy^2 + 2by + a}} \right\} dy \qquad \text{(B10)}$$

Since the forms for the integration of the second and third terms of equation (B10) are not presented in most standard integral tables, they are shown here as they appear in reference 7 but in the notation adopted in this report:

$$\int \frac{dy}{\left(y^2 + \rho^2 \sin^2\varphi\right)\sqrt{cy^2 + 2by + a}} = \frac{\beta_2}{2k^2 \rho \sin\varphi} \ln \frac{y^2 + \rho^2 \sin^2\varphi}{\left(\gamma_1 y + \delta_1 - \sqrt{cy^2 + 2by + a}\right)^2 + \left(\gamma_2 y + \delta_2\right)^2}$$

$$+ \frac{\beta_1}{k^2 \rho \sin\varphi} \left(\tan^{-1} \frac{\rho \sin\varphi}{y} + \tan^{-1} \frac{\gamma_2 y + \delta_2}{\gamma_1 y + \delta_1 - \sqrt{cy^2 + 2by + a}} \right) + \text{constant}$$

and

$$\int \frac{y\,dy}{\left(y^2 + \rho^2 \sin^2\varphi\right)\sqrt{cy^2 + 2by + a}} = \frac{\beta_1}{2k^2} \ln \frac{\left(\gamma_1 y + \delta_1 - \sqrt{cy^2 + 2by + a}\right)^2 + \left(\gamma_2 y + \delta_2\right)^2}{y^2 + \rho^2 \sin^2\varphi}$$

$$+ \frac{\beta_2}{k^2}\left(\tan^{-1}\frac{\rho \sin\varphi}{y} + \tan^{-1}\frac{\gamma_2 y + \delta_2}{\gamma_1 y + \delta_1 - \sqrt{cy^2 + 2by + a}}\right) + \text{constant}$$

where

$$\beta_1 = \pm\sqrt{\frac{1}{2}k^2 + \frac{1}{2}\left(a - c\rho^2 \sin^2\varphi\right)}$$

$$\beta_2 = \pm\sqrt{\frac{1}{2}k^2 - \frac{1}{2}\left(a - c\rho^2 \sin^2\varphi\right)}$$

$$k^2 = \beta_1^2 + \beta_2^2 = \sqrt{\left(a - c\rho^2 \sin^2\varphi\right)^2 + 4b^2\rho^2 \sin^2\varphi}$$

$$\gamma_1 = \frac{1}{k^2}\left(c\rho\beta_2 \sin\varphi + b\beta_1\right)$$

$$\gamma_2 = \frac{1}{k^2}\left(c\rho\beta_1 \sin\varphi - b\beta_2\right)$$

$$\delta_1 = \frac{1}{k^2}\left(b\rho\beta_2 \sin\varphi + a\beta_1\right)$$

and

$$\delta_2 = \frac{1}{k^2}\left(b\rho\beta_1 \sin\varphi - a\beta_2\right)$$

The sign of β_1 and β_2 must be chosen so that the condition $\beta_1\beta_2 = b\rho \sin\varphi$ is satisfied.

It was verified that for this calculation no problems were encountered if β_1 and β_2 were set positive when $b\rho \sin\varphi$ was positive and if β_2 was set negative when $b\rho \sin\varphi$ was negative. With these forms equation (B10) becomes, after combining terms and reverting to the original variable and limits,

$$II = -\left(\frac{1}{c}\sqrt{c(x - \rho\cos\varphi)^2 + 2b(x - \rho\cos\varphi) + a} + \frac{(\eta - 1 + 2\rho\cos\varphi)c - b}{c\sqrt{c}} \right.$$

$$\times \ln\left[\sqrt{c(x - \rho\cos\varphi)^2 + 2b(x - \rho\cos\varphi) + a} + \sqrt{c}(x - \rho\cos\varphi) + \frac{b}{\sqrt{c}}\right]$$

$$+\left\{\frac{\beta_2}{k^2}\left[\rho\cos\varphi(\eta - 1) + \rho^2\left(1 - 2\sin^2\varphi\right)\right] - \frac{\beta_1}{k^2}\rho\sin\varphi(\eta - 1 + 2\rho\cos\varphi)\right\}$$

$$\times\left\{\tan^{-1}\left(\frac{\rho\sin\varphi}{x - \rho\cos\varphi}\right) + \tan^{-1}\left[\frac{\gamma_2(x - \rho\cos\varphi) + \delta_2}{\gamma_1(x - \rho\cos\varphi) + \delta_1 - \sqrt{c(x - \rho\cos\varphi)^2 + 2b(x - \rho\cos\varphi) + a}}\right]\right\}$$

$$+\left\{\frac{\beta_1}{2k^2}\left[\rho\cos\varphi(\eta - 1) + \rho^2\left(1 - 2\sin^2\varphi\right)\right] + \frac{\beta_2}{2k^2}\rho\sin\varphi(\eta - 1 + 2\rho\cos\varphi)\right\}$$

$$\left.\times\ln\left\{\frac{\left[\gamma_1(x - \rho\cos\varphi) + \delta_1 - \sqrt{c(x - \rho\cos\varphi)^2 + 2b(x - \rho\cos\varphi) + a}\right]^2 + \left[\gamma_2(x - \rho\cos\varphi) + \delta_2\right]^2}{(x - \rho\cos\varphi)^2 + \rho^2\sin^2\varphi}\right\}\right)\Bigg|_{x=0}^{x=1}$$

Writing

$$\frac{B_z}{\mu JL} = \frac{1}{2\pi}\int_0^{\pi}(I + II)d\varphi$$

results in equation (2).

The following special cases were used in the programming of equations (1) and (2):

(a) For $\rho = 0$ and arbitrary η, $\frac{B_r}{\mu JL} = 0$ and

$$\frac{B_z}{\mu JL} = \frac{1}{2}\left(\sin^2\alpha\left\{(1-\eta)\sin\alpha\,\ln\left[\frac{\sqrt{\eta^2\cot^2\alpha+1}+\csc\alpha-(1-\eta)\cot\alpha\cos\alpha}{\left|(1-\eta)\cot\alpha\right|-(1-\eta)\cot\alpha\cos\alpha}\right]\right.\right.$$
$$\left.\left.-\sqrt{\eta^2\cot^2\alpha+1}+\left|(1-\eta)\cot\alpha\right|\right\}+\eta\ln\left(\frac{1+\sqrt{\eta^2\cot^2\alpha+1}}{|\eta\cot\alpha|}\right)\right)$$

(b) For $\rho = 0$ and $\eta = 0$

$$\frac{B_z}{\mu JL} = \frac{1}{2}\sin\alpha\left(\sin^2\alpha\left\{\ln\left[\frac{\cos\alpha(1+\sin\alpha)}{1-\cos\alpha}\right]\right\}-\sin\alpha+\cos\alpha\right)$$

(c) For $\rho = 0$ and $\eta = 1$

$$\frac{B_z}{\mu JL} = \frac{1}{2}\left[-\sin\alpha+\ln(\tan\alpha+\sec\alpha)\right]$$

APPENDIX C

NUMERICAL EXAMPLE OF SUPERPOSITION TECHNIQUE

Suppose $r_i = 3$, $t = 0.5$, $h = 3.464$, $\alpha = 30^o$, $r = 0.5$, and $z = 3$ in figure 5 (p. 8). The odd number for h arises from the fact that the sample frustum was chosen so that it had an inside radius of 3 at the base and an inside radius of 1 at the top. The following values can then be computed: $L_1 = 6.062$, $\rho_1 = 0.1429$, and $\eta_1 = 0.4949$. Using linear interpolation within the $\alpha = 30^o$ table gives

$$b'_{r,1} = \frac{10B_{r,1}}{\mu J L_1} = 0.14005$$

and

$$b'_{z,1} = \frac{10B_{z,1}}{\mu J L_1} = 2.07080$$

or $B_{r,1} = 0.08490\ \mu J$ and $B_{z,1} = 1.25532\ \mu J$. Similarly, $L_2 = 5.196$, $\rho_2 = 0.1667$, and $\eta_2 = 0.5774$ yield $B_{r,2} = 0.10121\ \mu J$ and $B_{z,2} = 0.84642\ \mu J$. Hence, a hollow conical coil of thickness 0.5, half cone angle of 30^o, height of 6.062, and an inside radius of 3 at the base would have the fields $B_r = B_{r,1} - B_{r,2} = -0.01631\ \mu J$ and $B_z = B_{z,1} - B_{z,2} = 0.40890\ \mu J$ at the field point $r = 0.5$ and $z = 3.0$. Continuing, the parameters for the hollow frustum coil may be obtained: $L_3 = 2.598$, $\rho_3 = 0.3333$, and $\eta_3 = -0.1786$ yield $B_{r,3} = -0.06909\ \mu J$ and $B_{z,3} = 0.13767\ \mu J$; $L_4 = 1.732$, $\rho_4 = 0.5$, and $\eta_4 = -0.2679$ yield $B_{r,4} = -0.03602\ \mu J$ and $B_{z,4} = 0.04806\ \mu J$. Hence, the radial and axial fields of the hollow frustum coil at the specified field point are

$$B_r = B_{r,1} - B_{r,2} - B_{r,3} + B_{r,4} = 0.01676\ \mu J$$

and

$$B_z = B_{z,1} - B_{z,2} - B_{z,3} + B_{z,4} = 0.31929\ \mu J$$

The required interpolation in the tables presented herein is quite time consuming if more than a few field points are considered and may not be sufficiently accurate in some regions. Therefore, a computer program was written, which utilized the superposition technique, to compute the field values for a hollow conical coil or a hollow frustum coil

directly. This program is also listed in appendix D. For the above example where $r = 0.5$ and $z = 3.0$ the computer program gave $B_r = -0.01630\ \mu J$ and $B_z = 0.40903\ \mu J$ for the hollow conical coil and $B_r = 0.01704\ \mu J$ and $B_z = 0.31927\ \mu J$ for the hollow frustum coil. Hence, in a case where the field components are desired at only a few field points, the superposition method with interpolation is quite accurate in most regions.

APPENDIX D

COMPUTER PROGRAMS AND FLOW DIAGRAMS

Programs are presented to enable the reader to extend the tables or to compute the components of the magnetic field of any hollow cone or hollow frustum of interest using the superposition method presented herein. These programs are written in FORTRAN IV.

Subroutine BRDPGS is used to evaluate equation (1) and requires a Block Data Subroutine to supply the abscissas and weights for the Gaussian integration. Subroutine BZSIGD is used to evaluate equation (2) and also requires a Block Data Subroutine to supply the quadrature coefficients. Block Data Subroutines GSDP96 and GSDP48 are presented for the readers use. The coefficients listed were obtained from reference 8. The criteria governing the number of coefficients to be used and thus the choice of the Block Data Subroutine to be used will also be discussed in this appendix. The control program BRMAIN is used to generate the tables of $10B_r/\mu JL$, and the control program BZMAIN is used to generate the tables of $10B_z/\mu JL$. Program BRSUP utilizes the superposition method to evaluate $B_r/\mu JL$, and program BZSUP utilizes the superposition method to evaluate $B_z/\mu JL$.

When $\rho = 1 - \eta$, equation (2) is an improper integral, and as ρ approaches $1 - \eta$, the integral becomes increasingly difficult to evaluate numerically. Therefore, in order to achieve the five decimal accuracy of the tables it was necessary to increase the number of integration coefficients to calculate $B_z/\mu JL$ near the conical surface. The surface values, even when utilizing 96 points in the integration (Block Data Subroutine GSDP96), were not accurate to five decimals, thus these values of $B_z/\mu JL$ (where $\rho = 1 - \eta$) were improved through the use of differencing techniques.

For a given η, ρ was varied from $0.9 - \eta$ to $1.0 - \eta$ in increments of 0.01, and the axial field $B_z/\mu JL$ was calculated at each of these points as well as the first through fifth differences in $B_z/\mu JL$. The fourth or fifth differences (excluding the ones using the edge values) were quite small and approximately constant. A particular set (either fourth or fifth) was chosen and averaged. This average was used for the difference nearest the surface. Once the highest difference near the surface had been corrected in this manner, the lower order differences and $B_z/\mu JL$ at the surface were generated based on this corrected value. This procedure was also used for the same η with ρ varying from $1.0 - \eta$ to $1.1 - \eta$ in increments of 0.01, and the two $B_z/\mu JL$ surface values were compared.

For $\alpha = 15^\circ$, 22.5°, and 30° the two $B_z/\mu JL$ values calculated at each surface point agree to five decimals. For $\alpha = 45^\circ$ and $\alpha = 60^\circ$ in the vicinity of $\rho = 1$ and $\eta = 0$ there were discrepancies on the order of 0.5 percent; however, whenever such a discrepancy existed, the differences from the region $0.9 - \eta$ to $1.0 - \eta$ were very well

behaved while those exterior to the surface were not. Therefore, the value presented in the table is based on the first set of differences and is believed correct to five decimals.

The calculations for the tables were carried out on an IBM 7094II-7040 Direct Couple System. Block Data Subroutine GSDP96 was used to evaluate the tables. To calculate the axial field for 341 points required 5.5 minutes of machine time; this averages out to approximately 60 points per minute. To calculate the radial field for the same number of points required 1.3 minutes of machine time yielding an average machine time of 264 points per minute. Use of Block Data Subroutine GSDP48 would cut the execution time in half but would also result in a loss of accuracy in some of the B_z values.

The following FORTRAN variables are required as input to both programs BRMAIN and BZMAIN. A new data card is required for each output page. An output page consists of a maximum of 40 lines and 11 columns.

ALPHA	half cone angle, deg
ETA1	value of η corresponding to first line of B_j values on an output page
DELETA	incremental value of η required to generate each successive line of B_j values on an output page
NETA	total number of η lines on an output page (cannot exceed 40)
RHO1	value of ρ corresponding to first column of B_j values on an output page
DELRHO	incremental value of ρ required to generate each successive column of B_j values on an output page
NRHO	total number of ρ columns on this page (cannot exceed 11)
NGS	number of Gaussian integration coefficients to be used (must correspond to the Block Data Subroutine that is loaded)

In program BZMAIN allowance has been made to insert corrected values on the surface. The following data are required for each output page.

KSW	control governing whether or not corrected values are to be read and used
NEDGE	number of corrected values to be read

If KSW = 1, the following input is also read. One input card is required for each corrected value to be inserted.

BIN	corrected value of $10B_z/\mu JL$ to be inserted
I	number of the η line in which the corrected value is to be inserted
J	number of the ρ column in which the corrected value is to be inserted

The following FORTRAN variables are required as input for both programs BRSUP and BZSUP. One input data card is required for each hollow cone or frustum to be evaluated.

RI	inside radius at base of hollow frustum or hollow cone, r_i
T	thickness of hollow frustum or hollow cone, t
H	height of frustum, h
ALPHAD	half cone angle, α, deg
NFPTS	number of field points at which magnetic field component due to the frustum or cone is desired
NGS	number of Gaussian integration coefficients to be used in calculation (must agree with Block Data Subroutine that is loaded)
KSW	control governing whether a hollow frustum or a hollow cone is to be evaluated

In addition, a data card must be prepared for each field point at which the magnetic field component is desired. These data cards each contain the following two variables:

RO, ZO	cylindrical coordinates r and z, respectively, of the field point

Block diagrams are presented to facilitate the use of the programs and to help the reader make alterations to the programs if desired. The numbers just above each box in the block diagrams correspond to the statement numbers in the program.

The order of presentation is to list all programs followed by the associated block diagrams:

```
$IBFTC BRMAIN  LIST,REF,DECK
C EVALUATES AND PRINTS ONE PAGE OF THE BR TABLE FOR EACH INPUT CARD READ
    1 DIMENSION RHOOUT(11), ETAOUT(40), BR(40,11)
C INPUT FOR ONE PAGE OF THE TABLE
    3 READ(5,100) ALPHA, ETA1, DELETA, NETA, RHO1, DELRHO, NRHO, NGS
  100 FORMAT(3F10.5, I10, 2F10.5, 2I10)
    5 ETA = ETA1
    7 DO 21 I=1,NETA
    9 RHO = RHO1
   11 DO 17 J=1,NRHO
   13 CALL BRDPGS ( ALPHA, ETA, RHO, NGS, BROMJL)
   14 BR(I,J) = BROMJL*  10.0
   15 RHOOUT(J) = RHO
   17 RHO = RHO+DELRHO
   19 ETAOUT(I) = ETA
   21 ETA = ETA+DELETA
   23 WRITE (6,200) ALPHA
  200 FORMAT(1H1 36X 58HDIMENSIONLESS RADIAL MAGNETIC FIELD OF A SOLID F
  2001INITE CONE /1H0 56X 16H(BR/(MU*J*L))*10 /1H0 59X 7HALPHA = F5.1)
   25 WRITE (6,205) (RHOOUT(J), J=1,NRHO)
  205 FORMAT(1H0 5X 5HRHO = F4.2, 10F11.2)
   27 WRITE (6,210)
  210 FORMAT(1H0 2X 3HETA)
   29 DO 39 I=1,NETA
   31 IF(MOD(I+4,5)) 37,33,37
   33 WRITE (6,215) ETAOUT(I), (BR(I,J),J=1,NRHO)
   35 GO TO 39
   37 WRITE (6,220) ETAOUT(I), (BR(I,J),J=1,NRHO)
   39 CONTINUE
  215 FORMAT(1H0 F5.2, 11F11.5)
  220 FORMAT(1H  F5.2, 11F11.5)
   41 GO TO 3
      END
```

```
$IBFTC BRDPGS  LIST,REF,DECK
C SUBROUTINE FOR CALCULATION OF BR/(MU*J*L) USING DOUBLE PRECISION ARITH
C  GAUSSIAN INTEGRATION AND CYLINDRICAL COORDINATES
      SUBROUTINE BRDPGS(ALPHAD, ZOL, ROLTNA, NGS, BROMJL)
      COMMON/GAUSS/XNU,XG
      DIMENSION XNU(100), XG(100)
      DOUBLE PRECISION XNU,XG,NU, RHO, ALPHA, T1, CSCA, TANA, TANSQ,
     1CSCSQ, T2, T3, T4, T5, T6, T7, T8, T9, T10, T21, T11, SUM, ANG,
     2COSP, T12, T13, SINSQ, T14, T15, T16, T22, T17, T18, T19, T20,
     3T1BR1, T2BR1, T3BR1, BRAK1, T1BR2, T2BR2, T3BR2, BRAK2, BRINT
    1 NU = ZOL
    3 RHO = ROLTNA
    4 IF(RHO) 5,100,5
    5 NMAX = NGS
    7 ALPHA = .01745329251994329 6*ALPHAD
    9 T1 = NU-1.0
   11 CSCA = 1.0/DSIN(ALPHA)
   13 TANA = 1.0/(CSCA*DCOS(ALPHA))
   15 TANSQ = TANA*TANA
   17 CSCSQ = CSCA*CSCA
   19 T2 = T1/TANSQ
   21 T3 = RHO**2
   23 T4 = T1*T2
   25 T5 = T3+T4
   27 T6 = T5*CSCSQ
   29 T7 = T5+CSCSQ
   31 T8 =DSQRT(T5)
   33 T9 = NU*NU/TANSQ
   35 T10 = T9+T3
   37 T21 =DSQRT(T10)
   39 T11 = T10+1.0
   45 SUM = 0.0
   47 DO  95 N=1,NMAX
   49 ANG = 1.570796326794896 6*(XNU(N)+1.0)
   51 COSP =DCOS(ANG)
   53 T12 = RHO*COSP
   55 T13 = T12*T12
   57 SINSQ = 1.0-COSP*COSP
   59 T14 = T3*SINSQ
   61 T15 =DSQRT(T11-2.0*T12)
   63 T16 = T2-T12
   65 T22 = T16/CSCA
   67 T17 =DSQRT(T7+2.0*T16)
   69 T18 = T16*T16
   71 T19 = T9+T14
   73 T20 = T12*T10
   75 T1BR1 = (2.0*T13-T10-T20)/(T15*T19)
   77 T2BR1 = T20/(T19*T21)
   79 T3BR1 = DLOG((T15+1.0-T12)/(T21-T12))
   81 BRAK1 = T1BR1+T2BR1+T3BR1
   83 T1BR2 = (2.0*T18-T6+T16*T5)/(CSCSQ*(T6-T18)*T17)
   85 T2BR2 = (T16*T5)/(CSCSQ*(T6-T18)*T8)
   87 T3BR2 = (DLOG((T17+CSCA+T22)/(T8+T22)))/CSCA/CSCSQ
   89 BRAK2 = T1BR2-T2BR2+T3BR2
   91 BRINT = RHO*SINSQ*(BRAK2-BRAK1)
   93 SUM = SUM+XG(N)*BRINT
   95 CONTINUE
   97 BROMJL = 0.25D0*TANA*SUM
   99 RETURN
  100 BROMJL = 0.0
      GO TO 99
  101 END
```

```
$IBFTC BZMAIN  LIST,REF,DECK
C EVALUATES AND PRINTS ONE PAGE OF THE BZ TABLE FOR EACH INPUT CARD
C    PLUS OPTIONS FOR CORRECTING EDGE VALUES
     1 DIMENSION RHOOUT(11), ETAOUT(40), BZ(40,11)
C INPUT FOR ONE PAGE OF THE TABLE
     3 READ (5,100) ALPHA, ETA1, DELETA, NETA, RHO1, DELRHO, NRHO, NGS
   100 FORMAT(3F10.5, I10, 2F10.5, 2I10)
     5 ETA = ETA1
     7 DO 21  I=1,NETA
     9 RHO = RHO1
    11 DO 17  J=1,NRHO
    13 CALL BZSIGD(ALPHA, ETA, RHO, NGS, BZOMJL)
    14 BZ(I,J) = BZOMJL*10.0
    15 RHOOUT(J) = RHO
    17 RHO = RHO+DELRHO
    19 ETAOUT(I) = ETA
    21 ETA = ETA + DELETA
C IF CORRECTIONS TO BE INSERTED KSW=1, IF NOT KSW=2
    22 READ(5,105) KSW,NEDGE
   105 FORMAT(2I5)
   223 GO TO (224,23), KSW
   224 DO 226 N=1,NEDGE
   225 READ (5,110) BIN,I,J
   110 FORMAT(F10.5,2I5)
   226 BZ(I,J) = BIN
    23 WRITE (6,200) ALPHA
   200 FORMAT(1H1 36X 57HDIMENSIONLESS AXIAL MAGNETIC FIELD OF A SOLID FI
  2001NITE CONE /1H0 56X 16H(BZ/(MU*J*L))*10 /1H0 59X 7HALPHA = F5.1)
    25 WRITE (6,205) (RHOOUT(J),J=1,NRHO)
   205 FORMAT(1H0 5X 5HRHO = F4.2, 10F11.2)
    27 WRITE (6,210)
   210 FORMAT(1H0 2X 3HETA)
    29 DO 39  I=1,NETA
    31 IF (MOD(I+4,5)) 37,33,37
    33 WRITE (6,215) ETAOUT(I), (BZ(I,J),J=1,NRHO)
    35 GO TO 39
    37 WRITE (6,220) ETAOUT(I), (BZ(I,J),J=1,NRHO)
    39 CONTINUE
   215 FORMAT(1H0 F5.2, 11F11.5)
   220 FORMAT(1H  F5.2, 11F11.5)
    41 GO TO 3
       END
```

```
$IBFTC BZSIGD  LIST,REF,DECK
C SUBROUTINE TO EVALUATE BZOMJL USING SINGLE INTEGRAL, GAUSSIAN
C  INTEGRATION, AND DOUBLE PRECISION ARITHMETIC
      SUBROUTINE BZSIGD (ALPHAD, ZOL, ROLTNA, NGS, BZOMJL)
     1 COMMON/GAUSS/XNU, OMEGA
     3 DIMENSION XNU(100), OMEGA(100), PHI(100), INT1(100),INT2(100)
     5 DOUBLE PRECISION XNU,OMEGA,PHI,NU,RHO,ALPHA,SINA,COSA,COTA,SINASQ,
    51COSASQ,COTASQ,T1,T2,T3,T4,T5,T6,T7,T8,T9,T10,T11,T12,T13,SUM1,SUM2
    52,S1,S2,S3,S4,S5,S6,S7,S8,S9,T1I1,T2I1,T3I1,INT1,S10,S11,A,B,C,KSQ,
    53S13,S14,SIGN,BETA1,BETA2,GAMMA1,GAMMA2,DELTA1,DELTA2,S15,S16,S17,
    54S18,S19,S20,S21,T1I2,T2I2,T3I2,T4I2,INT2,R1,R2,R3,R4,R5,R6
      DOUBLE PRECISION S22, S23, S24, S25, S26, S27,S12
     7 NU = ZOL
     9 RHO = ROLTNA
    11 ALPHA = .01745329251994329 6*DBLE(ALPHAD)
    13 SINA = DSIN(ALPHA)
    15 COSA = DCOS(ALPHA)
    17 COTA = COSA/SINA
    19 SINASQ = SINA**2
    21 COSASQ = COSA**2
    23 COTASQ = COTA**2
    25 T1 = COSASQ*SINA
    27 T2 = NU-1.0D0
    29 T3 = NU**2
    31 T4 = T3*COTASQ
    33 T5 = RHO**2
    35 T6 = DSQRT(T4+T5)
    37 T7 = 1.0D0+T5
    39 T8 = T7+T4
    41 T9 = NU*T5
    43 IF(DABS(NU)-.000001) 47,47,45
    45 T10 = NU/DABS(NU)
    47 T11 = RHO/COTA
    49 T12 = COTA*DABS(NU)
    51 T13 = DSQRT(COTASQ*T2*T2+T5)
    53 IF(DABS(RHO)-.000001) 167,167,55
    55 SUM1 = 0.
    57 SUM2 = 0.
    59 DO 161 I=1,NGS
    61 PHI(I) = 1.570796326794896 6*(XNU(I)+1.0D0)
    63 S1 = DSIN(PHI(I))
    65 S2 = DCOS(PHI(I))
    67 S3 = RHO*S1
    69 S4 = RHO*S2
    71 S5 = S3*S3
    73 S6 = 1.0D0-S4
    75 S7 = 2.0D0*S4
    77 S8 = DSQRT(T8-S7)
    79 S9 = T7-S7
    81 IF(DABS(NU)-.000001) 83,83,91
    83 T1I1 = 0.0D0
    85 T2I1 = 0.0D0
    87 T3I1 = 0.0D0
    89 GO TO  97
    91 T1I1 = NU*DLOG((S6+S8)/(T6-S4))
    93 T2I1 = S4*T10*DLOG(((S8-T12)/ (S8+T12))/((T6-T12)/(T6+T12)))/2.0D0
   931/COTA
    95 T3I1 = (T10*S3/COTA)*(DATAN2((S6*T12),(S3*S8))-DATAN2((-S4*T12),
   951(S3*T6)))
    97 INT1(I) = T1I1+T2I1-T3I1
    99 SUM1 = SUM1+INT1(I)*OMEGA(I)
```

```
 101 S10 = S4+T2
 103 S11 = T2+S7
 105 A = 1.0D0/SINASQ
 107 B = COTASQ*S10
 109 C = B*S10+S5
 111 S12 = A*S3
 113 S13 = B*S3
 115 S14 = C-S12*S3
 117 KSQ = DSQRT(S14*S14+4.0D0*S13*S13)
 119 SIGN = B*S3
 121 BETA1 = DSQRT(0.5D0*(KSQ+S14))
 123 BETA2 = DSQRT(0.5D0*(KSQ-S14))
 125 IF(SIGN.LT.0.0) BETA2=-BETA2
 127 GAMMA1 = (S12*BETA2+B*BETA1)/KSQ
 129 GAMMA2 = (S12*BETA1-B*BETA2)/KSQ
 131 DELTA1 = (S13*BETA2+C*BETA1)/KSQ
 133 DELTA2 = (S13*BETA1-C*BETA2)/KSQ
 135 S15 = S10*COTASQ
 137 S16 = T2*S4+T5*(1.0D0-2.0D0*S1*S1)
 139 S17 = S3*S11
 141 S18 = GAMMA1*S6+DELTA1-S8
 143 S19 = GAMMA2*S6+DELTA2
 145 S20 = -S4*GAMMA1+DELTA1-T13
 147 S21 = -S4*GAMMA2+DELTA2
 149 T1I2 = SINASQ*(S8-T13)
 151 T2I2 =(S11*SINA-S10*T1 )        *DLOG((S15+A*S6+S8/SINA)/(S15-A*S4+
 1511T13/SINA))
1531 S22 =(DLOG(((S18**2+S19**2)/S9)/((S20**2+S21**2)/T5)))/(2.0D0*KSQ)
1533 S23 =(DATAN2(S3,S6)+DATAN2(S19,S18)-DATAN2(S1,-S2)-DATAN2(S21,S20)
15331)/KSQ
1535 T3I2 = S16*(BETA1*S22+BETA2*S23)
1536 S27 = BETA1*S23-BETA2*S22
1537 T4I2 = S17*S27
 157 INT2(I) = T1I2+T2I2+T3I2-T4I2
 159 SUM2 = SUM2+ INT2(I)*OMEGA(I)
 161 CONTINUE
 163 BZOMJL = (SUM1-SUM2)/4.0D0
 165 RETURN
 167 IF(DABS(NU)-.000001)169,169,173
 169 BZOMJL = 0.5D0*SINA*(SINASQ*DLOG((1.0D0+SINA)/(COTA*(1.0D0-COSA)))
 1691-SINA+COSA)
 171 GO TO 165
 173 IF(DABS(NU-1.0D0)-.000001)175,175,179
 175 BZOMJL = 0.5D0*(-SINA+DLOG(1.0D0/COTA+1.0D0/COSA))
 177 GO TO 165
 179 R1 = DSQRT(T4+1.0D0)
 181 R2 = -T2*COTA
 183 R3 = R2*COSA
 185 R4 = -T2*SINA*DLOG((R1+1.0D0/SINA-R3)/(DABS(R2)-R3))
 187 R5 = R1-DABS(R2)
 189 R6 = NU*DLOG((1.0D0+R1)/DABS(NU*COTA))
 191 BZOMJL =0.5D0*(SINASQ*(R4-R5)+R6)
 193 GO TO 165
     END
```

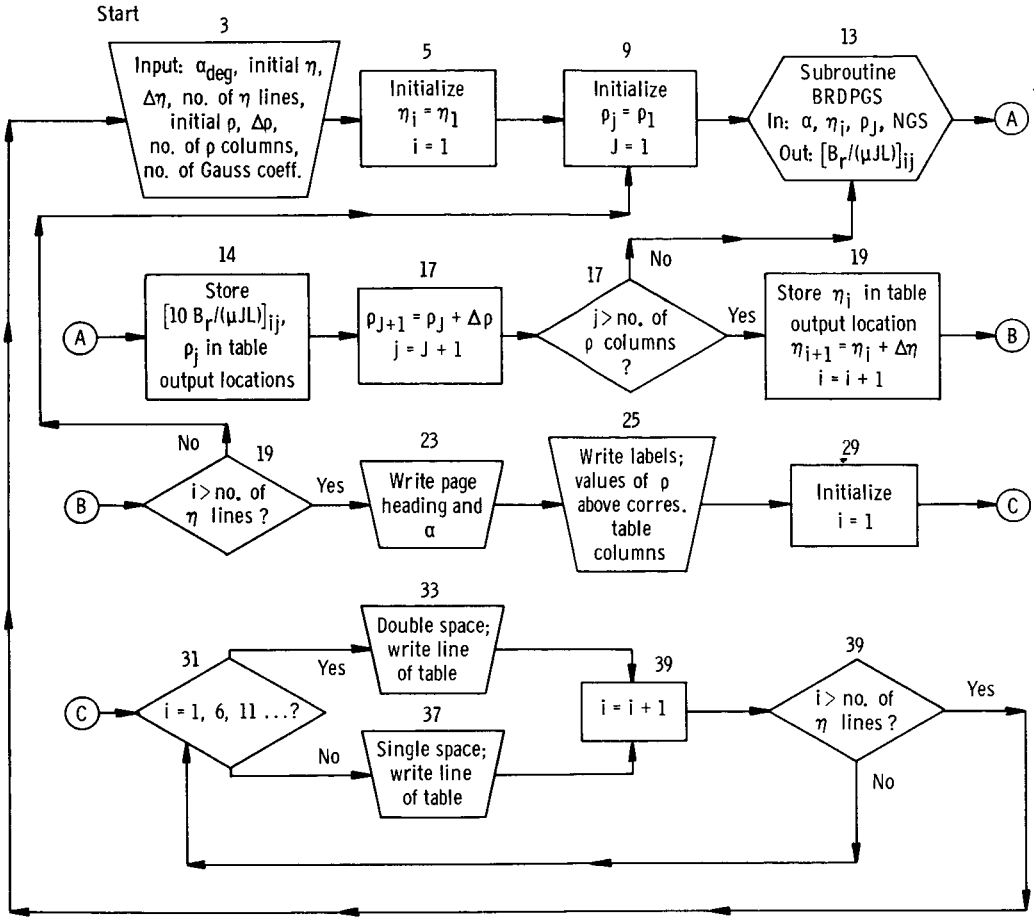
```
$IBFTC GSDP96  LIST,REF,DECK
    *  BLOCK DATA
       COMMON/GAUSS/XNU,OMEGA
       DOUBLE PRECISION XNU(100), OMEGA(100)
       DATA (XNU(I), I=1,56)/ .016276744849602970, -.016276744849602970,
      1 .048812985136049731, -.048812985136049731,  .081297495464425559,
      2-.081297495464425559,  .11369585011066592,  -.11369585011066592,
      3 .14597371465489694,  -.14597371465489694,   .17809688236761860,
      4-.17809688236761860,   .21003131046056720, -.21003131046056720,
      5 .24174315616384001,  -.24174315616384001,   .27319881259104914,
      6-.27319881259104914,   .30436494435449635, -.30436494435449635,
      7 .33520852289262542,  -.33520852289262542,   .36569686147231364,
      8-.36569686147231364,   .39579764982890860, -.39579764982890860,
      9 .42547898840730055,  -.42547898840730055,   .45470942216774301,
      1-.45470942216774301,   .48345797392059636, -.48345797392059636,
      2 .51169417715466767,  -.51169417715466767,   .53938810832435744,
      3-.53938810832435744,   .56651041856139717, -.56651041856139717,
      4 .59303236477757208,  -.59303236477757208,   .61892584012546857,
      5-.61892584012546857,   .64416340378496711, -.64416340378496711,
      6 .66871831004391615,  -.66871831004391615,   .69256453664217156,
      7-.69256453664217156,   .71567681234896763, -.71567681234896763,
      8 .73803064374440013,  -.73803064374440013,   .75960234117664750,
      9-.75960234117664750,   .78036904386743322, -.78036904386743322/
       DATA (XNU(I),I=57,96)/ .80030874413914082, -.80030874413914082,
      1 .81940031073793168,  -.81940031073793168,   .83762351122818712,
      2-.83762351122818712,   .85495903343460146, -.85495903343460146,
      3 .87138850590929650,  -.87138850590929650,   .88689451740242042,
      4-.88689451740242042,   .90146063531585234, -.90146063531585234,
      5 .91507142312089807,  -.91507142312089807,   .92771245672230869,
      6-.92771245672230869,   .93937033975275522, -.93937033975275522,
      7 .95003271778443764,  -.95003271778443764,   .95968829144874254,
      8-.95968829144874254,   .96832682846326421, -.96832682846326421,
      9 .97593917458513647,  -.97593917458513647,   .98251726356301468,
      1-.98251726356301468,   .98805412632962380, -.98805412632962380,
      2 .99254390032376262,  -.99254390032376262,   .99598184298720929,
      3-.99598184298720929,   .99836437586318168, -.99836437586318168,
      4 .99968950388323077,  -.99968950388323077/
       DATA (OMEGA(I),I=1,38)/ 2*.032550614492363166,
      12*.032516118713868836,  2*.032447163714064269,
      22*.032343822568575928,  2*.032206204794030251,
      32*.032034456231992663,  2*.031828758894411007,
      42*.031589330770727169,  2*.031316425596861356,
      52*.031010332586313837,  2*.030671376123669149,
      62*.030299915420827594,  2*.029896344136328386,
      72*.029461089958167906,  2*.028994614150555237,
      82*.028497411065085386,  2*.027970007616848334,
      92*.027412962726029243,  2*.026826866725591762/
       DATA (OMEGA(I),I=39,96)/ 2*.026212340735672414,
      12*.025570036005349361,   2*.024900633222483610,
      22*.024204841792364691,   2*.023483399085926220,
      32*.022737069658329374,   2*.021966644438744349,
      42*.021172939892191299,   2*.020356797154333325,
      52*.019519081140145022,   2*.018660679627411467,
      62*.017782502316045261,   2*.016885479864245172,
      72*.015970562902562291,   2*.015038721026994938,
      82*.014090941772314861,   2*.013128229566961573,
      92*.012151604671088320,   2*.011162102099838499,
      12*.010160770535008415,   2*.009148671230783386,
      22*.008126876925698759,   2*.007096470791153865,
      32*.006058545504235961,   2*.005014202742927517,
      42*.003964554338446867,   2*.002910731817934946,
      52*.001853960788946921,   2*.000796792065552012 43/
       END
```

```
$IBFTC GSDP48  LIST,REF,DECK
      BLOCK DATA
      COMMON/GAUSS/XNU,OMEGA
      DOUBLE PRECISION XNU(100), OMEGA(100)
      DATA (XNU(I), I=1,48)/ .032380170962869362, -.032380170962869362,
     1.097004699209462699, -.097004699209462699, .16122235606889172,
     2-.16122235606889172,  .22476379039468906, -.22476379039468906,
     3 .28736248735545558,-.28736248735545558,  .34875588629216074,
     4-.34875588629216074,  .40868648199071673, -.40868648199071673,
     5 .46690290475095840, -.46690290475095840,  .52316097472223303,
     6-.52316097472223303,  .57722472608397270, -.57722472608397270,
     7 .62886739677651362, -.62886739677651362,  .67787237963266391,
     8-.67787237963266391,  .72403413092381465, -.72403413092381465,
     9 .76715903251574034, -.76715903251574034,  .80706620402944263,
     1-.80706620402944263,  .84358826162439353, -.84358826162439353,
     2 .87657202027424789, -.87657202027424789,  .90587913671556967,
     3-.90587913671556967,  .93138669070655433, -.93138669070655433,
     4 .95298770316043086, -.95298770316043086,  .97059159254624725,
     5-.97059159254624725,  .98412458372282686, -.98412458372282686,
     6 .99353017226635076, -.99353017226635076,  .998771007252426l2,
     7-.998771007252426l2/
      DATA(OMEGA(I),I=1,48)/  2*.064737696812683923,
     12*.064466164435950082,  2*.063924238584648187,
     22*.063114192286254026,  2*.062039423159892664,
     32*.060704439165893880,  2*.059114839698395636,
     42*.057277292100403216,  2*.055199503699984163,
     52*.052890189485193667,  2*.050359035553854475,
     62*.047616658492490475,  2*.044674560856694280,
     72*.041545082943464749,  2*.038241351065830706,
     82*.034777222564770439,  2*.031167227832798089,
     92*.027426509708356948,  2*.023570760839324379,
     12*.019616160457355528,  2*.015579315722943849,
     22*.011477234579234539l, 2*.007327553901276262l,
     32*.003153346052305838l/
      END
```

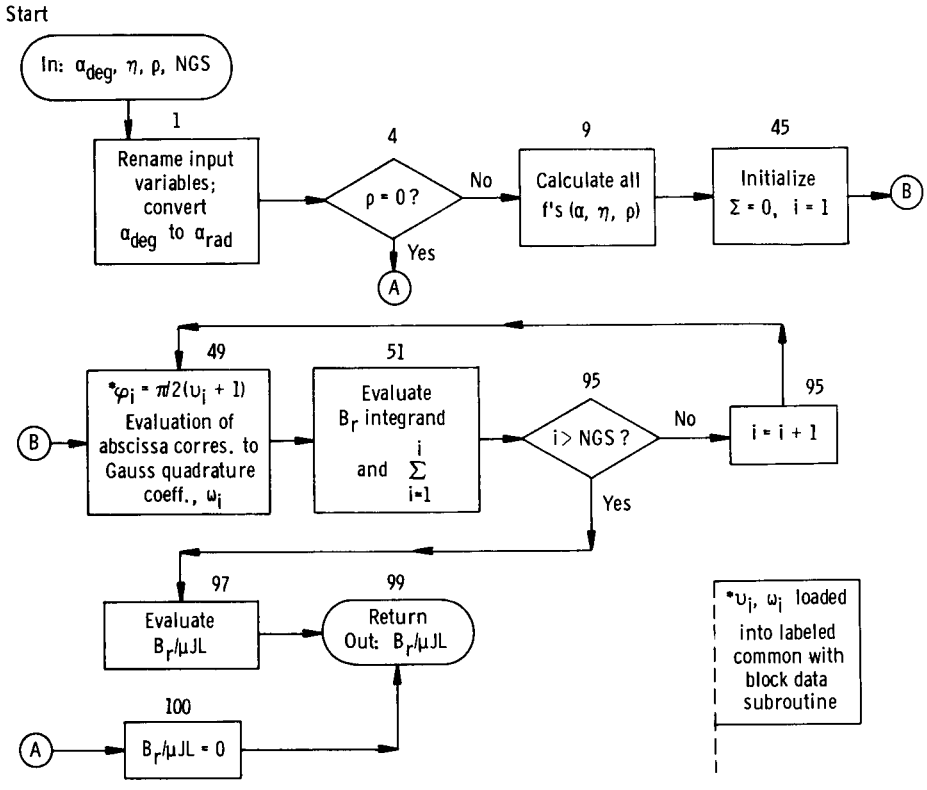
```
$IBFTC BRSUP   LIST,REF,DECK
C SUPERPOSITION METHOD TO EVALUATE BR FIELD OF A HOLLOW CONE OR FRUSTRUM
    1  REAL L1, L2, L3, L4, L1TNA, L2TNA, L3TNA, L4TNA
    3 READ(5,500) RI, T, H, ALPHAD, NFPTS, NGS, KSW
  500 FORMAT(4F10.5,3I5)
C KSW=0 EVALUATE HOLLOW FRUSTRUM, KSW.NE.0 EVALUATE HOLLOW CONE ONLY
C IF DOING CONE CALCULATIONS, H IS NOT USED AND MAY BE READ IN AS 0.0
    5 ALPHA = .0174532925*ALPHAD
    7 TANA = SIN(ALPHA)/COS(ALPHA)
    9 COTA = 1.0/TANA
   11 L1TNA = RI+T
   13 L2TNA = RI
   15 L1 = L1TNA*COTA
   17 L2 = L2TNA*COTA
   19 IF(KSW.EQ.0) GO TO 25
   21 WRITE (6,700) ALPHAD, RI, T, L1, L2, NGS
   23 GO TO 35
   25 L3 = L1-H
   27 L4 = L2-H
   29 L4TNA = RI-H*TANA
   31 L3TNA = L4TNA+T
   33 WRITE (6,600) ALPHAD, RI, T, H, L4TNA, L1, L2, L3, L4, NGS
   35 DO 83 I=1,NFPTS
   37 READ(5,505) R0,Z0
  505 FORMAT(2F10.5)
   39 RH01 = R0/L1TNA
   41 RH02 = R0/L2TNA
   43 ETA1 = Z0/L1
   45 ETA2 = Z0/L2
   47 CALL BRDPGS(ALPHAD,ETA1,RH01,NGS,BRC1)
   49 CALL BRDPGS(ALPHAD,ETA2,RH02,NGS,BRC2)
   51 BR1 = BRC1*L1
   53 BR2 = BRC2*L2
   55 BRHC = BR1-BR2
   57 IF(KSW.EQ.0) GO TO 63
   59 WRITE (6,705) R0, Z0, BRHC
   61 GO TO 83
   63 RH03 = R0/L3TNA
   65 RH04 = R0/L4TNA
   67 ETA3 = (Z0-H)/L3
   69 ETA4 = (Z0-H)/L4
   71 CALL BRDPGS (ALPHAD,ETA3,RH03,NGS,BRC3)
   73 CALL BRDPGS (ALPHAD,ETA4,RH04,NGS,BRC4)
   75 BR3 = BRC3*L3
   77 BR4 = BRC4*L4
   79 BRFR = BRHC-BR3+BR4
   81 WRITE (6,605) R0, Z0, BRFR
   83 CONTINUE
   85 GO TO 3
  700 FORMAT(1H1 37X 55HBR COMPONENT OF THE MAGNETIC FIELD DUE TO A HOLL
     10W CONE/1H0 58X 14HCONE CONSTANTS/1H0 15X 6HALPHA=F6.1, 8X 3HRI=
     2F8.4, 8X 2HT=F8.4, 8X 3HL1=F8.4, 8X 3HL2=F8.4, 8X 4HNGS=I2/1H0 29X
     32HR0 33X 2HZ0 29X 14HCONE BR/(MU*J) )
  705 FORMAT(1H  3F35.6)
  600 FORMAT(1H1 35X 59HBR COMPONENT OF THE MAGNETIC FIELD DUE TO A HOLL
     10W FRUSTRUM/1H0 56X 18HFRUSTRUM CONSTANTS/1H0 14X 6HALPHA=F6.2, 12
     2X 3HRI=F8.4, 12X 2HT=F8.4, 12X 2HH=F8.4, 12X 3HR4=F8.4/1H 17X 3HL1
     3=F8.4, 12X 3HL2=F8.4, 12X 3HL3=F8.4, 12X 3HL4=F8.4, 12X 4HNGS= I2
     4/1H0 29X 2HR0 33X 2HZ0 27X 18HFRUSTRUM BR/(MU*J) )
  605 FORMAT(1H 3F35.6)
      END
```

```
$IBFTC BZSUP   LIST,REF,DECK
C SUPERPOSITION METHOD TO EVALUATE BZ FIELD OF A HOLLOW CONE OR FRUSTRUM
      1  REAL L1, L2, L3, L4, L1TNA, L2TNA, L3TNA, L4TNA
      3 READ(5,500) RI, T, H, ALPHAD, NFPTS, NGS, KSW
  500 FORMAT(4F10.5,3I5)
C KSW=0 EVALUATE HOLLOW FRUSTRUM, KSW.NE.0 EVALUATE HOLLOW CONE ONLY
C IF DOING CONE CALCULATIONS, H IS NOT USED AND MAY BE READ IN AS 0.0
      5 ALPHA = .0174532925*ALPHAD
      7 TANA = SIN(ALPHA)/COS(ALPHA)
      9 COTA = 1.0/TANA
     11 L1TNA = RI+T
     13 L2TNA = RI
     15 L1 = L1TNA*COTA
     17 L2 = L2TNA*COTA
     19 IF(KSW.EQ.0) GO TO 25
     21 WRITE (6,700) ALPHAD, RI, T, L1, L2, NGS
     23 GO TO 35
     25 L3 = L1-H
     27 L4 = L2-H
     29 L4TNA = RI-H*TANA
     31 L3TNA = L4TNA+T
     33 WRITE (6,600) ALPHAD, RI, T, H, L4TNA, L1, L2, L3, L4, NGS
     35 DO 83 I=1,NFPTS
     37 READ(5,505) R0,Z0
  505 FORMAT(2F10.5)
     39 RHO1 = R0/L1TNA
     41 RHO2 = R0/L2TNA
     43 ETA1 = Z0/L1
     45 ETA2 = Z0/L2
     47 CALL BZSIGD(ALPHAD,ETA1,RHO1,NGS,BZC1)
     49 CALL BZSIGD(ALPHAD,ETA2,RHO2,NGS,BZC2)
     51 BZ1 = BZC1*L1
     53 BZ2 = BZC2*L2
     55 BZHC = BZ1-BZ2
     57 IF(KSW.EQ.0) GO TO 63
     59 WRITE (6,705) R0, Z0, BZHC
     61 GO TO 83
     63 RHO3 = R0/L3TNA
     65 RHO4 = R0/L4TNA
     67 ETA3 = (Z0-H)/L3
     69 ETA4 = (Z0-H)/L4
     71 CALL BZSIGD (ALPHAD,ETA3,RHO3,NGS,BZC3)
     73 CALL BZSIGD (ALPHAD,ETA4,RHO4,NGS,BZC4)
     75 BZ3 = BZC3*L3
     77 BZ4 = BZC4*L4
     79 BZFR = BZHC-BZ3+BZ4
     81 WRITE (6,605) R0, Z0, BZFR
     83 CONTINUE
     85 GO TO 3
  700 FORMAT(1H1 37X 55HBZ COMPONENT OF THE MAGNETIC FIELD DUE TO A HOLL
     10W CONE/1H0 58X 14HCONE CONSTANTS/1H0 15X 6HALPHA=F6.1, 8X 3HRI=
     2F8.4, 8X 2HT=F8.4, 8X 3HL1=F8.4, 8X 3HL2=F8.4, 8X 4HNGS=I2/1H0 29X
     32HR0 33X 2HZ0 29X 14HCONE BZ/(MU*J) )
  705 FORMAT(1H  3F35.6)
  600 FORMAT(1H1 35X 59HBZ COMPONENT OF THE MAGNETIC FIELD DUE TO A HOLL
     10W FRUSTRUM/1H0 56X 18HFRUSTRUM CONSTANTS/1H0 14X 6HALPHA=F6.2, 12
     2X 3HRI=F8.4, 12X 2HT=F8.4, 12X 2HH=F8.4, 12X 3HR4=F8.4/1H 17X 3HL1
     3=F8.4, 12X 3HL2=F8.4, 12X 3HL3=F8.4, 12X 3HL4=F8.4, 12X 4HNGS= I2
     4/1H0 29X 2HR0 33X 2HZ0 27X 18HFRUSTRUM BZ/(MU*J) )
  605 FORMAT(1H 3F35.6)
      END
```

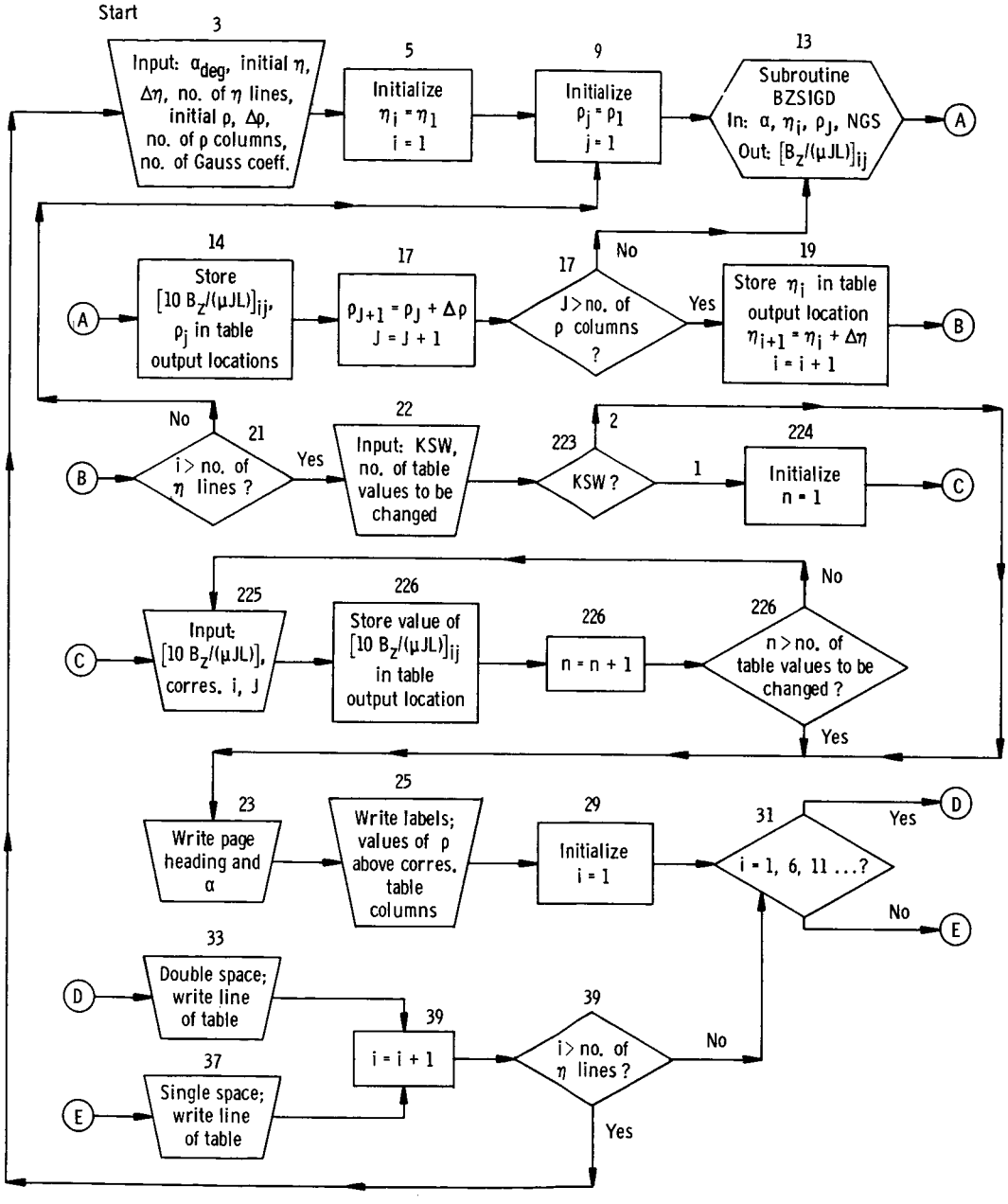
BRMAIN


Start
3
Input: α_{deg}, initial η, $\Delta\eta$, no. of η lines, initial ρ, $\Delta\rho$, no. of ρ columns, no. of Gauss coeff.
5
Initialize $\eta_i = \eta_1$ i = 1
9
Initialize $\rho_j = \rho_1$ J = 1
13
Subroutine BRDPGS In: α, η_i, ρ_J, NGS Out: $[B_r/(\mu JL)]_{ij}$
A
14
Store $[10\ B_r/(\mu JL)]_{ij}$, ρ_j in table output locations
17
$\rho_{J+1} = \rho_J + \Delta\rho$ j = J + 1
17
j > no. of ρ columns ?
No
Yes
19
Store η_i in table output location $\eta_{i+1} = \eta_i + \Delta\eta$ i = i + 1
B
No
19
i > no. of η lines ?
Yes
23
Write page heading and α
25
Write labels; values of ρ above corres. table columns
29
Initialize i = 1
C
31
i = 1, 6, 11 ...?
Yes
33
Double space; write line of table
No
37
Single space; write line of table
39
i = i + 1
39
i > no. of η lines ?
Yes
No

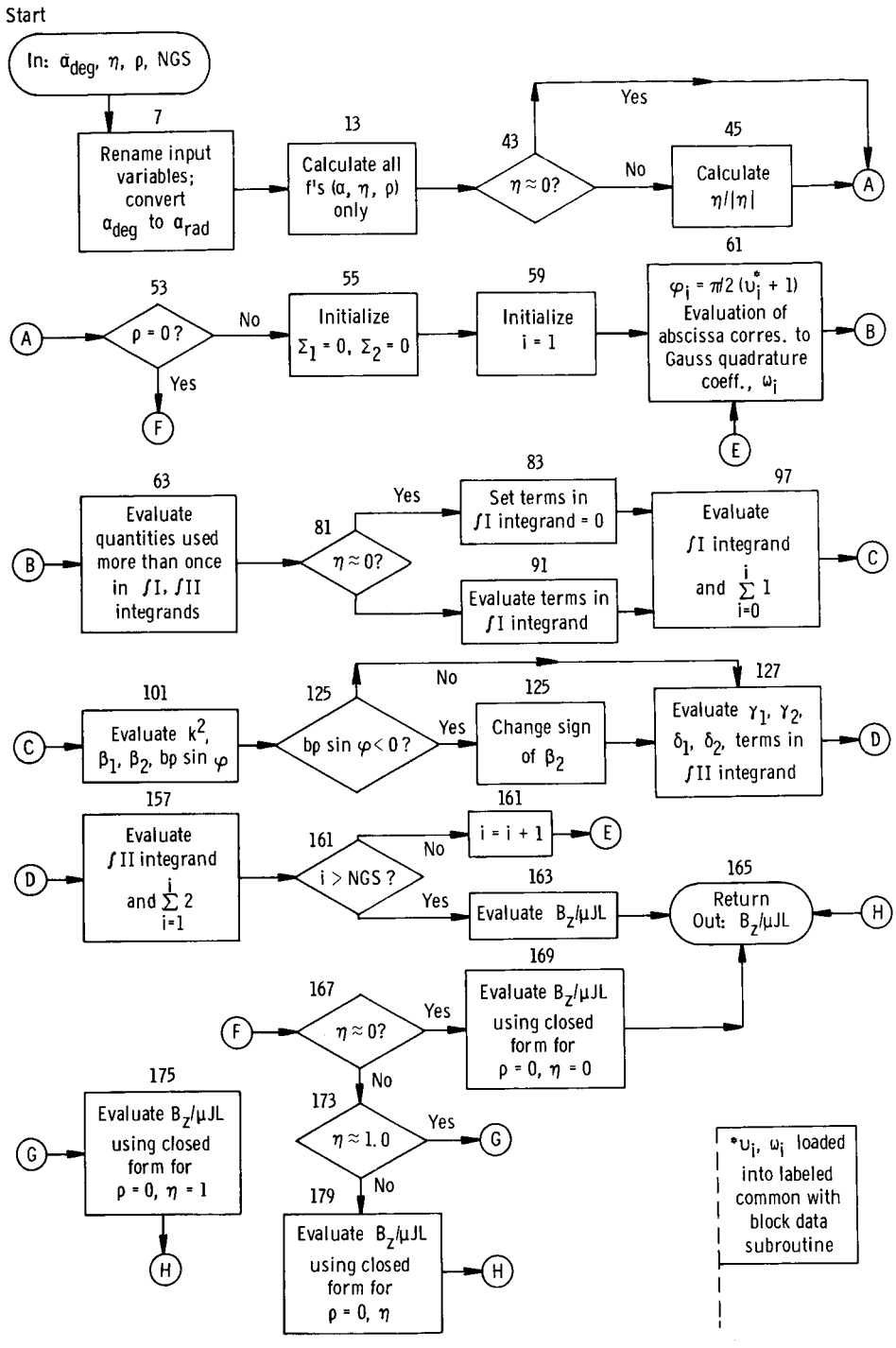
SUBROUTINE BRDPGS



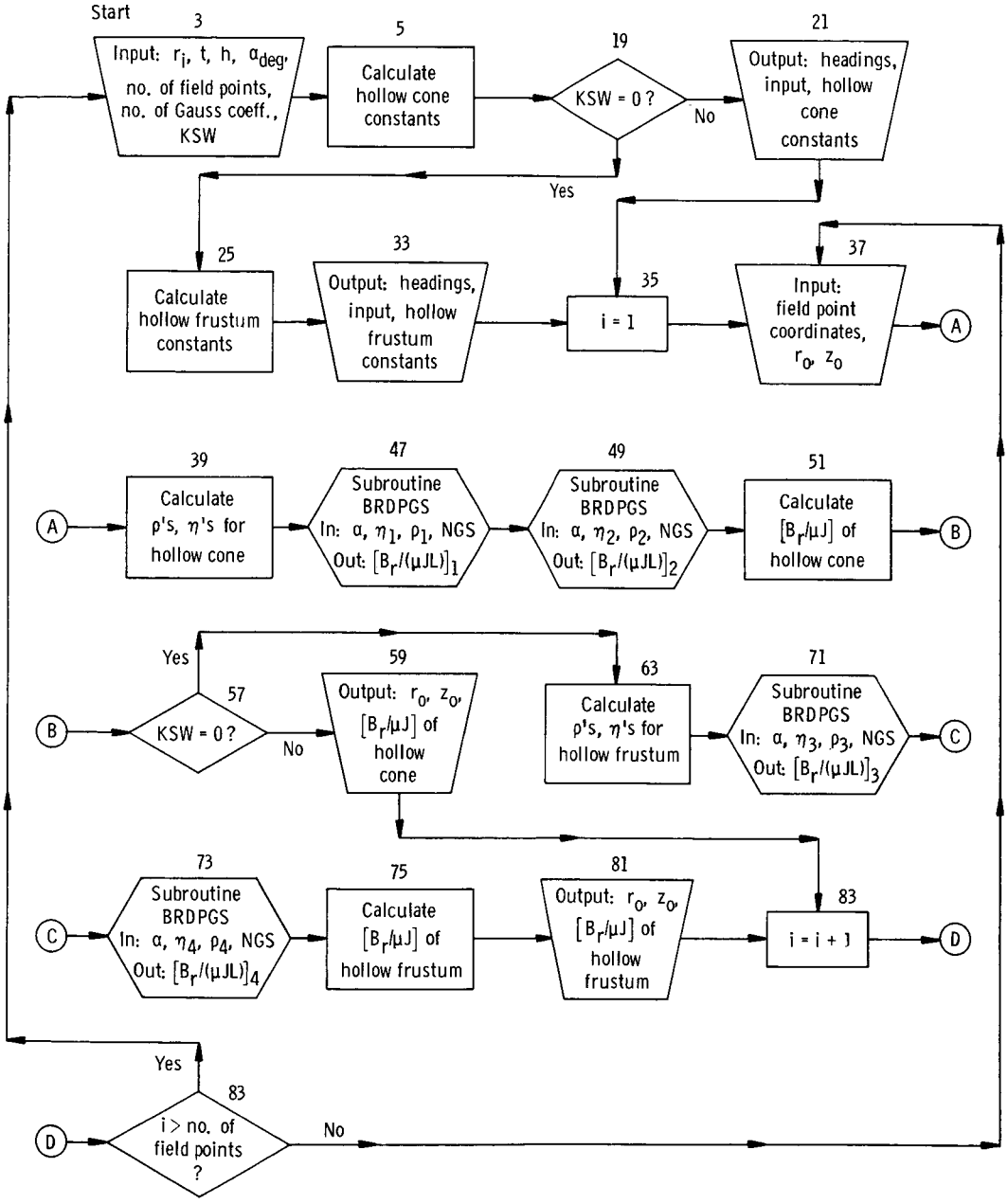
BZMAIN


Start
3
Input: α_{deg}, initial η, $\Delta\eta$, no. of η lines, initial ρ, $\Delta\rho$, no. of ρ columns, no. of Gauss coeff.
5
Initialize $\eta_i = \eta_1$ i = 1
9
Initialize $\rho_j = \rho_1$ j = 1
13
Subroutine BZSIGD In: α, η_i, ρ_J, NGS Out: $[B_z/(\mu JL)]_{ij}$
A
14
Store $[10\ B_z/(\mu JL)]_{ij}$, ρ_j in table output locations
17
$\rho_{J+1} = \rho_J + \Delta\rho$ J = J + 1
17
J > no. of ρ columns ?
No
Yes
19
Store η_i in table output location $\eta_{i+1} = \eta_i + \Delta\eta$ i = i + 1
B
21
i > no. of η lines ?
No
Yes
22
Input: KSW, no. of table values to be changed
223
KSW ?
2
1
224
Initialize n = 1
C
225
Input: $[10\ B_z/(\mu JL)]$, corres. i, J
226
Store value of $[10\ B_z/(\mu JL)]_{ij}$ in table output location
226
n = n + 1
226
n > no. of table values to be changed ?
No
Yes
23
Write page heading and α
25
Write labels; values of ρ above corres. table columns
29
Initialize i = 1
31
i = 1, 6, 11 ...?
Yes
No
D
E
33
Double space; write line of table
37
Single space; write line of table
39
i = i + 1
39
i > no. of η lines ?
No
Yes

SUBROUTINE BZSIGD



BRSUP


Start
3
Input: r_i, t, h, α_{deg}, no. of field points, no. of Gauss coeff., KSW
5
Calculate hollow cone constants
19
KSW = 0 ?
No
21
Output: headings, input, hollow cone constants
Yes
25
Calculate hollow frustum constants
33
Output: headings, input, hollow frustum constants
35
i = 1
37
Input: field point coordinates, r_0, z_0
A
39
Calculate ρ's, η's for hollow cone
47
Subroutine BRDPGS In: α, η_1, ρ_1, NGS Out: $[B_r/(\mu JL)]_1$
49
Subroutine BRDPGS In: α, η_2, ρ_2, NGS Out: $[B_r/(\mu JL)]_2$
51
Calculate $[B_r/\mu J]$ of hollow cone
B
Yes
57
KSW = 0 ?
No
59
Output: r_0, z_0, $[B_r/\mu J]$ of hollow cone
63
Calculate ρ's, η's for hollow frustum
71
Subroutine BRDPGS In: α, η_3, ρ_3, NGS Out: $[B_r/(\mu JL)]_3$
C
73
Subroutine BRDPGS In: α, η_4, ρ_4, NGS Out: $[B_r/(\mu JL)]_4$
75
Calculate $[B_r/\mu J]$ of hollow frustum
81
Output: r_0, z_0, $[B_r/\mu J]$ of hollow frustum
83
i = i + 1
D
Yes
83
i > no. of field points ?
No

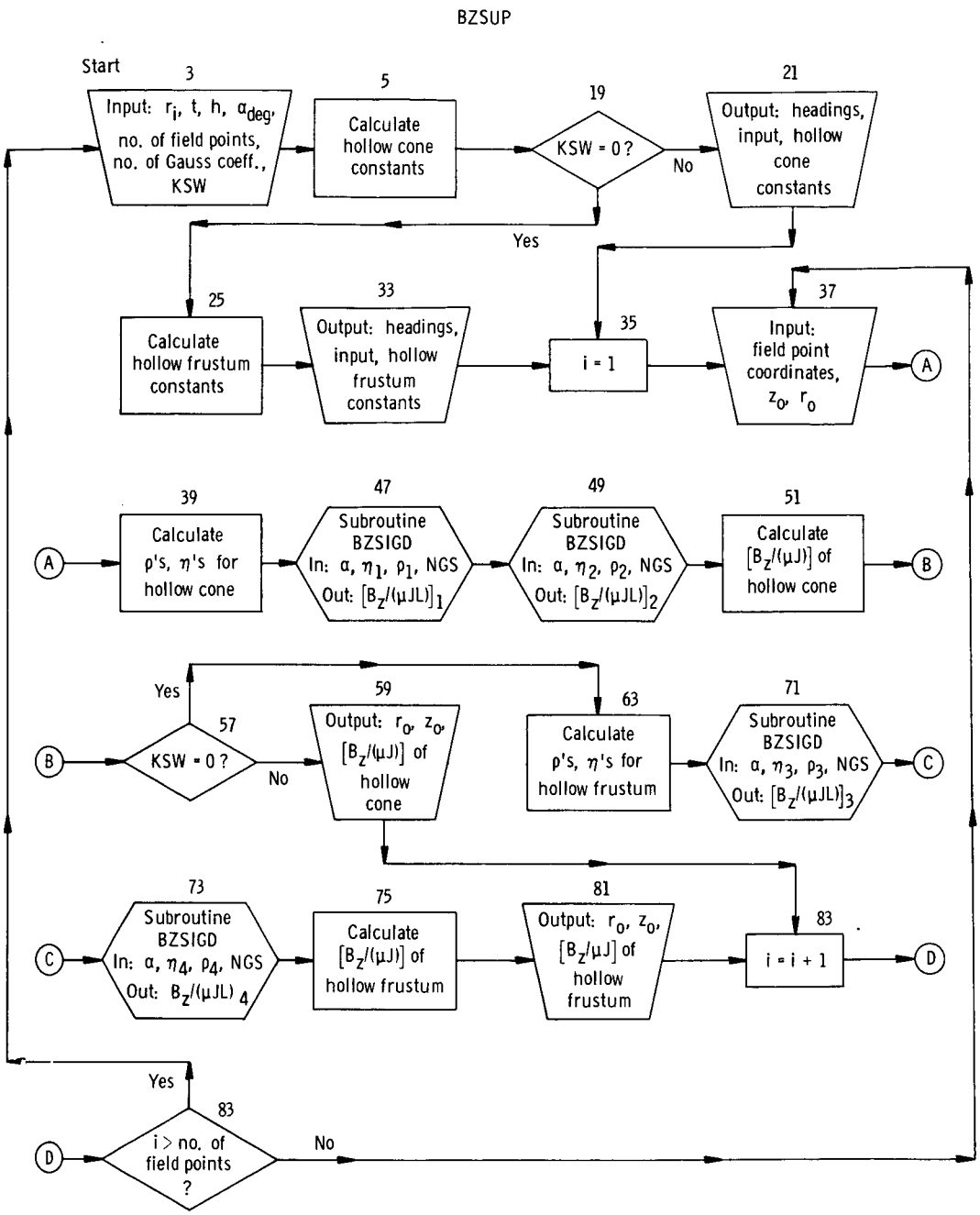

BZSUP
Start
3
Input: r_i, t, h, α_{deg}, no. of field points, no. of Gauss coeff., KSW
5
Calculate hollow cone constants
19
KSW = 0 ?
No
21
Output: headings, input, hollow cone constants
Yes
25
Calculate hollow frustum constants
33
Output: headings, input, hollow frustum constants
35
i = 1
37
Input: field point coordinates, z_0, r_0
A
39
Calculate ρ's, η's for hollow cone
47
Subroutine BZSIGD In: α, η_1, ρ_1, NGS Out: $[B_z/(\mu JL)]_1$
49
Subroutine BZSIGD In: α, η_2, ρ_2, NGS Out: $[B_z/(\mu JL)]_2$
51
Calculate $[B_z/(\mu J)]$ of hollow cone
B
Yes
57
KSW = 0 ?
No
59
Output: r_0, z_0, $[B_z/(\mu J)]$ of hollow cone
63
Calculate ρ's, η's for hollow frustum
71
Subroutine BZSIGD In: α, η_3, ρ_3, NGS Out: $[B_z/(\mu JL)]_3$
C
73
Subroutine BZSIGD In: α, η_4, ρ_4, NGS Out: $B_z/(\mu JL)_4$
75
Calculate $[B_z/(\mu J)]$ of hollow frustum
81
Output: r_0, z_0, $[B_z/\mu J]$ of hollow frustum
83
i = i + 1
D
Yes
83
i > no. of field points ?
No

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TABLE I. - DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(a) Half cone angle, 15.0.

Dimensionless axial position, ζ	Dimensionless radius, ρ										
	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50
-1.00	0.	-0.00008	-0.00017	-0.00025	-0.00034	-0.00042	-0.00050	-0.00058	-0.00066	-0.00074	-0.00082
-0.95	0.	-0.00010	-0.00020	-0.00030	-0.00040	-0.00050	-0.00060	-0.00069	-0.00079	-0.00088	-0.00097
-0.90	0.	-0.00012	-0.00024	-0.00036	-0.00048	-0.00060	-0.00072	-0.00083	-0.00094	-0.00105	-0.00116
-0.85	0.	-0.00015	-0.00029	-0.00044	-0.00058	-0.00073	-0.00087	-0.00101	-0.00114	-0.00127	-0.00140
-0.80	0.	-0.00018	-0.00036	-0.00054	-0.00071	-0.00089	-0.00106	-0.00123	-0.00139	-0.00155	-0.00171
-0.75	0.	-0.00022	-0.00044	-0.00066	-0.00088	-0.00110	-0.00131	-0.00152	-0.00172	-0.00192	-0.00211
-0.70	0.	-0.00028	-0.00056	-0.00083	-0.00110	-0.00137	-0.00163	-0.00189	-0.00214	-0.00239	-0.00262
-0.65	0.	-0.00035	-0.00070	-0.00105	-0.00140	-0.00174	-0.00207	-0.00239	-0.00271	-0.00301	-0.00330
-0.60	0.	-0.00045	-0.00091	-0.00135	-0.00180	-0.00223	-0.00265	-0.00307	-0.00346	-0.00385	-0.00422
-0.55	0.	-0.00059	-0.00118	-0.00177	-0.00235	-0.00291	-0.00346	-0.00399	-0.00450	-0.00500	-0.00546
-0.50	0.	-0.00079	-0.00158	-0.00236	-0.00312	-0.00387	-0.00459	-0.00529	-0.00596	-0.00659	-0.00719
-0.45	0.	-0.00108	-0.00215	-0.00320	-0.00423	-0.00524	-0.00621	-0.00714	-0.00803	-0.00887	-0.00965
-0.40	0.	-0.00150	-0.00299	-0.00445	-0.00588	-0.00726	-0.00860	-0.00986	-0.01106	-0.01218	-0.01321
-0.35	0.	-0.00214	-0.00426	-0.00635	-0.00838	-0.01033	-0.01219	-0.01396	-0.01560	-0.01712	-0.01850
-0.30	0.	-0.00315	-0.00627	-0.00932	-0.01228	-0.01511	-0.01779	-0.02030	-0.02261	-0.02471	-0.02658
-0.25	0.	-0.00479	-0.00952	-0.01414	-0.01858	-0.02281	-0.02677	-0.03043	-0.03375	-0.03670	-0.03927
-0.20	0.	-0.00755	-0.01499	-0.02222	-0.02913	-0.03565	-0.04168	-0.04717	-0.05205	-0.05628	-0.05984
-0.15	0.	-0.01239	-0.02457	-0.03633	-0.04749	-0.05788	-0.06736	-0.07581	-0.08315	-0.08931	-0.09426
-0.10	0.	-0.02141	-0.04234	-0.06234	-0.08104	-0.09813	-0.11338	-0.12663	-0.13777	-0.14676	-0.15357
-0.05	0.	-0.04065	-0.07956	-0.11547	-0.14765	-0.17583	-0.19995	-0.22008	-0.23633	-0.24882	-0.25766
0.00	0.	-0.12255	-0.19857	-0.25689	-0.30355	-0.34138	-0.37197	-0.39637	-0.41525	-0.42906	-0.43813
0.05	0.	-0.03735	-0.07295	-0.10551	-0.13429	-0.15900	-0.17955	-0.19600	-0.20842	-0.21691	-0.22151
0.10	0.	-0.01511	-0.02971	-0.04334	-0.05558	-0.06609	-0.07463	-0.08100	-0.08505	-0.08668	-0.08583
0.15	0.	-0.00356	-0.00688	-0.00973	-0.01189	-0.01317	-0.01339	-0.01242	-0.01012	-0.00640	-0.00120
0.20	0.	0.00331	0.00676	0.01047	0.01455	0.01914	0.02433	0.03021	0.03687	0.04438	0.05278
0.25	0.	0.00766	0.01540	0.02329	0.03140	0.03982	0.04859	0.05778	0.06743	0.07761	0.08832
0.30	0.	0.01053	0.02111	0.03179	0.04260	0.05359	0.06481	0.07629	0.08805	0.10014	0.11258
0.35	0.	0.01251	0.02505	0.03764	0.05033	0.06313	0.07607	0.08918	0.10248	0.11598	0.12970
0.40	0.	0.01392	0.02786	0.04183	0.05587	0.06998	0.08418	0.09849	0.11293	0.12750	0.14222
0.45	0.	0.01496	0.02994	0.04494	0.05998	0.07507	0.09022	0.10545	0.12075	0.13616	0.15166
0.50	0.	0.01576	0.03153	0.04732	0.06313	0.07898	0.09487	0.11081	0.12681	0.14288	0.15901
0.55	0.	0.01639	0.03279	0.04921	0.06564	0.08209	0.09857	0.11509	0.13165	0.14826	0.13298
0.60	0.	0.01691	0.03383	0.05075	0.06769	0.08464	0.10162	0.11861	0.13564	0.12094	0.10902
0.65	0.	0.01735	0.03470	0.05206	0.06943	0.08680	0.10420	0.12161	0.10749	0.09640	0.08742
0.70	0.	0.01773	0.03547	0.05321	0.07095	0.08870	0.10646	0.09297	0.08279	0.07481	0.06834
0.75	0.	0.01808	0.03617	0.05426	0.07234	0.09044	0.07763	0.06850	0.06164	0.05626	0.05190
0.80	0.	0.01842	0.03684	0.05526	0.07368	0.06171	0.05384	0.04826	0.04407	0.04079	0.03813
0.85	0.	0.01876	0.03752	0.05628	0.04542	0.03913	0.03506	0.03220	0.03007	0.02841	0.02704
0.90	0.	0.01915	0.03829	0.02909	0.02490	0.02261	0.02120	0.02024	0.01955	0.01900	0.01854
0.95	0.	0.01968	0.01352	0.01219	0.01188	0.01188	0.01199	0.01212	0.01225	0.01235	0.01243
1.00	0.	0.00216	0.00352	0.00457	0.00543	0.00614	0.00674	0.00725	0.00768	0.00804	0.00834
1.05	0.	0.00080	0.00157	0.00230	0.00296	0.00357	0.00411	0.00459	0.00502	0.00540	0.00574
1.10	0.	0.00050	0.00098	0.00146	0.00192	0.00235	0.00275	0.00313	0.00348	0.00381	0.00410
1.15	0.	0.00035	0.00069	0.00102	0.00135	0.00167	0.00197	0.00226	0.00254	0.00279	0.00304
1.20	0.	0.00025	0.00051	0.00076	0.00100	0.00124	0.00148	0.00170	0.00192	0.00212	0.00232
1.25	0.	0.00020	0.00039	0.00058	0.00077	0.00096	0.00114	0.00132	0.00149	0.00165	0.00181
1.30	0.	0.00015	0.00031	0.00046	0.00061	0.00076	0.00090	0.00104	0.00118	0.00131	0.00144
1.35	0.	0.00012	0.00025	0.00037	0.00049	0.00061	0.00072	0.00084	0.00095	0.00106	0.00117
1.40	0.	0.00010	0.00020	0.00030	0.00040	0.00050	0.00059	0.00069	0.00078	0.00087	0.00096
1.45	0.	0.00008	0.00017	0.00025	0.00033	0.00041	0.00049	0.00057	0.00065	0.00072	0.00080
1.50	0.	0.00007	0.00014	0.00021	0.00027	0.00034	0.00041	0.00048	0.00054	0.00060	0.00067
1.55	0.	0.00006	0.00012	0.00017	0.00023	0.00029	0.00035	0.00040	0.00046	0.00051	0.00056
1.60	0.	0.00005	0.00010	0.00015	0.00020	0.00025	0.00029	0.00034	0.00039	0.00044	0.00048
1.65	0.	0.00004	0.00008	0.00013	0.00017	0.00021	0.00025	0.00029	0.00033	0.00037	0.00041
1.70	0.	0.00004	0.00007	0.00011	0.00015	0.00018	0.00022	0.00025	0.00029	0.00032	0.00036
1.75	0.	0.00003	0.00006	0.00009	0.00013	0.00016	0.00019	0.00022	0.00025	0.00028	0.00031
1.80	0.	0.00003	0.00006	0.00008	0.00011	0.00014	0.00016	0.00019	0.00022	0.00024	0.00027
1.85	0.	0.00002	0.00005	0.00007	0.00010	0.00012	0.00014	0.00017	0.00019	0.00021	0.00024
1.90	0.	0.00002	0.00004	0.00006	0.00009	0.00011	0.00013	0.00015	0.00017	0.00019	0.00021
1.95	0.	0.00002	0.00004	0.00006	0.00008	0.00009	0.00011	0.00013	0.00015	0.00017	0.00019
2.00	0.	0.00002	0.00003	0.00005	0.00007	0.00008	0.00010	0.00012	0.00013	0.00015	0.00016

TABLE I. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(a) Continued. Half cone angle, 15.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00
-1.00	-0.00082	-0.00089	-0.00097	-0.00104	-0.00111	-0.00118	-0.00124	-0.00131	-0.00137	-0.00143	-0.00148
-0.95	-0.00097	-0.00106	-0.00115	-0.00123	-0.00131	-0.00139	-0.00147	-0.00154	-0.00162	-0.00168	-0.00175
-0.90	-0.00116	-0.00127	-0.00137	-0.00147	-0.00157	-0.00166	-0.00175	-0.00184	-0.00192	-0.00200	-0.00207
-0.85	-0.00140	-0.00153	-0.00165	-0.00177	-0.00189	-0.00200	-0.00210	-0.00220	-0.00230	-0.00239	-0.00248
-0.80	-0.00171	-0.00186	-0.00201	-0.00215	-0.00229	-0.00242	-0.00255	-0.00267	-0.00278	-0.00288	-0.00298
-0.75	-0.00211	-0.00229	-0.00247	-0.00264	-0.00281	-0.00296	-0.00311	-0.00325	-0.00338	-0.00350	-0.00362
-0.70	-0.00262	-0.00285	-0.00307	-0.00328	-0.00347	-0.00366	-0.00384	-0.00400	-0.00415	-0.00430	-0.00443
-0.65	-0.00330	-0.00358	-0.00385	-0.00411	-0.00435	-0.00457	-0.00478	-0.00498	-0.00516	-0.00532	-0.00547
-0.60	-0.00422	-0.00457	-0.00490	-0.00521	-0.00551	-0.00578	-0.00603	-0.00626	-0.00647	-0.00665	-0.00682
-0.55	-0.00546	-0.00591	-0.00632	-0.00671	-0.00707	-0.00740	-0.00770	-0.00797	-0.00821	-0.00842	-0.00860
-0.50	-0.00719	-0.00776	-0.00828	-0.00877	-0.00921	-0.00961	-0.00996	-0.01028	-0.01055	-0.01077	-0.01096
-0.45	-0.00965	-0.01038	-0.01104	-0.01165	-0.01219	-0.01267	-0.01309	-0.01344	-0.01374	-0.01397	-0.01415
-0.40	-0.01321	-0.01416	-0.01501	-0.01577	-0.01643	-0.01700	-0.01748	-0.01786	-0.01815	-0.01836	-0.01849
-0.35	-0.01850	-0.01975	-0.02084	-0.02179	-0.02259	-0.02324	-0.02375	-0.02412	-0.02437	-0.02449	-0.02449
-0.30	-0.02658	-0.02822	-0.02963	-0.03079	-0.03172	-0.03242	-0.03290	-0.03317	-0.03324	-0.03314	-0.03287
-0.25	-0.03927	-0.04145	-0.04323	-0.04461	-0.04561	-0.04623	-0.04651	-0.04646	-0.04612	-0.04552	-0.04469
-0.20	-0.05984	-0.06272	-0.06490	-0.06641	-0.06728	-0.06753	-0.06721	-0.06639	-0.06512	-0.06346	-0.06149
-0.15	-0.09426	-0.09799	-0.10050	-0.10184	-0.10205	-0.10123	-0.09946	-0.09686	-0.09356	-0.08971	-0.08544
-0.10	-0.15357	-0.15821	-0.16071	-0.16114	-0.15960	-0.15620	-0.15114	-0.14463	-0.13694	-0.12839	-0.11933
-0.05	-0.25766	-0.26294	-0.26472	-0.26305	-0.25799	-0.24956	-0.23788	-0.22311	-0.20566	-0.18624	-0.16599
0.00	-0.43813	-0.44263	-0.44264	-0.43815	-0.42901	-0.41494	-0.39546	-0.36970	-0.33611	-0.29126	-0.21830
0.05	-0.22151	-0.22228	-0.21922	-0.21228	-0.20140	-0.18648	-0.16740	-0.14408	-0.11655	-0.08514	-0.08340
0.10	-0.08583	-0.08245	-0.07652	-0.06802	-0.05697	-0.04343	-0.02746	-0.00921	0.01113	0.00063	-0.00689
0.15	-0.00120	0.00555	0.01387	0.02377	0.03522	0.04819	0.06262	0.07841	0.06284	0.04996	0.03938
0.20	0.05278	0.06211	0.07240	0.08365	0.09587	0.10904	0.12312	0.10550	0.09033	0.07728	0.06607
0.25	0.08832	0.09962	0.11151	0.12401	0.13712	0.15084	0.13263	0.11671	0.10277	0.09054	0.07980
0.30	0.11258	0.12537	0.13856	0.15213	0.16610	0.14801	0.13213	0.11813	0.10574	0.09474	0.08497
0.35	0.12970	0.14367	0.15788	0.17236	0.15471	0.13927	0.12564	0.11356	0.10279	0.09316	0.08453
0.40	0.14222	0.15710	0.17214	0.15507	0.14023	0.12721	0.11568	0.10542	0.09623	0.08797	0.08053
0.45	0.15166	0.16727	0.15080	0.13665	0.12433	0.11350	0.10389	0.09531	0.08761	0.08065	0.07435
0.50	0.15901	0.14314	0.12971	0.11816	0.10809	0.09923	0.09135	0.08430	0.07795	0.07220	0.06696
0.55	0.13298	0.12029	0.10954	0.10029	0.09223	0.08512	0.07879	0.07311	0.06797	0.06331	0.05905
0.60	0.10902	0.09913	0.09075	0.08353	0.07723	0.07166	0.06669	0.06223	0.05817	0.05448	0.05110
0.65	0.08742	0.07996	0.07364	0.06818	0.06341	0.05919	0.05541	0.05199	0.04889	0.04604	0.04343
0.70	0.06834	0.06297	0.05840	0.05446	0.05100	0.04792	0.04515	0.04264	0.04035	0.03824	0.03628
0.75	0.05190	0.04826	0.04517	0.04248	0.04012	0.03800	0.03608	0.03432	0.03271	0.03121	0.02981
0.80	0.03813	0.03591	0.03400	0.03233	0.03084	0.02950	0.02826	0.02712	0.02606	0.02506	0.02411
0.85	0.02704	0.02589	0.02489	0.02400	0.02319	0.02244	0.02174	0.02107	0.02044	0.01982	0.01924
0.90	0.01854	0.01815	0.01778	0.01744	0.01711	0.01678	0.01646	0.01614	0.01582	0.01550	0.01517
0.95	0.01243	0.01248	0.01251	0.01251	0.01248	0.01243	0.01235	0.01226	0.01215	0.01202	0.01188
1.00	0.00834	0.00859	0.00880	0.00896	0.00909	0.00919	0.00925	0.00929	0.00931	0.00931	0.00928
1.05	0.00574	0.00603	0.00629	0.00650	0.00669	0.00685	0.00698	0.00708	0.00717	0.00723	0.00727
1.10	0.00410	0.00437	0.00461	0.00482	0.00501	0.00518	0.00533	0.00546	0.00556	0.00565	0.00573
1.15	0.00304	0.00326	0.00347	0.00366	0.00383	0.00399	0.00413	0.00426	0.00437	0.00447	0.00456
1.20	0.00232	0.00250	0.00267	0.00284	0.00299	0.00312	0.00325	0.00337	0.00348	0.00357	0.00366
1.25	0.00181	0.00196	0.00210	0.00224	0.00237	0.00249	0.00260	0.00270	0.00280	0.00289	0.00297
1.30	0.00144	0.00157	0.00169	0.00180	0.00191	0.00201	0.00211	0.00220	0.00228	0.00236	0.00244
1.35	0.00117	0.00127	0.00137	0.00147	0.00156	0.00164	0.00173	0.00181	0.00188	0.00195	0.00202
1.40	0.00096	0.00104	0.00113	0.00121	0.00129	0.00136	0.00143	0.00150	0.00156	0.00163	0.00169
1.45	0.00080	0.00087	0.00094	0.00101	0.00107	0.00114	0.00120	0.00126	0.00131	0.00137	0.00142
1.50	0.00067	0.00073	0.00079	0.00085	0.00090	0.00096	0.00101	0.00106	0.00111	0.00116	0.00120
1.55	0.00056	0.00062	0.00067	0.00072	0.00077	0.00081	0.00086	0.00090	0.00095	0.00099	0.00103
1.60	0.00048	0.00053	0.00057	0.00061	0.00066	0.00070	0.00074	0.00078	0.00081	0.00085	0.00088
1.65	0.00041	0.00045	0.00049	0.00053	0.00056	0.00060	0.00063	0.00067	0.00070	0.00073	0.00076
1.70	0.00036	0.00039	0.00042	0.00046	0.00049	0.00052	0.00055	0.00058	0.00061	0.00064	0.00066
1.75	0.00031	0.00034	0.00037	0.00040	0.00042	0.00045	0.00048	0.00051	0.00053	0.00056	0.00058
1.80	0.00027	0.00030	0.00032	0.00035	0.00037	0.00040	0.00042	0.00044	0.00047	0.00049	0.00051
1.85	0.00024	0.00026	0.00028	0.00030	0.00033	0.00035	0.00037	0.00039	0.00041	0.00043	0.00045
1.90	0.00021	0.00023	0.00025	0.00027	0.00029	0.00031	0.00033	0.00034	0.00036	0.00038	0.00040
1.95	0.00019	0.00020	0.00022	0.00024	0.00026	0.00027	0.00029	0.00031	0.00032	0.00034	0.00035
2.00	0.00016	0.00018	0.00020	0.00021	0.00023	0.00024	0.00026	0.00027	0.00029	0.00030	0.00031

TABLE 1. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(a) Continued. Half cone angle, 15.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50
-1.00	-0.00148	-0.00154	-0.00159	-0.00164	-0.00169	-0.00173	-0.00177	-0.00181	-0.00185	-0.00188	-0.00191
-0.95	-0.00175	-0.00181	-0.00187	-0.00193	-0.00198	-0.00203	-0.00207	-0.00211	-0.00215	-0.00219	-0.00222
-0.90	-0.00207	-0.00215	-0.00221	-0.00227	-0.00233	-0.00239	-0.00244	-0.00248	-0.00253	-0.00256	-0.00260
-0.85	-0.00248	-0.00256	-0.00263	-0.00270	-0.00277	-0.00283	-0.00288	-0.00293	-0.00298	-0.00302	-0.00305
-0.80	-0.00298	-0.00307	-0.00316	-0.00324	-0.00331	-0.00338	-0.00343	-0.00349	-0.00353	-0.00357	-0.00361
-0.75	-0.00362	-0.00372	-0.00382	-0.00391	-0.00398	-0.00405	-0.00412	-0.00417	-0.00422	-0.00425	-0.00428
-0.70	-0.00443	-0.00454	-0.00465	-0.00475	-0.00483	-0.00490	-0.00497	-0.00502	-0.00506	-0.00509	-0.00512
-0.65	-0.00547	-0.00560	-0.00572	-0.00582	-0.00590	-0.00598	-0.00604	-0.00608	-0.00611	-0.00614	-0.00614
-0.60	-0.00682	-0.00696	-0.00709	-0.00719	-0.00728	-0.00734	-0.00739	-0.00742	-0.00744	-0.00743	-0.00742
-0.55	-0.00860	-0.00875	-0.00887	-0.00897	-0.00904	-0.00909	-0.00911	-0.00912	-0.00910	-0.00906	-0.00901
-0.50	-0.01096	-0.01111	-0.01122	-0.01130	-0.01134	-0.01135	-0.01133	-0.01128	-0.01121	-0.01111	-0.01099
-0.45	-0.01415	-0.01427	-0.01434	-0.01437	-0.01434	-0.01428	-0.01418	-0.01405	-0.01388	-0.01369	-0.01347
-0.40	-0.01849	-0.01855	-0.01853	-0.01845	-0.01831	-0.01811	-0.01787	-0.01759	-0.01727	-0.01693	-0.01655
-0.35	-0.02449	-0.02439	-0.02419	-0.02391	-0.02356	-0.02313	-0.02266	-0.02213	-0.02157	-0.02098	-0.02036
-0.30	-0.03287	-0.03245	-0.03191	-0.03126	-0.03052	-0.02970	-0.02883	-0.02791	-0.02695	-0.02598	-0.02500
-0.25	-0.04469	-0.04366	-0.04247	-0.04115	-0.03973	-0.03823	-0.03670	-0.03513	-0.03357	-0.03201	-0.03048
-0.20	-0.06149	-0.05927	-0.05686	-0.05432	-0.05172	-0.04908	-0.04646	-0.04388	-0.04136	-0.03894	-0.03662
-0.15	-0.08544	-0.08089	-0.07619	-0.07145	-0.06677	-0.06222	-0.05786	-0.05372	-0.04982	-0.04618	-0.04279
-0.10	-0.11933	-0.11010	-0.10098	-0.09222	-0.08399	-0.07636	-0.06939	-0.06305	-0.05734	-0.05219	-0.04757
-0.05	-0.16599	-0.14625	-0.12811	-0.11211	-0.09830	-0.08650	-0.07642	-0.06781	-0.06041	-0.05402	-0.04849
0.00	-0.21830	-0.16169	-0.13132	-0.10978	-0.09341	-0.08047	-0.07000	-0.06137	-0.05415	-0.04805	-0.04285
0.05	-0.08340	-0.07848	-0.07195	-0.06499	-0.05829	-0.05214	-0.04663	-0.04175	-0.03746	-0.03368	-0.03036
0.10	-0.00689	-0.01199	-0.01521	-0.01702	-0.01783	-0.01794	-0.01759	-0.01695	-0.01615	-0.01526	-0.01433
0.15	0.03938	0.03076	0.02380	0.01821	0.01377	0.01024	0.00747	0.00530	0.00361	0.00230	0.00128
0.20	0.06607	0.05647	0.04826	0.04125	0.03528	0.03020	0.02588	0.02221	0.01910	0.01645	0.01419
0.25	0.07980	0.07038	0.06211	0.05485	0.04848	0.04289	0.03799	0.03369	0.02992	0.02661	0.02370
0.30	0.08497	0.07626	0.06850	0.06158	0.05540	0.04989	0.04496	0.04056	0.03663	0.03311	0.02996
0.35	0.08453	0.07677	0.06979	0.06349	0.05781	0.05267	0.04803	0.04383	0.04004	0.03660	0.03348
0.40	0.08053	0.07379	0.06768	0.06212	0.05707	0.05247	0.04828	0.04445	0.04095	0.03775	0.03482
0.45	0.07435	0.06862	0.06339	0.05861	0.05424	0.05023	0.04655	0.04317	0.04005	0.03718	0.03454
0.50	0.06696	0.06219	0.05781	0.05379	0.05009	0.04668	0.04353	0.04061	0.03792	0.03542	0.03310
0.55	0.05905	0.05515	0.05156	0.04825	0.04519	0.04235	0.03971	0.03726	0.03498	0.03286	0.03087
0.60	0.05110	0.04798	0.04510	0.04244	0.03996	0.03765	0.03550	0.03348	0.03160	0.02983	0.02818
0.65	0.04343	0.04101	0.03876	0.03667	0.03471	0.03288	0.03116	0.02955	0.02803	0.02660	0.02524
0.70	0.03628	0.03446	0.03276	0.03117	0.02967	0.02826	0.02692	0.02566	0.02447	0.02333	0.02226
0.75	0.02981	0.02850	0.02726	0.02609	0.02498	0.02393	0.02293	0.02197	0.02106	0.02019	0.01935
0.80	0.02411	0.02322	0.02236	0.02154	0.02075	0.02000	0.01927	0.01858	0.01790	0.01725	0.01662
0.85	0.01924	0.01866	0.01811	0.01757	0.01704	0.01653	0.01603	0.01554	0.01506	0.01459	0.01413
0.90	0.01517	0.01485	0.01452	0.01419	0.01386	0.01354	0.01321	0.01288	0.01256	0.01224	0.01192
0.95	0.01188	0.01173	0.01156	0.01139	0.01121	0.01102	0.01082	0.01062	0.01041	0.01020	0.00999
1.00	0.00928	0.00924	0.00919	0.00911	0.00903	0.00894	0.00883	0.00872	0.00860	0.00847	0.00834
1.05	0.00727	0.00729	0.00730	0.00730	0.00728	0.00725	0.00721	0.00716	0.00710	0.00703	0.00695
1.10	0.00573	0.00579	0.00583	0.00587	0.00588	0.00589	0.00589	0.00588	0.00586	0.00583	0.00579
1.15	0.00456	0.00463	0.00469	0.00474	0.00478	0.00481	0.00483	0.00485	0.00485	0.00485	0.00484
1.20	0.00366	0.00374	0.00380	0.00386	0.00391	0.00395	0.00399	0.00401	0.00403	0.00405	0.00405
1.25	0.00297	0.00304	0.00311	0.00317	0.00322	0.00327	0.00331	0.00334	0.00337	0.00339	0.00341
1.30	0.00244	0.00250	0.00257	0.00262	0.00268	0.00272	0.00276	0.00280	0.00283	0.00286	0.00288
1.35	0.00202	0.00208	0.00214	0.00219	0.00224	0.00228	0.00232	0.00236	0.00239	0.00242	0.00245
1.40	0.00169	0.00174	0.00179	0.00184	0.00189	0.00193	0.00197	0.00200	0.00203	0.00206	0.00209
1.45	0.00142	0.00147	0.00151	0.00156	0.00160	0.00164	0.00167	0.00171	0.00174	0.00177	0.00179
1.50	0.00120	0.00125	0.00129	0.00133	0.00136	0.00140	0.00143	0.00146	0.00149	0.00152	0.00154
1.55	0.00103	0.00107	0.00110	0.00114	0.00117	0.00120	0.00123	0.00126	0.00129	0.00131	0.00134
1.60	0.00088	0.00092	0.00095	0.00098	0.00101	0.00104	0.00107	0.00109	0.00112	0.00114	0.00116
1.65	0.00076	0.00079	0.00082	0.00085	0.00088	0.00090	0.00093	0.00095	0.00097	0.00100	0.00102
1.70	0.00066	0.00069	0.00072	0.00074	0.00077	0.00079	0.00081	0.00083	0.00085	0.00087	0.00089
1.75	0.00058	0.00060	0.00063	0.00065	0.00067	0.00069	0.00071	0.00073	0.00075	0.00077	0.00079
1.80	0.00051	0.00053	0.00055	0.00057	0.00059	0.00061	0.00063	0.00065	0.00066	0.00068	0.00069
1.85	0.00045	0.00047	0.00049	0.00050	0.00052	0.00054	0.00056	0.00057	0.00059	0.00060	0.00062
1.90	0.00040	0.00041	0.00043	0.00045	0.00046	0.00048	0.00049	0.00051	0.00052	0.00054	0.00055
1.95	0.00035	0.00037	0.00038	0.00040	0.00041	0.00043	0.00044	0.00045	0.00047	0.00048	0.00049
2.00	0.00031	0.00033	0.00034	0.00036	0.00037	0.00038	0.00039	0.00040	0.00042	0.00043	0.00044

TABLE I. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(a) Concluded. Half cone angle, 15.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	1.50	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00
-1.00	-0.00191	-0.00194	-0.00197	-0.00199	-0.00201	-0.00203	-0.00204	-0.00206	-0.00207	-0.00208	-0.00209
-0.95	-0.00222	-0.00225	-0.00228	-0.00230	-0.00232	-0.00234	-0.00236	-0.00237	-0.00238	-0.00239	-0.00239
-0.90	-0.00260	-0.00263	-0.00266	-0.00268	-0.00270	-0.00271	-0.00273	-0.00274	-0.00274	-0.00275	-0.00275
-0.85	-0.00305	-0.00308	-0.00311	-0.00313	-0.00315	-0.00316	-0.00317	-0.00317	-0.00317	-0.00317	-0.00317
-0.80	-0.00361	-0.00364	-0.00366	-0.00367	-0.00369	-0.00369	-0.00369	-0.00369	-0.00369	-0.00367	-0.00366
-0.75	-0.00428	-0.00431	-0.00432	-0.00433	-0.00434	-0.00433	-0.00432	-0.00431	-0.00429	-0.00427	-0.00424
-0.70	-0.00512	-0.00513	-0.00514	-0.00513	-0.00512	-0.00511	-0.00508	-0.00505	-0.00501	-0.00497	-0.00493
-0.65	-0.00614	-0.00614	-0.00613	-0.00611	-0.00608	-0.00604	-0.00599	-0.00594	-0.00587	-0.00581	-0.00574
-0.60	-0.00742	-0.00739	-0.00735	-0.00730	-0.00724	-0.00716	-0.00708	-0.00699	-0.00690	-0.00679	-0.00669
-0.55	-0.00901	-0.00894	-0.00885	-0.00875	-0.00864	-0.00852	-0.00839	-0.00825	-0.00811	-0.00796	-0.00780
-0.50	-0.01099	-0.01085	-0.01070	-0.01053	-0.01035	-0.01016	-0.00996	-0.00975	-0.00953	-0.00931	-0.00909
-0.45	-0.01347	-0.01323	-0.01297	-0.01270	-0.01242	-0.01212	-0.01182	-0.01151	-0.01120	-0.01089	-0.01057
-0.40	-0.01655	-0.01616	-0.01574	-0.01532	-0.01488	-0.01444	-0.01400	-0.01356	-0.01311	-0.01268	-0.01224
-0.35	-0.02036	-0.01973	-0.01909	-0.01844	-0.01779	-0.01714	-0.01651	-0.01588	-0.01526	-0.01466	-0.01407
-0.30	-0.02500	-0.02401	-0.02303	-0.02207	-0.02112	-0.02019	-0.01929	-0.01842	-0.01758	-0.01677	-0.01599
-0.25	-0.03048	-0.02898	-0.02752	-0.02612	-0.02476	-0.02347	-0.02223	-0.02105	-0.01993	-0.01886	-0.01785
-0.20	-0.03662	-0.03440	-0.03230	-0.03031	-0.02844	-0.02669	-0.02504	-0.02350	-0.02205	-0.02071	-0.01945
-0.15	-0.04279	-0.03964	-0.03674	-0.03406	-0.03160	-0.02933	-0.02725	-0.02533	-0.02357	-0.02195	-0.02046
-0.10	-0.04757	-0.04342	-0.03969	-0.03634	-0.03333	-0.03062	-0.02817	-0.02596	-0.02396	-0.02215	-0.02050
-0.05	-0.04849	-0.04367	-0.03946	-0.03576	-0.03249	-0.02960	-0.02703	-0.02474	-0.02269	-0.02086	-0.01920
0.00	-0.04285	-0.03838	-0.03451	-0.03114	-0.02819	-0.02559	-0.02330	-0.02127	-0.01946	-0.01784	-0.01639
0.05	-0.03036	-0.02744	-0.02485	-0.02257	-0.02054	-0.01873	-0.01712	-0.01568	-0.01439	-0.01323	-0.01218
0.10	-0.01433	-0.01341	-0.01251	-0.01166	-0.01085	-0.01009	-0.00938	-0.00872	-0.00811	-0.00754	-0.00702
0.15	0.00128	0.00051	-0.00009	-0.00053	-0.00086	-0.00111	-0.00128	-0.00140	-0.00148	-0.00152	-0.00154
0.20	0.01419	0.01227	0.01064	0.00924	0.00805	0.00702	0.00614	0.00539	0.00473	0.00417	0.00368
0.25	0.02370	0.02115	0.01890	0.01692	0.01518	0.01364	0.01228	0.01107	0.01000	0.00906	0.00821
0.30	0.02996	0.02715	0.02463	0.02237	0.02034	0.01852	0.01689	0.01542	0.01410	0.01290	0.01183
0.35	0.03348	0.03065	0.02809	0.02577	0.02366	0.02174	0.02000	0.01842	0.01698	0.01566	0.01447
0.40	0.03482	0.03215	0.02970	0.02745	0.02540	0.02351	0.02178	0.02020	0.01874	0.01740	0.01617
0.45	0.03454	0.03210	0.02986	0.02778	0.02587	0.02410	0.02246	0.02095	0.01955	0.01825	0.01706
0.50	0.03310	0.03095	0.02895	0.02709	0.02537	0.02376	0.02227	0.02088	0.01958	0.01838	0.01726
0.55	0.03087	0.02902	0.02729	0.02568	0.02417	0.02275	0.02143	0.02019	0.01903	0.01794	0.01692
0.60	0.02818	0.02662	0.02516	0.02379	0.02250	0.02128	0.02014	0.01906	0.01805	0.01709	0.01619
0.65	0.02524	0.02397	0.02276	0.02162	0.02054	0.01952	0.01856	0.01764	0.01678	0.01596	0.01518
0.70	0.02226	0.02123	0.02026	0.01934	0.01846	0.01762	0.01682	0.01606	0.01534	0.01465	0.01399
0.75	0.01935	0.01855	0.01779	0.01706	0.01636	0.01568	0.01504	0.01442	0.01383	0.01326	0.01272
0.80	0.01662	0.01602	0.01543	0.01487	0.01432	0.01380	0.01329	0.01280	0.01232	0.01187	0.01143
0.85	0.01413	0.01369	0.01325	0.01283	0.01242	0.01202	0.01162	0.01124	0.01087	0.01051	0.01016
0.90	0.01192	0.01160	0.01129	0.01098	0.01068	0.01038	0.01009	0.00980	0.00951	0.00923	0.00896
0.95	0.00999	0.00978	0.00956	0.00934	0.00913	0.00891	0.00870	0.00848	0.00827	0.00806	0.00785
1.00	0.00834	0.00820	0.00806	0.00792	0.00777	0.00762	0.00746	0.00731	0.00716	0.00700	0.00685
1.05	0.00695	0.00687	0.00678	0.00669	0.00659	0.00649	0.00639	0.00628	0.00617	0.00606	0.00595
1.10	0.00579	0.00575	0.00570	0.00565	0.00559	0.00553	0.00546	0.00539	0.00531	0.00524	0.00516
1.15	0.00484	0.00482	0.00480	0.00477	0.00474	0.00471	0.00466	0.00462	0.00457	0.00452	0.00447
1.20	0.00405	0.00406	0.00405	0.00404	0.00403	0.00401	0.00399	0.00396	0.00393	0.00390	0.00387
1.25	0.00341	0.00342	0.00343	0.00343	0.00343	0.00343	0.00342	0.00341	0.00339	0.00337	0.00335
1.30	0.00288	0.00290	0.00292	0.00293	0.00293	0.00294	0.00294	0.00293	0.00293	0.00292	0.00291
1.35	0.00245	0.00247	0.00249	0.00250	0.00252	0.00252	0.00253	0.00253	0.00254	0.00253	0.00253
1.40	0.00209	0.00211	0.00213	0.00215	0.00217	0.00218	0.00219	0.00220	0.00220	0.00220	0.00221
1.45	0.00179	0.00181	0.00184	0.00185	0.00187	0.00189	0.00190	0.00191	0.00192	0.00192	0.00193
1.50	0.00154	0.00157	0.00159	0.00161	0.00162	0.00164	0.00165	0.00166	0.00167	0.00168	0.00169
1.55	0.00134	0.00136	0.00138	0.00140	0.00141	0.00143	0.00144	0.00146	0.00147	0.00148	0.00149
1.60	0.00116	0.00118	0.00120	0.00122	0.00124	0.00125	0.00127	0.00128	0.00129	0.00130	0.00131
1.65	0.00102	0.00104	0.00105	0.00107	0.00109	0.00110	0.00111	0.00113	0.00114	0.00115	0.00116
1.70	0.00089	0.00091	0.00093	0.00094	0.00096	0.00097	0.00098	0.00100	0.00101	0.00102	0.00103
1.75	0.00079	0.00080	0.00082	0.00083	0.00085	0.00086	0.00087	0.00088	0.00089	0.00090	0.00091
1.80	0.00069	0.00071	0.00072	0.00074	0.00075	0.00076	0.00077	0.00079	0.00080	0.00081	0.00081
1.85	0.00062	0.00063	0.00064	0.00066	0.00067	0.00068	0.00069	0.00070	0.00071	0.00072	0.00073
1.90	0.00055	0.00056	0.00057	0.00058	0.00060	0.00061	0.00062	0.00063	0.00064	0.00064	0.00065
1.95	0.00049	0.00050	0.00051	0.00052	0.00053	0.00054	0.00055	0.00056	0.00057	0.00058	0.00059
2.00	0.00044	0.00045	0.00046	0.00047	0.00048	0.00049	0.00050	0.00051	0.00051	0.00052	0.00053

TABLE I. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_R/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(b) Half cone angle, 22.5.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50
-1.00	0.	-0.00044	-0.00088	-0.00132	-0.00175	-0.00217	-0.00259	-0.00299	-0.00338	-0.00376	-0.00412
-0.95	0.	-0.00052	-0.00104	-0.00156	-0.00206	-0.00256	-0.00305	-0.00352	-0.00398	-0.00442	-0.00484
-0.90	0.	-0.00062	-0.00124	-0.00185	-0.00246	-0.00305	-0.00362	-0.00418	-0.00472	-0.00524	-0.00573
-0.85	0.	-0.00075	-0.00149	-0.00222	-0.00294	-0.00365	-0.00433	-0.00500	-0.00563	-0.00624	-0.00682
-0.80	0.	-0.00090	-0.00180	-0.00268	-0.00355	-0.00440	-0.00522	-0.00602	-0.00678	-0.00750	-0.00818
-0.75	0.	-0.00110	-0.00219	-0.00327	-0.00432	-0.00535	-0.00635	-0.00730	-0.00821	-0.00908	-0.00988
-0.70	0.	-0.00135	-0.00269	-0.00402	-0.00531	-0.00657	-0.00778	-0.00894	-0.01004	-0.01108	-0.01204
-0.65	0.	-0.00168	-0.00335	-0.00499	-0.00659	-0.00814	-0.00963	-0.01105	-0.01239	-0.01364	-0.01480
-0.60	0.	-0.00211	-0.00420	-0.00626	-0.00826	-0.01020	-0.01205	-0.01380	-0.01545	-0.01697	-0.01837
-0.55	0.	-0.00268	-0.00534	-0.00795	-0.01048	-0.01292	-0.01524	-0.01742	-0.01946	-0.02133	-0.02302
-0.50	0.	-0.00345	-0.00687	-0.01021	-0.01346	-0.01656	-0.01950	-0.02225	-0.02479	-0.02710	-0.02917
-0.45	0.	-0.00450	-0.00896	-0.01331	-0.01751	-0.02151	-0.02528	-0.02878	-0.03198	-0.03485	-0.03738
-0.40	0.	-0.00596	-0.01185	-0.01758	-0.02310	-0.02834	-0.03323	-0.03773	-0.04180	-0.04540	-0.04851
-0.35	0.	-0.00801	-0.01591	-0.02359	-0.03095	-0.03788	-0.04432	-0.05017	-0.05540	-0.05994	-0.06378
-0.30	0.	-0.01095	-0.02173	-0.03217	-0.04213	-0.05145	-0.06002	-0.06774	-0.07451	-0.08029	-0.08503
-0.25	0.	-0.01523	-0.03020	-0.04465	-0.05834	-0.07106	-0.08263	-0.09290	-0.10177	-0.10915	-0.11501
-0.20	0.	-0.02163	-0.04283	-0.06318	-0.08232	-0.09992	-0.11573	-0.12954	-0.14122	-0.15067	-0.15786
-0.15	0.	-0.03153	-0.06228	-0.09155	-0.11873	-0.14336	-0.16510	-0.18372	-0.19907	-0.21110	-0.21980
-0.10	0.	-0.04782	-0.09397	-0.13707	-0.17618	-0.21070	-0.24037	-0.26509	-0.28487	-0.29980	-0.30996
-0.05	0.	-0.07899	-0.15232	-0.21708	-0.27266	-0.31942	-0.35797	-0.38892	-0.41281	-0.43005	-0.44098
0.00	0.	-0.18440	-0.29689	-0.38203	-0.44917	-0.50270	-0.54511	-0.57800	-0.60242	-0.61913	-0.62859
0.05	0.	-0.07384	-0.14200	-0.20154	-0.25181	-0.29316	-0.32615	-0.35138	-0.36930	-0.38031	-0.38464
0.10	0.	-0.03771	-0.07371	-0.10657	-0.13529	-0.15924	-0.17808	-0.19166	-0.19991	-0.20283	-0.20039
0.15	0.	-0.01681	-0.03278	-0.04716	-0.05927	-0.06859	-0.07471	-0.07732	-0.07619	-0.07118	-0.06216
0.20	0.	-0.00274	-0.00498	-0.00625	-0.00612	-0.00420	-0.00016	0.00628	0.01533	0.02717	0.04194
0.25	0.	0.00736	0.01505	0.02338	0.03264	0.04312	0.05506	0.06867	0.08413	0.10160	0.12118
0.30	0.	0.01489	0.03000	0.04555	0.06176	0.07881	0.09690	0.11617	0.13677	0.15881	0.18240
0.35	0.	0.02064	0.04144	0.06256	0.08414	0.10633	0.12926	0.15304	0.17779	0.20359	0.23052
0.40	0.	0.02515	0.05041	0.07591	0.10173	0.12800	0.15481	0.18224	0.21037	0.23928	0.26903
0.45	0.	0.02876	0.05760	0.08660	0.11586	0.14543	0.17540	0.20583	0.23678	0.26830	0.30044
0.50	0.	0.03171	0.06348	0.09537	0.12744	0.15975	0.19235	0.22529	0.25861	0.29236	0.32658
0.55	0.	0.03418	0.06840	0.10271	0.13716	0.17177	0.20661	0.24169	0.27706	0.31274	0.27866
0.60	0.	0.03629	0.07262	0.10901	0.14550	0.18211	0.21888	0.25583	0.29299	0.26062	0.23394
0.65	0.	0.03816	0.07634	0.11456	0.15286	0.19123	0.22972	0.26834	0.23775	0.21329	0.19307
0.70	0.	0.03985	0.07971	0.11960	0.15953	0.19951	0.23956	0.21089	0.18886	0.17117	0.15647
0.75	0.	0.04143	0.08287	0.12432	0.16578	0.20726	0.18071	0.16142	0.14653	0.13450	0.12442
0.80	0.	0.04299	0.08598	0.12895	0.17190	0.14778	0.13169	0.11997	0.11086	0.10340	0.09704
0.85	0.	0.04461	0.08920	0.13374	0.11267	0.10047	0.09239	0.08646	0.08177	0.07781	0.07432
0.90	0.	0.04648	0.09287	0.07611	0.06889	0.06499	0.06248	0.06059	0.05899	0.05751	0.05607
0.95	0.	0.04906	0.03965	0.03897	0.03965	0.04050	0.04122	0.04172	0.04199	0.04205	0.04193
1.00	0.	0.00970	0.01538	0.01956	0.02278	0.02529	0.02725	0.02876	0.02991	0.03075	0.03133
1.05	0.	0.00411	0.00791	0.01126	0.01413	0.01656	0.01859	0.02026	0.02164	0.02274	0.02360
1.10	0.	0.00258	0.00508	0.00743	0.00959	0.01153	0.01324	0.01474	0.01602	0.01711	0.01802
1.15	0.	0.00182	0.00360	0.00531	0.00693	0.00843	0.00981	0.01106	0.01217	0.01314	0.01399
1.20	0.	0.00135	0.00269	0.00398	0.00522	0.00640	0.00750	0.00852	0.00945	0.01029	0.01104
1.25	0.	0.00104	0.00207	0.00308	0.00406	0.00499	0.00588	0.00671	0.00748	0.00820	0.00884
1.30	0.	0.00082	0.00164	0.00244	0.00322	0.00398	0.00470	0.00538	0.00603	0.00663	0.00718
1.35	0.	0.00066	0.00132	0.00197	0.00261	0.00322	0.00382	0.00438	0.00492	0.00543	0.00590
1.40	0.	0.00054	0.00108	0.00162	0.00214	0.00265	0.00314	0.00361	0.00407	0.00450	0.00490
1.45	0.	0.00045	0.00090	0.00134	0.00178	0.00220	0.00261	0.00301	0.00340	0.00376	0.00411
1.50	0.	0.00038	0.00075	0.00112	0.00149	0.00185	0.00220	0.00254	0.00286	0.00318	0.00348
1.55	0.	0.00032	0.00064	0.00095	0.00126	0.00156	0.00186	0.00215	0.00243	0.00270	0.00296
1.60	0.	0.00027	0.00054	0.00081	0.00108	0.00134	0.00159	0.00184	0.00208	0.00232	0.00254
1.65	0.	0.00023	0.00047	0.00070	0.00092	0.00115	0.00137	0.00158	0.00179	0.00200	0.00220
1.70	0.	0.00020	0.00040	0.00060	0.00080	0.00099	0.00118	0.00137	0.00156	0.00173	0.00191
1.75	0.	0.00017	0.00035	0.00052	0.00069	0.00086	0.00103	0.00119	0.00136	0.00151	0.00166
1.80	0.	0.00015	0.00031	0.00046	0.00061	0.00076	0.00090	0.00105	0.00119	0.00132	0.00146
1.85	0.	0.00013	0.00027	0.00040	0.00053	0.00066	0.00079	0.00092	0.00104	0.00117	0.00128
1.90	0.	0.00012	0.00024	0.00035	0.00047	0.00059	0.00070	0.00081	0.00092	0.00103	0.00114
1.95	0.	0.00010	0.00021	0.00031	0.00042	0.00052	0.00062	0.00072	0.00082	0.00091	0.00101
2.00	0.	0.00009	0.00019	0.00028	0.00037	0.00046	0.00055	0.00064	0.00073	0.00081	0.00090

TABLE I. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_\rho/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(b) Continued. Half cone angle, 22.5.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00
-1.00	-0.00412	-0.00447	-0.00479	-0.00511	-0.00540	-0.00567	-0.00592	-0.00616	-0.00637	-0.00656	-0.00673
-0.95	-0.00484	-0.00524	-0.00562	-0.00598	-0.00631	-0.00662	-0.00690	-0.00716	-0.00740	-0.00761	-0.00779
-0.90	-0.00573	-0.00619	-0.00663	-0.00704	-0.00742	-0.00777	-0.00809	-0.00838	-0.00863	-0.00886	-0.00906
-0.85	-0.00682	-0.00736	-0.00787	-0.00835	-0.00878	-0.00918	-0.00953	-0.00985	-0.01013	-0.01037	-0.01058
-0.80	-0.00818	-0.00882	-0.00941	-0.00996	-0.01045	-0.01090	-0.01130	-0.01165	-0.01195	-0.01221	-0.01241
-0.75	-0.00988	-0.01064	-0.01133	-0.01196	-0.01253	-0.01304	-0.01348	-0.01386	-0.01418	-0.01444	-0.01464
-0.70	-0.01204	-0.01293	-0.01375	-0.01448	-0.01513	-0.01570	-0.01619	-0.01659	-0.01692	-0.01718	-0.01736
-0.65	-0.01480	-0.01586	-0.01681	-0.01766	-0.01840	-0.01904	-0.01957	-0.01999	-0.02032	-0.02055	-0.02069
-0.60	-0.01837	-0.01963	-0.02075	-0.02173	-0.02257	-0.02327	-0.02383	-0.02426	-0.02456	-0.02473	-0.02480
-0.55	-0.02302	-0.02453	-0.02585	-0.02698	-0.02792	-0.02867	-0.02925	-0.02964	-0.02987	-0.02995	-0.02988
-0.50	-0.02917	-0.03098	-0.03253	-0.03382	-0.03485	-0.03564	-0.03618	-0.03649	-0.03659	-0.03649	-0.03621
-0.45	-0.03738	-0.03956	-0.04137	-0.04283	-0.04393	-0.04469	-0.04513	-0.04527	-0.04513	-0.04473	-0.04412
-0.40	-0.04851	-0.05112	-0.05322	-0.05482	-0.05594	-0.05659	-0.05680	-0.05661	-0.05606	-0.05518	-0.05403
-0.35	-0.06378	-0.06690	-0.06930	-0.07099	-0.07199	-0.07236	-0.07213	-0.07137	-0.07012	-0.06847	-0.06648
-0.30	-0.08503	-0.08873	-0.09139	-0.09303	-0.09372	-0.09351	-0.09248	-0.09072	-0.08834	-0.08545	-0.08214
-0.25	-0.11501	-0.11933	-0.12214	-0.12349	-0.12346	-0.12217	-0.11973	-0.11631	-0.11207	-0.10717	-0.10181
-0.20	-0.15786	-0.16279	-0.16551	-0.16611	-0.16472	-0.16150	-0.15666	-0.15045	-0.14313	-0.13501	-0.12636
-0.15	-0.21980	-0.22521	-0.22741	-0.22652	-0.22273	-0.21626	-0.20741	-0.19655	-0.18413	-0.17066	-0.15668
-0.10	-0.30996	-0.31548	-0.31648	-0.31310	-0.30550	-0.29391	-0.27863	-0.26011	-0.23904	-0.21636	-0.19321
-0.05	-0.44098	-0.44582	-0.44475	-0.43785	-0.42514	-0.40659	-0.38216	-0.35187	-0.31606	-0.27595	-0.23451
0.00	-0.62859	-0.63114	-0.62690	-0.61589	-0.59792	-0.57261	-0.53928	-0.49674	-0.44277	-0.37250	-0.26205
0.05	-0.38464	-0.38247	-0.37383	-0.35865	-0.33675	-0.30780	-0.27128	-0.22650	-0.17265	-0.10917	-0.10866
0.10	-0.20039	-0.19261	-0.17944	-0.16083	-0.13671	-0.10697	-0.07156	-0.03048	0.01610	-0.00386	-0.01666
0.15	-0.06216	-0.04905	-0.03179	-0.01035	0.01527	0.04506	0.07892	0.11670	0.08666	0.06299	0.04476
0.20	0.04194	0.05972	0.08059	0.10457	0.13164	0.16176	0.19484	0.15935	0.12973	0.10520	0.08506
0.25	0.12118	0.14297	0.16702	0.19336	0.22198	0.25286	0.21463	0.18191	0.15397	0.13019	0.11002
0.30	0.18240	0.20760	0.23446	0.26301	0.29326	0.25403	0.22004	0.19056	0.16500	0.14285	0.12369
0.35	0.23052	0.25863	0.28797	0.31857	0.27943	0.24538	0.21563	0.18958	0.16673	0.14669	0.12911
0.40	0.26903	0.29965	0.33118	0.29283	0.25950	0.23033	0.20468	0.18205	0.16203	0.14430	0.12857
0.45	0.30044	0.33324	0.29609	0.26400	0.23599	0.21137	0.18959	0.17025	0.15301	0.13762	0.12385
0.50	0.32658	0.29089	0.26038	0.23394	0.21077	0.19030	0.17210	0.15584	0.14125	0.12813	0.11631
0.55	0.27866	0.24997	0.22538	0.20399	0.18517	0.16846	0.15351	0.14008	0.12796	0.11698	0.10701
0.60	0.23394	0.21143	0.19206	0.17514	0.16017	0.14680	0.13478	0.12391	0.11402	0.10500	0.09676
0.65	0.19307	0.17593	0.16111	0.14808	0.13648	0.12606	0.11661	0.10800	0.10011	0.09287	0.08618
0.70	0.15647	0.14393	0.13300	0.12332	0.11462	0.10673	0.09951	0.09288	0.08674	0.08105	0.07575
0.75	0.12442	0.11572	0.10805	0.10117	0.09492	0.08917	0.08384	0.07888	0.07424	0.06989	0.06580
0.80	0.09704	0.09146	0.08643	0.08184	0.07757	0.07358	0.06982	0.06626	0.06287	0.05964	0.05657
0.85	0.07432	0.07114	0.06817	0.06536	0.06267	0.06007	0.05756	0.05512	0.05275	0.05044	0.04821
0.90	0.05607	0.05463	0.05317	0.05168	0.05016	0.04862	0.04707	0.04550	0.04393	0.04236	0.04079
0.95	0.04193	0.04163	0.04118	0.04060	0.03992	0.03914	0.03828	0.03736	0.03639	0.03538	0.03434
1.00	0.03133	0.03169	0.03185	0.03184	0.03170	0.03143	0.03106	0.03059	0.03006	0.02946	0.02881
1.05	0.02360	0.02426	0.02473	0.02504	0.02522	0.02526	0.02520	0.02505	0.02481	0.02451	0.02414
1.10	0.01802	0.01877	0.01937	0.01983	0.02016	0.02039	0.02051	0.02055	0.02051	0.02040	0.02023
1.15	0.01399	0.01472	0.01533	0.01583	0.01624	0.01655	0.01678	0.01693	0.01701	0.01703	0.01699
1.20	0.01104	0.01170	0.01228	0.01277	0.01319	0.01353	0.01381	0.01402	0.01417	0.01426	0.01431
1.25	0.00884	0.00943	0.00995	0.01041	0.01081	0.01115	0.01144	0.01167	0.01186	0.01200	0.01209
1.30	0.00718	0.00769	0.00815	0.00857	0.00894	0.00926	0.00954	0.00978	0.00998	0.01014	0.01026
1.35	0.00590	0.00634	0.00675	0.00712	0.00745	0.00775	0.00802	0.00825	0.00845	0.00861	0.00875
1.40	0.00490	0.00528	0.00564	0.00597	0.00626	0.00654	0.00678	0.00700	0.00719	0.00736	0.00750
1.45	0.00411	0.00444	0.00475	0.00504	0.00530	0.00555	0.00577	0.00597	0.00615	0.00631	0.00645
1.50	0.00348	0.00376	0.00403	0.00429	0.00452	0.00474	0.00494	0.00513	0.00530	0.00545	0.00558
1.55	0.00296	0.00321	0.00345	0.00367	0.00388	0.00408	0.00426	0.00443	0.00458	0.00472	0.00485
1.60	0.00254	0.00276	0.00297	0.00316	0.00335	0.00352	0.00369	0.00384	0.00398	0.00411	0.00423
1.65	0.00220	0.00238	0.00257	0.00274	0.00291	0.00306	0.00321	0.00335	0.00348	0.00359	0.00370
1.70	0.00191	0.00207	0.00223	0.00239	0.00253	0.00267	0.00281	0.00293	0.00305	0.00316	0.00326
1.75	0.00166	0.00181	0.00195	0.00209	0.00222	0.00234	0.00246	0.00258	0.00268	0.00278	0.00288
1.80	0.00146	0.00159	0.00171	0.00184	0.00195	0.00207	0.00217	0.00227	0.00237	0.00246	0.00255
1.85	0.00128	0.00140	0.00151	0.00162	0.00173	0.00183	0.00192	0.00201	0.00210	0.00219	0.00226
1.90	0.00114	0.00124	0.00134	0.00144	0.00153	0.00162	0.00171	0.00179	0.00187	0.00195	0.00202
1.95	0.00101	0.00110	0.00119	0.00128	0.00136	0.00144	0.00152	0.00160	0.00167	0.00174	0.00181
2.00	0.00090	0.00098	0.00106	0.00114	0.00122	0.00129	0.00136	0.00143	0.00150	0.00156	0.00162

TABLE I. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(b) Continued. Half cone angle, 22.5.

Dimensionless axial position, η	Dimensionless radius, ρ										
	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50
-1.00	-0.00673	-0.00688	-0.00701	-0.00713	-0.00722	-0.00729	-0.00735	-0.00739	-0.00742	-0.00743	-0.00742
-0.95	-0.00779	-0.00795	-0.00808	-0.00820	-0.00829	-0.00835	-0.00840	-0.00843	-0.00844	-0.00843	-0.00840
-0.90	-0.00906	-0.00922	-0.00936	-0.00946	-0.00954	-0.00960	-0.00963	-0.00964	-0.00962	-0.00959	-0.00953
-0.85	-0.01058	-0.01074	-0.01087	-0.01097	-0.01103	-0.01107	-0.01107	-0.01105	-0.01100	-0.01093	-0.01084
-0.80	-0.01241	-0.01257	-0.01269	-0.01277	-0.01280	-0.01281	-0.01277	-0.01271	-0.01261	-0.01249	-0.01235
-0.75	-0.01464	-0.01478	-0.01488	-0.01492	-0.01491	-0.01487	-0.01478	-0.01465	-0.01450	-0.01431	-0.01410
-0.70	-0.01736	-0.01747	-0.01752	-0.01750	-0.01743	-0.01731	-0.01715	-0.01694	-0.01669	-0.01642	-0.01611
-0.65	-0.02069	-0.02074	-0.02072	-0.02062	-0.02046	-0.02023	-0.01995	-0.01963	-0.01926	-0.01886	-0.01843
-0.60	-0.02480	-0.02475	-0.02461	-0.02439	-0.02408	-0.02371	-0.02327	-0.02279	-0.02226	-0.02169	-0.02110
-0.55	-0.02988	-0.02968	-0.02937	-0.02895	-0.02844	-0.02785	-0.02720	-0.02649	-0.02573	-0.02495	-0.02414
-0.50	-0.03621	-0.03577	-0.03519	-0.03448	-0.03368	-0.03279	-0.03182	-0.03081	-0.02976	-0.02868	-0.02759
-0.45	-0.04412	-0.04330	-0.04232	-0.04120	-0.03996	-0.03864	-0.03725	-0.03582	-0.03437	-0.03290	-0.03145
-0.40	-0.05403	-0.05264	-0.05105	-0.04932	-0.04747	-0.04555	-0.04357	-0.04158	-0.03958	-0.03762	-0.03569
-0.35	-0.06648	-0.06421	-0.06173	-0.05910	-0.05638	-0.05360	-0.05082	-0.04806	-0.04536	-0.04274	-0.04022
-0.30	-0.08214	-0.07853	-0.07471	-0.07077	-0.06679	-0.06283	-0.05894	-0.05518	-0.05157	-0.04812	-0.04486
-0.25	-0.10181	-0.09613	-0.09030	-0.08444	-0.07867	-0.07307	-0.06771	-0.06264	-0.05787	-0.05341	-0.04928
-0.20	-0.12636	-0.11748	-0.10861	-0.09994	-0.09165	-0.08383	-0.07654	-0.06982	-0.06366	-0.05805	-0.05295
-0.15	-0.15668	-0.14271	-0.12918	-0.11641	-0.10462	-0.09388	-0.08423	-0.07560	-0.06792	-0.06111	-0.05508
-0.10	-0.19321	-0.17075	-0.14993	-0.13126	-0.11489	-0.10073	-0.08855	-0.07809	-0.06910	-0.06136	-0.05467
-0.05	-0.23451	-0.19615	-0.16379	-0.13767	-0.11674	-0.09987	-0.08611	-0.07477	-0.06533	-0.05740	-0.05069
0.00	-0.26205	-0.18691	-0.14814	-0.12132	-0.10134	-0.08584	-0.07351	-0.06349	-0.05525	-0.04838	-0.04260
0.05	-0.10866	-0.10022	-0.08881	-0.07746	-0.06731	-0.05855	-0.05110	-0.04477	-0.03938	-0.03478	-0.03083
0.10	-0.01666	-0.02391	-0.02724	-0.02804	-0.02737	-0.02592	-0.02411	-0.02219	-0.02030	-0.01850	-0.01683
0.15	0.04476	0.03100	0.02084	0.01347	0.00820	0.00449	0.00190	0.00012	-0.00108	-0.00188	-0.00238
0.20	0.08506	0.06865	0.05539	0.04472	0.03618	0.02935	0.02390	0.01955	0.01606	0.01325	0.01099
0.25	0.11002	0.09297	0.07862	0.06657	0.05647	0.04801	0.04094	0.03502	0.03006	0.02589	0.02239
0.30	0.12369	0.10714	0.09287	0.08058	0.07001	0.06092	0.05311	0.04641	0.04064	0.03568	0.03140
0.35	0.12911	0.11369	0.10018	0.08834	0.07798	0.06891	0.06098	0.05404	0.04797	0.04266	0.03800
0.40	0.12857	0.11462	0.10225	0.09127	0.08154	0.07291	0.06525	0.05846	0.05245	0.04711	0.04237
0.45	0.12385	0.11152	0.10048	0.09059	0.08172	0.07377	0.06664	0.06026	0.05453	0.04940	0.04479
0.50	0.11631	0.10564	0.09600	0.08728	0.07940	0.07227	0.06582	0.05998	0.05470	0.04992	0.04559
0.55	0.10701	0.09794	0.08969	0.08217	0.07532	0.06906	0.06335	0.05815	0.05339	0.04906	0.04510
0.60	0.09676	0.08921	0.08228	0.07591	0.07006	0.06469	0.05974	0.05519	0.05101	0.04716	0.04362
0.65	0.08618	0.08001	0.07431	0.06903	0.06413	0.05960	0.05539	0.05149	0.04788	0.04453	0.04143
0.70	0.07575	0.07082	0.06621	0.06191	0.05790	0.05414	0.05063	0.04735	0.04429	0.04143	0.03876
0.75	0.06580	0.06194	0.05831	0.05488	0.05165	0.04860	0.04573	0.04302	0.04047	0.03806	0.03580
0.80	0.05657	0.05363	0.05083	0.04816	0.04562	0.04319	0.04088	0.03868	0.03659	0.03460	0.03272
0.85	0.04821	0.04604	0.04394	0.04191	0.03995	0.03805	0.03623	0.03448	0.03280	0.03113	0.02964
0.90	0.04079	0.03924	0.03772	0.03621	0.03474	0.03329	0.03188	0.03051	0.02918	0.02789	0.02664
0.95	0.03434	0.03328	0.03220	0.03112	0.03004	0.02897	0.02790	0.02685	0.02581	0.02480	0.02381
1.00	0.02881	0.02812	0.02740	0.02665	0.02588	0.02510	0.02431	0.02352	0.02273	0.02195	0.02117
1.05	0.02414	0.02372	0.02326	0.02276	0.02224	0.02169	0.02112	0.02054	0.01995	0.01936	0.01876
1.10	0.02023	0.02001	0.01974	0.01943	0.01909	0.01871	0.01832	0.01790	0.01747	0.01703	0.01658
1.15	0.01699	0.01690	0.01676	0.01659	0.01638	0.01614	0.01588	0.01559	0.01528	0.01496	0.01462
1.20	0.01431	0.01431	0.01426	0.01418	0.01407	0.01393	0.01376	0.01357	0.01336	0.01313	0.01289
1.25	0.01209	0.01215	0.01217	0.01215	0.01211	0.01204	0.01194	0.01182	0.01168	0.01153	0.01136
1.30	0.01026	0.01035	0.01041	0.01044	0.01045	0.01042	0.01038	0.01031	0.01023	0.01013	0.01001
1.35	0.00875	0.00886	0.00894	0.00900	0.00904	0.00905	0.00904	0.00901	0.00897	0.00891	0.00883
1.40	0.00750	0.00762	0.00771	0.00779	0.00784	0.00788	0.00789	0.00789	0.00788	0.00785	0.00780
1.45	0.00645	0.00657	0.00668	0.00676	0.00683	0.00687	0.00691	0.00693	0.00693	0.00693	0.00691
1.50	0.00558	0.00570	0.00580	0.00589	0.00596	0.00602	0.00606	0.00610	0.00612	0.00612	0.00612
1.55	0.00485	0.00496	0.00506	0.00515	0.00522	0.00529	0.00534	0.00538	0.00541	0.00543	0.00544
1.60	0.00423	0.00434	0.00443	0.00452	0.00459	0.00466	0.00471	0.00476	0.00479	0.00482	0.00484
1.65	0.00370	0.00380	0.00390	0.00398	0.00405	0.00412	0.00417	0.00422	0.00426	0.00429	0.00432
1.70	0.00326	0.00335	0.00344	0.00352	0.00359	0.00365	0.00371	0.00375	0.00380	0.00383	0.00386
1.75	0.00288	0.00296	0.00304	0.00312	0.00318	0.00324	0.00330	0.00335	0.00339	0.00343	0.00346
1.80	0.00255	0.00263	0.00270	0.00277	0.00283	0.00289	0.00295	0.00299	0.00304	0.00307	0.00311
1.85	0.00226	0.00234	0.00241	0.00247	0.00253	0.00259	0.00264	0.00268	0.00272	0.00276	0.00279
1.90	0.00202	0.00209	0.00215	0.00221	0.00227	0.00232	0.00237	0.00241	0.00245	0.00249	0.00252
1.95	0.00181	0.00187	0.00193	0.00198	0.00204	0.00208	0.00213	0.00217	0.00221	0.00225	0.00228
2.00	0.00162	0.00168	0.00173	0.00178	0.00183	0.00188	0.00192	0.00196	0.00200	0.00203	0.00206

TABLE I. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(b) Concluded. Half cone angle, 22.5.

Dimensionless axial position, η	Dimensionless radius, ρ										
	1.50	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00
-1.00	-0.00742	-0.00740	-0.00737	-0.00733	-0.00728	-0.00721	-0.00714	-0.00706	-0.00697	-0.00687	-0.00677
-0.95	-0.00840	-0.00836	-0.00831	-0.00824	-0.00816	-0.00807	-0.00797	-0.00786	-0.00774	-0.00762	-0.00748
-0.90	-0.00953	-0.00946	-0.00938	-0.00928	-0.00916	-0.00903	-0.00890	-0.00875	-0.00860	-0.00844	-0.00827
-0.85	-0.01084	-0.01073	-0.01060	-0.01046	-0.01030	-0.01013	-0.00995	-0.00976	-0.00956	-0.00935	-0.00915
-0.80	-0.01235	-0.01219	-0.01200	-0.01180	-0.01159	-0.01136	-0.01112	-0.01087	-0.01062	-0.01036	-0.01010
-0.75	-0.01410	-0.01386	-0.01360	-0.01333	-0.01304	-0.01274	-0.01243	-0.01212	-0.01180	-0.01147	-0.01115
-0.70	-0.01611	-0.01578	-0.01543	-0.01506	-0.01468	-0.01429	-0.01389	-0.01349	-0.01309	-0.01268	-0.01228
-0.65	-0.01843	-0.01798	-0.01750	-0.01702	-0.01652	-0.01602	-0.01551	-0.01500	-0.01449	-0.01399	-0.01350
-0.60	-0.02110	-0.02048	-0.01985	-0.01921	-0.01856	-0.01792	-0.01728	-0.01664	-0.01601	-0.01539	-0.01479
-0.55	-0.02414	-0.02332	-0.02248	-0.02165	-0.02082	-0.02000	-0.01919	-0.01839	-0.01762	-0.01687	-0.01613
-0.50	-0.02759	-0.02649	-0.02540	-0.02432	-0.02326	-0.02223	-0.02122	-0.02024	-0.01929	-0.01838	-0.01750
-0.45	-0.03145	-0.03000	-0.02859	-0.02721	-0.02587	-0.02457	-0.02333	-0.02213	-0.02098	-0.01989	-0.01885
-0.40	-0.03569	-0.03381	-0.03199	-0.03024	-0.02856	-0.02696	-0.02544	-0.02399	-0.02263	-0.02133	-0.02011
-0.35	-0.04022	-0.03780	-0.03549	-0.03330	-0.03123	-0.02928	-0.02745	-0.02573	-0.02412	-0.02261	-0.02121
-0.30	-0.04486	-0.04179	-0.03891	-0.03622	-0.03371	-0.03137	-0.02921	-0.02720	-0.02534	-0.02362	-0.02203
-0.25	-0.04928	-0.04546	-0.04194	-0.03870	-0.03573	-0.03301	-0.03051	-0.02823	-0.02613	-0.02422	-0.02246
-0.20	-0.05295	-0.04833	-0.04415	-0.04038	-0.03697	-0.03389	-0.03111	-0.02859	-0.02631	-0.02424	-0.02237
-0.15	-0.05508	-0.04973	-0.04499	-0.04078	-0.03704	-0.03371	-0.03073	-0.02807	-0.02569	-0.02354	-0.02162
-0.10	-0.05467	-0.04886	-0.04381	-0.03940	-0.03553	-0.03212	-0.02912	-0.02646	-0.02410	-0.02199	-0.02011
-0.05	-0.05069	-0.04497	-0.04005	-0.03581	-0.03213	-0.02892	-0.02611	-0.02363	-0.02145	-0.01952	-0.01780
0.00	-0.04260	-0.03769	-0.03350	-0.02989	-0.02677	-0.02406	-0.02169	-0.01960	-0.01777	-0.01615	-0.01471
0.05	-0.03083	-0.02743	-0.02450	-0.02194	-0.01971	-0.01776	-0.01605	-0.01454	-0.01320	-0.01201	-0.01096
0.10	-0.01683	-0.01530	-0.01390	-0.01265	-0.01151	-0.01049	-0.00958	-0.00875	-0.00801	-0.00734	-0.00673
0.15	-0.00238	-0.00269	-0.00284	-0.00290	-0.00289	-0.00284	-0.00275	-0.00264	-0.00253	-0.00240	-0.00228
0.20	0.01099	0.00916	0.00767	0.00645	0.00545	0.00463	0.00394	0.00337	0.00290	0.00250	0.00216
0.25	0.02239	0.01943	0.01692	0.01480	0.01298	0.01143	0.01010	0.00895	0.00796	0.00710	0.00636
0.30	0.03140	0.02771	0.02452	0.02176	0.01936	0.01727	0.01544	0.01385	0.01245	0.01121	0.01013
0.35	0.03800	0.03392	0.03034	0.02719	0.02442	0.02197	0.01981	0.01790	0.01620	0.01470	0.01336
0.40	0.04237	0.03817	0.03443	0.03111	0.02815	0.02551	0.02316	0.02106	0.01918	0.01749	0.01598
0.45	0.04479	0.04066	0.03695	0.03362	0.03063	0.02794	0.02551	0.02333	0.02136	0.01959	0.01798
0.50	0.04559	0.04167	0.03813	0.03491	0.03200	0.02936	0.02696	0.02479	0.02281	0.02101	0.01938
0.55	0.04510	0.04149	0.03819	0.03517	0.03242	0.02991	0.02761	0.02551	0.02359	0.02183	0.02023
0.60	0.04362	0.04036	0.03737	0.03461	0.03208	0.02974	0.02760	0.02562	0.02380	0.02213	0.02058
0.65	0.04143	0.03855	0.03589	0.03342	0.03113	0.02901	0.02704	0.02522	0.02354	0.02198	0.02053
0.70	0.03876	0.03626	0.03393	0.03176	0.02973	0.02784	0.02608	0.02443	0.02290	0.02147	0.02014
0.75	0.03580	0.03367	0.03167	0.02979	0.02802	0.02636	0.02480	0.02334	0.02197	0.02068	0.01948
0.80	0.03272	0.03093	0.02924	0.02763	0.02612	0.02468	0.02333	0.02205	0.02084	0.01970	0.01862
0.85	0.02964	0.02816	0.02675	0.02540	0.02412	0.02289	0.02173	0.02062	0.01957	0.01857	0.01762
0.90	0.02664	0.02544	0.02428	0.02316	0.02209	0.02106	0.02008	0.01913	0.01823	0.01737	0.01654
0.95	0.02381	0.02284	0.02190	0.02099	0.02011	0.01925	0.01842	0.01763	0.01686	0.01612	0.01541
1.00	0.02117	0.02041	0.01966	0.01892	0.01820	0.01750	0.01681	0.01615	0.01550	0.01488	0.01428
1.05	0.01876	0.01816	0.01757	0.01698	0.01640	0.01583	0.01527	0.01473	0.01419	0.01367	0.01316
1.10	0.01658	0.01612	0.01566	0.01520	0.01474	0.01428	0.01382	0.01338	0.01293	0.01250	0.01207
1.15	0.01462	0.01428	0.01392	0.01357	0.01320	0.01284	0.01248	0.01211	0.01175	0.01140	0.01104
1.20	0.01289	0.01263	0.01237	0.01209	0.01181	0.01153	0.01124	0.01095	0.01066	0.01036	0.01007
1.25	0.01136	0.01117	0.01098	0.01077	0.01055	0.01033	0.01011	0.00988	0.00964	0.00941	0.00917
1.30	0.01001	0.00988	0.00974	0.00959	0.00943	0.00926	0.00908	0.00890	0.00872	0.00853	0.00834
1.35	0.00883	0.00875	0.00865	0.00854	0.00842	0.00829	0.00816	0.00802	0.00787	0.00772	0.00757
1.40	0.00780	0.00775	0.00768	0.00761	0.00752	0.00743	0.00733	0.00722	0.00711	0.00699	0.00687
1.45	0.00691	0.00688	0.00683	0.00678	0.00673	0.00666	0.00659	0.00651	0.00642	0.00633	0.00623
1.50	0.00612	0.00611	0.00609	0.00606	0.00602	0.00597	0.00592	0.00586	0.00580	0.00573	0.00566
1.55	0.00544	0.00544	0.00543	0.00542	0.00539	0.00537	0.00533	0.00529	0.00524	0.00519	0.00513
1.60	0.00484	0.00485	0.00485	0.00485	0.00484	0.00482	0.00480	0.00477	0.00474	0.00470	0.00466
1.65	0.00432	0.00434	0.00435	0.00435	0.00435	0.00434	0.00433	0.00431	0.00429	0.00427	0.00424
1.70	0.00386	0.00388	0.00390	0.00391	0.00392	0.00392	0.00391	0.00390	0.00389	0.00387	0.00385
1.75	0.00346	0.00348	0.00351	0.00352	0.00353	0.00354	0.00354	0.00354	0.00353	0.00352	0.00351
1.80	0.00311	0.00313	0.00316	0.00318	0.00319	0.00320	0.00321	0.00321	0.00321	0.00320	0.00320
1.85	0.00279	0.00282	0.00285	0.00287	0.00289	0.00290	0.00291	0.00292	0.00292	0.00292	0.00292
1.90	0.00252	0.00255	0.00258	0.00260	0.00262	0.00263	0.00264	0.00265	0.00266	0.00266	0.00266
1.95	0.00228	0.00231	0.00233	0.00236	0.00237	0.00239	0.00241	0.00242	0.00243	0.00243	0.00243
2.00	0.00206	0.00209	0.00212	0.00214	0.00216	0.00218	0.00219	0.00221	0.00222	0.00222	0.00223

TABLE 1. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_\rho/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(c) Half cone angle, 30.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50
-1.00	0.	-0.00147	-0.00292	-0.00436	-0.00576	-0.00712	-0.00844	-0.00969	-0.01088	-0.01200	-0.01304
-0.95	0.	-0.00171	-0.00341	-0.00509	-0.00672	-0.00831	-0.00983	-0.01129	-0.01266	-0.01394	-0.01513
-0.90	0.	-0.00201	-0.00401	-0.00598	-0.00789	-0.00975	-0.01152	-0.01321	-0.01480	-0.01627	-0.01763
-0.85	0.	-0.00238	-0.00474	-0.00706	-0.00932	-0.01150	-0.01358	-0.01555	-0.01739	-0.01909	-0.02065
-0.80	0.	-0.00283	-0.00564	-0.00840	-0.01107	-0.01365	-0.01610	-0.01840	-0.02055	-0.02252	-0.02431
-0.75	0.	-0.00339	-0.00675	-0.01004	-0.01323	-0.01629	-0.01920	-0.02192	-0.02443	-0.02673	-0.02878
-0.70	0.	-0.00409	-0.00814	-0.01210	-0.01592	-0.01959	-0.02304	-0.02626	-0.02923	-0.03190	-0.03428
-0.65	0.	-0.00497	-0.00988	-0.01467	-0.01930	-0.02370	-0.02785	-0.03169	-0.03519	-0.03833	-0.04108
-0.60	0.	-0.00608	-0.01208	-0.01793	-0.02356	-0.02890	-0.03390	-0.03850	-0.04266	-0.04635	-0.04954
-0.55	0.	-0.00749	-0.01489	-0.02208	-0.02898	-0.03551	-0.04157	-0.04712	-0.05209	-0.05644	-0.06015
-0.50	0.	-0.00932	-0.01850	-0.02742	-0.03595	-0.04397	-0.05139	-0.05811	-0.06408	-0.06923	-0.07355
-0.45	0.	-0.01169	-0.02320	-0.03435	-0.04497	-0.05491	-0.06404	-0.07225	-0.07945	-0.08557	-0.09058
-0.40	0.	-0.01480	-0.02936	-0.04342	-0.05676	-0.06918	-0.08050	-0.09057	-0.09930	-0.10659	-0.11241
-0.35	0.	-0.01893	-0.03751	-0.05541	-0.07231	-0.08795	-0.10208	-0.11452	-0.12514	-0.13384	-0.14058
-0.30	0.	-0.02448	-0.04845	-0.07146	-0.09307	-0.11290	-0.13065	-0.14609	-0.15905	-0.16943	-0.17719
-0.25	0.	-0.03205	-0.06336	-0.09325	-0.12111	-0.14644	-0.16885	-0.18806	-0.20389	-0.21624	-0.22509
-0.20	0.	-0.04264	-0.08413	-0.12342	-0.15964	-0.19215	-0.22047	-0.24433	-0.26356	-0.27813	-0.28807
-0.15	0.	-0.05802	-0.11403	-0.16636	-0.21376	-0.25546	-0.29105	-0.32038	-0.34343	-0.36029	-0.37112
-0.10	0.	-0.08196	-0.15971	-0.23029	-0.29222	-0.34504	-0.38883	-0.42391	-0.45065	-0.46945	-0.48064
-0.05	0.	-0.12547	-0.23765	-0.33251	-0.41096	-0.47486	-0.52589	-0.56542	-0.59450	-0.61392	-0.62430
0.00	0.	-0.25009	-0.39998	-0.51178	-0.59858	-0.66648	-0.71900	-0.75839	-0.78616	-0.80337	-0.81073
0.05	0.	-0.11827	-0.22321	-0.31078	-0.38184	-0.43821	-0.48153	-0.51313	-0.53399	-0.54484	-0.54620
0.10	0.	-0.06768	-0.13110	-0.18722	-0.23450	-0.27243	-0.30099	-0.32042	-0.33099	-0.33295	-0.32651
0.15	0.	-0.03689	-0.07171	-0.10266	-0.12844	-0.14818	-0.16137	-0.16772	-0.16709	-0.15943	-0.14470
0.20	0.	-0.01499	-0.02873	-0.04009	-0.04808	-0.05196	-0.05114	-0.04520	-0.03384	-0.01687	0.00589
0.25	0.	0.00175	0.00433	0.00855	0.01510	0.02462	0.03760	0.05445	0.07551	0.10102	0.13117
0.30	0.	0.01507	0.03073	0.04758	0.06613	0.08688	0.11025	0.13659	0.16621	0.19934	0.23618
0.35	0.	0.02595	0.05235	0.07963	0.10819	0.13843	0.17067	0.20521	0.24232	0.28220	0.32502
0.40	0.	0.03503	0.07040	0.10644	0.14347	0.18178	0.22165	0.26331	0.30698	0.35284	0.40103
0.45	0.	0.04274	0.08575	0.12927	0.17355	0.21882	0.26530	0.31319	0.36264	0.41382	0.46684
0.50	0.	0.04941	0.09902	0.14902	0.19961	0.25096	0.30325	0.35663	0.41124	0.46719	0.52460
0.55	0.	0.05527	0.11069	0.16641	0.22257	0.27932	0.33678	0.39508	0.45432	0.51460	0.45566
0.60	0.	0.06052	0.12115	0.18200	0.24318	0.30478	0.36692	0.42967	0.49314	0.43754	0.39089
0.65	0.	0.06533	0.13073	0.19629	0.26206	0.32812	0.39454	0.46140	0.40955	0.36707	0.33114
0.70	0.	0.06985	0.13973	0.20969	0.27976	0.34999	0.42043	0.37273	0.33499	0.30375	0.27701
0.75	0.	0.07422	0.14844	0.22265	0.29685	0.37106	0.32801	0.29566	0.26972	0.24789	0.22888
0.80	0.	0.07864	0.15720	0.23564	0.31392	0.27622	0.25015	0.23021	0.21381	0.19963	0.18691
0.85	0.	0.08335	0.16651	0.24935	0.21820	0.19964	0.18654	0.17612	0.16710	0.15885	0.15108
0.90	0.	0.08886	0.17725	0.15496	0.14577	0.14051	0.13651	0.13284	0.12912	0.12523	0.12113
0.95	0.	0.09656	0.08860	0.09146	0.09482	0.09734	0.09884	0.09940	0.09914	0.09819	0.09665
1.00	0.	0.02791	0.04334	0.05413	0.06196	0.06765	0.07169	0.07443	0.07611	0.07692	0.07702
1.05	0.	0.01324	0.02486	0.03441	0.04206	0.04808	0.05274	0.05624	0.05878	0.06050	0.06153
1.10	0.	0.00851	0.01654	0.02375	0.03001	0.03528	0.03963	0.04313	0.04588	0.04795	0.04942
1.15	0.	0.00607	0.01193	0.01739	0.02233	0.02670	0.03047	0.03365	0.03627	0.03837	0.03999
1.20	0.	0.00457	0.00902	0.01325	0.01717	0.02074	0.02391	0.02668	0.02905	0.03103	0.03264
1.25	0.	0.00355	0.00703	0.01038	0.01354	0.01646	0.01911	0.02149	0.02357	0.02536	0.02688
1.30	0.	0.00283	0.00561	0.00831	0.01088	0.01329	0.01551	0.01753	0.01935	0.02094	0.02232
1.35	0.	0.00230	0.00456	0.00676	0.00888	0.01088	0.01275	0.01448	0.01605	0.01745	0.01869
1.40	0.	0.00189	0.00376	0.00558	0.00734	0.00902	0.01060	0.01208	0.01344	0.01467	0.01577
1.45	0.	0.00157	0.00313	0.00466	0.00614	0.00756	0.00891	0.01017	0.01135	0.01243	0.01341
1.50	0.	0.00133	0.00264	0.00393	0.00518	0.00639	0.00754	0.00863	0.00965	0.01060	0.01147
1.55	0.	0.00113	0.00224	0.00334	0.00441	0.00544	0.00644	0.00738	0.00827	0.00910	0.00987
1.60	0.	0.00096	0.00192	0.00286	0.00378	0.00467	0.00553	0.00635	0.00713	0.00786	0.00854
1.65	0.	0.00083	0.00165	0.00247	0.00326	0.00404	0.00478	0.00550	0.00618	0.00683	0.00744
1.70	0.	0.00072	0.00143	0.00214	0.00283	0.00351	0.00416	0.00479	0.00539	0.00596	0.00650
1.75	0.	0.00063	0.00125	0.00187	0.00247	0.00306	0.00364	0.00419	0.00472	0.00523	0.00571
1.80	0.	0.00055	0.00110	0.00164	0.00217	0.00269	0.00319	0.00368	0.00416	0.00461	0.00504
1.85	0.	0.00048	0.00096	0.00144	0.00191	0.00237	0.00282	0.00325	0.00367	0.00407	0.00446
1.90	0.	0.00043	0.00085	0.00127	0.00169	0.00210	0.00250	0.00288	0.00326	0.00362	0.00396
1.95	0.	0.00038	0.00076	0.00113	0.00150	0.00186	0.00222	0.00256	0.00290	0.00322	0.00353
2.00	0.	0.00034	0.00067	0.00101	0.00134	0.00166	0.00198	0.00229	0.00259	0.00288	0.00316

TABLE I. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(c) Continued. Half cone angle, 30.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00
-1.00	-0.01304	-0.01400	-0.01487	-0.01566	-0.01636	-0.01696	-0.01748	-0.01791	-0.01826	-0.01852	-0.01870
-0.95	-0.01513	-0.01621	-0.01719	-0.01807	-0.01883	-0.01949	-0.02004	-0.02048	-0.02082	-0.02107	-0.02122
-0.90	-0.01763	-0.01886	-0.01996	-0.02093	-0.02177	-0.02247	-0.02305	-0.02350	-0.02383	-0.02404	-0.02414
-0.85	-0.02065	-0.02204	-0.02328	-0.02436	-0.02527	-0.02603	-0.02662	-0.02706	-0.02736	-0.02752	-0.02755
-0.80	-0.02431	-0.02590	-0.02729	-0.02849	-0.02947	-0.03027	-0.03087	-0.03128	-0.03152	-0.03159	-0.03152
-0.75	-0.02878	-0.03060	-0.03216	-0.03347	-0.03453	-0.03535	-0.03593	-0.03629	-0.03644	-0.03639	-0.03617
-0.70	-0.03428	-0.03635	-0.03810	-0.03954	-0.04066	-0.04148	-0.04201	-0.04227	-0.04228	-0.04205	-0.04162
-0.65	-0.04108	-0.04344	-0.04539	-0.04695	-0.04811	-0.04890	-0.04934	-0.04943	-0.04923	-0.04874	-0.04802
-0.60	-0.04954	-0.05223	-0.05440	-0.05606	-0.05723	-0.05794	-0.05819	-0.05805	-0.05753	-0.05668	-0.05554
-0.55	-0.06015	-0.06320	-0.06559	-0.06734	-0.06846	-0.06898	-0.06896	-0.06844	-0.06746	-0.06610	-0.06441
-0.50	-0.07355	-0.07700	-0.07960	-0.08137	-0.08234	-0.08257	-0.08210	-0.08102	-0.07940	-0.07732	-0.07486
-0.45	-0.09058	-0.09447	-0.09725	-0.09895	-0.09963	-0.09935	-0.09822	-0.09632	-0.09378	-0.09069	-0.08716
-0.40	-0.11241	-0.11675	-0.11963	-0.12111	-0.12127	-0.12022	-0.11808	-0.11500	-0.11113	-0.10662	-0.10165
-0.35	-0.14058	-0.14536	-0.14822	-0.14924	-0.14856	-0.14631	-0.14268	-0.13788	-0.13212	-0.12563	-0.11864
-0.30	-0.17719	-0.18235	-0.18498	-0.18519	-0.18317	-0.17912	-0.17331	-0.16602	-0.15756	-0.14828	-0.13848
-0.25	-0.22509	-0.23049	-0.23256	-0.23145	-0.22740	-0.22070	-0.21170	-0.20080	-0.18848	-0.17520	-0.16146
-0.20	-0.28807	-0.29347	-0.29449	-0.29135	-0.28434	-0.27381	-0.26021	-0.24411	-0.22617	-0.20712	-0.18774
-0.15	-0.37112	-0.37610	-0.37544	-0.36938	-0.35823	-0.34235	-0.32227	-0.29866	-0.27245	-0.24482	-0.21709
-0.10	-0.48064	-0.48452	-0.48137	-0.47141	-0.45486	-0.43197	-0.40312	-0.36889	-0.33035	-0.28930	-0.24837
-0.05	-0.62430	-0.62605	-0.61947	-0.60472	-0.58183	-0.55074	-0.51128	-0.46325	-0.40672	-0.34304	-0.27762
0.00	-0.81073	-0.80872	-0.79760	-0.77742	-0.74802	-0.70897	-0.65946	-0.59803	-0.52200	-0.42537	-0.27882
0.05	-0.54620	-0.53838	-0.52152	-0.49557	-0.46028	-0.41515	-0.35931	-0.29141	-0.20940	-0.11060	-0.11657
0.10	-0.32651	-0.31177	-0.28875	-0.25735	-0.21738	-0.16851	-0.11029	-0.04223	0.03611	0.00211	-0.01842
0.15	-0.14470	-0.12285	-0.09383	-0.05755	-0.01389	0.03726	0.09602	0.16240	0.11383	0.07684	0.04979
0.20	0.00589	0.03453	0.06917	0.10987	0.15668	0.20962	0.26863	0.21132	0.16450	0.12690	0.09725
0.25	0.13117	0.16611	0.20595	0.25074	0.30050	0.35522	0.29270	0.23996	0.19583	0.15925	0.12922
0.30	0.23618	0.27686	0.32150	0.37013	0.42279	0.35754	0.30156	0.25368	0.21292	0.17840	0.14934
0.35	0.32502	0.37092	0.41999	0.47228	0.40613	0.34888	0.29931	0.25644	0.21945	0.18762	0.16034
0.40	0.40103	0.45167	0.50484	0.43918	0.38217	0.33249	0.28911	0.25123	0.21818	0.18939	0.16436
0.45	0.46684	0.52181	0.45767	0.40207	0.35350	0.31089	0.27340	0.24037	0.21127	0.18566	0.16313
0.50	0.52460	0.46277	0.40946	0.36299	0.32215	0.28607	0.25408	0.22567	0.20042	0.17797	0.15803
0.55	0.45566	0.40538	0.36178	0.32354	0.28970	0.25958	0.23267	0.20857	0.18696	0.16757	0.15019
0.60	0.39089	0.35083	0.31585	0.28493	0.25736	0.23261	0.21032	0.19017	0.17195	0.15545	0.14052
0.65	0.33114	0.30002	0.27259	0.24811	0.22607	0.20610	0.18794	0.17136	0.15623	0.14240	0.12976
0.70	0.27701	0.25357	0.23266	0.21376	0.19653	0.18074	0.16622	0.15282	0.14045	0.12903	0.11848
0.75	0.22888	0.21191	0.19650	0.18234	0.16923	0.15704	0.14566	0.13503	0.12510	0.11582	0.10716
0.80	0.18691	0.17525	0.16438	0.15415	0.14449	0.13532	0.12662	0.11836	0.11053	0.10312	0.09612
0.85	0.15108	0.14361	0.13637	0.12932	0.12246	0.11579	0.10931	0.10305	0.09700	0.09119	0.08562
0.90	0.12113	0.11685	0.11240	0.10783	0.10319	0.09852	0.09385	0.08922	0.08465	0.08018	0.07583
0.95	0.09665	0.09464	0.09224	0.08954	0.08659	0.08347	0.08023	0.07691	0.07355	0.07018	0.06684
1.00	0.07702	0.07653	0.07556	0.07419	0.07249	0.07055	0.06840	0.06611	0.06370	0.06123	0.05871
1.05	0.06153	0.06197	0.06193	0.06146	0.06066	0.05956	0.05824	0.05673	0.05507	0.05330	0.05144
1.10	0.04942	0.05038	0.05089	0.05101	0.05080	0.05031	0.04958	0.04865	0.04756	0.04633	0.04501
1.15	0.03999	0.04119	0.04201	0.04248	0.04265	0.04257	0.04225	0.04175	0.04108	0.04027	0.03935
1.20	0.03264	0.03391	0.03486	0.03553	0.03593	0.03611	0.03608	0.03587	0.03551	0.03501	0.03440
1.25	0.02688	0.02812	0.02911	0.02986	0.03040	0.03073	0.03089	0.03089	0.03075	0.03048	0.03010
1.30	0.02232	0.02349	0.02446	0.02524	0.02583	0.02626	0.02653	0.02667	0.02668	0.02657	0.02637
1.35	0.01869	0.01977	0.02068	0.02144	0.02206	0.02253	0.02287	0.02309	0.02321	0.02322	0.02314
1.40	0.01577	0.01675	0.01760	0.01832	0.01892	0.01941	0.01979	0.02006	0.02024	0.02033	0.02034
1.45	0.01341	0.01428	0.01506	0.01574	0.01631	0.01679	0.01718	0.01749	0.01771	0.01785	0.01792
1.50	0.01147	0.01226	0.01296	0.01359	0.01413	0.01459	0.01498	0.01529	0.01554	0.01571	0.01583
1.55	0.00987	0.01058	0.01121	0.01179	0.01229	0.01273	0.01311	0.01342	0.01367	0.01387	0.01401
1.60	0.00854	0.00917	0.00975	0.01027	0.01074	0.01115	0.01151	0.01182	0.01207	0.01228	0.01244
1.65	0.00744	0.00800	0.00852	0.00899	0.00942	0.00980	0.01014	0.01044	0.01069	0.01090	0.01107
1.70	0.00650	0.00700	0.00747	0.00790	0.00830	0.00865	0.00897	0.00925	0.00949	0.00970	0.00987
1.75	0.00571	0.00616	0.00658	0.00697	0.00733	0.00766	0.00796	0.00822	0.00845	0.00866	0.00883
1.80	0.00504	0.00544	0.00582	0.00618	0.00651	0.00681	0.00708	0.00733	0.00755	0.00775	0.00791
1.85	0.00446	0.00482	0.00517	0.00549	0.00579	0.00607	0.00632	0.00655	0.00676	0.00695	0.00711
1.90	0.00396	0.00429	0.00460	0.00490	0.00517	0.00542	0.00566	0.00588	0.00607	0.00625	0.00641
1.95	0.00353	0.00383	0.00411	0.00438	0.00463	0.00486	0.00508	0.00528	0.00547	0.00563	0.00578
2.00	0.00316	0.00343	0.00369	0.00393	0.00416	0.00437	0.00457	0.00476	0.00493	0.00509	0.00523

TABLE I. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(c) Continued. Half cone angle, 30.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50
-1.00	-0.01870	-0.01881	-0.01885	-0.01882	-0.01873	-0.01859	-0.01839	-0.01816	-0.01788	-0.01756	-0.01722
-0.95	-0.02122	-0.02128	-0.02127	-0.02117	-0.02101	-0.02079	-0.02051	-0.02019	-0.01982	-0.01941	-0.01897
-0.90	-0.02414	-0.02414	-0.02405	-0.02387	-0.02362	-0.02329	-0.02290	-0.02247	-0.02198	-0.02146	-0.02091
-0.85	-0.02755	-0.02746	-0.02726	-0.02697	-0.02658	-0.02613	-0.02560	-0.02502	-0.02440	-0.02374	-0.02304
-0.80	-0.03152	-0.03131	-0.03097	-0.03052	-0.02997	-0.02935	-0.02865	-0.02789	-0.02709	-0.02625	-0.02539
-0.75	-0.03617	-0.03578	-0.03525	-0.03460	-0.03384	-0.03300	-0.03208	-0.03110	-0.03008	-0.02903	-0.02796
-0.70	-0.04162	-0.04099	-0.04021	-0.03929	-0.03826	-0.03713	-0.03593	-0.03467	-0.03338	-0.03207	-0.03075
-0.65	-0.04802	-0.04707	-0.04595	-0.04468	-0.04328	-0.04179	-0.04024	-0.03864	-0.03702	-0.03539	-0.03377
-0.60	-0.05554	-0.05417	-0.05259	-0.05085	-0.04899	-0.04704	-0.04504	-0.04301	-0.04098	-0.03897	-0.03699
-0.55	-0.06441	-0.06244	-0.06026	-0.05791	-0.05545	-0.05292	-0.05036	-0.04780	-0.04527	-0.04279	-0.04038
-0.50	-0.07486	-0.07209	-0.06910	-0.06596	-0.06272	-0.05945	-0.05619	-0.05297	-0.04983	-0.04680	-0.04389
-0.45	-0.08716	-0.08332	-0.07926	-0.07507	-0.07083	-0.06662	-0.06248	-0.05847	-0.05460	-0.05092	-0.04743
-0.40	-0.10165	-0.09634	-0.09085	-0.08529	-0.07977	-0.07437	-0.06915	-0.06417	-0.05945	-0.05501	-0.05085
-0.35	-0.11864	-0.11134	-0.10394	-0.09659	-0.08943	-0.08254	-0.07601	-0.06987	-0.06415	-0.05885	-0.05398
-0.30	-0.13848	-0.12847	-0.11851	-0.10882	-0.09956	-0.09084	-0.08273	-0.07525	-0.06840	-0.06218	-0.05653
-0.25	-0.16146	-0.14770	-0.13431	-0.12156	-0.10967	-0.09872	-0.08877	-0.07980	-0.07176	-0.06458	-0.05818
-0.20	-0.18774	-0.16873	-0.15068	-0.13398	-0.11883	-0.10530	-0.09334	-0.08282	-0.07360	-0.06555	-0.05850
-0.15	-0.21709	-0.19054	-0.16614	-0.14440	-0.12546	-0.10915	-0.09522	-0.08333	-0.07318	-0.06449	-0.05704
-0.10	-0.24837	-0.21041	-0.17733	-0.14963	-0.12685	-0.10819	-0.09286	-0.08019	-0.06965	-0.06083	-0.05338
-0.05	-0.27762	-0.22049	-0.17664	-0.14391	-0.11909	-0.09984	-0.08461	-0.07236	-0.06236	-0.05412	-0.04724
0.00	-0.27882	-0.19210	-0.14902	-0.11989	-0.09860	-0.08236	-0.06962	-0.05943	-0.05115	-0.04433	-0.03866
0.05	-0.11657	-0.10674	-0.09218	-0.07839	-0.06665	-0.05691	-0.04886	-0.04219	-0.03663	-0.03196	-0.02803
0.10	-0.01842	-0.02862	-0.03215	-0.03204	-0.03021	-0.02771	-0.02506	-0.02250	-0.02013	-0.01800	-0.01609
0.15	0.04979	0.03082	0.01801	0.00960	0.00421	0.00081	-0.00128	-0.00253	-0.00324	-0.00360	-0.00373
0.20	0.09725	0.07428	0.05672	0.04345	0.03346	0.02595	0.02028	0.01599	0.01271	0.01018	0.00822
0.25	0.12922	0.10480	0.08510	0.06930	0.05666	0.04656	0.03849	0.03201	0.02679	0.02257	0.01913
0.30	0.14934	0.12501	0.10474	0.08792	0.07399	0.06248	0.05296	0.04509	0.03855	0.03311	0.02857
0.35	0.16034	0.13703	0.11719	0.10035	0.08608	0.07400	0.06379	0.05515	0.04783	0.04162	0.03634
0.40	0.16436	0.14266	0.12388	0.10766	0.09368	0.08164	0.07129	0.06237	0.05470	0.04809	0.04239
0.45	0.16313	0.14335	0.12601	0.11083	0.09757	0.08598	0.07588	0.06706	0.05937	0.05266	0.04680
0.50	0.15803	0.14033	0.12464	0.11075	0.09846	0.08761	0.07802	0.06956	0.06210	0.05552	0.04971
0.55	0.15019	0.13460	0.12065	0.10817	0.09702	0.08706	0.07817	0.07025	0.06319	0.05690	0.05129
0.60	0.14052	0.12701	0.11479	0.10376	0.09381	0.08483	0.07675	0.06947	0.06293	0.05704	0.05175
0.65	0.12976	0.11821	0.10768	0.09807	0.08932	0.08136	0.07412	0.06755	0.06159	0.05618	0.05127
0.70	0.11848	0.10876	0.09980	0.09155	0.08397	0.07701	0.07063	0.06478	0.05942	0.05453	0.05005
0.75	0.10716	0.09909	0.09157	0.08459	0.07810	0.07210	0.06654	0.06140	0.05666	0.05229	0.04827
0.80	0.09612	0.08952	0.08330	0.07746	0.07199	0.06687	0.06210	0.05764	0.05349	0.04964	0.04606
0.85	0.08562	0.08030	0.07523	0.07041	0.06585	0.06155	0.05748	0.05366	0.05008	0.04672	0.04357
0.90	0.07583	0.07160	0.06753	0.06361	0.05985	0.05627	0.05286	0.04962	0.04655	0.04365	0.04091
0.95	0.06684	0.06355	0.06031	0.05717	0.05411	0.05116	0.04833	0.04561	0.04300	0.04053	0.03817
1.00	0.05871	0.05618	0.05366	0.05116	0.04871	0.04631	0.04398	0.04172	0.03953	0.03743	0.03542
1.05	0.05144	0.04954	0.04760	0.04565	0.04370	0.04177	0.03987	0.03801	0.03619	0.03443	0.03272
1.10	0.04501	0.04360	0.04213	0.04063	0.03910	0.03757	0.03604	0.03452	0.03302	0.03155	0.03012
1.15	0.03935	0.03833	0.03725	0.03611	0.03493	0.03372	0.03250	0.03127	0.03005	0.02884	0.02764
1.20	0.03440	0.03369	0.03291	0.03206	0.03116	0.03022	0.02926	0.02828	0.02729	0.02629	0.02530
1.25	0.03010	0.02963	0.02908	0.02846	0.02778	0.02707	0.02632	0.02554	0.02474	0.02393	0.02312
1.30	0.02637	0.02607	0.02570	0.02527	0.02477	0.02423	0.02365	0.02304	0.02241	0.02176	0.02110
1.35	0.02314	0.02297	0.02274	0.02245	0.02209	0.02170	0.02126	0.02079	0.02029	0.01977	0.01923
1.40	0.02034	0.02028	0.02015	0.01996	0.01972	0.01943	0.01911	0.01875	0.01836	0.01795	0.01752
1.45	0.01792	0.01793	0.01788	0.01777	0.01762	0.01742	0.01719	0.01692	0.01662	0.01630	0.01596
1.50	0.01583	0.01589	0.01589	0.01585	0.01576	0.01563	0.01547	0.01527	0.01505	0.01480	0.01453
1.55	0.01401	0.01411	0.01415	0.01416	0.01412	0.01404	0.01394	0.01380	0.01363	0.01345	0.01324
1.60	0.01244	0.01255	0.01263	0.01267	0.01267	0.01263	0.01257	0.01248	0.01236	0.01222	0.01206
1.65	0.01107	0.01120	0.01129	0.01135	0.01138	0.01138	0.01135	0.01130	0.01122	0.01112	0.01100
1.70	0.00987	0.01001	0.01012	0.01020	0.01025	0.01027	0.01026	0.01024	0.01019	0.01012	0.01004
1.75	0.00883	0.00897	0.00909	0.00918	0.00924	0.00928	0.00930	0.00929	0.00927	0.00923	0.00917
1.80	0.00791	0.00806	0.00818	0.00827	0.00835	0.00840	0.00843	0.00844	0.00844	0.00842	0.00838
1.85	0.00711	0.00725	0.00737	0.00747	0.00755	0.00761	0.00766	0.00768	0.00769	0.00769	0.00767
1.90	0.00641	0.00654	0.00666	0.00676	0.00685	0.00691	0.00696	0.00700	0.00702	0.00703	0.00702
1.95	0.00578	0.00592	0.00603	0.00613	0.00622	0.00629	0.00635	0.00639	0.00642	0.00643	0.00644
2.00	0.00523	0.00536	0.00547	0.00557	0.00566	0.00573	0.00579	0.00584	0.00587	0.00590	0.00591

TABLE 1. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(c) Concluded. Half cone angle, 30.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	1.50	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00
-1.00	-0.01722	-0.01685	-0.01646	-0.01605	-0.01563	-0.01520	-0.01477	-0.01432	-0.01388	-0.01344	-0.01300
-0.95	-0.01897	-0.01851	-0.01803	-0.01753	-0.01702	-0.01650	-0.01598	-0.01546	-0.01494	-0.01442	-0.01391
-0.90	-0.02091	-0.02033	-0.01974	-0.01913	-0.01852	-0.01790	-0.01728	-0.01666	-0.01605	-0.01545	-0.01486
-0.85	-0.02304	-0.02233	-0.02160	-0.02087	-0.02013	-0.01939	-0.01866	-0.01794	-0.01722	-0.01653	-0.01585
-0.80	-0.02539	-0.02451	-0.02362	-0.02274	-0.02185	-0.02097	-0.02011	-0.01927	-0.01844	-0.01764	-0.01686
-0.75	-0.02796	-0.02688	-0.02580	-0.02473	-0.02368	-0.02264	-0.02163	-0.02065	-0.01969	-0.01877	-0.01789
-0.70	-0.03075	-0.02944	-0.02813	-0.02685	-0.02560	-0.02438	-0.02320	-0.02206	-0.02096	-0.01991	-0.01890
-0.65	-0.03377	-0.03217	-0.03060	-0.02907	-0.02760	-0.02617	-0.02480	-0.02348	-0.02223	-0.02103	-0.01990
-0.60	-0.03699	-0.03505	-0.03318	-0.03137	-0.02963	-0.02797	-0.02639	-0.02489	-0.02346	-0.02211	-0.02083
-0.55	-0.04038	-0.03806	-0.03583	-0.03370	-0.03167	-0.02975	-0.02793	-0.02622	-0.02461	-0.02310	-0.02169
-0.50	-0.04389	-0.04112	-0.03848	-0.03599	-0.03364	-0.03144	-0.02938	-0.02745	-0.02565	-0.02397	-0.02241
-0.45	-0.04743	-0.04414	-0.04105	-0.03816	-0.03547	-0.03297	-0.03065	-0.02850	-0.02651	-0.02467	-0.02296
-0.40	-0.05085	-0.04699	-0.04341	-0.04010	-0.03705	-0.03424	-0.03166	-0.02930	-0.02712	-0.02512	-0.02329
-0.35	-0.05398	-0.04950	-0.04540	-0.04166	-0.03826	-0.03515	-0.03233	-0.02976	-0.02742	-0.02529	-0.02335
-0.30	-0.05653	-0.05143	-0.04682	-0.04267	-0.03893	-0.03556	-0.03253	-0.02979	-0.02732	-0.02509	-0.02307
-0.25	-0.05818	-0.05248	-0.04742	-0.04292	-0.03891	-0.03534	-0.03215	-0.02930	-0.02675	-0.02446	-0.02240
-0.20	-0.05850	-0.05234	-0.04693	-0.04219	-0.03801	-0.03433	-0.03108	-0.02819	-0.02563	-0.02335	-0.02131
-0.15	-0.05704	-0.05063	-0.04509	-0.04028	-0.03609	-0.03244	-0.02923	-0.02641	-0.02392	-0.02172	-0.01976
-0.10	-0.05338	-0.04706	-0.04167	-0.03703	-0.03304	-0.02957	-0.02655	-0.02391	-0.02159	-0.01955	-0.01775
-0.05	-0.04724	-0.04146	-0.03657	-0.03239	-0.02881	-0.02572	-0.02304	-0.02070	-0.01866	-0.01687	-0.01529
0.00	-0.03866	-0.03390	-0.02987	-0.02644	-0.02349	-0.02096	-0.01876	-0.01685	-0.01518	-0.01371	-0.01242
0.05	-0.02808	-0.02469	-0.02183	-0.01939	-0.01727	-0.01544	-0.01385	-0.01246	-0.01124	-0.01017	-0.00922
0.10	-0.01609	-0.01440	-0.01291	-0.01159	-0.01043	-0.00941	-0.00850	-0.00769	-0.00698	-0.00635	-0.00578
0.15	-0.00373	-0.00372	-0.00363	-0.00348	-0.00331	-0.00312	-0.00293	-0.00274	-0.00255	-0.00238	-0.00221
0.20	0.00822	0.00669	0.00548	0.00452	0.00376	0.00314	0.00263	0.00222	0.00188	0.00161	0.00137
0.25	0.01913	0.01631	0.01398	0.01206	0.01045	0.00910	0.00796	0.00700	0.00617	0.00547	0.00486
0.30	0.02857	0.02476	0.02155	0.01884	0.01653	0.01457	0.01289	0.01144	0.01019	0.00910	0.00816
0.35	0.03634	0.03183	0.02798	0.02468	0.02184	0.01939	0.01727	0.01543	0.01382	0.01241	0.01118
0.40	0.04239	0.03747	0.03320	0.02950	0.02628	0.02348	0.02103	0.01888	0.01700	0.01534	0.01387
0.45	0.04680	0.04168	0.03720	0.03327	0.02983	0.02679	0.02412	0.02176	0.01968	0.01783	0.01618
0.50	0.04971	0.04458	0.04005	0.03604	0.03249	0.02934	0.02654	0.02406	0.02184	0.01987	0.01811
0.55	0.05129	0.04630	0.04184	0.03787	0.03432	0.03115	0.02832	0.02578	0.02351	0.02147	0.01963
0.60	0.05175	0.04699	0.04272	0.03887	0.03541	0.03230	0.02950	0.02697	0.02469	0.02264	0.02078
0.65	0.05127	0.04683	0.04280	0.03916	0.03585	0.03285	0.03014	0.02768	0.02544	0.02341	0.02157
0.70	0.05005	0.04597	0.04224	0.03883	0.03573	0.03289	0.03031	0.02795	0.02579	0.02382	0.02202
0.75	0.04827	0.04456	0.04115	0.03802	0.03514	0.03250	0.03007	0.02784	0.02580	0.02392	0.02219
0.80	0.04606	0.04274	0.03967	0.03682	0.03419	0.03176	0.02951	0.02743	0.02551	0.02374	0.02210
0.85	0.04357	0.04063	0.03789	0.03533	0.03295	0.03074	0.02868	0.02676	0.02499	0.02333	0.02180
0.90	0.04091	0.03833	0.03591	0.03364	0.03151	0.02951	0.02764	0.02590	0.02427	0.02274	0.02132
0.95	0.03817	0.03593	0.03381	0.03181	0.02992	0.02814	0.02646	0.02488	0.02340	0.02200	0.02070
1.00	0.03542	0.03349	0.03166	0.02991	0.02824	0.02666	0.02517	0.02375	0.02242	0.02115	0.01996
1.05	0.03272	0.03108	0.02950	0.02798	0.02653	0.02514	0.02382	0.02256	0.02136	0.02022	0.01915
1.10	0.03012	0.02873	0.02737	0.02607	0.02481	0.02360	0.02244	0.02132	0.02026	0.01924	0.01828
1.15	0.02764	0.02647	0.02532	0.02420	0.02312	0.02207	0.02106	0.02008	0.01914	0.01824	0.01737
1.20	0.02530	0.02432	0.02336	0.02241	0.02148	0.02058	0.01970	0.01884	0.01802	0.01722	0.01645
1.25	0.02312	0.02231	0.02150	0.02070	0.01991	0.01913	0.01837	0.01763	0.01691	0.01621	0.01553
1.30	0.02110	0.02043	0.01975	0.01908	0.01841	0.01775	0.01710	0.01646	0.01583	0.01522	0.01462
1.35	0.01923	0.01868	0.01813	0.01756	0.01700	0.01644	0.01588	0.01533	0.01479	0.01426	0.01374
1.40	0.01752	0.01707	0.01662	0.01615	0.01568	0.01521	0.01473	0.01426	0.01380	0.01333	0.01288
1.45	0.01596	0.01560	0.01522	0.01484	0.01445	0.01405	0.01365	0.01325	0.01285	0.01245	0.01205
1.50	0.01453	0.01425	0.01394	0.01363	0.01330	0.01297	0.01264	0.01229	0.01195	0.01161	0.01127
1.55	0.01324	0.01301	0.01277	0.01251	0.01225	0.01197	0.01169	0.01140	0.01111	0.01082	0.01052
1.60	0.01206	0.01189	0.01169	0.01149	0.01127	0.01104	0.01081	0.01057	0.01032	0.01007	0.00982
1.65	0.01100	0.01086	0.01071	0.01055	0.01037	0.01019	0.00999	0.00979	0.00958	0.00937	0.00915
1.70	0.01004	0.00994	0.00982	0.00969	0.00955	0.00940	0.00924	0.00907	0.00889	0.00871	0.00853
1.75	0.00917	0.00909	0.00900	0.00890	0.00879	0.00867	0.00854	0.00840	0.00825	0.00810	0.00795
1.80	0.00838	0.00833	0.00826	0.00819	0.00810	0.00800	0.00790	0.00778	0.00766	0.00753	0.00740
1.85	0.00767	0.00763	0.00759	0.00753	0.00746	0.00739	0.00730	0.00721	0.00711	0.00701	0.00690
1.90	0.00702	0.00700	0.00697	0.00693	0.00688	0.00683	0.00676	0.00668	0.00660	0.00652	0.00642
1.95	0.00644	0.00643	0.00642	0.00639	0.00635	0.00631	0.00626	0.00620	0.00613	0.00606	0.00599
2.00	0.00591	0.00591	0.00591	0.00589	0.00587	0.00584	0.00580	0.00575	0.00570	0.00564	0.00558

TABLE I. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_\rho/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.0

(d) Half cone angle, 45.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50
-1.00	0.	-0.00870	-0.01728	-0.02561	-0.03358	-0.04110	-0.04806	-0.05438	-0.06002	-0.06491	-0.06903
-0.95	0.	-0.00989	-0.01963	-0.02908	-0.03811	-0.04659	-0.05442	-0.06150	-0.06776	-0.07315	-0.07764
-0.90	0.	-0.01127	-0.02237	-0.03313	-0.04338	-0.05298	-0.06180	-0.06974	-0.07671	-0.08266	-0.08755
-0.85	0.	-0.01289	-0.02558	-0.03785	-0.04952	-0.06042	-0.07039	-0.07931	-0.08708	-0.09365	-0.09897
-0.80	0.	-0.01479	-0.02934	-0.04339	-0.05671	-0.06911	-0.08041	-0.09045	-0.09914	-0.10639	-0.11217
-0.75	0.	-0.01703	-0.03376	-0.04989	-0.06516	-0.07931	-0.09213	-0.10347	-0.11318	-0.12120	-0.12747
-0.70	0.	-0.01968	-0.03899	-0.05757	-0.07511	-0.09130	-0.10591	-0.11872	-0.12960	-0.13846	-0.14525
-0.65	0.	-0.02282	-0.04518	-0.06667	-0.08688	-0.10547	-0.12213	-0.13665	-0.14885	-0.15863	-0.16597
-0.60	0.	-0.02656	-0.05256	-0.07749	-0.10086	-0.12225	-0.14131	-0.15778	-0.17147	-0.18228	-0.19017
-0.55	0.	-0.03104	-0.06139	-0.09042	-0.11753	-0.14221	-0.16406	-0.18278	-0.19815	-0.21006	-0.21851
-0.50	0.	-0.03644	-0.07202	-0.10595	-0.13749	-0.16605	-0.19115	-0.21243	-0.22968	-0.24280	-0.25179
-0.45	0.	-0.04299	-0.08489	-0.12470	-0.16153	-0.19465	-0.22351	-0.24773	-0.26707	-0.28146	-0.29094
-0.40	0.	-0.05099	-0.10059	-0.14751	-0.19064	-0.22913	-0.26233	-0.28986	-0.31151	-0.32722	-0.33708
-0.35	0.	-0.06089	-0.11994	-0.17548	-0.22614	-0.27091	-0.30910	-0.34033	-0.36445	-0.38147	-0.39157
-0.30	0.	-0.07330	-0.14408	-0.21015	-0.26979	-0.32186	-0.36568	-0.40096	-0.42764	-0.44589	-0.45598
-0.25	0.	-0.08915	-0.17471	-0.25368	-0.32399	-0.38443	-0.43446	-0.47398	-0.50320	-0.52244	-0.53215
-0.20	0.	-0.10998	-0.21447	-0.30931	-0.39210	-0.46185	-0.51842	-0.56216	-0.59361	-0.61341	-0.62220
-0.15	0.	-0.13854	-0.26782	-0.38202	-0.47893	-0.55845	-0.62137	-0.66879	-0.70179	-0.72140	-0.72851
-0.10	0.	-0.18065	-0.34298	-0.47982	-0.59136	-0.67992	-0.74801	-0.79780	-0.83109	-0.84934	-0.85370
-0.05	0.	-0.25171	-0.45637	-0.61569	-0.73910	-0.83359	-0.90399	-0.95371	-0.98523	-1.00040	-1.00060
0.00	0.	-0.40733	-0.64126	-0.80954	-0.93497	-1.02830	-1.09580	-1.14150	-1.16821	-1.17793	-1.17211
0.05	0.	-0.23921	-0.43135	-0.57810	-0.68886	-0.77059	-0.82808	-0.86469	-0.88283	-0.88428	-0.87030
0.10	0.	-0.15569	-0.29300	-0.40474	-0.49102	-0.55412	-0.59645	-0.62009	-0.62673	-0.61765	-0.59382
0.15	0.	-0.10117	-0.19301	-0.26964	-0.32877	-0.37022	-0.39466	-0.40304	-0.39630	-0.37522	-0.34043
0.20	0.	-0.06028	-0.11499	-0.15990	-0.19251	-0.21172	-0.21725	-0.20928	-0.18816	-0.15424	-0.10785
0.25	0.	-0.02722	-0.05077	-0.06757	-0.07543	-0.07303	-0.05967	-0.03509	0.00079	0.04788	0.10614
0.30	0.	0.00075	0.00409	0.01232	0.02723	0.05010	0.08178	0.12275	0.17330	0.23358	0.30370
0.35	0.	0.02518	0.05226	0.08299	0.11884	0.16092	0.21009	0.26692	0.33182	0.40507	0.48687
0.40	0.	0.04701	0.09546	0.14668	0.20185	0.26193	0.32771	0.39976	0.47854	0.56439	0.65757
0.45	0.	0.06691	0.13490	0.20500	0.27814	0.35513	0.43664	0.52323	0.61535	0.71337	0.81759
0.50	0.	0.08535	0.17149	0.25921	0.34921	0.44215	0.53860	0.63907	0.74399	0.85372	0.96859
0.55	0.	0.10272	0.20598	0.31033	0.41630	0.52440	0.63509	0.74882	0.86601	0.98700	0.86826
0.60	0.	0.11935	0.23901	0.35929	0.48055	0.60315	0.72748	0.85392	0.98286	0.87146	0.77372
0.65	0.	0.13558	0.27121	0.40697	0.54303	0.67963	0.81707	0.95571	0.85356	0.76472	0.68556
0.70	0.	0.15177	0.30326	0.45430	0.60485	0.75506	0.90517	0.81425	0.73636	0.66711	0.60419
0.75	0.	0.16835	0.33598	0.50236	0.66727	0.83078	0.75326	0.68858	0.63129	0.57880	0.52986
0.80	0.	0.18596	0.37048	0.55255	0.73180	0.67038	0.62154	0.57841	0.53819	0.49974	0.46263
0.85	0.	0.20566	0.40848	0.60685	0.56533	0.53567	0.50919	0.48313	0.45668	0.42972	0.40243
0.90	0.	0.22954	0.45301	0.43779	0.43195	0.42501	0.41500	0.40189	0.38615	0.36834	0.34902
0.95	0.	0.26312	0.28807	0.31284	0.32852	0.33616	0.33738	0.33356	0.32581	0.31506	0.30207
1.00	0.	0.12321	0.18544	0.22515	0.25073	0.26630	0.27440	0.27677	0.27471	0.26923	0.26112
1.05	0.	0.07127	0.12622	0.16574	0.19348	0.21220	0.22389	0.23004	0.23181	0.23009	0.22565
1.10	0.	0.04883	0.09146	0.12562	0.15164	0.17061	0.18368	0.19185	0.19600	0.19687	0.19510
1.15	0.	0.03626	0.06949	0.09786	0.12085	0.13863	0.15173	0.16073	0.16623	0.16879	0.16889
1.20	0.	0.02815	0.05458	0.07802	0.09784	0.11387	0.12629	0.13538	0.14152	0.14509	0.14648
1.25	0.	0.02250	0.04391	0.06337	0.08032	0.09451	0.10592	0.11468	0.12099	0.12512	0.12733
1.30	0.	0.01835	0.03597	0.05225	0.06675	0.07920	0.08951	0.09771	0.10391	0.10827	0.11098
1.35	0.	0.01520	0.02989	0.04363	0.05605	0.06694	0.07617	0.08373	0.08965	0.09404	0.09701
1.40	0.	0.01275	0.02513	0.03681	0.04750	0.05702	0.06525	0.07214	0.07770	0.08198	0.08505
1.45	0.	0.01081	0.02134	0.03133	0.04058	0.04892	0.05624	0.06248	0.06764	0.07173	0.07480
1.50	0.	0.00924	0.01826	0.02688	0.03491	0.04223	0.04874	0.05438	0.05913	0.06299	0.06599
1.55	0.	0.00796	0.01575	0.02322	0.03023	0.03667	0.04247	0.04755	0.05190	0.05551	0.05839
1.60	0.	0.00690	0.01366	0.02018	0.02632	0.03201	0.03718	0.04176	0.04573	0.04908	0.05182
1.65	0.	0.00601	0.01192	0.01763	0.02304	0.02808	0.03269	0.03682	0.04044	0.04355	0.04613
1.70	0.	0.00527	0.01046	0.01548	0.02026	0.02474	0.02887	0.03259	0.03589	0.03876	0.04118
1.75	0.	0.00464	0.00922	0.01366	0.01790	0.02189	0.02559	0.02895	0.03196	0.03460	0.03686
1.80	0.	0.00411	0.00816	0.01210	0.01587	0.01944	0.02276	0.02580	0.02855	0.03097	0.03308
1.85	0.	0.00365	0.00725	0.01075	0.01413	0.01732	0.02032	0.02307	0.02557	0.02781	0.02976
1.90	0.	0.00325	0.00646	0.00960	0.01262	0.01549	0.01819	0.02069	0.02298	0.02503	0.02684
1.95	0.	0.00291	0.00578	0.00859	0.01131	0.01390	0.01634	0.01861	0.02070	0.02259	0.02427
2.00	0.	0.00261	0.00519	0.00772	0.01016	0.01250	0.01471	0.01678	0.01869	0.02043	0.02199

TABLE I. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_\rho/\mu_0 I$, FOR FIELD POINT INCREMENTS OF 0.05

(d) Continued. Half cone angle, 45.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00
-1.00	-0.06903	-0.07237	-0.07492	-0.07672	-0.07779	-0.07817	-0.07793	-0.07711	-0.07579	-0.07404	-0.07192
-0.95	-0.07764	-0.08122	-0.08388	-0.08567	-0.08662	-0.08679	-0.08623	-0.08504	-0.08329	-0.08107	-0.07846
-0.90	-0.08755	-0.09136	-0.09413	-0.09587	-0.09664	-0.09652	-0.09558	-0.09392	-0.09164	-0.08885	-0.08563
-0.85	-0.09897	-0.10303	-0.10586	-0.10750	-0.10803	-0.10753	-0.10610	-0.10386	-0.10094	-0.09745	-0.09351
-0.80	-0.11217	-0.11647	-0.11934	-0.12082	-0.12101	-0.12001	-0.11796	-0.11501	-0.11129	-0.10696	-0.10216
-0.75	-0.12747	-0.13200	-0.13485	-0.13608	-0.13582	-0.13419	-0.13136	-0.12751	-0.12282	-0.11747	-0.11163
-0.70	-0.14525	-0.14999	-0.15275	-0.15362	-0.15275	-0.15032	-0.14651	-0.14155	-0.13567	-0.12908	-0.12200
-0.65	-0.16597	-0.17088	-0.17346	-0.17383	-0.17217	-0.16870	-0.16367	-0.15734	-0.14999	-0.14189	-0.13332
-0.60	-0.19017	-0.19520	-0.19746	-0.19715	-0.19446	-0.18969	-0.18312	-0.17509	-0.16595	-0.15602	-0.14564
-0.55	-0.21851	-0.22357	-0.22537	-0.22413	-0.22013	-0.21370	-0.20521	-0.19509	-0.18373	-0.17158	-0.15902
-0.50	-0.25179	-0.25675	-0.25787	-0.25541	-0.24973	-0.24122	-0.23035	-0.21762	-0.20355	-0.18867	-0.17347
-0.45	-0.29094	-0.29564	-0.29581	-0.29178	-0.28396	-0.27285	-0.25900	-0.24303	-0.22561	-0.20738	-0.18898
-0.40	-0.33708	-0.34131	-0.34020	-0.33414	-0.32364	-0.30928	-0.29173	-0.27175	-0.25016	-0.22781	-0.20549
-0.35	-0.39157	-0.39503	-0.39221	-0.38360	-0.36976	-0.35136	-0.32922	-0.30425	-0.27749	-0.25001	-0.22287
-0.30	-0.45598	-0.45829	-0.45327	-0.44146	-0.42350	-0.40015	-0.37234	-0.34115	-0.30790	-0.27399	-0.24086
-0.25	-0.53215	-0.53282	-0.52500	-0.50927	-0.48632	-0.45695	-0.42218	-0.38326	-0.34180	-0.29971	-0.25900
-0.20	-0.62220	-0.62062	-0.60929	-0.58884	-0.55995	-0.52341	-0.48020	-0.43168	-0.37977	-0.32703	-0.27651
-0.15	-0.72851	-0.72390	-0.70828	-0.68228	-0.64650	-0.60159	-0.54839	-0.48811	-0.42279	-0.35579	-0.29196
-0.10	-0.85370	-0.84512	-0.82434	-0.79194	-0.74839	-0.69410	-0.62950	-0.55526	-0.47285	-0.38594	-0.30265
-0.05	-1.00060	-0.98687	-0.95995	-0.92035	-0.86835	-0.80402	-0.72719	-0.63747	-0.53446	-0.41908	-0.30224
0.00	-1.17211	-1.15179	-1.11765	-1.07010	-1.00920	-0.93468	-0.84577	-0.74094	-0.61716	-0.46753	-0.25803
0.05	-0.87030	-0.84180	-0.79933	-0.74314	-0.67315	-0.58882	-0.48906	-0.37179	-0.23311	-0.06521	-0.10124
0.10	-0.59382	-0.55592	-0.50434	-0.43919	-0.36026	-0.26698	-0.15823	-0.03219	0.11398	0.03735	-0.00718
0.15	-0.34043	-0.29236	-0.23124	-0.15708	-0.06963	0.03163	0.14757	0.27943	0.18218	0.10968	0.06059
0.20	-0.10785	-0.04921	0.02161	0.10465	0.20016	0.30853	0.43034	0.31995	0.23067	0.16150	0.11069
0.25	0.10614	0.17550	0.25599	0.34770	0.45085	0.56570	0.44647	0.34628	0.26397	0.19830	0.14759
0.30	0.30370	0.38372	0.47375	0.57390	0.68436	0.55941	0.45215	0.36123	0.28546	0.22360	0.17421
0.35	0.48687	0.57737	0.67674	0.78511	0.65702	0.54565	0.44943	0.36713	0.29765	0.23988	0.19262
0.40	0.65757	0.75831	0.86677	0.73787	0.62489	0.52608	0.44011	0.36592	0.30254	0.24903	0.20442
0.45	0.81759	0.92825	0.80070	0.68839	0.58935	0.50215	0.42572	0.35916	0.30169	0.25254	0.21090
0.50	0.96859	0.84445	0.73495	0.63786	0.55162	0.47513	0.40756	0.34819	0.29640	0.25158	0.21310
0.55	0.86826	0.76364	0.67054	0.58730	0.51276	0.44611	0.38673	0.33409	0.28772	0.24714	0.21189
0.60	0.77372	0.68662	0.60830	0.53757	0.47366	0.41600	0.36416	0.31778	0.27652	0.24005	0.20801
0.65	0.68556	0.61403	0.54889	0.48940	0.43506	0.38555	0.34061	0.30001	0.26354	0.23098	0.20207
0.70	0.60419	0.54634	0.49285	0.44333	0.39756	0.35538	0.31670	0.28140	0.24938	0.22049	0.19459
0.75	0.52986	0.48387	0.44055	0.39981	0.36162	0.32599	0.29294	0.26246	0.23452	0.20907	0.18601
0.80	0.46263	0.42677	0.39223	0.35912	0.32759	0.29776	0.26974	0.24360	0.21938	0.19709	0.17670
0.85	0.40243	0.37509	0.34801	0.32146	0.29571	0.27096	0.24739	0.22513	0.20427	0.18487	0.16694
0.90	0.34902	0.32873	0.30790	0.28692	0.26612	0.24578	0.22612	0.20730	0.18945	0.17266	0.15699
0.95	0.30207	0.28748	0.27180	0.25549	0.23891	0.22236	0.20608	0.19028	0.17511	0.16067	0.14705
1.00	0.26112	0.25105	0.23956	0.22710	0.21405	0.20073	0.18737	0.17421	0.16139	0.14904	0.13726
1.05	0.22565	0.21909	0.21094	0.20163	0.19151	0.18090	0.17004	0.15914	0.14838	0.13788	0.12775
1.10	0.19510	0.19121	0.18568	0.17889	0.17118	0.16283	0.15408	0.14513	0.13616	0.12728	0.11861
1.15	0.16889	0.16699	0.16348	0.15869	0.15293	0.14645	0.13947	0.13218	0.12474	0.11728	0.10990
1.20	0.14648	0.14601	0.14403	0.14081	0.13661	0.13166	0.12616	0.12027	0.11415	0.10791	0.10166
1.25	0.12733	0.12788	0.12704	0.12503	0.12207	0.11836	0.11408	0.10936	0.10436	0.09917	0.09390
1.30	0.11098	0.11223	0.11221	0.11112	0.10914	0.10644	0.10315	0.09941	0.09535	0.09107	0.08665
1.35	0.09701	0.09871	0.09929	0.09889	0.09767	0.09576	0.09329	0.09037	0.08710	0.08358	0.07990
1.40	0.08505	0.08703	0.08802	0.08814	0.08750	0.08622	0.08441	0.08215	0.07955	0.07669	0.07363
1.45	0.07480	0.07693	0.07819	0.07868	0.07849	0.07771	0.07642	0.07472	0.07267	0.07035	0.06783
1.50	0.06599	0.06817	0.06961	0.07036	0.07050	0.07011	0.06924	0.06799	0.06640	0.06455	0.06248
1.55	0.05839	0.06057	0.06211	0.06304	0.06343	0.06333	0.06280	0.06191	0.06070	0.05923	0.05756
1.60	0.05182	0.05396	0.05554	0.05659	0.05715	0.05728	0.05702	0.05642	0.05552	0.05438	0.05303
1.65	0.04613	0.04820	0.04978	0.05090	0.05159	0.05188	0.05183	0.05146	0.05082	0.04994	0.04887
1.70	0.04118	0.04316	0.04471	0.04587	0.04664	0.04706	0.04717	0.04699	0.04655	0.04590	0.04506
1.75	0.03686	0.03874	0.04025	0.04141	0.04224	0.04275	0.04298	0.04295	0.04268	0.04221	0.04156
1.80	0.03308	0.03486	0.03632	0.03746	0.03832	0.03889	0.03921	0.03930	0.03917	0.03885	0.03836
1.85	0.02976	0.03144	0.03283	0.03396	0.03482	0.03544	0.03583	0.03600	0.03598	0.03578	0.03543
1.90	0.02684	0.02842	0.02974	0.03084	0.03170	0.03234	0.03277	0.03301	0.03308	0.03298	0.03274
1.95	0.02427	0.02574	0.02700	0.02805	0.02890	0.02955	0.03002	0.03031	0.03045	0.03043	0.03028
2.00	0.02199	0.02337	0.02456	0.02557	0.02639	0.02705	0.02754	0.02787	0.02805	0.02810	0.02803

TABLE I. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(d) Continued. Half cone angle, 45.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50
-1.00	-0.07192	-0.06951	-0.06688	-0.06407	-0.06116	-0.05819	-0.05520	-0.05223	-0.04931	-0.04646	-0.04371
-0.95	-0.07846	-0.07553	-0.07238	-0.06907	-0.06566	-0.06222	-0.05879	-0.05540	-0.05210	-0.04891	-0.04584
-0.90	-0.08563	-0.08210	-0.07834	-0.07444	-0.07046	-0.06648	-0.06254	-0.05870	-0.05497	-0.05140	-0.04799
-0.85	-0.09351	-0.08926	-0.08478	-0.08018	-0.07555	-0.07095	-0.06645	-0.06208	-0.05789	-0.05390	-0.05012
-0.80	-0.10216	-0.09704	-0.09172	-0.08632	-0.08093	-0.07563	-0.07048	-0.06554	-0.06083	-0.05638	-0.05220
-0.75	-0.11163	-0.10549	-0.09918	-0.09284	-0.08658	-0.08048	-0.07461	-0.06903	-0.06376	-0.05881	-0.05421
-0.70	-0.12200	-0.11463	-0.10716	-0.09973	-0.09246	-0.08546	-0.07879	-0.07250	-0.06661	-0.06114	-0.05609
-0.65	-0.13332	-0.12450	-0.11565	-0.10695	-0.09854	-0.09052	-0.08295	-0.07589	-0.06934	-0.06331	-0.05779
-0.60	-0.14564	-0.13509	-0.12463	-0.11446	-0.10474	-0.09556	-0.08701	-0.07911	-0.07186	-0.06525	-0.05924
-0.55	-0.15902	-0.14641	-0.13404	-0.12217	-0.11095	-0.10050	-0.09086	-0.08206	-0.07407	-0.06687	-0.06039
-0.50	-0.17347	-0.15839	-0.14379	-0.12994	-0.11703	-0.10516	-0.09436	-0.08462	-0.07588	-0.06808	-0.06113
-0.45	-0.18898	-0.17094	-0.15371	-0.13760	-0.12279	-0.10937	-0.09733	-0.08662	-0.07713	-0.06876	-0.06139
-0.40	-0.20549	-0.18390	-0.16357	-0.14486	-0.12795	-0.11287	-0.09956	-0.08788	-0.07769	-0.06880	-0.06106
-0.35	-0.22287	-0.19698	-0.17301	-0.15135	-0.13214	-0.11534	-0.10076	-0.08819	-0.07737	-0.06806	-0.06004
-0.30	-0.24086	-0.20974	-0.18149	-0.15652	-0.13489	-0.11637	-0.10063	-0.08730	-0.07600	-0.06640	-0.05824
-0.25	-0.25900	-0.22145	-0.18820	-0.15963	-0.13556	-0.11549	-0.09881	-0.08495	-0.07339	-0.06371	-0.05557
-0.20	-0.27651	-0.23094	-0.19191	-0.15962	-0.13337	-0.11213	-0.09491	-0.08088	-0.06938	-0.05987	-0.05195
-0.15	-0.29196	-0.23617	-0.19074	-0.15509	-0.12737	-0.10570	-0.08858	-0.07490	-0.06385	-0.05481	-0.04737
-0.10	-0.30265	-0.23343	-0.18181	-0.14430	-0.11662	-0.09572	-0.07958	-0.06689	-0.05675	-0.04854	-0.04181
-0.05	-0.30224	-0.21517	-0.16114	-0.12555	-0.10046	-0.08195	-0.06786	-0.05687	-0.04814	-0.04110	-0.03536
0.00	-0.26803	-0.16765	-0.12565	-0.09835	-0.07901	-0.06466	-0.05367	-0.04506	-0.03820	-0.03266	-0.02813
0.05	-0.10124	-0.09466	-0.07881	-0.06480	-0.05358	-0.04469	-0.03759	-0.03188	-0.02724	-0.02343	-0.02028
0.10	-0.00718	-0.02561	-0.03002	-0.02903	-0.02634	-0.02332	-0.02045	-0.01788	-0.01564	-0.01370	-0.01203
0.15	0.06059	0.03079	0.01415	0.00523	0.00053	-0.00191	-0.00313	-0.00366	-0.00382	-0.00378	-0.00362
0.20	0.11069	0.07527	0.05151	0.03581	0.02540	0.01840	0.01358	0.01021	0.00779	0.00603	0.00473
0.25	0.14759	0.10965	0.08190	0.06186	0.04738	0.03684	0.02907	0.02326	0.01885	0.01546	0.01281
0.30	0.17421	0.13559	0.10589	0.08326	0.06607	0.05298	0.04293	0.03516	0.02908	0.02427	0.02043
0.35	0.19262	0.15453	0.12421	0.10027	0.08145	0.06664	0.05496	0.04568	0.03827	0.03230	0.02746
0.40	0.20442	0.16765	0.13763	0.11330	0.09367	0.07784	0.06507	0.05473	0.04632	0.03944	0.03378
0.45	0.21090	0.17596	0.14687	0.12281	0.10300	0.08670	0.07331	0.06228	0.05318	0.04563	0.03935
0.50	0.21310	0.18032	0.15259	0.12927	0.10973	0.09340	0.07977	0.06838	0.05885	0.05086	0.04413
0.55	0.21189	0.18147	0.15538	0.13312	0.11419	0.09816	0.08458	0.07310	0.06337	0.05513	0.04812
0.60	0.20801	0.18004	0.15575	0.13476	0.11670	0.10120	0.08792	0.07655	0.06682	0.05849	0.05135
0.65	0.20207	0.17656	0.15416	0.13458	0.11754	0.10275	0.08994	0.07887	0.06929	0.06101	0.05385
0.70	0.19459	0.17150	0.15101	0.13292	0.11700	0.10304	0.09083	0.08017	0.07087	0.06275	0.05568
0.75	0.18601	0.16525	0.14665	0.13006	0.11532	0.10227	0.09074	0.08059	0.07165	0.06380	0.05689
0.80	0.17670	0.15815	0.14137	0.12627	0.11272	0.10062	0.08984	0.08026	0.07175	0.06422	0.05754
0.85	0.16694	0.15048	0.13544	0.12178	0.10941	0.09827	0.08826	0.07929	0.07126	0.06410	0.05771
0.90	0.15699	0.14246	0.12906	0.11677	0.10556	0.09537	0.08613	0.07779	0.07028	0.06352	0.05744
0.95	0.14705	0.13429	0.12241	0.11143	0.10131	0.09204	0.08358	0.07587	0.06888	0.06254	0.05681
1.00	0.13726	0.12612	0.11565	0.10587	0.09680	0.08841	0.08070	0.07362	0.06715	0.06124	0.05587
1.05	0.12775	0.11807	0.10888	0.10023	0.09213	0.08458	0.07758	0.07111	0.06515	0.05968	0.05467
1.10	0.11861	0.11024	0.10221	0.09459	0.08738	0.08062	0.07429	0.06841	0.06295	0.05791	0.05326
1.15	0.10990	0.10269	0.09571	0.08902	0.08264	0.07660	0.07092	0.06559	0.06061	0.05598	0.05169
1.20	0.10166	0.09548	0.08943	0.08358	0.07796	0.07259	0.06750	0.06269	0.05817	0.05394	0.04999
1.25	0.09390	0.08863	0.08342	0.07833	0.07338	0.06863	0.06409	0.05976	0.05567	0.05182	0.04820
1.30	0.08665	0.08217	0.07770	0.07328	0.06895	0.06476	0.06071	0.05684	0.05315	0.04965	0.04635
1.35	0.07990	0.07611	0.07228	0.06846	0.06469	0.06100	0.05741	0.05395	0.05064	0.04747	0.04446
1.40	0.07363	0.07044	0.06718	0.06389	0.06061	0.05737	0.05420	0.05112	0.04815	0.04529	0.04256
1.45	0.06783	0.06516	0.06239	0.05957	0.05672	0.05389	0.05110	0.04837	0.04571	0.04314	0.04067
1.50	0.06248	0.06026	0.05792	0.05550	0.05304	0.05058	0.04812	0.04570	0.04333	0.04103	0.03880
1.55	0.05756	0.05571	0.05374	0.05169	0.04957	0.04743	0.04527	0.04314	0.04103	0.03897	0.03696
1.60	0.05303	0.05151	0.04986	0.04812	0.04630	0.04444	0.04256	0.04068	0.03881	0.03697	0.03516
1.65	0.04887	0.04763	0.04626	0.04478	0.04323	0.04163	0.03999	0.03833	0.03668	0.03504	0.03342
1.70	0.04506	0.04405	0.04292	0.04168	0.04036	0.03897	0.03755	0.03610	0.03464	0.03318	0.03173
1.75	0.04156	0.04076	0.03983	0.03879	0.03767	0.03648	0.03525	0.03398	0.03269	0.03140	0.03011
1.80	0.03836	0.03773	0.03697	0.03611	0.03516	0.03415	0.03308	0.03197	0.03084	0.02970	0.02855
1.85	0.03543	0.03494	0.03433	0.03362	0.03282	0.03196	0.03104	0.03008	0.02909	0.02807	0.02705
1.90	0.03274	0.03237	0.03189	0.03131	0.03064	0.02991	0.02912	0.02829	0.02742	0.02653	0.02562
1.95	0.03028	0.03001	0.02964	0.02917	0.02862	0.02800	0.02733	0.02660	0.02585	0.02506	0.02426
2.00	0.02803	0.02784	0.02756	0.02718	0.02673	0.02621	0.02564	0.02502	0.02436	0.02368	0.02297

TABLE I. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(d) Concluded. Half cone angle, 45.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	1.50	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00
-1.00	-0.04371	-0.04107	-0.03854	-0.03613	-0.03386	-0.03171	-0.02968	-0.02778	-0.02600	-0.02433	-0.02277
-0.95	-0.04584	-0.04291	-0.04013	-0.03751	-0.03503	-0.03270	-0.03052	-0.02849	-0.02659	-0.02482	-0.02317
-0.90	-0.04799	-0.04475	-0.04170	-0.03884	-0.03615	-0.03364	-0.03131	-0.02913	-0.02712	-0.02525	-0.02351
-0.85	-0.05012	-0.04656	-0.04322	-0.04010	-0.03720	-0.03451	-0.03201	-0.02970	-0.02757	-0.02560	-0.02378
-0.80	-0.05220	-0.04829	-0.04466	-0.04128	-0.03816	-0.03528	-0.03262	-0.03018	-0.02793	-0.02587	-0.02397
-0.75	-0.05421	-0.04993	-0.04598	-0.04234	-0.03900	-0.03593	-0.03312	-0.03054	-0.02819	-0.02603	-0.02406
-0.70	-0.05609	-0.05143	-0.04716	-0.04326	-0.03969	-0.03644	-0.03347	-0.03078	-0.02832	-0.02608	-0.02405
-0.65	-0.05779	-0.05274	-0.04815	-0.04398	-0.04020	-0.03677	-0.03367	-0.03086	-0.02831	-0.02601	-0.02392
-0.60	-0.05924	-0.05381	-0.04890	-0.04448	-0.04050	-0.03691	-0.03368	-0.03077	-0.02815	-0.02579	-0.02365
-0.55	-0.06039	-0.05457	-0.04937	-0.04471	-0.04054	-0.03682	-0.03348	-0.03049	-0.02782	-0.02541	-0.02325
-0.50	-0.06113	-0.05496	-0.04948	-0.04462	-0.04030	-0.03646	-0.03305	-0.03001	-0.02730	-0.02487	-0.02270
-0.45	-0.06139	-0.05490	-0.04919	-0.04416	-0.03973	-0.03582	-0.03236	-0.02929	-0.02657	-0.02415	-0.02199
-0.40	-0.06106	-0.05432	-0.04844	-0.04330	-0.03880	-0.03486	-0.03139	-0.02833	-0.02563	-0.02324	-0.02112
-0.35	-0.06004	-0.05313	-0.04716	-0.04198	-0.03748	-0.03356	-0.03013	-0.02712	-0.02447	-0.02214	-0.02007
-0.30	-0.05824	-0.05127	-0.04530	-0.04017	-0.03574	-0.03189	-0.02855	-0.02564	-0.02308	-0.02084	-0.01886
-0.25	-0.05557	-0.04869	-0.04284	-0.03784	-0.03356	-0.02986	-0.02667	-0.02389	-0.02146	-0.01934	-0.01747
-0.20	-0.05195	-0.04532	-0.03973	-0.03498	-0.03094	-0.02746	-0.02447	-0.02187	-0.01962	-0.01765	-0.01592
-0.15	-0.04737	-0.04117	-0.03598	-0.03160	-0.02788	-0.02470	-0.02196	-0.01960	-0.01756	-0.01577	-0.01421
-0.10	-0.04181	-0.03625	-0.03161	-0.02771	-0.02441	-0.02159	-0.01918	-0.01710	-0.01530	-0.01373	-0.01236
-0.05	-0.03536	-0.03062	-0.02668	-0.02336	-0.02056	-0.01818	-0.01614	-0.01438	-0.01286	-0.01153	-0.01038
0.00	-0.02813	-0.02438	-0.02125	-0.01862	-0.01640	-0.01450	-0.01288	-0.01148	-0.01027	-0.00921	-0.00829
0.05	-0.02028	-0.01765	-0.01544	-0.01357	-0.01198	-0.01062	-0.00945	-0.00843	-0.00755	-0.00679	-0.00612
0.10	-0.01203	-0.01060	-0.00937	-0.00831	-0.00739	-0.00659	-0.00589	-0.00529	-0.00476	-0.00429	-0.00388
0.15	-0.00362	-0.00341	-0.00317	-0.00294	-0.00270	-0.00248	-0.00228	-0.00209	-0.00191	-0.00175	-0.00161
0.20	0.00473	0.00375	0.00301	0.00243	0.00198	0.00163	0.00135	0.00112	0.00094	0.00079	0.00067
0.25	0.01281	0.01072	0.00904	0.00769	0.00659	0.00568	0.00493	0.00430	0.00377	0.00332	0.00293
0.30	0.02043	0.01734	0.01482	0.01275	0.01103	0.00961	0.00841	0.00739	0.00653	0.00579	0.00515
0.35	0.02746	0.02350	0.02023	0.01752	0.01526	0.01335	0.01174	0.01036	0.00919	0.00818	0.00730
0.40	0.03378	0.02910	0.02521	0.02194	0.01919	0.01686	0.01488	0.01318	0.01172	0.01046	0.00937
0.45	0.03935	0.03410	0.02969	0.02596	0.02280	0.02011	0.01780	0.01582	0.01410	0.01261	0.01132
0.50	0.04413	0.03846	0.03365	0.02955	0.02606	0.02306	0.02048	0.01824	0.01631	0.01462	0.01315
0.55	0.04812	0.04216	0.03706	0.03269	0.02893	0.02569	0.02288	0.02045	0.01832	0.01646	0.01483
0.60	0.05135	0.04521	0.03993	0.03537	0.03142	0.02800	0.02502	0.02241	0.02014	0.01814	0.01638
0.65	0.05385	0.04765	0.04227	0.03760	0.03353	0.02997	0.02687	0.02414	0.02174	0.01963	0.01776
0.70	0.05568	0.04950	0.04411	0.03939	0.03526	0.03163	0.02844	0.02562	0.02314	0.02094	0.01899
0.75	0.05689	0.05082	0.04547	0.04077	0.03663	0.03297	0.02973	0.02687	0.02433	0.02207	0.02007
0.80	0.05754	0.05163	0.04640	0.04177	0.03766	0.03401	0.03077	0.02789	0.02532	0.02303	0.02098
0.85	0.05771	0.05201	0.04693	0.04241	0.03837	0.03477	0.03156	0.02868	0.02611	0.02381	0.02174
0.90	0.05744	0.05199	0.04711	0.04272	0.03880	0.03527	0.03211	0.02927	0.02672	0.02442	0.02236
0.95	0.05681	0.05164	0.04697	0.04276	0.03896	0.03554	0.03245	0.02967	0.02715	0.02488	0.02283
1.00	0.05587	0.05099	0.04655	0.04253	0.03889	0.03559	0.03259	0.02988	0.02742	0.02520	0.02317
1.05	0.05467	0.05009	0.04590	0.04209	0.03861	0.03544	0.03256	0.02994	0.02755	0.02537	0.02339
1.10	0.05326	0.04898	0.04506	0.04145	0.03815	0.03513	0.03237	0.02985	0.02754	0.02543	0.02350
1.15	0.05169	0.04771	0.04404	0.04066	0.03754	0.03468	0.03204	0.02963	0.02741	0.02537	0.02350
1.20	0.04999	0.04631	0.04290	0.03973	0.03680	0.03410	0.03160	0.02929	0.02717	0.02521	0.02341
1.25	0.04820	0.04481	0.04165	0.03870	0.03595	0.03341	0.03105	0.02886	0.02683	0.02496	0.02323
1.30	0.04635	0.04324	0.04031	0.03758	0.03502	0.03263	0.03041	0.02834	0.02642	0.02463	0.02298
1.35	0.04446	0.04161	0.03892	0.03639	0.03401	0.03179	0.02970	0.02775	0.02593	0.02424	0.02266
1.40	0.04256	0.03996	0.03750	0.03516	0.03296	0.03088	0.02893	0.02710	0.02539	0.02378	0.02228
1.45	0.04067	0.03830	0.03605	0.03390	0.03186	0.02994	0.02812	0.02641	0.02480	0.02328	0.02186
1.50	0.03880	0.03665	0.03459	0.03262	0.03074	0.02896	0.02727	0.02567	0.02416	0.02274	0.02140
1.55	0.03696	0.03501	0.03314	0.03134	0.02961	0.02797	0.02640	0.02491	0.02350	0.02216	0.02090
1.60	0.03516	0.03341	0.03170	0.03006	0.02848	0.02696	0.02551	0.02413	0.02281	0.02156	0.02037
1.65	0.03342	0.03184	0.03029	0.02879	0.02735	0.02595	0.02461	0.02333	0.02211	0.02094	0.01983
1.70	0.03173	0.03031	0.02891	0.02755	0.02623	0.02495	0.02372	0.02253	0.02139	0.02031	0.01927
1.75	0.03011	0.02883	0.02757	0.02633	0.02513	0.02396	0.02282	0.02173	0.02067	0.01966	0.01869
1.80	0.02855	0.02740	0.02626	0.02515	0.02405	0.02298	0.02194	0.02093	0.01996	0.01902	0.01811
1.85	0.02705	0.02603	0.02500	0.02399	0.02300	0.02202	0.02107	0.02014	0.01924	0.01837	0.01753
1.90	0.02562	0.02471	0.02379	0.02288	0.02198	0.02109	0.02021	0.01936	0.01853	0.01773	0.01695
1.95	0.02426	0.02345	0.02262	0.02180	0.02099	0.02018	0.01938	0.01860	0.01783	0.01709	0.01637
2.00	0.02297	0.02224	0.02151	0.02077	0.02003	0.01929	0.01857	0.01785	0.01715	0.01646	0.01579

TABLE I. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_\rho/\mu_0 JL$, FOR FIELD POINT INCREMENTS OF 0.05

(c) Half cone angle, 60.0.

Dimensionless axial position,	Dimensionless radius, ρ										
	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50
-1.00	0.	-0.03674	-0.07260	-0.10675	-0.13844	-0.16702	-0.19201	-0.21304	-0.22988	-0.24246	-0.25081
-0.95	0.	-0.04044	-0.07988	-0.11736	-0.15205	-0.18322	-0.21033	-0.23299	-0.25097	-0.26419	-0.27272
-0.90	0.	-0.04459	-0.08803	-0.12924	-0.16725	-0.20128	-0.23071	-0.25513	-0.27431	-0.28818	-0.29683
-0.85	0.	-0.04926	-0.09719	-0.14256	-0.18427	-0.22144	-0.25340	-0.27972	-0.30016	-0.31468	-0.32341
-0.80	0.	-0.05452	-0.10750	-0.15752	-0.20335	-0.24399	-0.27871	-0.30707	-0.32883	-0.34398	-0.35271
-0.75	0.	-0.06046	-0.11914	-0.17439	-0.22480	-0.26925	-0.30699	-0.33752	-0.36065	-0.37641	-0.38504
-0.70	0.	-0.06721	-0.13233	-0.19345	-0.24895	-0.29762	-0.33861	-0.37146	-0.39600	-0.41232	-0.42073
-0.65	0.	-0.07490	-0.14733	-0.21505	-0.27624	-0.32953	-0.37405	-0.40935	-0.43532	-0.45213	-0.46017
-0.60	0.	-0.08370	-0.16445	-0.23963	-0.30715	-0.36551	-0.41382	-0.45168	-0.47907	-0.49627	-0.50376
-0.55	0.	-0.09382	-0.18410	-0.26771	-0.34228	-0.40618	-0.45854	-0.49904	-0.52780	-0.54524	-0.55196
-0.50	0.	-0.10555	-0.20677	-0.29994	-0.38233	-0.45225	-0.50889	-0.55208	-0.58212	-0.59959	-0.60527
-0.45	0.	-0.11924	-0.23310	-0.33712	-0.42819	-0.50459	-0.56568	-0.61153	-0.64267	-0.65992	-0.66423
-0.40	0.	-0.13539	-0.26395	-0.38027	-0.48091	-0.56422	-0.62985	-0.67823	-0.71022	-0.72690	-0.72943
-0.35	0.	-0.15465	-0.30044	-0.43073	-0.54181	-0.63234	-0.70247	-0.75312	-0.78558	-0.80124	-0.80152
-0.30	0.	-0.17801	-0.34413	-0.49020	-0.61251	-0.71038	-0.78476	-0.83724	-0.86963	-0.88372	-0.88119
-0.25	0.	-0.20692	-0.39721	-0.56095	-0.69503	-0.80005	-0.87813	-0.93176	-0.96337	-0.97517	-0.96915
-0.20	0.	-0.24373	-0.46289	-0.64599	-0.79185	-0.90332	-0.98415	-1.03794	-1.06783	-1.07649	-1.06619
-0.15	0.	-0.29250	-0.54601	-0.74934	-0.90604	-1.02250	-1.10460	-1.15718	-1.18413	-1.18859	-1.17309
-0.10	0.	-0.36108	-0.65396	-0.87626	-1.04125	-1.16020	-1.24140	-1.29095	-1.31345	-1.31244	-1.29068
-0.05	0.	-0.46636	-0.79797	-1.03349	-1.20176	-1.31932	-1.39663	-1.44081	-1.45700	-1.44903	-1.41980
0.00	0.	-0.64677	-0.99400	-1.22912	-1.39234	-1.50298	-1.57246	-1.60837	-1.61603	-1.59936	-1.56128
0.05	0.	-0.44472	-0.75481	-0.96903	-1.11632	-1.21327	-1.27035	-1.29467	-1.29133	-1.26407	-1.21567
0.10	0.	-0.31774	-0.56754	-0.74721	-0.87021	-0.94792	-0.98865	-0.99850	-0.98196	-0.94242	-0.88239
0.15	0.	-0.22736	-0.41612	-0.55540	-0.64905	-0.70361	-0.72502	-0.71808	-0.68655	-0.63331	-0.56056
0.20	0.	-0.15662	-0.28920	-0.38673	-0.44838	-0.47724	-0.47716	-0.45166	-0.40371	-0.33564	-0.24927
0.25	0.	-0.09760	-0.17927	-0.23572	-0.26433	-0.26599	-0.24293	-0.19757	-0.13209	-0.04831	0.05237
0.30	0.	-0.04616	-0.08133	-0.09818	-0.09360	-0.06729	-0.02031	0.04582	0.12962	0.22978	0.34529
0.35	0.	0.00015	0.00799	0.02915	0.06657	0.12114	0.19257	0.28006	0.38272	0.49971	0.63039
0.40	0.	0.04288	0.09111	0.14882	0.21852	0.30132	0.39743	0.50661	0.62845	0.76255	0.90862
0.45	0.	0.08317	0.16984	0.26289	0.36427	0.47510	0.59591	0.72688	0.86803	1.01935	1.18087
0.50	0.	0.12186	0.24566	0.37311	0.50560	0.64415	0.78951	0.94221	1.10265	1.27116	1.44808
0.55	0.	0.15968	0.31981	0.48103	0.64414	0.81006	0.97970	1.15392	1.33346	1.51901	1.34073
0.60	0.	0.19730	0.39351	0.58814	0.78146	0.97434	1.16789	1.36328	1.56162	1.39396	1.23880
0.65	0.	0.23545	0.46800	0.69596	0.91916	1.13853	1.35548	1.57157	1.41893	1.27650	1.14242
0.70	0.	0.27498	0.54469	0.80613	1.05889	1.30418	1.54390	1.41150	1.28640	1.16664	1.05166
0.75	0.	0.31700	0.62534	0.92058	1.20247	1.47295	1.36708	1.26477	1.16393	1.06434	0.96653
0.80	0.	0.36320	0.71232	1.04163	1.35198	1.28049	1.20758	1.13104	1.05128	0.96949	0.88700
0.85	0.	0.41635	0.80899	1.17222	1.14572	1.11052	1.06468	1.00980	0.94816	0.88191	0.81297
0.90	0.	0.48162	0.92038	0.95530	0.96903	0.96167	0.93746	0.90048	0.85417	0.80135	0.74431
0.95	0.	0.57011	0.69917	0.77854	0.81938	0.83234	0.82487	0.80237	0.76887	0.72753	0.68085
1.00	0.	0.36486	0.53621	0.63684	0.69386	0.72074	0.72578	0.71471	0.69174	0.66011	0.62237
1.05	0.	0.25271	0.41886	0.52453	0.58936	0.62496	0.63895	0.63669	0.62225	0.59873	0.56865
1.10	0.	0.18892	0.33444	0.43588	0.50273	0.54309	0.56312	0.56748	0.55980	0.54300	0.51941
1.15	0.	0.14858	0.27265	0.36576	0.43100	0.47326	0.49707	0.50621	0.50383	0.49251	0.47439
1.20	0.	0.12073	0.22626	0.30987	0.37151	0.41373	0.43961	0.45209	0.45376	0.44686	0.43331
1.25	0.	0.10032	0.19052	0.26487	0.32200	0.36294	0.38965	0.40432	0.40902	0.40565	0.39588
1.30	0.	0.08472	0.16236	0.22825	0.28058	0.31951	0.34619	0.36217	0.36908	0.36848	0.36182
1.35	0.	0.07245	0.13973	0.19811	0.24574	0.28229	0.30835	0.32498	0.33344	0.33500	0.33087
1.40	0.	0.06257	0.12126	0.17306	0.21625	0.25027	0.27534	0.29215	0.30165	0.30484	0.30276
1.45	0.	0.05448	0.10597	0.15203	0.19115	0.22263	0.24649	0.26314	0.27327	0.27769	0.27723
1.50	0.	0.04777	0.09317	0.13425	0.16965	0.19869	0.22121	0.23746	0.24792	0.25323	0.25407
1.55	0.	0.04212	0.08236	0.11909	0.15115	0.17787	0.19902	0.21471	0.22527	0.23120	0.23304
1.60	0.	0.03734	0.07314	0.10608	0.13514	0.15970	0.17948	0.19451	0.20500	0.21134	0.21396
1.65	0.	0.03325	0.06523	0.09485	0.12122	0.14378	0.16224	0.17654	0.18685	0.19342	0.19663
1.70	0.	0.02972	0.05840	0.08510	0.10907	0.12979	0.14697	0.16054	0.17056	0.17725	0.18089
1.75	0.	0.02667	0.05247	0.07660	0.09842	0.11745	0.13343	0.14625	0.15593	0.16263	0.16658
1.80	0.	0.02401	0.04728	0.06915	0.08904	0.10654	0.12139	0.13347	0.14277	0.14941	0.15356
1.85	0.	0.02168	0.04274	0.06259	0.08076	0.09686	0.11066	0.12202	0.13092	0.13744	0.14172
1.90	0.	0.01963	0.03873	0.05680	0.07342	0.08825	0.10106	0.11173	0.12023	0.12659	0.13092
1.95	0.	0.01783	0.03519	0.05167	0.06689	0.08056	0.09247	0.10248	0.11057	0.11674	0.12108
2.00	0.	0.01622	0.03205	0.04711	0.06108	0.07369	0.08475	0.09415	0.10182	0.10779	0.11209

TABLE I. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_\rho/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(e) Continued. Half cone angle, 60.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00
-1.00	-0.25081	-0.25508	-0.25552	-0.25246	-0.24630	-0.23749	-0.22652	-0.21390	-0.20014	-0.18571	-0.17106
-0.95	-0.27272	-0.27673	-0.27653	-0.27247	-0.26503	-0.25472	-0.24208	-0.22770	-0.21215	-0.19597	-0.17965
-0.90	-0.29683	-0.30050	-0.29951	-0.29430	-0.28539	-0.27335	-0.25882	-0.24245	-0.22488	-0.20673	-0.18856
-0.85	-0.32341	-0.32661	-0.32469	-0.31813	-0.30753	-0.29353	-0.27684	-0.25820	-0.23836	-0.21800	-0.19777
-0.80	-0.35271	-0.35532	-0.35229	-0.34417	-0.33162	-0.31537	-0.29624	-0.27504	-0.25263	-0.22979	-0.20725
-0.75	-0.38504	-0.38691	-0.38257	-0.37263	-0.35785	-0.33905	-0.31713	-0.29304	-0.26772	-0.24209	-0.21698
-0.70	-0.42073	-0.42169	-0.41579	-0.40377	-0.38644	-0.36473	-0.33965	-0.31226	-0.28366	-0.25489	-0.22690
-0.65	-0.46017	-0.45999	-0.45229	-0.43786	-0.41762	-0.39260	-0.36393	-0.33280	-0.30048	-0.26816	-0.23694
-0.60	-0.50376	-0.50221	-0.49239	-0.47520	-0.45165	-0.42288	-0.39013	-0.35476	-0.31820	-0.28186	-0.24701
-0.55	-0.55196	-0.54874	-0.53647	-0.51612	-0.48883	-0.45580	-0.41843	-0.37823	-0.33685	-0.29594	-0.25701
-0.50	-0.60527	-0.60005	-0.58494	-0.56101	-0.52947	-0.49164	-0.44903	-0.40334	-0.35645	-0.31032	-0.26677
-0.45	-0.66423	-0.65664	-0.63826	-0.61027	-0.57395	-0.53072	-0.48218	-0.43024	-0.37704	-0.32491	-0.27609
-0.40	-0.72943	-0.71903	-0.69691	-0.66435	-0.62268	-0.57338	-0.51817	-0.45910	-0.39863	-0.33957	-0.28471
-0.35	-0.80152	-0.78781	-0.76143	-0.72374	-0.67611	-0.62005	-0.55733	-0.49015	-0.42129	-0.35413	-0.29226
-0.30	-0.88119	-0.86359	-0.83239	-0.78898	-0.73475	-0.67119	-0.60009	-0.52370	-0.44509	-0.36838	-0.29827
-0.25	-0.96915	-0.94704	-0.91039	-0.86064	-0.79916	-0.72738	-0.64697	-0.56016	-0.47021	-0.38204	-0.30204
-0.20	-1.06619	-1.03884	-0.99608	-0.93935	-0.86997	-0.78923	-0.69863	-0.60014	-0.49697	-0.39480	-0.30255
-0.15	-1.17309	-1.13970	-1.09011	-1.02576	-0.94784	-0.85748	-0.75584	-0.64444	-0.52599	-0.40638	-0.29822
-0.10	-1.29068	-1.25035	-1.19318	-1.12053	-1.03348	-0.93291	-0.81955	-0.69422	-0.55843	-0.41684	-0.28626
-0.05	-1.41980	-1.37154	-1.30597	-1.22435	-1.12763	-1.01637	-0.89083	-0.75094	-0.59637	-0.42763	-0.26062
0.00	-1.56128	-1.50400	-1.42916	-1.33791	-1.23100	-1.10870	-0.97080	-0.81630	-0.64284	-0.44459	-0.19210
0.05	-1.21567	-1.14823	-1.06323	-0.96169	-0.84415	-0.71063	-0.56046	-0.39194	-0.20121	0.02132	-0.06569
0.10	-0.88239	-0.80376	-0.70785	-0.59550	-0.46704	-0.32226	-0.16021	0.02124	0.22644	0.09185	0.01073
0.15	-0.56056	-0.46991	-0.36248	-0.23891	-0.09938	0.05651	0.22987	0.42293	0.26726	0.14648	0.06761
0.20	-0.24927	-0.14594	-0.02652	0.10852	0.25917	0.42592	0.60995	0.44103	0.29943	0.18871	0.11173
0.25	0.05237	0.16891	0.30066	0.44733	0.60904	0.78635	0.60828	0.45365	0.32396	0.22126	0.14643
0.30	0.34529	0.47540	0.61970	0.77807	0.95073	0.76635	0.60309	0.46129	0.34195	0.24612	0.17378
0.35	0.63039	0.77432	0.93129	1.10135	0.91309	0.74434	0.59474	0.46456	0.35441	0.26476	0.19517
0.40	0.90862	1.06648	1.23615	1.04635	0.87477	0.72060	0.58362	0.46403	0.36221	0.27829	0.21167
0.45	1.18087	1.35268	1.16382	0.99199	0.83604	0.69545	0.57013	0.46028	0.36610	0.28757	0.22406
0.50	1.44808	1.26291	1.09353	0.93851	0.79715	0.66919	0.55469	0.45382	0.36673	0.29333	0.23302
0.55	1.34073	1.17675	1.02549	0.88614	0.75836	0.64215	0.53766	0.44512	0.36465	0.29613	0.23906
0.60	1.23880	1.09438	0.95991	0.83508	0.71991	0.61459	0.51940	0.43460	0.36032	0.29647	0.24264
0.65	1.14242	1.01595	0.89694	0.78554	0.68203	0.58680	0.50023	0.42262	0.35415	0.29476	0.24414
0.70	1.05168	0.94156	0.83672	0.73766	0.64491	0.55901	0.48042	0.40951	0.34649	0.29135	0.24388
0.75	0.96653	0.87126	0.77935	0.69160	0.60874	0.53143	0.46023	0.39555	0.33763	0.28655	0.24215
0.80	0.88700	0.80508	0.72488	0.64745	0.57365	0.50426	0.43988	0.38097	0.32785	0.28061	0.23919
0.85	0.81297	0.74299	0.67337	0.60530	0.53978	0.47764	0.41955	0.36601	0.31736	0.27377	0.23521
0.90	0.74431	0.68494	0.62481	0.56520	0.50721	0.45170	0.39940	0.35083	0.30637	0.26621	0.23040
0.95	0.68085	0.63085	0.57917	0.52719	0.47602	0.42657	0.37958	0.33560	0.29503	0.25811	0.22492
1.00	0.62237	0.58059	0.53642	0.49127	0.44626	0.40232	0.36018	0.32044	0.28349	0.24961	0.21892
1.05	0.56865	0.53401	0.49648	0.45742	0.41796	0.37901	0.34132	0.30546	0.27187	0.24083	0.21251
1.10	0.51941	0.49097	0.45926	0.42561	0.39112	0.35669	0.32304	0.29076	0.26028	0.23189	0.20580
1.15	0.47439	0.45127	0.42466	0.39580	0.36575	0.33539	0.30542	0.27641	0.24879	0.22288	0.19888
1.20	0.43331	0.41474	0.39255	0.36792	0.34183	0.31512	0.28848	0.26246	0.23748	0.21387	0.19184
1.25	0.39588	0.38118	0.36282	0.34189	0.31932	0.29589	0.27226	0.24896	0.22641	0.20493	0.18474
1.30	0.36182	0.35039	0.33533	0.31764	0.29818	0.27769	0.25677	0.23595	0.21562	0.19610	0.17763
1.35	0.33087	0.32218	0.30995	0.29509	0.27837	0.26049	0.24202	0.22344	0.20515	0.18745	0.17056
1.40	0.30276	0.29636	0.28655	0.27414	0.25984	0.24428	0.22800	0.21146	0.19502	0.17899	0.16359
1.45	0.27723	0.27274	0.26499	0.25470	0.24252	0.22902	0.21471	0.20001	0.18526	0.17076	0.15673
1.50	0.25407	0.25114	0.24513	0.23668	0.22635	0.21469	0.20213	0.18909	0.17588	0.16279	0.15002
1.55	0.23304	0.23141	0.22687	0.21999	0.21129	0.20123	0.19025	0.17870	0.16689	0.15508	0.14348
1.60	0.21396	0.21337	0.21007	0.20454	0.19725	0.18862	0.17903	0.16882	0.15828	0.14765	0.13712
1.65	0.19663	0.19689	0.19462	0.19025	0.18419	0.17681	0.16847	0.15946	0.15006	0.14050	0.13096
1.70	0.18089	0.18182	0.18042	0.17703	0.17204	0.16576	0.15852	0.15059	0.14223	0.13364	0.12501
1.75	0.16658	0.16805	0.16736	0.16481	0.16074	0.15543	0.14916	0.14220	0.13478	0.12707	0.11927
1.80	0.15356	0.15546	0.15535	0.15352	0.15023	0.14577	0.14037	0.13428	0.12769	0.12079	0.11375
1.85	0.14172	0.14393	0.14431	0.14307	0.14048	0.13675	0.13212	0.12679	0.12096	0.11480	0.10844
1.90	0.13092	0.13338	0.13414	0.13342	0.13141	0.12833	0.12437	0.11973	0.11458	0.10908	0.10336
1.95	0.12108	0.12371	0.12479	0.12449	0.12298	0.12046	0.11710	0.11308	0.10854	0.10363	0.09849
2.00	0.11209	0.11485	0.11618	0.11623	0.11515	0.11312	0.11029	0.10680	0.10282	0.09845	0.09383

TABLE I. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_\rho/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(e) Continued. Half cone angle, 60.0.

Dimensionless axial position, λ	Dimensionless radius, ρ										
	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50
-1.00	-0.17106	-0.15657	-0.14255	-0.12922	-0.11675	-0.10522	-0.09468	-0.08512	-0.07650	-0.06876	-0.06184
-0.95	-0.17965	-0.16363	-0.14823	-0.13371	-0.12022	-0.10784	-0.09661	-0.08649	-0.07743	-0.06934	-0.06216
-0.90	-0.18856	-0.17084	-0.15394	-0.13813	-0.12356	-0.11030	-0.09835	-0.08766	-0.07816	-0.06974	-0.06230
-0.85	-0.19777	-0.17818	-0.15965	-0.14244	-0.12672	-0.11254	-0.09986	-0.08861	-0.07867	-0.06993	-0.06225
-0.80	-0.20726	-0.18560	-0.16528	-0.14659	-0.12966	-0.11451	-0.10109	-0.08928	-0.07893	-0.06989	-0.06200
-0.75	-0.21698	-0.19305	-0.17079	-0.15049	-0.13229	-0.11616	-0.10200	-0.08964	-0.07890	-0.06959	-0.06151
-0.70	-0.22690	-0.20044	-0.17607	-0.15407	-0.13454	-0.11741	-0.10252	-0.08965	-0.07855	-0.06900	-0.06077
-0.65	-0.23694	-0.20770	-0.18102	-0.15721	-0.13632	-0.11820	-0.10261	-0.08926	-0.07785	-0.06810	-0.05976
-0.60	-0.24701	-0.21468	-0.18552	-0.15980	-0.13751	-0.11842	-0.10218	-0.08841	-0.07675	-0.06686	-0.05846
-0.55	-0.25701	-0.22125	-0.18939	-0.16169	-0.13801	-0.11799	-0.10116	-0.08705	-0.07521	-0.06526	-0.05686
-0.50	-0.26677	-0.22720	-0.19245	-0.16270	-0.13766	-0.11680	-0.09949	-0.08514	-0.07322	-0.06327	-0.05494
-0.45	-0.27609	-0.23230	-0.19445	-0.16262	-0.13631	-0.11474	-0.09709	-0.08263	-0.07072	-0.06088	-0.05268
-0.40	-0.28471	-0.23620	-0.19508	-0.16122	-0.13379	-0.11170	-0.09388	-0.07946	-0.06770	-0.05806	-0.05009
-0.35	-0.29226	-0.23848	-0.19396	-0.15821	-0.12992	-0.10756	-0.08981	-0.07560	-0.06414	-0.05481	-0.04715
-0.30	-0.29827	-0.23858	-0.19061	-0.15328	-0.12449	-0.10221	-0.08480	-0.07104	-0.06003	-0.05113	-0.04386
-0.25	-0.30204	-0.23571	-0.18446	-0.14606	-0.11733	-0.09557	-0.07883	-0.06574	-0.05536	-0.04702	-0.04025
-0.20	-0.30255	-0.22877	-0.17479	-0.13622	-0.10829	-0.08759	-0.07188	-0.05972	-0.05015	-0.04250	-0.03631
-0.15	-0.29822	-0.21619	-0.16080	-0.12345	-0.09728	-0.07824	-0.06397	-0.05301	-0.04443	-0.03760	-0.03208
-0.10	-0.28626	-0.19564	-0.14171	-0.10758	-0.08431	-0.06761	-0.05517	-0.04567	-0.03824	-0.03234	-0.02758
-0.05	-0.26062	-0.16405	-0.11711	-0.08870	-0.06953	-0.05580	-0.04558	-0.03776	-0.03164	-0.02678	-0.02285
0.00	-0.19210	-0.11957	-0.08753	-0.06728	-0.05326	-0.04304	-0.03534	-0.02939	-0.02471	-0.02097	-0.01793
0.05	-0.06569	-0.06729	-0.05477	-0.04416	-0.03595	-0.02960	-0.02463	-0.02069	-0.01753	-0.01497	-0.01287
0.10	0.01073	-0.01667	-0.02138	-0.02040	-0.01815	-0.01579	-0.01364	-0.01178	-0.01019	-0.00885	-0.00771
0.15	0.06761	0.02772	0.01048	0.00299	-0.00040	-0.00194	-0.00259	-0.00281	-0.00280	-0.00268	-0.00251
0.20	0.11173	0.06529	0.03954	0.02519	0.01681	0.01165	0.00832	0.00610	0.00456	0.00348	0.00269
0.25	0.14643	0.09661	0.06527	0.04567	0.03308	0.02470	0.01892	0.01480	0.01179	0.00954	0.00782
0.30	0.17378	0.12247	0.08759	0.06413	0.04815	0.03701	0.02904	0.02319	0.01881	0.01546	0.01285
0.35	0.19517	0.14361	0.10664	0.08047	0.06186	0.04844	0.03857	0.03118	0.02554	0.02117	0.01773
0.40	0.21167	0.16066	0.12264	0.09468	0.07412	0.05887	0.04741	0.03868	0.03193	0.02663	0.02242
0.45	0.22406	0.17418	0.13588	0.10685	0.08491	0.06826	0.05551	0.04564	0.03791	0.03179	0.02688
0.50	0.23302	0.18466	0.14664	0.11711	0.09427	0.07660	0.06283	0.05203	0.04347	0.03663	0.03110
0.55	0.23906	0.19251	0.15517	0.12558	0.10226	0.08388	0.06936	0.05781	0.04857	0.04111	0.03504
0.60	0.24264	0.19807	0.16174	0.13243	0.10894	0.09015	0.07510	0.06299	0.05320	0.04523	0.03870
0.65	0.24414	0.20168	0.16656	0.13781	0.11443	0.09546	0.08007	0.06756	0.05735	0.04897	0.04205
0.70	0.24388	0.20360	0.16986	0.14186	0.11879	0.09985	0.08431	0.07155	0.06103	0.05233	0.04511
0.75	0.24215	0.20407	0.17181	0.14473	0.12215	0.10340	0.08785	0.07496	0.06424	0.05532	0.04785
0.80	0.23919	0.20332	0.17261	0.14655	0.12458	0.10616	0.09073	0.07782	0.06701	0.05793	0.05030
0.85	0.23521	0.20152	0.17239	0.14744	0.12619	0.10820	0.09300	0.08017	0.06934	0.06019	0.05244
0.90	0.23040	0.19884	0.17132	0.14751	0.12706	0.10959	0.09470	0.08203	0.07127	0.06211	0.05430
0.95	0.22492	0.19544	0.16950	0.14688	0.12728	0.11039	0.09588	0.08345	0.07281	0.06369	0.05588
1.00	0.21892	0.19144	0.16707	0.14564	0.12692	0.11066	0.09659	0.08445	0.07398	0.06496	0.05719
1.05	0.21251	0.18695	0.16411	0.14387	0.12606	0.11047	0.09688	0.08507	0.07483	0.06595	0.05825
1.10	0.20580	0.18208	0.16072	0.14166	0.12475	0.10986	0.09678	0.08535	0.07536	0.06665	0.05907
1.15	0.19888	0.17691	0.15698	0.13907	0.12308	0.10888	0.09634	0.08531	0.07561	0.06711	0.05966
1.20	0.19184	0.17152	0.15297	0.13617	0.12108	0.10759	0.09560	0.08499	0.07560	0.06733	0.06005
1.25	0.18473	0.16598	0.14874	0.13303	0.11881	0.10603	0.09460	0.08441	0.07537	0.06735	0.06025
1.30	0.17763	0.16035	0.14435	0.12968	0.11632	0.10424	0.09336	0.08362	0.07492	0.06716	0.06027
1.35	0.17056	0.15467	0.13985	0.12618	0.11365	0.10225	0.09193	0.08263	0.07428	0.06681	0.06013
1.40	0.16359	0.14898	0.13528	0.12256	0.11083	0.10009	0.09032	0.08147	0.07348	0.06629	0.05984
1.45	0.15673	0.14333	0.13068	0.11886	0.10790	0.09781	0.08857	0.08016	0.07253	0.06564	0.05941
1.50	0.15002	0.13775	0.12608	0.11512	0.10489	0.09542	0.08671	0.07873	0.07146	0.06486	0.05887
1.55	0.14348	0.13225	0.12151	0.11135	0.10182	0.09295	0.08474	0.07719	0.07028	0.06397	0.05823
1.60	0.13712	0.12686	0.11698	0.10758	0.09872	0.09042	0.08270	0.07557	0.06900	0.06298	0.05748
1.65	0.13096	0.12160	0.11253	0.10384	0.09560	0.08785	0.08060	0.07387	0.06765	0.06192	0.05666
1.70	0.12501	0.11647	0.10815	0.10014	0.09249	0.08526	0.07846	0.07212	0.06623	0.06078	0.05576
1.75	0.11927	0.11150	0.10387	0.09648	0.08940	0.08266	0.07630	0.07033	0.06476	0.05959	0.05480
1.80	0.11375	0.10668	0.09970	0.09290	0.08633	0.08006	0.07411	0.06850	0.06325	0.05835	0.05379
1.85	0.10844	0.10202	0.09564	0.08938	0.08331	0.07748	0.07192	0.06666	0.06171	0.05707	0.05274
1.90	0.10336	0.09753	0.09170	0.08595	0.08034	0.07493	0.06974	0.06481	0.06014	0.05576	0.05165
1.95	0.09849	0.09321	0.08789	0.08261	0.07743	0.07241	0.06757	0.06295	0.05857	0.05442	0.05053
2.00	0.09383	0.08905	0.08420	0.07936	0.07459	0.06993	0.06543	0.06110	0.05698	0.05308	0.04939

TABLE I. - Concluded. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_\rho/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(e) Concluded. Half cone angle, 60.0.

Dimensionless axial position, τ_i	Dimensionless radius, ρ										
	1.50	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00
-1.00	-0.06184	-0.05567	-0.05017	-0.04527	-0.04091	-0.03702	-0.03356	-0.03048	-0.02772	-0.02525	-0.02305
-0.95	-0.06216	-0.05578	-0.05013	-0.04511	-0.04067	-0.03673	-0.03323	-0.03012	-0.02735	-0.02488	-0.02267
-0.90	-0.06230	-0.05573	-0.04994	-0.04483	-0.04032	-0.03633	-0.03281	-0.02968	-0.02690	-0.02444	-0.02224
-0.85	-0.06225	-0.05552	-0.04960	-0.04441	-0.03985	-0.03583	-0.03229	-0.02916	-0.02639	-0.02393	-0.02175
-0.80	-0.06200	-0.05511	-0.04910	-0.04385	-0.03925	-0.03522	-0.03167	-0.02855	-0.02580	-0.02336	-0.02120
-0.75	-0.06151	-0.05450	-0.04842	-0.04313	-0.03851	-0.03448	-0.03096	-0.02786	-0.02513	-0.02272	-0.02059
-0.70	-0.06077	-0.05368	-0.04755	-0.04224	-0.03764	-0.03363	-0.03013	-0.02707	-0.02438	-0.02202	-0.01993
-0.65	-0.05976	-0.05262	-0.04648	-0.04119	-0.03662	-0.03265	-0.02920	-0.02619	-0.02356	-0.02124	-0.01921
-0.60	-0.05846	-0.05131	-0.04520	-0.03996	-0.03545	-0.03155	-0.02817	-0.02522	-0.02265	-0.02040	-0.01842
-0.55	-0.05686	-0.04975	-0.04371	-0.03855	-0.03412	-0.03031	-0.02702	-0.02416	-0.02167	-0.01949	-0.01758
-0.50	-0.05494	-0.04793	-0.04199	-0.03695	-0.03264	-0.02895	-0.02576	-0.02300	-0.02061	-0.01851	-0.01668
-0.45	-0.05268	-0.04583	-0.04006	-0.03517	-0.03101	-0.02746	-0.02440	-0.02176	-0.01947	-0.01747	-0.01573
-0.40	-0.05009	-0.04345	-0.03789	-0.03320	-0.02923	-0.02584	-0.02293	-0.02042	-0.01825	-0.01637	-0.01472
-0.35	-0.04715	-0.04080	-0.03550	-0.03105	-0.02729	-0.02409	-0.02135	-0.01900	-0.01696	-0.01520	-0.01366
-0.30	-0.04386	-0.03788	-0.03290	-0.02873	-0.02521	-0.02223	-0.01968	-0.01749	-0.01561	-0.01397	-0.01255
-0.25	-0.04025	-0.03469	-0.03008	-0.02623	-0.02300	-0.02025	-0.01792	-0.01591	-0.01419	-0.01269	-0.01139
-0.20	-0.03631	-0.03125	-0.02707	-0.02358	-0.02065	-0.01818	-0.01607	-0.01426	-0.01271	-0.01136	-0.01019
-0.15	-0.03208	-0.02758	-0.02387	-0.02078	-0.01819	-0.01600	-0.01414	-0.01254	-0.01117	-0.00999	-0.00896
-0.10	-0.02758	-0.02371	-0.02051	-0.01785	-0.01562	-0.01374	-0.01214	-0.01077	-0.00959	-0.00857	-0.00769
-0.05	-0.02285	-0.01965	-0.01701	-0.01481	-0.01297	-0.01141	-0.01008	-0.00895	-0.00797	-0.00712	-0.00639
0.00	-0.01793	-0.01545	-0.01339	-0.01168	-0.01023	-0.00901	-0.00797	-0.00708	-0.00631	-0.00565	-0.00507
0.05	-0.01287	-0.01113	-0.00969	-0.00847	-0.00744	-0.00657	-0.00582	-0.00518	-0.00463	-0.00415	-0.00373
0.10	-0.00771	-0.00674	-0.00592	-0.00522	-0.00462	-0.00410	-0.00365	-0.00326	-0.00293	-0.00263	-0.00237
0.15	-0.00251	-0.00232	-0.00212	-0.00194	-0.00177	-0.00161	-0.00146	-0.00133	-0.00121	-0.00110	-0.00101
0.20	0.00269	0.00211	0.00167	0.00134	0.00109	0.00089	0.00073	0.00060	0.00050	0.00042	0.00036
0.25	0.00782	0.00649	0.00544	0.00460	0.00392	0.00337	0.00291	0.00253	0.00221	0.00195	0.00172
0.30	0.01285	0.01079	0.00915	0.00781	0.00672	0.00582	0.00507	0.00444	0.00391	0.00346	0.00307
0.35	0.01773	0.01498	0.01277	0.01096	0.00947	0.00824	0.00720	0.00633	0.00559	0.00495	0.00441
0.40	0.02242	0.01903	0.01628	0.01403	0.01216	0.01060	0.00929	0.00818	0.00723	0.00643	0.00573
0.45	0.02688	0.02291	0.01966	0.01698	0.01476	0.01289	0.01132	0.00999	0.00885	0.00787	0.00702
0.50	0.03110	0.02659	0.02289	0.01982	0.01726	0.01511	0.01329	0.01174	0.01041	0.00927	0.00829
0.55	0.03504	0.03006	0.02595	0.02253	0.01966	0.01724	0.01519	0.01344	0.01194	0.01064	0.00952
0.60	0.03870	0.03331	0.02883	0.02509	0.02194	0.01928	0.01701	0.01507	0.01340	0.01196	0.01071
0.65	0.04205	0.03631	0.03152	0.02750	0.02410	0.02121	0.01875	0.01663	0.01481	0.01323	0.01186
0.70	0.04511	0.03907	0.03401	0.02974	0.02612	0.02303	0.02039	0.01812	0.01616	0.01445	0.01297
0.75	0.04785	0.04158	0.03630	0.03182	0.02800	0.02474	0.02194	0.01953	0.01744	0.01562	0.01403
0.80	0.05030	0.04385	0.03838	0.03372	0.02975	0.02633	0.02339	0.02085	0.01864	0.01672	0.01504
0.85	0.05244	0.04586	0.04025	0.03546	0.03135	0.02781	0.02474	0.02209	0.01978	0.01776	0.01600
0.90	0.05430	0.04763	0.04193	0.03702	0.03280	0.02916	0.02599	0.02324	0.02084	0.01874	0.01690
0.95	0.05588	0.04917	0.04340	0.03842	0.03412	0.03039	0.02714	0.02431	0.02183	0.01966	0.01775
1.00	0.05719	0.05048	0.04468	0.03965	0.03529	0.03150	0.02818	0.02529	0.02275	0.02051	0.01854
1.05	0.05825	0.05157	0.04577	0.04072	0.03633	0.03249	0.02912	0.02618	0.02358	0.02130	0.01927
1.10	0.05907	0.05245	0.04668	0.04164	0.03723	0.03336	0.02997	0.02698	0.02434	0.02201	0.01995
1.15	0.05966	0.05314	0.04742	0.04240	0.03800	0.03412	0.03071	0.02770	0.02503	0.02267	0.02057
1.20	0.06005	0.05364	0.04800	0.04302	0.03864	0.03477	0.03135	0.02833	0.02564	0.02326	0.02114
1.25	0.06025	0.05397	0.04842	0.04351	0.03917	0.03532	0.03191	0.02888	0.02619	0.02379	0.02165
1.30	0.06027	0.05414	0.04870	0.04387	0.03958	0.03577	0.03237	0.02935	0.02666	0.02425	0.02210
1.35	0.06013	0.05416	0.04885	0.04411	0.03988	0.03611	0.03275	0.02975	0.02706	0.02466	0.02251
1.40	0.05984	0.05405	0.04887	0.04423	0.04008	0.03637	0.03305	0.03007	0.02740	0.02501	0.02286
1.45	0.05941	0.05381	0.04878	0.04425	0.04019	0.03654	0.03327	0.03033	0.02768	0.02530	0.02316
1.50	0.05887	0.05346	0.04858	0.04418	0.04021	0.03663	0.03342	0.03051	0.02790	0.02554	0.02341
1.55	0.05823	0.05301	0.04829	0.04401	0.04014	0.03665	0.03349	0.03064	0.02806	0.02573	0.02361
1.60	0.05748	0.05247	0.04791	0.04376	0.04000	0.03659	0.03350	0.03070	0.02816	0.02586	0.02377
1.65	0.05666	0.05185	0.04745	0.04344	0.03979	0.03647	0.03345	0.03071	0.02822	0.02595	0.02389
1.70	0.05576	0.05115	0.04692	0.04305	0.03952	0.03629	0.03335	0.03067	0.02823	0.02600	0.02397
1.75	0.05480	0.05039	0.04633	0.04260	0.03918	0.03605	0.03319	0.03058	0.02819	0.02600	0.02401
1.80	0.05379	0.04958	0.04568	0.04210	0.03880	0.03577	0.03299	0.03044	0.02811	0.02597	0.02401
1.85	0.05274	0.04872	0.04499	0.04154	0.03836	0.03543	0.03274	0.03026	0.02798	0.02590	0.02398
1.90	0.05165	0.04782	0.04425	0.04095	0.03788	0.03506	0.03245	0.03004	0.02783	0.02579	0.02391
1.95	0.05053	0.04688	0.04348	0.04031	0.03737	0.03464	0.03212	0.02979	0.02764	0.02565	0.02382
2.00	0.04939	0.04592	0.04268	0.03964	0.03682	0.03420	0.03176	0.02950	0.02742	0.02548	0.02370

TABLE II. - DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_\rho/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(a) Half cone angle, 15.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20
-0.20	0.	-0.00303	-0.00604	-0.00905	-0.01203	-0.01499	-0.01791	-0.02079	-0.02363	-0.02641	-0.02913
-0.18	0.	-0.00367	-0.00733	-0.01097	-0.01459	-0.01817	-0.02171	-0.02519	-0.02861	-0.03197	-0.03525
-0.16	0.	-0.00448	-0.00895	-0.01340	-0.01781	-0.02218	-0.02648	-0.03072	-0.03488	-0.03895	-0.04292
-0.14	0.	-0.00552	-0.01102	-0.01649	-0.02191	-0.02727	-0.03255	-0.03774	-0.04283	-0.04780	-0.05264
-0.12	0.	-0.00685	-0.01368	-0.02046	-0.02718	-0.03381	-0.04034	-0.04674	-0.05301	-0.05911	-0.06504
-0.10	0.	-0.00859	-0.01715	-0.02565	-0.03406	-0.04234	-0.05048	-0.05844	-0.06620	-0.07374	-0.08104
-0.08	0.	-0.01093	-0.02181	-0.03259	-0.04324	-0.05370	-0.06394	-0.07392	-0.08361	-0.09298	-0.10200
-0.06	0.	-0.01419	-0.02830	-0.04224	-0.05594	-0.06934	-0.08237	-0.09499	-0.10716	-0.11884	-0.13002
-0.04	0.	-0.01910	-0.03801	-0.05658	-0.07465	-0.09213	-0.10892	-0.12498	-0.14027	-0.15478	-0.16849
-0.02	0.	-0.02787	-0.05508	-0.08112	-0.10575	-0.12887	-0.15048	-0.17065	-0.18944	-0.20693	-0.22320
0.00	0.	-0.06130	-0.10402	-0.13972	-0.17085	-0.19857	-0.22357	-0.24628	-0.26704	-0.28607	-0.30355
0.02	0.	-0.02734	-0.05401	-0.07952	-0.10361	-0.12619	-0.14726	-0.16688	-0.18513	-0.20207	-0.21778
0.04	0.	-0.01803	-0.03589	-0.05339	-0.07040	-0.08681	-0.10253	-0.11751	-0.13171	-0.14512	-0.15773
0.06	0.	-0.01262	-0.02515	-0.03752	-0.04965	-0.06146	-0.07291	-0.08393	-0.09449	-0.10456	-0.11410
0.08	0.	-0.00887	-0.01769	-0.02641	-0.03499	-0.04338	-0.05153	-0.05942	-0.06701	-0.07427	-0.08117
0.10	0.	-0.00607	-0.01211	-0.01809	-0.02397	-0.02971	-0.03531	-0.04071	-0.04591	-0.05087	-0.05558
0.12	0.	-0.00390	-0.00778	-0.01161	-0.01537	-0.01904	-0.02259	-0.02601	-0.02927	-0.03236	-0.03526
0.14	0.	-0.00217	-0.00433	-0.00645	-0.00851	-0.01051	-0.01242	-0.01423	-0.01592	-0.01748	-0.01889
0.16	0.	-0.00077	-0.00153	-0.00227	-0.00296	-0.00360	-0.00417	-0.00466	-0.00506	-0.00536	-0.00555
0.18	0.	0.00037	0.00075	0.00116	0.00159	0.00207	0.00260	0.00319	0.00386	0.00460	0.00544
0.20	0.	0.00132	0.00264	0.00399	0.00536	0.00676	0.00820	0.00970	0.01125	0.01287	0.01455
0.22	0.	0.00211	0.00422	0.00635	0.00849	0.01067	0.01288	0.01513	0.01742	0.01977	0.02217
0.24	0.	0.00277	0.00554	0.00833	0.01113	0.01395	0.01680	0.01969	0.02261	0.02557	0.02858
0.26	0.	0.00333	0.00666	0.01000	0.01336	0.01673	0.02012	0.02354	0.02700	0.03048	0.03401
0.28	0.	0.00380	0.00761	0.01143	0.01525	0.01909	0.02295	0.02683	0.03073	0.03467	0.03863
0.30	0.	0.00421	0.00842	0.01264	0.01687	0.02111	0.02537	0.02964	0.03394	0.03826	0.04260
0.32	0.	0.00456	0.00912	0.01369	0.01827	0.02286	0.02745	0.03207	0.03670	0.04135	0.04602
0.34	0.	0.00486	0.00973	0.01460	0.01948	0.02437	0.02926	0.03417	0.03909	0.04403	0.04899
0.36	0.	0.00513	0.01026	0.01540	0.02054	0.02568	0.03084	0.03601	0.04118	0.04638	0.05158
0.38	0.	0.00536	0.01073	0.01609	0.02146	0.02684	0.03222	0.03762	0.04302	0.04843	0.05386
0.40	0.	0.00557	0.01113	0.01670	0.02228	0.02786	0.03344	0.03903	0.04464	0.05025	0.05587
0.42	0.	0.00575	0.01150	0.01725	0.02300	0.02876	0.03452	0.04029	0.04607	0.05186	0.05765
0.44	0.	0.00591	0.01182	0.01773	0.02365	0.02957	0.03549	0.04142	0.04735	0.05330	0.05925
0.46	0.	0.00605	0.01211	0.01817	0.02423	0.03029	0.03636	0.04243	0.04850	0.05459	0.06067
0.48	0.	0.00619	0.01237	0.01856	0.02475	0.03094	0.03714	0.04334	0.04954	0.05575	0.06196
0.50	0.	0.00630	0.01261	0.01891	0.02522	0.03153	0.03784	0.04416	0.05048	0.05680	0.06313
0.52	0.	0.00641	0.01282	0.01924	0.02565	0.03207	0.03849	0.04491	0.05134	0.05777	0.06420
0.54	0.	0.00651	0.01302	0.01953	0.02605	0.03256	0.03908	0.04560	0.05212	0.05865	0.06518
0.56	0.	0.00660	0.01320	0.01981	0.02641	0.03302	0.03962	0.04623	0.05285	0.05946	0.06608
0.58	0.	0.00669	0.01337	0.02006	0.02675	0.03344	0.04013	0.04682	0.05351	0.06021	0.06691
0.60	0.	0.00676	0.01353	0.02029	0.02706	0.03383	0.04060	0.04737	0.05414	0.06091	0.06769
0.62	0.	0.00684	0.01368	0.02051	0.02735	0.03419	0.04103	0.04788	0.05472	0.06157	0.06841
0.64	0.	0.00691	0.01381	0.02072	0.02763	0.03454	0.04145	0.04836	0.05527	0.06218	0.06910
0.66	0.	0.00697	0.01394	0.02092	0.02789	0.03486	0.04184	0.04881	0.05579	0.06277	0.06975
0.68	0.	0.00703	0.01407	0.02110	0.02814	0.03517	0.04221	0.04925	0.05628	0.06332	0.07036
0.70	0.	0.00709	0.01419	0.02128	0.02837	0.03547	0.04256	0.04966	0.05676	0.06385	0.07095
0.72	0.	0.00715	0.01430	0.02145	0.02860	0.03575	0.04291	0.05006	0.05721	0.06437	0.07152
0.74	0.	0.00721	0.01441	0.02162	0.02883	0.03603	0.04324	0.05045	0.05766	0.06486	0.07207
0.76	0.	0.00726	0.01452	0.02178	0.02904	0.03630	0.04357	0.05083	0.05809	0.06535	0.07261
0.78	0.	0.00731	0.01463	0.02194	0.02926	0.03657	0.04389	0.05120	0.05852	0.06583	0.07315
0.80	0.	0.00737	0.01474	0.02210	0.02947	0.03684	0.04421	0.05157	0.05894	0.06631	0.07368
0.82	0.	0.00742	0.01484	0.02227	0.02969	0.03711	0.04453	0.05195	0.05937	0.06679	0.06144
0.84	0.	0.00748	0.01495	0.02243	0.02991	0.03738	0.04486	0.05233	0.05981	0.05458	0.05044
0.86	0.	0.00753	0.01507	0.02260	0.03013	0.03767	0.04520	0.05273	0.04764	0.04375	0.04070
0.88	0.	0.00759	0.01519	0.02278	0.03038	0.03797	0.04556	0.04064	0.03704	0.03432	0.03219
0.90	0.	0.00766	0.01532	0.02298	0.03064	0.03829	0.03359	0.03035	0.02801	0.02625	0.02490
0.92	0.	0.00773	0.01547	0.02320	0.03093	0.02650	0.02371	0.02183	0.02051	0.01955	0.01882
0.94	0.	0.00782	0.01564	0.02346	0.01943	0.01723	0.01591	0.01507	0.01453	0.01416	0.01391
0.96	0.	0.00794	0.01587	0.01246	0.01106	0.01042	0.01012	0.01001	0.00999	0.01004	0.01012
0.98	0.	0.00811	0.00589	0.00560	0.00572	0.00596	0.00624	0.00652	0.00681	0.00708	0.00734
1.00	0.	0.00108	0.00183	0.00246	0.00302	0.00352	0.00396	0.00438	0.00475	0.00510	0.00543

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(a) Continued. Half cone angle, 15.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.34	0.36	0.38	0.40
-0.20	-0.02913	-0.03179	-0.03438	-0.03690	-0.03933	-0.04168	-0.04395	-0.04612	-0.04819	-0.05017	-0.05205
-0.18	-0.03525	-0.03844	-0.04155	-0.04456	-0.04747	-0.05027	-0.05296	-0.05553	-0.05798	-0.06031	-0.06251
-0.16	-0.04292	-0.04679	-0.05054	-0.05416	-0.05765	-0.06100	-0.06421	-0.06727	-0.07017	-0.07292	-0.07550
-0.14	-0.05264	-0.05733	-0.06188	-0.06626	-0.07047	-0.07450	-0.07834	-0.08199	-0.08544	-0.08868	-0.09172
-0.12	-0.06504	-0.07078	-0.07631	-0.08163	-0.08673	-0.09159	-0.09620	-0.10056	-0.10467	-0.10851	-0.11209
-0.10	-0.08104	-0.08808	-0.09485	-0.10133	-0.10751	-0.11338	-0.11892	-0.12414	-0.12903	-0.13357	-0.13777
-0.08	-0.10200	-0.11067	-0.11895	-0.12684	-0.13433	-0.14139	-0.14804	-0.15426	-0.16004	-0.16539	-0.17031
-0.06	-0.13002	-0.14066	-0.15076	-0.16032	-0.16932	-0.17776	-0.18564	-0.19297	-0.19974	-0.20596	-0.21163
-0.04	-0.16849	-0.18141	-0.19355	-0.20492	-0.21554	-0.22541	-0.23456	-0.24300	-0.25074	-0.25780	-0.26418
-0.02	-0.22320	-0.23831	-0.25234	-0.26533	-0.27734	-0.28841	-0.29858	-0.30789	-0.31636	-0.32404	-0.33093
0.00	-0.30355	-0.31963	-0.33443	-0.34803	-0.36053	-0.37197	-0.38243	-0.39195	-0.40057	-0.40833	-0.41525
0.02	-0.21778	-0.23233	-0.24579	-0.25821	-0.26964	-0.28012	-0.28970	-0.29840	-0.30626	-0.31331	-0.31957
0.04	-0.15773	-0.16954	-0.18056	-0.19080	-0.20027	-0.20899	-0.21696	-0.22420	-0.23073	-0.23656	-0.24169
0.06	-0.11410	-0.12310	-0.13155	-0.13943	-0.14674	-0.15348	-0.15963	-0.16520	-0.17019	-0.17460	-0.17844
0.08	-0.08117	-0.08769	-0.09381	-0.09952	-0.10481	-0.10965	-0.11404	-0.11798	-0.12146	-0.12447	-0.12700
0.10	-0.05558	-0.06001	-0.06414	-0.06797	-0.07147	-0.07463	-0.07745	-0.07990	-0.08200	-0.08371	-0.08505
0.12	-0.03526	-0.03796	-0.04042	-0.04266	-0.04464	-0.04636	-0.04780	-0.04897	-0.04984	-0.05041	-0.05068
0.14	-0.01889	-0.02015	-0.02123	-0.02212	-0.02282	-0.02331	-0.02359	-0.02364	-0.02346	-0.02304	-0.02238
0.16	-0.00555	-0.00560	-0.00553	-0.00530	-0.00493	-0.00439	-0.00367	-0.00278	-0.00170	-0.00043	0.00105
0.18	0.00544	0.00638	0.00742	0.00858	0.00986	0.01128	0.01283	0.01453	0.01638	0.01838	0.02055
0.20	0.01455	0.01632	0.01818	0.02013	0.02218	0.02433	0.02660	0.02898	0.03148	0.03411	0.03687
0.22	0.02217	0.02464	0.02718	0.02980	0.03249	0.03527	0.03815	0.04111	0.04418	0.04735	0.05063
0.24	0.02858	0.03164	0.03476	0.03794	0.04119	0.04451	0.04790	0.05137	0.05492	0.05855	0.06228
0.26	0.03401	0.03758	0.04119	0.04486	0.04858	0.05235	0.05619	0.06009	0.06406	0.06810	0.07220
0.28	0.03863	0.04263	0.04667	0.05075	0.05488	0.05905	0.06327	0.06755	0.07188	0.07627	0.08072
0.30	0.04260	0.04697	0.05138	0.05582	0.06030	0.06481	0.06937	0.07397	0.07861	0.08331	0.08805
0.32	0.04602	0.05072	0.05544	0.06019	0.06497	0.06979	0.07464	0.07952	0.08445	0.08941	0.09442
0.34	0.04899	0.05397	0.05897	0.06399	0.06904	0.07412	0.07922	0.08436	0.08953	0.09473	0.09996
0.36	0.05158	0.05681	0.06205	0.06731	0.07260	0.07790	0.08324	0.08859	0.09398	0.09939	0.10483
0.38	0.05386	0.05930	0.06476	0.07023	0.07572	0.08124	0.08677	0.09232	0.09790	0.10350	0.10912
0.40	0.05587	0.06150	0.06715	0.07281	0.07849	0.08418	0.08989	0.09562	0.10137	0.10714	0.11293
0.42	0.05765	0.06346	0.06927	0.07510	0.08094	0.08680	0.09267	0.09856	0.10446	0.11038	0.11632
0.44	0.05925	0.06520	0.07117	0.07715	0.08314	0.08914	0.09516	0.10118	0.10722	0.11328	0.11935
0.46	0.06067	0.06677	0.07288	0.07899	0.08511	0.09125	0.09739	0.10355	0.10971	0.11589	0.12209
0.48	0.06196	0.06819	0.07441	0.08065	0.08689	0.09315	0.09941	0.10568	0.11196	0.11826	0.12456
0.50	0.06313	0.06947	0.07581	0.08216	0.08851	0.09487	0.10124	0.10762	0.11401	0.12041	0.12681
0.52	0.06420	0.07064	0.07708	0.08353	0.08999	0.09645	0.10292	0.10939	0.11588	0.12237	0.12887
0.54	0.06518	0.07171	0.07825	0.08479	0.09134	0.09790	0.10446	0.11102	0.11760	0.12418	0.13076
0.56	0.06608	0.07270	0.07933	0.08595	0.09259	0.09923	0.10587	0.11252	0.11918	0.12584	0.13251
0.58	0.06691	0.07362	0.08032	0.08703	0.09375	0.10046	0.10719	0.11392	0.12065	0.12739	0.13413
0.60	0.06769	0.07447	0.08125	0.08803	0.09482	0.10162	0.10841	0.11521	0.12202	0.12883	0.13564
0.62	0.06841	0.07527	0.08212	0.08897	0.09583	0.10269	0.10956	0.11643	0.12330	0.13018	0.12397
0.64	0.06910	0.07602	0.08294	0.08986	0.09678	0.10371	0.11064	0.11757	0.12451	0.11838	0.11284
0.66	0.06975	0.07673	0.08371	0.09069	0.09768	0.10467	0.11166	0.11866	0.11260	0.10717	0.10227
0.68	0.07036	0.07740	0.08445	0.09149	0.09854	0.10559	0.11264	0.10666	0.10134	0.09656	0.09225
0.70	0.07095	0.07805	0.08515	0.09225	0.09936	0.10646	0.10056	0.09535	0.09071	0.08655	0.08279
0.72	0.07152	0.07868	0.08583	0.09299	0.10015	0.09433	0.08923	0.08474	0.08073	0.07714	0.07390
0.74	0.07207	0.07928	0.08649	0.09370	0.08797	0.08300	0.07865	0.07481	0.07140	0.06834	0.06558
0.76	0.07261	0.07988	0.08714	0.08149	0.07665	0.07247	0.06882	0.06559	0.06272	0.06016	0.05784
0.78	0.07315	0.08046	0.07490	0.07021	0.06621	0.06275	0.05973	0.05707	0.05470	0.05258	0.05067
0.80	0.07368	0.06821	0.06369	0.05988	0.05664	0.05384	0.05139	0.04924	0.04733	0.04562	0.04407
0.82	0.06144	0.05710	0.05351	0.05050	0.04794	0.04573	0.04380	0.04211	0.04060	0.03926	0.03805
0.84	0.05044	0.04711	0.04436	0.04205	0.04010	0.03842	0.03695	0.03567	0.03453	0.03351	0.03259
0.86	0.04070	0.03824	0.03622	0.03454	0.03312	0.03190	0.03084	0.02991	0.02909	0.02835	0.02769
0.88	0.03219	0.03049	0.02910	0.02795	0.02699	0.02616	0.02545	0.02483	0.02428	0.02379	0.02335
0.90	0.02490	0.02384	0.02298	0.02228	0.02169	0.02120	0.02078	0.02041	0.02009	0.01980	0.01955
0.92	0.01882	0.01827	0.01783	0.01749	0.01721	0.01698	0.01679	0.01663	0.01649	0.01637	0.01626
0.94	0.01391	0.01374	0.01363	0.01356	0.01351	0.01348	0.01347	0.01346	0.01346	0.01346	0.01347
0.96	0.01012	0.01021	0.01032	0.01043	0.01055	0.01066	0.01076	0.01087	0.01096	0.01105	0.01114
0.98	0.00734	0.00759	0.00782	0.00804	0.00825	0.00844	0.00862	0.00879	0.00894	0.00909	0.00922
1.00	0.00543	0.00573	0.00601	0.00627	0.00651	0.00674	0.00695	0.00715	0.00734	0.00751	0.00768

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(a) Continued. Half cone angle, 15.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.40	0.42	0.44	0.46	0.48	0.50	0.52	0.54	0.56	0.58	0.60
-0.20	-0.05205	-0.05382	-0.05549	-0.05705	-0.05850	-0.05984	-0.06108	-0.06220	-0.06321	-0.06411	-0.06490
-0.18	-0.06251	-0.06457	-0.06650	-0.06830	-0.06996	-0.07148	-0.07286	-0.07411	-0.07521	-0.07618	-0.07701
-0.16	-0.07550	-0.07791	-0.08015	-0.08222	-0.08412	-0.08584	-0.08739	-0.08876	-0.08996	-0.09099	-0.09185
-0.14	-0.09172	-0.09454	-0.09715	-0.09953	-0.10170	-0.10365	-0.10538	-0.10689	-0.10818	-0.10925	-0.11011
-0.12	-0.11209	-0.11539	-0.11842	-0.12117	-0.12364	-0.12584	-0.12776	-0.12940	-0.13077	-0.13186	-0.13269
-0.10	-0.13777	-0.14163	-0.14514	-0.14830	-0.15111	-0.15357	-0.15569	-0.15746	-0.15888	-0.15997	-0.16071
-0.08	-0.17031	-0.17478	-0.17882	-0.18243	-0.18560	-0.18833	-0.19064	-0.19251	-0.19396	-0.19499	-0.19561
-0.06	-0.21163	-0.21676	-0.22134	-0.22540	-0.22892	-0.23191	-0.23438	-0.23633	-0.23777	-0.23869	-0.23911
-0.04	-0.26418	-0.26991	-0.27499	-0.27944	-0.28325	-0.28644	-0.28902	-0.29099	-0.29235	-0.29311	-0.29327
-0.02	-0.33093	-0.33706	-0.34245	-0.34712	-0.35108	-0.35434	-0.35690	-0.35878	-0.35998	-0.36050	-0.36035
0.00	-0.41525	-0.42136	-0.42669	-0.43125	-0.43506	-0.43813	-0.44047	-0.44209	-0.44299	-0.44318	-0.44264
0.02	-0.31957	-0.32505	-0.32978	-0.33377	-0.33703	-0.33957	-0.34140	-0.34253	-0.34295	-0.34266	-0.34167
0.04	-0.24169	-0.24614	-0.24992	-0.25303	-0.25548	-0.25727	-0.25841	-0.25890	-0.25874	-0.25793	-0.25647
0.06	-0.17844	-0.18169	-0.18438	-0.18648	-0.18802	-0.18898	-0.18937	-0.18919	-0.18843	-0.18710	-0.18520
0.08	-0.12700	-0.12906	-0.13065	-0.13175	-0.13237	-0.13250	-0.13215	-0.13131	-0.12998	-0.12817	-0.12586
0.10	-0.08505	-0.08600	-0.08655	-0.08671	-0.08647	-0.08583	-0.08479	-0.08333	-0.08147	-0.07920	-0.07652
0.12	-0.05068	-0.05063	-0.05026	-0.04957	-0.04856	-0.04721	-0.04553	-0.04352	-0.04116	-0.03847	-0.03544
0.14	-0.02238	-0.02146	-0.02028	-0.01884	-0.01713	-0.01515	-0.01290	-0.01038	-0.00757	-0.00449	-0.00113
0.16	0.00105	0.00272	0.00461	0.00671	0.00903	0.01156	0.01432	0.01731	0.02052	0.02396	0.02763
0.18	0.02055	0.02288	0.02538	0.02805	0.03091	0.03394	0.03715	0.04055	0.04414	0.04791	0.05187
0.20	0.03687	0.03977	0.04281	0.04598	0.04931	0.05278	0.05639	0.06017	0.06409	0.06817	0.07240
0.22	0.05063	0.05401	0.05751	0.06113	0.06486	0.06872	0.07270	0.07680	0.08103	0.08539	0.08987
0.24	0.06228	0.06609	0.06999	0.07400	0.07810	0.08229	0.08659	0.09100	0.09551	0.10012	0.10484
0.26	0.07220	0.07639	0.08065	0.08499	0.08941	0.09391	0.09850	0.10317	0.10793	0.11278	0.11772
0.28	0.08072	0.08522	0.08980	0.09444	0.09914	0.10392	0.10876	0.11368	0.11866	0.12372	0.12886
0.30	0.08805	0.09285	0.09770	0.10260	0.10756	0.11258	0.11765	0.12278	0.12798	0.13324	0.13856
0.32	0.09442	0.09946	0.10456	0.10969	0.11488	0.12011	0.12540	0.13073	0.13611	0.14155	0.14703
0.34	0.09996	0.10524	0.11055	0.11589	0.12128	0.12671	0.13218	0.13769	0.14325	0.14885	0.15449
0.36	0.10483	0.11030	0.11581	0.12134	0.12691	0.13252	0.13815	0.14383	0.14954	0.15529	0.16108
0.38	0.10912	0.11477	0.12045	0.12615	0.13189	0.13765	0.14344	0.14927	0.15512	0.16101	0.16692
0.40	0.11293	0.11874	0.12457	0.13043	0.13631	0.14222	0.14815	0.15411	0.16009	0.16610	0.17214
0.42	0.11632	0.12227	0.12825	0.13424	0.14026	0.14630	0.15236	0.15844	0.16454	0.17067	0.16364
0.44	0.11935	0.12544	0.13154	0.13767	0.14381	0.14996	0.15614	0.16234	0.16855	0.16160	0.15508
0.46	0.12209	0.12829	0.13452	0.14075	0.14700	0.15327	0.15956	0.16586	0.15900	0.15258	0.14654
0.48	0.12456	0.13088	0.13721	0.14355	0.14991	0.15627	0.16266	0.15589	0.14956	0.14364	0.13807
0.50	0.12681	0.13323	0.13966	0.14610	0.15255	0.15901	0.15233	0.14610	0.14028	0.13483	0.12971
0.52	0.12887	0.13538	0.14190	0.14843	0.15497	0.14837	0.14224	0.13653	0.13120	0.12620	0.12150
0.54	0.13076	0.13736	0.14396	0.15057	0.14406	0.13803	0.13243	0.12721	0.12234	0.11777	0.11348
0.56	0.13251	0.13918	0.14587	0.13943	0.13350	0.12801	0.12291	0.11816	0.11373	0.10957	0.10566
0.58	0.13413	0.14088	0.13452	0.12869	0.12331	0.11833	0.11371	0.10941	0.10539	0.10162	0.09808
0.60	0.13564	0.12936	0.12362	0.11836	0.11351	0.10902	0.10486	0.10097	0.09734	0.09394	0.09075
0.62	0.12397	0.11834	0.11319	0.10847	0.10411	0.10009	0.09635	0.09287	0.08961	0.08656	0.08369
0.64	0.11284	0.10782	0.10323	0.09901	0.09513	0.09154	0.08821	0.08510	0.08220	0.07947	0.07691
0.66	0.10227	0.09781	0.09375	0.09001	0.08658	0.08340	0.08044	0.07769	0.07512	0.07270	0.07044
0.68	0.09225	0.08833	0.08476	0.08148	0.07846	0.07566	0.07306	0.07064	0.06838	0.06626	0.06426
0.70	0.08279	0.07938	0.07626	0.07341	0.07078	0.06834	0.06608	0.06397	0.06200	0.06015	0.05840
0.72	0.07390	0.07096	0.06827	0.06581	0.06354	0.06144	0.05949	0.05767	0.05597	0.05437	0.05287
0.74	0.06558	0.06308	0.06079	0.05869	0.05676	0.05497	0.05331	0.05176	0.05030	0.04894	0.04765
0.76	0.05784	0.05574	0.05382	0.05205	0.05043	0.04893	0.04753	0.04622	0.04500	0.04385	0.04277
0.78	0.05067	0.04893	0.04735	0.04590	0.04456	0.04332	0.04216	0.04108	0.04007	0.03912	0.03822
0.80	0.04407	0.04267	0.04139	0.04022	0.03914	0.03813	0.03720	0.03632	0.03550	0.03473	0.03400
0.82	0.03805	0.03695	0.03594	0.03502	0.03417	0.03338	0.03264	0.03195	0.03130	0.03069	0.03011
0.84	0.03259	0.03176	0.03100	0.03030	0.02965	0.02905	0.02849	0.02796	0.02747	0.02700	0.02655
0.86	0.02769	0.02709	0.02655	0.02604	0.02558	0.02514	0.02473	0.02435	0.02399	0.02364	0.02332
0.88	0.02335	0.02295	0.02259	0.02225	0.02194	0.02164	0.02137	0.02111	0.02086	0.02062	0.02040
0.90	0.01955	0.01931	0.01910	0.01890	0.01872	0.01854	0.01838	0.01822	0.01807	0.01793	0.01778
0.92	0.01626	0.01616	0.01607	0.01599	0.01591	0.01583	0.01576	0.01568	0.01561	0.01554	0.01547
0.94	0.01347	0.01347	0.01348	0.01348	0.01348	0.01348	0.01348	0.01347	0.01346	0.01344	0.01343
0.96	0.01114	0.01122	0.01129	0.01135	0.01141	0.01147	0.01152	0.01156	0.01159	0.01163	0.01165
0.98	0.00922	0.00935	0.00947	0.00958	0.00967	0.00977	0.00985	0.00993	0.01000	0.01006	0.01012
1.00	0.00768	0.00783	0.00797	0.00810	0.00823	0.00834	0.00845	0.00854	0.00864	0.00872	0.00880

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(a) Continued. Half cone angle, 15.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.60	0.62	0.64	0.66	0.68	0.70	0.72	0.74	0.76	0.78	0.80
-0.20	-0.06490	-0.06559	-0.06616	-0.06664	-0.06701	-0.06728	-0.06745	-0.06752	-0.06751	-0.06740	-0.06721
-0.18	-0.07701	-0.07771	-0.07828	-0.07871	-0.07902	-0.07920	-0.07926	-0.07921	-0.07904	-0.07877	-0.07839
-0.16	-0.09185	-0.09254	-0.09306	-0.09342	-0.09362	-0.09367	-0.09357	-0.09332	-0.09294	-0.09242	-0.09178
-0.14	-0.11011	-0.11076	-0.11120	-0.11143	-0.11147	-0.11132	-0.11098	-0.11046	-0.10976	-0.10891	-0.10789
-0.12	-0.13269	-0.13325	-0.13355	-0.13360	-0.13339	-0.13295	-0.13227	-0.13136	-0.13024	-0.12892	-0.12739
-0.10	-0.16071	-0.16113	-0.16122	-0.16099	-0.16045	-0.15960	-0.15845	-0.15702	-0.15532	-0.15335	-0.15114
-0.08	-0.19561	-0.19581	-0.19561	-0.19500	-0.19400	-0.19262	-0.19086	-0.18873	-0.18625	-0.18343	-0.18029
-0.06	-0.23911	-0.23902	-0.23844	-0.23736	-0.23579	-0.23373	-0.23120	-0.22819	-0.22473	-0.22081	-0.21646
-0.04	-0.29327	-0.29283	-0.29180	-0.29017	-0.28794	-0.28511	-0.28169	-0.27767	-0.27305	-0.26782	-0.26201
-0.02	-0.36035	-0.35952	-0.35801	-0.35581	-0.35292	-0.34933	-0.34502	-0.33998	-0.33420	-0.32764	-0.32028
0.00	-0.44264	-0.44139	-0.43941	-0.43670	-0.43324	-0.42901	-0.42400	-0.41817	-0.41150	-0.40395	-0.39546
0.02	-0.34167	-0.33997	-0.33755	-0.33441	-0.33052	-0.32588	-0.32047	-0.31425	-0.30720	-0.29930	-0.29048
0.04	-0.25647	-0.25435	-0.25157	-0.24812	-0.24400	-0.23918	-0.23367	-0.22745	-0.22051	-0.21282	-0.20437
0.06	-0.18520	-0.18272	-0.17965	-0.17601	-0.17178	-0.16696	-0.16154	-0.15553	-0.14892	-0.14172	-0.13391
0.08	-0.12586	-0.12306	-0.11976	-0.11598	-0.11170	-0.10693	-0.10168	-0.09593	-0.08970	-0.08299	-0.07581
0.10	-0.07652	-0.07342	-0.06992	-0.06601	-0.06169	-0.05697	-0.05185	-0.04633	-0.04042	-0.03413	-0.02746
0.12	-0.03544	-0.03207	-0.02836	-0.02432	-0.01994	-0.01523	-0.01019	-0.00483	0.00084	0.00683	0.01313
0.14	-0.00113	0.00250	0.00642	0.01061	0.01508	0.01982	0.02482	0.03009	0.03562	0.04141	0.04744
0.16	0.02763	0.03153	0.03566	0.04001	0.04459	0.04939	0.05441	0.05965	0.06510	0.07077	0.07664
0.18	0.05187	0.05602	0.06035	0.06488	0.06958	0.07448	0.07955	0.08481	0.09024	0.09585	0.10162
0.20	0.07240	0.07678	0.08132	0.08602	0.09087	0.09587	0.10103	0.10633	0.11178	0.11738	0.12312
0.22	0.08987	0.09449	0.09923	0.10410	0.10909	0.11422	0.11947	0.12485	0.13035	0.13597	0.12847
0.24	0.10484	0.10966	0.11459	0.11963	0.12478	0.13003	0.13539	0.14085	0.14642	0.13885	0.13169
0.26	0.11772	0.12274	0.12785	0.13306	0.13835	0.14373	0.14920	0.15476	0.14717	0.13999	0.13317
0.28	0.12886	0.13407	0.13935	0.14471	0.15015	0.15566	0.16124	0.15368	0.14650	0.13970	0.13323
0.30	0.13856	0.14394	0.14938	0.15489	0.16046	0.16610	0.15857	0.15144	0.14467	0.13824	0.13213
0.32	0.14703	0.15258	0.15817	0.16382	0.16952	0.16206	0.15498	0.14828	0.14191	0.13585	0.13009
0.34	0.15449	0.16018	0.16591	0.17169	0.16430	0.15731	0.15067	0.14438	0.13839	0.13270	0.12728
0.36	0.16108	0.16690	0.17276	0.16546	0.15855	0.15200	0.14579	0.13989	0.13429	0.12895	0.12386
0.38	0.16692	0.17288	0.16566	0.15884	0.15239	0.14627	0.14047	0.13496	0.12972	0.12472	0.11996
0.40	0.17214	0.16502	0.15829	0.15194	0.14593	0.14023	0.13482	0.12968	0.12479	0.12013	0.11568
0.42	0.16364	0.15701	0.15076	0.14486	0.13927	0.13397	0.12894	0.12415	0.11960	0.11526	0.11111
0.44	0.15508	0.14894	0.14314	0.13767	0.13248	0.12757	0.12290	0.11845	0.11422	0.11019	0.10634
0.46	0.14654	0.14086	0.13550	0.13043	0.12563	0.12108	0.11676	0.11264	0.10872	0.10499	0.10141
0.48	0.13807	0.13283	0.12788	0.12320	0.11878	0.11457	0.11058	0.10678	0.10316	0.09970	0.09640
0.50	0.12971	0.12489	0.12034	0.11603	0.11196	0.10809	0.10441	0.10091	0.09758	0.09439	0.09135
0.52	0.12150	0.11708	0.11290	0.10896	0.10522	0.10167	0.09830	0.09508	0.09202	0.08909	0.08630
0.54	0.11348	0.10943	0.10562	0.10201	0.09859	0.09535	0.09226	0.08932	0.08652	0.08384	0.08128
0.56	0.10566	0.10198	0.09851	0.09522	0.09211	0.08915	0.08634	0.08366	0.08110	0.07866	0.07632
0.58	0.09808	0.09474	0.09159	0.08861	0.08579	0.08310	0.08055	0.07812	0.07580	0.07358	0.07145
0.60	0.09075	0.08774	0.08490	0.08221	0.07965	0.07723	0.07492	0.07272	0.07062	0.06862	0.06669
0.62	0.08369	0.08099	0.07843	0.07602	0.07373	0.07155	0.06947	0.06750	0.06561	0.06380	0.06207
0.64	0.07691	0.07450	0.07222	0.07007	0.06802	0.06607	0.06422	0.06245	0.06076	0.05914	0.05759
0.66	0.07044	0.06830	0.06627	0.06436	0.06254	0.06081	0.05917	0.05759	0.05609	0.05465	0.05327
0.68	0.06426	0.06238	0.06060	0.05891	0.05731	0.05579	0.05433	0.05294	0.05161	0.05034	0.04912
0.70	0.05840	0.05676	0.05521	0.05373	0.05233	0.05100	0.04972	0.04851	0.04734	0.04623	0.04515
0.72	0.05287	0.05144	0.05010	0.04882	0.04761	0.04645	0.04535	0.04429	0.04328	0.04231	0.04138
0.74	0.04765	0.04644	0.04529	0.04420	0.04316	0.04216	0.04122	0.04031	0.03944	0.03860	0.03779
0.76	0.04277	0.04175	0.04077	0.03985	0.03897	0.03813	0.03733	0.03655	0.03581	0.03510	0.03441
0.78	0.03822	0.03737	0.03656	0.03579	0.03506	0.03436	0.03368	0.03304	0.03241	0.03181	0.03123
0.80	0.03400	0.03331	0.03265	0.03202	0.03142	0.03084	0.03029	0.02976	0.02924	0.02874	0.02826
0.82	0.03011	0.02956	0.02904	0.02853	0.02805	0.02759	0.02714	0.02671	0.02629	0.02589	0.02550
0.84	0.02655	0.02613	0.02572	0.02533	0.02495	0.02459	0.02424	0.02390	0.02357	0.02325	0.02294
0.86	0.02332	0.02300	0.02270	0.02241	0.02212	0.02185	0.02159	0.02133	0.02107	0.02083	0.02058
0.88	0.02040	0.02018	0.01996	0.01976	0.01956	0.01936	0.01917	0.01898	0.01879	0.01861	0.01843
0.90	0.01778	0.01764	0.01751	0.01737	0.01724	0.01711	0.01698	0.01685	0.01672	0.01659	0.01646
0.92	0.01547	0.01539	0.01532	0.01524	0.01517	0.01509	0.01501	0.01493	0.01485	0.01477	0.01469
0.94	0.01343	0.01341	0.01338	0.01336	0.01333	0.01330	0.01326	0.01322	0.01318	0.01314	0.01309
0.96	0.01165	0.01167	0.01169	0.01170	0.01171	0.01171	0.01171	0.01170	0.01169	0.01167	0.01166
0.98	0.01012	0.01017	0.01021	0.01025	0.01028	0.01031	0.01033	0.01035	0.01037	0.01038	0.01038
1.00	0.00880	0.00887	0.00893	0.00899	0.00904	0.00909	0.00913	0.00917	0.00920	0.00923	0.00925

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(a) Concluded. Half cone angle, 15.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.80	0.82	0.84	0.86	0.88	0.90	0.92	0.94	0.96	0.98	1.00
-0.20	-0.06721	-0.06694	-0.06659	-0.06617	-0.06568	-0.06512	-0.06450	-0.06382	-0.06309	-0.06231	-0.06149
-0.18	-0.07839	-0.07791	-0.07734	-0.07668	-0.07594	-0.07512	-0.07423	-0.07327	-0.07225	-0.07118	-0.07007
-0.16	-0.09178	-0.09101	-0.09013	-0.08915	-0.08807	-0.08690	-0.08564	-0.08431	-0.08291	-0.08146	-0.07995
-0.14	-0.10789	-0.10673	-0.10543	-0.10401	-0.10246	-0.10081	-0.09906	-0.09723	-0.09532	-0.09335	-0.09132
-0.12	-0.12739	-0.12569	-0.12381	-0.12178	-0.11961	-0.11730	-0.11489	-0.11237	-0.10977	-0.10710	-0.10438
-0.10	-0.15114	-0.14869	-0.14603	-0.14317	-0.14013	-0.13694	-0.13360	-0.13015	-0.12661	-0.12300	-0.11933
-0.08	-0.18029	-0.17684	-0.17311	-0.16912	-0.16489	-0.16046	-0.15586	-0.15111	-0.14625	-0.14132	-0.13636
-0.06	-0.21646	-0.21170	-0.20654	-0.20101	-0.19515	-0.18899	-0.18258	-0.17598	-0.16923	-0.16241	-0.15557
-0.04	-0.26201	-0.25559	-0.24860	-0.24105	-0.23296	-0.22438	-0.21537	-0.20600	-0.19638	-0.18664	-0.17690
-0.02	-0.32028	-0.31210	-0.30307	-0.29315	-0.28231	-0.27052	-0.25779	-0.24414	-0.22970	-0.21474	-0.19969
0.00	-0.39546	-0.38597	-0.37541	-0.36368	-0.35064	-0.33611	-0.31985	-0.30145	-0.28025	-0.25480	-0.21830
0.02	-0.29048	-0.28071	-0.26994	-0.25808	-0.24506	-0.23080	-0.21520	-0.19818	-0.17971	-0.15989	-0.15228
0.04	-0.20437	-0.19515	-0.18514	-0.17433	-0.16272	-0.15030	-0.13709	-0.12314	-0.10851	-0.10655	-0.10388
0.06	-0.13391	-0.12550	-0.11651	-0.10693	-0.09679	-0.08611	-0.07491	-0.06324	-0.06440	-0.06493	-0.06491
0.08	-0.07581	-0.06817	-0.06008	-0.05154	-0.04259	-0.03324	-0.02352	-0.02671	-0.02932	-0.03142	-0.03304
0.10	-0.02746	-0.02042	-0.01303	-0.00530	0.00276	0.01113	0.00653	0.00247	-0.00109	-0.00420	-0.00689
0.12	0.01313	0.01971	0.02659	0.03373	0.04115	0.03555	0.03046	0.02584	0.02167	0.01791	0.01452
0.14	0.04744	0.05371	0.06022	0.06696	0.06065	0.05483	0.04946	0.04451	0.03996	0.03578	0.03196
0.16	0.07644	0.08270	0.08897	0.08217	0.07582	0.06991	0.06441	0.05929	0.05454	0.05012	0.04603
0.18	0.10162	0.10757	0.10042	0.09372	0.08744	0.08155	0.07603	0.07086	0.06602	0.06149	0.05726
0.20	0.12312	0.11576	0.10882	0.10228	0.09612	0.09033	0.08487	0.07973	0.07490	0.07035	0.06607
0.22	0.12847	0.12138	0.11469	0.10836	0.10239	0.09674	0.09140	0.08635	0.08159	0.07709	0.07283
0.24	0.13169	0.12491	0.11849	0.11240	0.10664	0.10118	0.09600	0.09110	0.08644	0.08204	0.07786
0.26	0.13317	0.12671	0.12058	0.11476	0.10923	0.10398	0.09900	0.09426	0.08976	0.08548	0.08141
0.28	0.13323	0.12710	0.12127	0.11572	0.11045	0.10543	0.10065	0.09610	0.09177	0.08764	0.08371
0.30	0.13213	0.12632	0.12080	0.11553	0.11052	0.10574	0.10118	0.09684	0.09270	0.08874	0.08497
0.32	0.13009	0.12461	0.11938	0.11440	0.10965	0.10512	0.10079	0.09666	0.09271	0.08894	0.08533
0.34	0.12728	0.12212	0.11720	0.11250	0.10801	0.10373	0.09963	0.09572	0.09197	0.08839	0.08496
0.36	0.12386	0.11901	0.11439	0.10997	0.10575	0.10171	0.09785	0.09415	0.09061	0.08721	0.08396
0.38	0.11996	0.11542	0.11108	0.10693	0.10297	0.09918	0.09554	0.09206	0.08873	0.08553	0.08246
0.40	0.11568	0.11144	0.10738	0.10350	0.09979	0.09623	0.09282	0.08956	0.08642	0.08341	0.08053
0.42	0.11111	0.10716	0.10337	0.09975	0.09628	0.09296	0.08978	0.08672	0.08378	0.08096	0.07825
0.44	0.10634	0.10266	0.09914	0.09577	0.09254	0.08944	0.08647	0.08362	0.08087	0.07824	0.07570
0.46	0.10141	0.09800	0.09474	0.09161	0.08861	0.08573	0.08297	0.08031	0.07776	0.07530	0.07294
0.48	0.09640	0.09325	0.09022	0.08733	0.08455	0.08188	0.07932	0.07686	0.07449	0.07221	0.07001
0.50	0.09135	0.08844	0.08565	0.08298	0.08041	0.07795	0.07558	0.07330	0.07111	0.06900	0.06696
0.52	0.08630	0.08362	0.08106	0.07860	0.07623	0.07397	0.07178	0.06968	0.06766	0.06571	0.06383
0.54	0.08128	0.07882	0.07647	0.07422	0.07205	0.06997	0.06797	0.06604	0.06418	0.06238	0.06065
0.56	0.07632	0.07408	0.07193	0.06987	0.06789	0.06599	0.06415	0.06239	0.06068	0.05904	0.05745
0.58	0.07145	0.06942	0.06746	0.06559	0.06378	0.06205	0.06038	0.05877	0.05721	0.05571	0.05426
0.60	0.06669	0.06485	0.06308	0.06138	0.05975	0.05817	0.05666	0.05519	0.05378	0.05242	0.05110
0.62	0.06207	0.06041	0.05881	0.05728	0.05580	0.05438	0.05301	0.05169	0.05041	0.04918	0.04798
0.64	0.05759	0.05610	0.05467	0.05329	0.05197	0.05069	0.04946	0.04827	0.04712	0.04600	0.04493
0.66	0.05327	0.05194	0.05067	0.04944	0.04826	0.04711	0.04601	0.04495	0.04392	0.04292	0.04195
0.68	0.04912	0.04795	0.04682	0.04573	0.04468	0.04366	0.04268	0.04174	0.04082	0.03993	0.03907
0.70	0.04515	0.04412	0.04313	0.04217	0.04124	0.04035	0.03948	0.03864	0.03783	0.03704	0.03628
0.72	0.04138	0.04048	0.03961	0.03877	0.03796	0.03718	0.03642	0.03568	0.03497	0.03428	0.03360
0.74	0.03779	0.03702	0.03627	0.03554	0.03484	0.03416	0.03350	0.03286	0.03224	0.03163	0.03104
0.76	0.03441	0.03375	0.03311	0.03248	0.03188	0.03130	0.03073	0.03018	0.02964	0.02912	0.02861
0.78	0.03123	0.03067	0.03013	0.02961	0.02909	0.02860	0.02811	0.02764	0.02718	0.02673	0.02630
0.80	0.02826	0.02780	0.02734	0.02690	0.02648	0.02606	0.02565	0.02525	0.02487	0.02449	0.02411
0.82	0.02550	0.02512	0.02475	0.02438	0.02403	0.02369	0.02335	0.02302	0.02269	0.02238	0.02206
0.84	0.02294	0.02263	0.02234	0.02204	0.02176	0.02148	0.02120	0.02093	0.02067	0.02040	0.02015
0.86	0.02058	0.02035	0.02011	0.01988	0.01966	0.01943	0.01921	0.01900	0.01878	0.01857	0.01836
0.88	0.01843	0.01825	0.01807	0.01789	0.01772	0.01755	0.01738	0.01721	0.01704	0.01687	0.01670
0.90	0.01646	0.01633	0.01621	0.01608	0.01595	0.01582	0.01569	0.01556	0.01543	0.01530	0.01517
0.92	0.01469	0.01460	0.01451	0.01443	0.01434	0.01424	0.01415	0.01406	0.01396	0.01387	0.01377
0.94	0.01309	0.01304	0.01299	0.01293	0.01287	0.01281	0.01275	0.01269	0.01262	0.01255	0.01248
0.96	0.01166	0.01164	0.01161	0.01158	0.01155	0.01152	0.01148	0.01144	0.01140	0.01136	0.01131
0.98	0.01038	0.01038	0.01038	0.01038	0.01037	0.01035	0.01034	0.01032	0.01030	0.01027	0.01025
1.00	0.00925	0.00927	0.00929	0.00930	0.00931	0.00931	0.00931	0.00931	0.00930	0.00929	0.00928

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(b) Half cone angle, 22.5.

Dimensionless axial position, ζ	Dimensionless radius, ρ										
	0	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20
-0.20	0.	-0.00868	-0.01733	-0.02592	-0.03443	-0.04283	-0.05109	-0.05920	-0.06712	-0.07483	-0.08232
-0.18	0.	-0.01005	-0.02007	-0.03002	-0.03987	-0.04958	-0.05912	-0.06846	-0.07758	-0.08645	-0.09503
-0.16	0.	-0.01170	-0.02336	-0.03494	-0.04638	-0.05765	-0.06870	-0.07951	-0.09004	-0.10025	-0.11013
-0.14	0.	-0.01370	-0.02735	-0.04088	-0.05424	-0.06738	-0.08024	-0.09279	-0.10499	-0.11678	-0.12815
-0.12	0.	-0.01615	-0.03223	-0.04815	-0.06385	-0.07925	-0.09429	-0.10892	-0.12308	-0.13673	-0.14984
-0.10	0.	-0.01922	-0.03833	-0.05723	-0.07580	-0.09397	-0.11164	-0.12875	-0.14524	-0.16106	-0.17618
-0.08	0.	-0.02317	-0.04617	-0.06884	-0.09103	-0.11262	-0.13349	-0.15357	-0.17280	-0.19112	-0.20852
-0.06	0.	-0.02849	-0.05669	-0.08432	-0.11116	-0.13702	-0.16180	-0.18539	-0.20777	-0.22889	-0.24877
-0.04	0.	-0.03627	-0.07189	-0.10635	-0.13928	-0.17049	-0.19988	-0.22744	-0.25322	-0.27726	-0.29962
-0.02	0.	-0.04980	-0.09737	-0.14158	-0.18224	-0.21951	-0.25369	-0.28507	-0.31391	-0.34042	-0.36481
0.00	0.	-0.09274	-0.15677	-0.20994	-0.25605	-0.29689	-0.33352	-0.36663	-0.39671	-0.42414	-0.44917
0.02	0.	-0.04897	-0.09571	-0.13910	-0.17892	-0.21536	-0.24870	-0.27924	-0.30723	-0.33289	-0.35642
0.04	0.	-0.03462	-0.06859	-0.10139	-0.13267	-0.16221	-0.18993	-0.21582	-0.23991	-0.26225	-0.28290
0.06	0.	-0.02603	-0.05176	-0.07692	-0.10129	-0.12467	-0.14695	-0.16805	-0.18790	-0.20650	-0.22382
0.08	0.	-0.01991	-0.03965	-0.05905	-0.07797	-0.09627	-0.11384	-0.13061	-0.14651	-0.16148	-0.17550
0.10	0.	-0.01518	-0.03025	-0.04510	-0.05961	-0.07371	-0.08730	-0.10030	-0.11267	-0.12435	-0.13529
0.12	0.	-0.01136	-0.02263	-0.03375	-0.04463	-0.05520	-0.06539	-0.07515	-0.08442	-0.09316	-0.10132
0.14	0.	-0.00817	-0.01629	-0.02428	-0.03209	-0.03966	-0.04694	-0.05389	-0.06045	-0.06659	-0.07227
0.16	0.	-0.00547	-0.01089	-0.01622	-0.02141	-0.02640	-0.03117	-0.03567	-0.03986	-0.04370	-0.04716
0.18	0.	-0.00315	-0.00625	-0.00928	-0.01219	-0.01496	-0.01753	-0.01988	-0.02198	-0.02380	-0.02530
0.20	0.	-0.00112	-0.00221	-0.00324	-0.00417	-0.00498	-0.00563	-0.00610	-0.00635	-0.00637	-0.00612
0.22	0.	0.00065	0.00133	0.00205	0.00286	0.00378	0.00482	0.00602	0.00740	0.00899	0.01079
0.24	0.	0.00221	0.00445	0.00673	0.00908	0.01152	0.01406	0.01674	0.01958	0.02258	0.02578
0.26	0.	0.00360	0.00722	0.01088	0.01459	0.01838	0.02227	0.02627	0.03040	0.03468	0.03913
0.28	0.	0.00484	0.00969	0.01457	0.01951	0.02451	0.02959	0.03477	0.04007	0.04549	0.05105
0.30	0.	0.00594	0.01190	0.01788	0.02391	0.03000	0.03615	0.04239	0.04873	0.05518	0.06176
0.32	0.	0.00694	0.01388	0.02086	0.02787	0.03493	0.04205	0.04925	0.05653	0.06391	0.07139
0.34	0.	0.00783	0.01568	0.02354	0.03144	0.03938	0.04738	0.05543	0.06357	0.07179	0.08010
0.36	0.	0.00864	0.01730	0.02597	0.03467	0.04341	0.05220	0.06104	0.06995	0.07893	0.08800
0.38	0.	0.00938	0.01877	0.02818	0.03761	0.04707	0.05658	0.06614	0.07575	0.08543	0.09518
0.40	0.	0.01005	0.02011	0.03019	0.04029	0.05041	0.06058	0.07078	0.08104	0.09136	0.10173
0.42	0.	0.01067	0.02134	0.03203	0.04274	0.05347	0.06424	0.07504	0.08589	0.09679	0.10774
0.44	0.	0.01123	0.02247	0.03372	0.04499	0.05628	0.06760	0.07895	0.09034	0.10177	0.11326
0.46	0.	0.01175	0.02351	0.03528	0.04706	0.05886	0.07069	0.08255	0.09444	0.10638	0.11835
0.48	0.	0.01223	0.02447	0.03672	0.04898	0.06126	0.07356	0.08588	0.09824	0.11063	0.12306
0.50	0.	0.01268	0.02536	0.03805	0.05076	0.06348	0.07621	0.08898	0.10177	0.11459	0.12744
0.52	0.	0.01310	0.02619	0.03930	0.05241	0.06554	0.07869	0.09186	0.10505	0.11827	0.13152
0.54	0.	0.01348	0.02697	0.04046	0.05396	0.06748	0.08101	0.09455	0.10812	0.12172	0.13534
0.56	0.	0.01385	0.02770	0.04155	0.05542	0.06929	0.08318	0.09709	0.11101	0.12495	0.13892
0.58	0.	0.01419	0.02838	0.04258	0.05679	0.07100	0.08523	0.09947	0.11373	0.12800	0.14230
0.60	0.	0.01452	0.02903	0.04356	0.05808	0.07262	0.08717	0.10173	0.11630	0.13089	0.14550
0.62	0.	0.01482	0.02965	0.04448	0.05932	0.07416	0.08901	0.10387	0.11875	0.13364	0.14854
0.64	0.	0.01512	0.03024	0.04536	0.06049	0.07563	0.09077	0.10592	0.12109	0.13626	0.15145
0.66	0.	0.01540	0.03081	0.04621	0.06162	0.07704	0.09246	0.10789	0.12333	0.13878	0.15424
0.68	0.	0.01567	0.03135	0.04703	0.06271	0.07839	0.09408	0.10978	0.12549	0.14120	0.15692
0.70	0.	0.01594	0.03188	0.04782	0.06376	0.07971	0.09566	0.11162	0.12758	0.14355	0.15953
0.72	0.	0.01620	0.03239	0.04859	0.06479	0.08099	0.09720	0.11341	0.12962	0.14584	0.16206
0.74	0.	0.01645	0.03290	0.04935	0.06580	0.08225	0.09871	0.11516	0.13162	0.14809	0.16455
0.76	0.	0.01670	0.03340	0.05010	0.06679	0.08349	0.10019	0.11690	0.13360	0.15030	0.16701
0.78	0.	0.01695	0.03389	0.05084	0.06779	0.08473	0.10168	0.11862	0.13556	0.15251	0.16945
0.80	0.	0.01720	0.03439	0.05159	0.06878	0.08598	0.10317	0.12035	0.13754	0.15472	0.17190
0.82	0.	0.01745	0.03490	0.05235	0.06980	0.08724	0.10468	0.12211	0.13954	0.15696	0.14633
0.84	0.	0.01771	0.03542	0.05313	0.07084	0.08853	0.10623	0.12391	0.14158	0.13134	0.12327
0.86	0.	0.01799	0.03597	0.05395	0.07192	0.08989	0.10784	0.12578	0.11597	0.10853	0.10270
0.88	0.	0.01828	0.03655	0.05482	0.07307	0.09132	0.10955	0.10024	0.09353	0.08850	0.08459
0.90	0.	0.01860	0.03718	0.05576	0.07433	0.09287	0.08417	0.07834	0.07422	0.07119	0.06889
0.92	0.	0.01896	0.03790	0.05683	0.07574	0.06780	0.06304	0.06000	0.05796	0.05655	0.05553
0.94	0.	0.01938	0.03875	0.05809	0.05118	0.04780	0.04604	0.04511	0.04465	0.04446	0.04441
0.96	0.	0.01994	0.03985	0.03449	0.03294	0.03269	0.03299	0.03352	0.03413	0.03477	0.03539
0.98	0.	0.02082	0.01825	0.01917	0.02062	0.02213	0.02357	0.02490	0.02613	0.02725	0.02827
1.00	0.	0.00494	0.00828	0.01100	0.01334	0.01538	0.01719	0.01881	0.02027	0.02159	0.02278

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(b) Continued. Half cone angle, 22.5.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.34	0.36	0.38	0.40
-0.20	-0.08232	-0.08956	-0.09654	-0.10323	-0.10963	-0.11573	-0.12150	-0.12694	-0.13205	-0.13681	-0.14122
-0.18	-0.09503	-0.10332	-0.11129	-0.11892	-0.12619	-0.13309	-0.13962	-0.14575	-0.15148	-0.15680	-0.16170
-0.16	-0.11013	-0.11963	-0.12874	-0.13744	-0.14571	-0.15354	-0.16091	-0.16781	-0.17423	-0.18017	-0.18563
-0.14	-0.12815	-0.13906	-0.14949	-0.15941	-0.16881	-0.17768	-0.18600	-0.19375	-0.20095	-0.20757	-0.21362
-0.12	-0.14984	-0.16237	-0.17430	-0.18561	-0.19628	-0.20630	-0.21566	-0.22436	-0.23238	-0.23973	-0.24641
-0.10	-0.17618	-0.19056	-0.20418	-0.21703	-0.22909	-0.24037	-0.25085	-0.26054	-0.26944	-0.27755	-0.28487
-0.08	-0.20852	-0.22496	-0.24043	-0.25495	-0.26849	-0.28109	-0.29273	-0.30343	-0.31320	-0.32206	-0.33001
-0.06	-0.24877	-0.26740	-0.28481	-0.30102	-0.31606	-0.32994	-0.34270	-0.35435	-0.36494	-0.37448	-0.38299
-0.04	-0.29962	-0.32039	-0.33962	-0.35738	-0.37374	-0.38874	-0.40244	-0.41489	-0.42612	-0.43618	-0.44509
-0.02	-0.36481	-0.38722	-0.40780	-0.42667	-0.44393	-0.45965	-0.47393	-0.48682	-0.49839	-0.50868	-0.51773
0.00	-0.44917	-0.47205	-0.49295	-0.51201	-0.52936	-0.54511	-0.55934	-0.57212	-0.58353	-0.59361	-0.60242
0.02	-0.35642	-0.37797	-0.39768	-0.41566	-0.43202	-0.44685	-0.46021	-0.47217	-0.48280	-0.49213	-0.50021
0.04	-0.28290	-0.30194	-0.31943	-0.33544	-0.35002	-0.36322	-0.37510	-0.38570	-0.39506	-0.40321	-0.41018
0.06	-0.22382	-0.23989	-0.25470	-0.26829	-0.28068	-0.29188	-0.30193	-0.31084	-0.31864	-0.32534	-0.33097
0.08	-0.17550	-0.18854	-0.20059	-0.21164	-0.22170	-0.23075	-0.23881	-0.24589	-0.25199	-0.25712	-0.26128
0.10	-0.13529	-0.14547	-0.15485	-0.16342	-0.17117	-0.17808	-0.18415	-0.18937	-0.19374	-0.19725	-0.19991
0.12	-0.10132	-0.10887	-0.11578	-0.12203	-0.12759	-0.13245	-0.13659	-0.14001	-0.14268	-0.14462	-0.14580
0.14	-0.07227	-0.07745	-0.08210	-0.08621	-0.08974	-0.09269	-0.09502	-0.09673	-0.09780	-0.09823	-0.09800
0.16	-0.04716	-0.05022	-0.05284	-0.05501	-0.05669	-0.05787	-0.05852	-0.05865	-0.05822	-0.05723	-0.05567
0.18	-0.02530	-0.02646	-0.02725	-0.02766	-0.02766	-0.02723	-0.02635	-0.02502	-0.02320	-0.02090	-0.01810
0.20	-0.00612	-0.00559	-0.00474	-0.00357	-0.00205	-0.00016	0.00212	0.00479	0.00787	0.01138	0.01533
0.22	0.01079	0.01284	0.01515	0.01775	0.02065	0.02386	0.02740	0.03129	0.03554	0.04016	0.04516
0.24	0.02678	0.02919	0.03282	0.03670	0.04083	0.04524	0.04994	0.05493	0.06024	0.06588	0.07184
0.26	0.03913	0.04375	0.04857	0.05360	0.05886	0.06435	0.07009	0.07610	0.08237	0.08893	0.09578
0.28	0.05105	0.05677	0.06267	0.06874	0.07501	0.08148	0.08818	0.09510	0.10226	0.10966	0.11733
0.30	0.06176	0.06847	0.07532	0.08234	0.08953	0.09689	0.10445	0.11221	0.12018	0.12836	0.13677
0.32	0.07139	0.07900	0.08673	0.09460	0.10263	0.11081	0.11915	0.12767	0.13638	0.14527	0.15437
0.34	0.08010	0.08852	0.09705	0.10570	0.11448	0.12340	0.13247	0.14169	0.15107	0.16062	0.17034
0.36	0.08800	0.09715	0.10641	0.11577	0.12525	0.13484	0.14457	0.15443	0.16444	0.17459	0.18490
0.38	0.09518	0.10501	0.11493	0.12494	0.13505	0.14527	0.15561	0.16606	0.17664	0.18735	0.19819
0.40	0.10173	0.11218	0.12271	0.13332	0.14402	0.15481	0.16570	0.17670	0.18781	0.19903	0.21037
0.42	0.10774	0.11876	0.12984	0.14100	0.15224	0.16356	0.17496	0.18647	0.19807	0.20977	0.22158
0.44	0.11326	0.12480	0.13640	0.14807	0.15980	0.17161	0.18350	0.19546	0.20752	0.21967	0.23191
0.46	0.11835	0.13038	0.14245	0.15459	0.16678	0.17905	0.19138	0.20378	0.21626	0.22882	0.24147
0.48	0.12306	0.13554	0.14806	0.16063	0.17325	0.18594	0.19868	0.21149	0.22437	0.23732	0.25034
0.50	0.12744	0.14033	0.15326	0.16624	0.17927	0.19235	0.20548	0.21867	0.23192	0.24523	0.25861
0.52	0.13152	0.14480	0.15812	0.17148	0.18488	0.19833	0.21183	0.22537	0.23897	0.25263	0.26634
0.54	0.13534	0.14898	0.16267	0.17638	0.19014	0.20393	0.21777	0.23165	0.24558	0.25956	0.27360
0.56	0.13892	0.15291	0.16694	0.18099	0.19508	0.20920	0.22336	0.23756	0.25180	0.26609	0.28042
0.58	0.14230	0.15662	0.17097	0.18534	0.19974	0.21417	0.22864	0.24314	0.25768	0.27226	0.28687
0.60	0.14550	0.16013	0.17478	0.18945	0.20416	0.21888	0.23364	0.24843	0.26325	0.27810	0.29299
0.62	0.14854	0.16347	0.17841	0.19337	0.20836	0.22336	0.23840	0.25346	0.26855	0.28367	0.27016
0.64	0.15145	0.16665	0.18187	0.19711	0.21237	0.22765	0.24295	0.25827	0.27362	0.26036	0.24830
0.66	0.15424	0.16971	0.18520	0.20070	0.21622	0.23176	0.24731	0.26289	0.24989	0.23814	0.22746
0.68	0.15692	0.17266	0.18840	0.20416	0.21993	0.23572	0.25152	0.23878	0.22736	0.21703	0.20764
0.70	0.15953	0.17551	0.19151	0.20751	0.22353	0.23956	0.22709	0.21600	0.20605	0.19705	0.18886
0.72	0.16206	0.17829	0.19453	0.21078	0.22703	0.21484	0.20409	0.19454	0.18596	0.17820	0.17113
0.74	0.16455	0.18102	0.19750	0.21398	0.20207	0.19169	0.18255	0.17441	0.16711	0.16050	0.15446
0.76	0.16701	0.18371	0.20042	0.18880	0.17882	0.17012	0.16245	0.15563	0.14950	0.14394	0.13886
0.78	0.16945	0.18639	0.17508	0.16551	0.15728	0.15012	0.14381	0.13818	0.13312	0.12853	0.12433
0.80	0.17190	0.16091	0.15179	0.14408	0.13746	0.13169	0.12660	0.12206	0.11798	0.11426	0.11086
0.82	0.14633	0.13770	0.13055	0.12451	0.11933	0.11481	0.11083	0.10727	0.10406	0.10113	0.09844
0.84	0.12327	0.11674	0.11134	0.10679	0.10289	0.09948	0.09648	0.09379	0.09135	0.08912	0.08707
0.86	0.10270	0.09801	0.09414	0.09089	0.08810	0.08567	0.08352	0.08159	0.07983	0.07822	0.07672
0.88	0.08459	0.08147	0.07892	0.07678	0.07495	0.07335	0.07193	0.07065	0.06948	0.06839	0.06737
0.90	0.06889	0.06708	0.06562	0.06441	0.06338	0.06248	0.06167	0.06094	0.06025	0.05961	0.05899
0.92	0.05553	0.05477	0.05419	0.05372	0.05333	0.05299	0.05268	0.05239	0.05211	0.05182	0.05154
0.94	0.04441	0.04445	0.04454	0.04464	0.04474	0.04483	0.04491	0.04496	0.04499	0.04499	0.04497
0.96	0.03539	0.03599	0.03654	0.03704	0.03749	0.03790	0.03825	0.03856	0.03882	0.03904	0.03922
0.98	0.02827	0.02920	0.03003	0.03079	0.03147	0.03208	0.03262	0.03310	0.03353	0.03390	0.03422
1.00	0.02278	0.02385	0.02483	0.02572	0.02652	0.02725	0.02790	0.02849	0.02902	0.02949	0.02991

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(b) Continued. Half cone angle, 22.5.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.40	0.42	0.44	0.46	0.48	0.50	0.52	0.54	0.56	0.58	0.60
-0.20	-0.14122	-0.14527	-0.14896	-0.15229	-0.15525	-0.15786	-0.16010	-0.16198	-0.16351	-0.16469	-0.16551
-0.18	-0.16170	-0.16619	-0.17025	-0.17390	-0.17711	-0.17991	-0.18228	-0.18423	-0.18577	-0.18691	-0.18763
-0.16	-0.18563	-0.19059	-0.19506	-0.19903	-0.20251	-0.20550	-0.20799	-0.21000	-0.21153	-0.21259	-0.21318
-0.14	-0.21362	-0.21909	-0.22398	-0.22830	-0.23205	-0.23522	-0.23783	-0.23988	-0.24137	-0.24231	-0.24271
-0.12	-0.24641	-0.25242	-0.25775	-0.26242	-0.26643	-0.26978	-0.27248	-0.27453	-0.27595	-0.27673	-0.27690
-0.10	-0.28487	-0.29142	-0.29720	-0.30221	-0.30646	-0.30996	-0.31272	-0.31474	-0.31604	-0.31661	-0.31648
-0.08	-0.33001	-0.33708	-0.34326	-0.34857	-0.35303	-0.35664	-0.35941	-0.36135	-0.36248	-0.36279	-0.36230
-0.06	-0.38299	-0.39049	-0.39700	-0.40255	-0.40713	-0.41078	-0.41350	-0.41530	-0.41619	-0.41618	-0.41528
-0.04	-0.44509	-0.45289	-0.45960	-0.46525	-0.46985	-0.47343	-0.47600	-0.47757	-0.47816	-0.47776	-0.47638
-0.02	-0.51773	-0.52559	-0.53229	-0.53785	-0.54231	-0.54567	-0.54796	-0.54919	-0.54938	-0.54851	-0.54661
0.00	-0.60242	-0.61000	-0.61638	-0.62159	-0.62565	-0.62859	-0.63043	-0.63117	-0.63083	-0.62941	-0.62690
0.02	-0.50021	-0.50707	-0.51276	-0.51728	-0.52068	-0.52295	-0.52413	-0.52421	-0.52320	-0.52111	-0.51793
0.04	-0.41018	-0.41600	-0.42070	-0.42429	-0.42679	-0.42821	-0.42856	-0.42785	-0.42609	-0.42327	-0.41939
0.06	-0.33097	-0.33554	-0.33906	-0.34155	-0.34302	-0.34347	-0.34291	-0.34135	-0.33878	-0.33521	-0.33062
0.08	-0.26128	-0.26448	-0.26673	-0.26804	-0.26841	-0.26783	-0.26632	-0.26387	-0.26049	-0.25617	-0.25090
0.10	-0.19991	-0.20172	-0.20267	-0.20277	-0.20201	-0.20039	-0.19792	-0.19460	-0.19041	-0.18536	-0.17944
0.12	-0.14580	-0.14623	-0.14590	-0.14480	-0.14293	-0.14030	-0.13689	-0.13270	-0.12774	-0.12199	-0.11545
0.14	-0.09800	-0.09710	-0.09553	-0.09328	-0.09035	-0.08673	-0.08242	-0.07741	-0.07170	-0.06528	-0.05816
0.16	-0.05567	-0.05352	-0.05078	-0.04744	-0.04350	-0.03894	-0.03377	-0.02798	-0.02156	-0.01451	-0.00683
0.18	-0.01810	-0.01479	-0.01095	-0.00659	-0.00170	0.00374	0.00973	0.01627	0.02336	0.03101	0.03922
0.20	0.01533	0.01972	0.02457	0.02989	0.03567	0.04194	0.04869	0.05592	0.06365	0.07187	0.08059
0.22	0.04518	0.05055	0.05634	0.06254	0.06915	0.07619	0.08365	0.09154	0.09987	0.10863	0.11784
0.24	0.07184	0.07815	0.08481	0.09182	0.09921	0.10696	0.11509	0.12360	0.13250	0.14178	0.15145
0.26	0.09578	0.10293	0.11039	0.11817	0.12626	0.13468	0.14344	0.15253	0.16196	0.17173	0.18184
0.28	0.11733	0.12525	0.13345	0.14192	0.15068	0.15972	0.16906	0.17870	0.18863	0.19886	0.20940
0.30	0.13677	0.14541	0.15428	0.16341	0.17278	0.18240	0.19228	0.20243	0.21284	0.22352	0.23446
0.32	0.15437	0.16366	0.17317	0.18289	0.19283	0.20300	0.21339	0.22402	0.23488	0.24597	0.25731
0.34	0.17034	0.18025	0.19034	0.20061	0.21109	0.22176	0.23263	0.24371	0.25499	0.26649	0.27819
0.36	0.18490	0.19536	0.20599	0.21678	0.22775	0.23889	0.25022	0.26172	0.27341	0.28528	0.29734
0.38	0.19819	0.20918	0.22030	0.23158	0.24301	0.25460	0.26634	0.27824	0.29031	0.30255	0.31495
0.40	0.21037	0.22184	0.23344	0.24516	0.25703	0.26903	0.28117	0.29345	0.30588	0.31846	0.33118
0.42	0.22158	0.23349	0.24552	0.25767	0.26994	0.28233	0.29484	0.30749	0.32026	0.33316	0.31732
0.44	0.23191	0.24424	0.25668	0.26922	0.28187	0.29463	0.30750	0.32048	0.33358	0.31793	0.30321
0.46	0.24147	0.25420	0.26702	0.27993	0.29294	0.30604	0.31924	0.33255	0.31711	0.30261	0.28895
0.48	0.25034	0.26344	0.27662	0.28988	0.30323	0.31666	0.33018	0.31497	0.30069	0.28728	0.27464
0.50	0.25861	0.27206	0.28558	0.29917	0.31283	0.32658	0.31159	0.29757	0.28441	0.27204	0.26038
0.52	0.26634	0.28012	0.29396	0.30786	0.32183	0.30708	0.29331	0.28043	0.26834	0.25696	0.24623
0.54	0.27360	0.28768	0.30182	0.31602	0.30151	0.28801	0.27541	0.26361	0.25254	0.24211	0.23227
0.56	0.28042	0.29480	0.30923	0.29497	0.28174	0.26944	0.25795	0.24718	0.23707	0.22755	0.21856
0.58	0.28687	0.30153	0.28752	0.27457	0.26257	0.25140	0.24096	0.23118	0.22199	0.21332	0.20514
0.60	0.29299	0.27923	0.26657	0.25488	0.24404	0.23394	0.22451	0.21566	0.20733	0.19948	0.19206
0.62	0.27016	0.25780	0.24643	0.23593	0.22619	0.21711	0.20861	0.20064	0.19314	0.18606	0.17936
0.64	0.24830	0.23727	0.22713	0.21775	0.20904	0.20091	0.19331	0.18617	0.17945	0.17310	0.16708
0.66	0.22746	0.21768	0.20868	0.20035	0.19262	0.18540	0.17863	0.17228	0.16629	0.16062	0.15525
0.68	0.20764	0.19903	0.19111	0.18377	0.17695	0.17058	0.16460	0.15898	0.15367	0.14865	0.14388
0.70	0.18886	0.18135	0.17443	0.16802	0.16205	0.15647	0.15123	0.14630	0.14163	0.13721	0.13300
0.72	0.17113	0.16465	0.15866	0.15311	0.14794	0.14309	0.13854	0.13424	0.13017	0.12631	0.12263
0.74	0.15446	0.14893	0.14381	0.13906	0.13462	0.13046	0.12654	0.12283	0.11932	0.11597	0.11278
0.76	0.13886	0.13420	0.12988	0.12586	0.12210	0.11857	0.11523	0.11207	0.10907	0.10620	0.10346
0.78	0.12433	0.12046	0.11687	0.11352	0.11039	0.10743	0.10463	0.10197	0.09943	0.09701	0.09468
0.80	0.11086	0.10771	0.10479	0.10205	0.09948	0.09704	0.09473	0.09252	0.09041	0.08839	0.08643
0.82	0.09844	0.09595	0.09362	0.09143	0.08936	0.08740	0.08553	0.08373	0.08201	0.08034	0.07873
0.84	0.08707	0.08515	0.08335	0.08165	0.08004	0.07850	0.07702	0.07559	0.07421	0.07286	0.07156
0.86	0.07672	0.07531	0.07398	0.07271	0.07149	0.07032	0.06918	0.06808	0.06700	0.06595	0.06492
0.88	0.06737	0.06640	0.06547	0.06457	0.06370	0.06285	0.06202	0.06120	0.06039	0.05959	0.05879
0.90	0.05899	0.05839	0.05780	0.05722	0.05664	0.05607	0.05549	0.05492	0.05434	0.05375	0.05317
0.92	0.05154	0.05124	0.05094	0.05062	0.05029	0.04995	0.04959	0.04922	0.04883	0.04844	0.04803
0.94	0.04497	0.04491	0.04484	0.04473	0.04460	0.04445	0.04427	0.04407	0.04385	0.04361	0.04335
0.96	0.03922	0.03935	0.03945	0.03952	0.03955	0.03954	0.03951	0.03945	0.03936	0.03925	0.03911
0.98	0.03422	0.03450	0.03473	0.03492	0.03507	0.03519	0.03527	0.03532	0.03533	0.03532	0.03529
1.00	0.02991	0.03028	0.03061	0.03089	0.03113	0.03133	0.03150	0.03163	0.03173	0.03180	0.03185

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(b) Continued. Half cone angle, 22.5.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.60	0.62	0.64	0.66	0.68	0.70	0.72	0.74	0.76	0.78	0.80
-0.20	-0.16551	-0.16600	-0.16616	-0.16599	-0.16551	-0.16472	-0.16364	-0.16228	-0.16065	-0.15878	-0.15666
-0.18	-0.18763	-0.18797	-0.18791	-0.18748	-0.18669	-0.18554	-0.18405	-0.18223	-0.18011	-0.17769	-0.17500
-0.16	-0.21318	-0.21331	-0.21299	-0.21223	-0.21105	-0.20945	-0.20746	-0.20509	-0.20235	-0.19928	-0.19588
-0.14	-0.24271	-0.24258	-0.24193	-0.24077	-0.23912	-0.23698	-0.23438	-0.23134	-0.22786	-0.22399	-0.21973
-0.12	-0.27690	-0.27645	-0.27539	-0.27375	-0.27153	-0.26875	-0.26543	-0.26158	-0.25722	-0.25238	-0.24709
-0.10	-0.31648	-0.31564	-0.31412	-0.31191	-0.30904	-0.30550	-0.30133	-0.29653	-0.29113	-0.28516	-0.27862
-0.08	-0.36230	-0.36102	-0.35895	-0.35610	-0.35248	-0.34809	-0.34296	-0.33709	-0.33050	-0.32320	-0.31522
-0.06	-0.41528	-0.41349	-0.41081	-0.40726	-0.40283	-0.39752	-0.39134	-0.38430	-0.37639	-0.36762	-0.35800
-0.04	-0.47638	-0.47403	-0.47071	-0.46642	-0.46114	-0.45488	-0.44763	-0.43937	-0.43009	-0.41979	-0.40843
-0.02	-0.54661	-0.54366	-0.53966	-0.53462	-0.52851	-0.52132	-0.51303	-0.50361	-0.49304	-0.48127	-0.46826
0.00	-0.62690	-0.62332	-0.61864	-0.61286	-0.60596	-0.59792	-0.58871	-0.57829	-0.56662	-0.55364	-0.53928
0.02	-0.51793	-0.51367	-0.50830	-0.50182	-0.49421	-0.48544	-0.47548	-0.46428	-0.45182	-0.43801	-0.42280
0.04	-0.41939	-0.41444	-0.40842	-0.40131	-0.39308	-0.38373	-0.37322	-0.36152	-0.34859	-0.33438	-0.31883
0.06	-0.33062	-0.32502	-0.31839	-0.31073	-0.30202	-0.29224	-0.28137	-0.26939	-0.25627	-0.24198	-0.22649
0.08	-0.25090	-0.24468	-0.23752	-0.22938	-0.22028	-0.21019	-0.19910	-0.18700	-0.17388	-0.15972	-0.14451
0.10	-0.17944	-0.17266	-0.16499	-0.15645	-0.14702	-0.13671	-0.12549	-0.11337	-0.10035	-0.08641	-0.07156
0.12	-0.11545	-0.10813	-0.10002	-0.09111	-0.08140	-0.07090	-0.05960	-0.04749	-0.03459	-0.02090	-0.00642
0.14	-0.05816	-0.05033	-0.04179	-0.03254	-0.02258	-0.01191	-0.00053	0.01155	0.02433	0.03781	0.05198
0.16	-0.00683	0.00148	0.01043	0.02000	0.03021	0.04104	0.05251	0.06459	0.07729	0.09060	0.10450
0.18	0.03922	0.04799	0.05732	0.06722	0.07767	0.08868	0.10025	0.11236	0.12501	0.13820	0.15191
0.20	0.08059	0.08981	0.09952	0.10973	0.12044	0.13164	0.14332	0.15549	0.16814	0.18126	0.19484
0.22	0.11784	0.12748	0.13757	0.14809	0.15906	0.17046	0.18229	0.19455	0.20723	0.22032	0.20485
0.24	0.15145	0.16150	0.17195	0.18279	0.19402	0.20563	0.21762	0.23000	0.24274	0.22689	0.21200
0.26	0.18186	0.19230	0.20310	0.21425	0.22575	0.23758	0.24975	0.26226	0.24614	0.23097	0.21670
0.28	0.20940	0.22025	0.23140	0.24286	0.25462	0.26668	0.27905	0.26276	0.24740	0.23293	0.21927
0.30	0.23446	0.24568	0.25717	0.26893	0.28096	0.29326	0.27688	0.26143	0.24683	0.23305	0.22004
0.32	0.25731	0.26888	0.28070	0.29276	0.30505	0.28866	0.27317	0.25854	0.24471	0.23162	0.21924
0.34	0.27819	0.29011	0.30225	0.31460	0.29824	0.28278	0.26817	0.25434	0.24126	0.22886	0.21712
0.36	0.29734	0.30959	0.32204	0.30576	0.29038	0.27584	0.26208	0.24905	0.23669	0.22498	0.21387
0.38	0.31495	0.32752	0.31136	0.29610	0.28167	0.26802	0.25509	0.24283	0.23120	0.22016	0.20968
0.40	0.33118	0.31517	0.30007	0.28579	0.27229	0.25950	0.24737	0.23586	0.22494	0.21456	0.20468
0.42	0.31732	0.30240	0.28830	0.27498	0.26236	0.25041	0.23906	0.22829	0.21805	0.20831	0.19903
0.44	0.30321	0.28932	0.27620	0.26379	0.25204	0.24088	0.23029	0.22023	0.21065	0.20154	0.19285
0.46	0.28895	0.27606	0.26388	0.25235	0.24141	0.23104	0.22118	0.21180	0.20287	0.19435	0.18624
0.48	0.27464	0.26271	0.25143	0.24074	0.23060	0.22097	0.21181	0.20309	0.19478	0.18686	0.17930
0.50	0.26038	0.24936	0.23894	0.22906	0.21968	0.21077	0.20229	0.19420	0.18649	0.17913	0.17210
0.52	0.24623	0.23609	0.22649	0.21739	0.20874	0.20051	0.19268	0.18520	0.17807	0.17126	0.16474
0.54	0.23227	0.22297	0.21415	0.20579	0.19784	0.19027	0.18305	0.17616	0.16958	0.16329	0.15727
0.56	0.21856	0.21005	0.20198	0.19432	0.18704	0.18009	0.17347	0.16714	0.16109	0.15530	0.14975
0.58	0.20514	0.19739	0.19003	0.18304	0.17639	0.17004	0.16398	0.15819	0.15265	0.14734	0.14224
0.60	0.19206	0.18503	0.17835	0.17200	0.16594	0.16017	0.15465	0.14936	0.14430	0.13944	0.13478
0.62	0.17936	0.17301	0.16697	0.16123	0.15574	0.15050	0.14549	0.14069	0.13608	0.13166	0.12741
0.64	0.16708	0.16137	0.15594	0.15076	0.14582	0.14109	0.13656	0.13221	0.12804	0.12403	0.12017
0.66	0.15525	0.15014	0.14528	0.14064	0.13620	0.13195	0.12788	0.12397	0.12020	0.11658	0.11309
0.68	0.14388	0.13934	0.13501	0.13088	0.12692	0.12312	0.11948	0.11597	0.11259	0.10934	0.10620
0.70	0.13300	0.12899	0.12517	0.12151	0.11799	0.11462	0.11138	0.10825	0.10524	0.10233	0.09951
0.72	0.12263	0.11912	0.11576	0.11254	0.10944	0.10647	0.10360	0.10083	0.09815	0.09556	0.09306
0.74	0.11278	0.10973	0.10680	0.10399	0.10128	0.09867	0.09615	0.09372	0.09136	0.08907	0.08685
0.76	0.10346	0.10083	0.09831	0.09587	0.09352	0.09126	0.08906	0.08693	0.08486	0.08285	0.08090
0.78	0.09468	0.09244	0.09028	0.08820	0.08618	0.08422	0.08232	0.08047	0.07868	0.07693	0.07522
0.80	0.08643	0.08455	0.08273	0.08096	0.07924	0.07757	0.07595	0.07436	0.07281	0.07130	0.06982
0.82	0.07873	0.07717	0.07565	0.07417	0.07273	0.07132	0.06994	0.06859	0.06727	0.06597	0.06470
0.84	0.07156	0.07029	0.06904	0.06782	0.06663	0.06545	0.06430	0.06317	0.06205	0.06095	0.05987
0.86	0.06492	0.06390	0.06290	0.06191	0.06094	0.05998	0.05903	0.05809	0.05715	0.05623	0.05532
0.88	0.05879	0.05800	0.05722	0.05644	0.05566	0.05488	0.05411	0.05334	0.05258	0.05181	0.05105
0.90	0.05317	0.05257	0.05198	0.05138	0.05077	0.05016	0.04955	0.04893	0.04831	0.04769	0.04707
0.92	0.04803	0.04760	0.04717	0.04673	0.04627	0.04580	0.04533	0.04485	0.04436	0.04386	0.04336
0.94	0.04335	0.04307	0.04278	0.04246	0.04214	0.04179	0.04144	0.04107	0.04070	0.04031	0.03991
0.96	0.03911	0.03895	0.03877	0.03857	0.03835	0.03812	0.03787	0.03760	0.03732	0.03702	0.03672
0.98	0.03529	0.03523	0.03514	0.03503	0.03491	0.03476	0.03459	0.03441	0.03421	0.03400	0.03377
1.00	0.03185	0.03186	0.03186	0.03182	0.03177	0.03170	0.03160	0.03149	0.03136	0.03122	0.03106

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(b) Concluded. Half cone angle, 22.5.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.80	0.82	0.84	0.86	0.88	0.90	0.92	0.94	0.96	0.98	1.00
-0.20	-0.15666	-0.15433	-0.15179	-0.14907	-0.14617	-0.14313	-0.13997	-0.13668	-0.13331	-0.12987	-0.12636
-0.18	-0.17500	-0.17206	-0.16888	-0.16549	-0.16191	-0.15816	-0.15427	-0.15026	-0.14616	-0.14198	-0.13776
-0.16	-0.19588	-0.19219	-0.18823	-0.18402	-0.17959	-0.17497	-0.17020	-0.16530	-0.16030	-0.15523	-0.15013
-0.14	-0.21973	-0.21513	-0.21020	-0.20499	-0.19952	-0.19383	-0.18796	-0.18196	-0.17585	-0.16968	-0.16349
-0.12	-0.24709	-0.24137	-0.23527	-0.22882	-0.22206	-0.21505	-0.20782	-0.20043	-0.19294	-0.18540	-0.17787
-0.10	-0.27862	-0.27157	-0.26404	-0.25608	-0.24772	-0.23904	-0.23010	-0.22097	-0.21173	-0.20245	-0.19321
-0.08	-0.31522	-0.30659	-0.29734	-0.28752	-0.27719	-0.26643	-0.25530	-0.24392	-0.23240	-0.22084	-0.20938
-0.06	-0.35800	-0.34756	-0.33630	-0.32427	-0.31152	-0.29813	-0.28419	-0.26983	-0.25524	-0.24059	-0.22611
-0.04	-0.40843	-0.39603	-0.38255	-0.36800	-0.35240	-0.33577	-0.31819	-0.29981	-0.28086	-0.26170	-0.24277
-0.02	-0.46826	-0.45395	-0.43829	-0.42119	-0.40257	-0.38233	-0.36038	-0.33666	-0.31123	-0.28454	-0.25773
0.00	-0.53928	-0.52346	-0.50607	-0.48696	-0.46594	-0.44277	-0.41708	-0.38831	-0.35550	-0.31663	-0.26205
0.02	-0.42280	-0.40610	-0.38778	-0.36773	-0.34575	-0.32164	-0.29510	-0.26578	-0.23326	-0.19725	-0.18704
0.04	-0.31883	-0.30189	-0.28347	-0.26350	-0.24189	-0.21854	-0.19337	-0.16632	-0.13740	-0.13578	-0.13224
0.06	-0.22649	-0.20977	-0.19178	-0.17249	-0.15187	-0.12991	-0.10662	-0.08203	-0.08525	-0.08687	-0.08709
0.08	-0.14451	-0.12824	-0.11090	-0.09248	-0.07300	-0.05247	-0.03092	-0.03743	-0.04253	-0.04635	-0.04903
0.10	-0.07156	-0.05581	-0.03915	-0.02160	-0.00317	0.01610	0.00716	-0.00049	-0.00694	-0.01230	-0.01666
0.12	-0.00642	0.00885	0.02488	0.04166	0.05918	0.04839	0.03879	0.03033	0.02291	0.01647	0.01092
0.14	0.05198	0.06681	0.08231	0.09845	0.08621	0.07510	0.06508	0.05605	0.04798	0.04078	0.03439
0.16	0.10450	0.11899	0.13406	0.12068	0.10839	0.09713	0.08685	0.07748	0.06896	0.06125	0.05429
0.18	0.15191	0.16614	0.15187	0.13865	0.12643	0.11515	0.10476	0.09520	0.08643	0.07840	0.07105
0.20	0.19484	0.17989	0.16595	0.15298	0.14092	0.12973	0.11935	0.10973	0.10084	0.09263	0.08506
0.22	0.20485	0.19037	0.17682	0.16417	0.15235	0.14132	0.13105	0.12148	0.11258	0.10431	0.09663
0.24	0.21200	0.19803	0.18492	0.17263	0.16112	0.15033	0.14024	0.13080	0.12197	0.11373	0.10604
0.26	0.21670	0.20326	0.19063	0.17875	0.16758	0.15709	0.14724	0.13799	0.12931	0.12117	0.11355
0.28	0.21927	0.20640	0.19427	0.18283	0.17205	0.16189	0.15233	0.14332	0.13484	0.12687	0.11936
0.30	0.22004	0.20774	0.19612	0.18515	0.17479	0.16500	0.15576	0.14703	0.13880	0.13102	0.12369
0.32	0.21924	0.20753	0.19644	0.18595	0.17603	0.16663	0.15774	0.14932	0.14136	0.13383	0.12671
0.34	0.21712	0.20599	0.19545	0.18545	0.17597	0.16698	0.15846	0.15038	0.14272	0.13545	0.12857
0.36	0.21387	0.20333	0.19332	0.18382	0.17480	0.16623	0.15809	0.15036	0.14302	0.13604	0.12942
0.38	0.20968	0.19971	0.19024	0.18124	0.17268	0.16454	0.15679	0.14942	0.14240	0.13573	0.12938
0.40	0.20468	0.19529	0.18636	0.17785	0.16975	0.16203	0.15468	0.14768	0.14100	0.13464	0.12857
0.42	0.19903	0.19021	0.18180	0.17378	0.16613	0.15884	0.15189	0.14525	0.13892	0.13287	0.12710
0.44	0.19285	0.18457	0.17667	0.16914	0.16195	0.15508	0.14852	0.14225	0.13626	0.13053	0.12506
0.46	0.18624	0.17849	0.17110	0.16404	0.15729	0.15083	0.14466	0.13876	0.13311	0.12770	0.12253
0.48	0.17930	0.17207	0.16517	0.15856	0.15225	0.14620	0.14041	0.13487	0.12956	0.12447	0.11959
0.50	0.17210	0.16538	0.15895	0.15280	0.14690	0.14125	0.13584	0.13065	0.12567	0.12089	0.11631
0.52	0.16474	0.15850	0.15253	0.14681	0.14133	0.13606	0.13102	0.12617	0.12152	0.11705	0.11275
0.54	0.15727	0.15150	0.14597	0.14067	0.13558	0.13069	0.12600	0.12149	0.11715	0.11298	0.10897
0.56	0.14975	0.14443	0.13933	0.13443	0.12972	0.12520	0.12084	0.11666	0.11263	0.10875	0.10501
0.58	0.14224	0.13735	0.13266	0.12814	0.12380	0.11962	0.11560	0.11173	0.10800	0.10440	0.10093
0.60	0.13478	0.13030	0.12600	0.12185	0.11786	0.11402	0.11031	0.10674	0.10330	0.09997	0.09676
0.62	0.12741	0.12333	0.11939	0.11560	0.11195	0.10842	0.10502	0.10174	0.09857	0.09550	0.09254
0.64	0.12017	0.11646	0.11288	0.10942	0.10609	0.10287	0.09976	0.09675	0.09384	0.09102	0.08830
0.66	0.11309	0.10973	0.10648	0.10335	0.10032	0.09738	0.09455	0.09180	0.08914	0.08657	0.08407
0.68	0.10620	0.10317	0.10024	0.09740	0.09466	0.09200	0.08943	0.08693	0.08451	0.08216	0.07988
0.70	0.09951	0.09679	0.09416	0.09161	0.08914	0.08674	0.08441	0.08215	0.07996	0.07782	0.07575
0.72	0.09306	0.09063	0.08828	0.08599	0.08378	0.08162	0.07952	0.07749	0.07550	0.07357	0.07170
0.74	0.08685	0.08470	0.08260	0.08057	0.07859	0.07666	0.07478	0.07295	0.07117	0.06943	0.06774
0.76	0.08090	0.07900	0.07715	0.07535	0.07359	0.07187	0.07020	0.06857	0.06697	0.06541	0.06389
0.78	0.07522	0.07356	0.07193	0.07034	0.06879	0.06727	0.06579	0.06434	0.06292	0.06152	0.06016
0.80	0.06982	0.06837	0.06695	0.06556	0.06420	0.06287	0.06156	0.06028	0.05902	0.05778	0.05657
0.82	0.06470	0.06345	0.06222	0.06102	0.05983	0.05866	0.05752	0.05639	0.05528	0.05419	0.05311
0.84	0.05987	0.05880	0.05774	0.05670	0.05568	0.05467	0.05367	0.05268	0.05171	0.05075	0.04981
0.86	0.05532	0.05441	0.05352	0.05263	0.05175	0.05088	0.05001	0.04916	0.04831	0.04748	0.04665
0.88	0.05105	0.05030	0.04954	0.04879	0.04804	0.04730	0.04656	0.04582	0.04509	0.04436	0.04364
0.90	0.04707	0.04644	0.04581	0.04518	0.04456	0.04393	0.04330	0.04267	0.04204	0.04142	0.04079
0.92	0.04336	0.04285	0.04233	0.04181	0.04129	0.04076	0.04023	0.03970	0.03917	0.03863	0.03810
0.94	0.03991	0.03950	0.03909	0.03866	0.03823	0.03780	0.03736	0.03691	0.03646	0.03601	0.03555
0.96	0.03672	0.03640	0.03607	0.03573	0.03539	0.03503	0.03467	0.03430	0.03393	0.03355	0.03316
0.98	0.03377	0.03353	0.03328	0.03301	0.03274	0.03245	0.03216	0.03186	0.03155	0.03124	0.03092
1.00	0.03106	0.03088	0.03069	0.03049	0.03028	0.03006	0.02983	0.02959	0.02933	0.02908	0.02881

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(c) Half cone angle, 30.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20
-0.20	0.	-0.01712	-0.03417	-0.05106	-0.06774	-0.08413	-0.10016	-0.11578	-0.13093	-0.14557	-0.15964
-0.18	0.	-0.01931	-0.03853	-0.05756	-0.07632	-0.09473	-0.11271	-0.13019	-0.14710	-0.16340	-0.17904
-0.16	0.	-0.02187	-0.04363	-0.06515	-0.08634	-0.10708	-0.12729	-0.14689	-0.16580	-0.18397	-0.20134
-0.14	0.	-0.02491	-0.04966	-0.07412	-0.09814	-0.12160	-0.14438	-0.16640	-0.18757	-0.20783	-0.22713
-0.12	0.	-0.02856	-0.05691	-0.08486	-0.11223	-0.13886	-0.16462	-0.18940	-0.21312	-0.23571	-0.25711
-0.10	0.	-0.03304	-0.06578	-0.09797	-0.12934	-0.15971	-0.18892	-0.21684	-0.24340	-0.26853	-0.29222
-0.08	0.	-0.03871	-0.07698	-0.11440	-0.15062	-0.18541	-0.21858	-0.25002	-0.27969	-0.30756	-0.33363
-0.06	0.	-0.04626	-0.09173	-0.13579	-0.17794	-0.21791	-0.25556	-0.29084	-0.32377	-0.35442	-0.38285
-0.04	0.	-0.05713	-0.11260	-0.16528	-0.21461	-0.26044	-0.30284	-0.34198	-0.37806	-0.41126	-0.44179
-0.02	0.	-0.07568	-0.14609	-0.20966	-0.26681	-0.31833	-0.36494	-0.40726	-0.44576	-0.48083	-0.51279
0.00	0.	-0.12650	-0.21296	-0.28431	-0.34581	-0.39998	-0.44828	-0.49169	-0.53089	-0.56639	-0.59858
0.02	0.	-0.07452	-0.14378	-0.20619	-0.26219	-0.31254	-0.35799	-0.39913	-0.43645	-0.47034	-0.50111
0.04	0.	-0.05482	-0.10799	-0.15836	-0.20537	-0.24888	-0.28895	-0.32575	-0.35948	-0.39032	-0.41846
0.06	0.	-0.04281	-0.08483	-0.12543	-0.16411	-0.20061	-0.23477	-0.26655	-0.29597	-0.32308	-0.34795
0.08	0.	-0.03413	-0.06781	-0.10063	-0.13225	-0.16242	-0.19096	-0.21775	-0.24275	-0.26591	-0.28725
0.10	0.	-0.02733	-0.05436	-0.08083	-0.10647	-0.13110	-0.15454	-0.17667	-0.19741	-0.21670	-0.23450
0.12	0.	-0.02174	-0.04327	-0.06439	-0.08492	-0.10469	-0.12357	-0.14144	-0.15822	-0.17383	-0.18822
0.14	0.	-0.01700	-0.03384	-0.05038	-0.06646	-0.08196	-0.09677	-0.11078	-0.12390	-0.13607	-0.14723
0.16	0.	-0.01289	-0.02567	-0.03820	-0.05037	-0.06208	-0.07324	-0.08374	-0.09352	-0.10252	-0.11066
0.18	0.	-0.00928	-0.01847	-0.02745	-0.03615	-0.04448	-0.05234	-0.05967	-0.06639	-0.07246	-0.07780
0.20	0.	-0.00607	-0.01205	-0.01788	-0.02346	-0.02873	-0.03362	-0.03806	-0.04198	-0.04534	-0.04808
0.22	0.	-0.00318	-0.00629	-0.00926	-0.01204	-0.01454	-0.01672	-0.01852	-0.01988	-0.02075	-0.02108
0.24	0.	-0.00056	-0.00107	-0.00146	-0.00168	-0.00167	-0.00138	-0.00075	0.00025	0.00167	0.00357
0.26	0.	0.00181	0.00368	0.00565	0.00776	0.01007	0.01263	0.01548	0.01865	0.02220	0.02616
0.28	0.	0.00399	0.00803	0.01215	0.01641	0.02083	0.02547	0.03037	0.03556	0.04107	0.04695
0.30	0.	0.00599	0.01202	0.01813	0.02436	0.03073	0.03730	0.04409	0.05113	0.05847	0.06613
0.32	0.	0.00784	0.01571	0.02365	0.03170	0.03987	0.04822	0.05676	0.06554	0.07457	0.08389
0.34	0.	0.00955	0.01913	0.02876	0.03849	0.04834	0.05834	0.06852	0.07890	0.08951	0.10038
0.36	0.	0.01113	0.02230	0.03351	0.04481	0.05621	0.06775	0.07945	0.09133	0.10341	0.11573
0.38	0.	0.01261	0.02525	0.03794	0.05069	0.06355	0.07652	0.08964	0.10292	0.11639	0.13006
0.40	0.	0.01399	0.02801	0.04207	0.05619	0.07040	0.08472	0.09917	0.11376	0.12852	0.14347
0.42	0.	0.01529	0.03059	0.04594	0.06135	0.07683	0.09241	0.10810	0.12393	0.13991	0.15605
0.44	0.	0.01650	0.03302	0.04958	0.06619	0.08286	0.09963	0.11650	0.13349	0.15061	0.16789
0.46	0.	0.01765	0.03531	0.05300	0.07075	0.08855	0.10643	0.12441	0.14250	0.16071	0.17905
0.48	0.	0.01873	0.03747	0.05624	0.07505	0.09393	0.11287	0.13189	0.15101	0.17025	0.18960
0.50	0.	0.01975	0.03952	0.05931	0.07914	0.09902	0.11896	0.13898	0.15908	0.17929	0.19961
0.52	0.	0.02072	0.04146	0.06222	0.08301	0.10385	0.12475	0.14571	0.16676	0.18789	0.20912
0.54	0.	0.02165	0.04331	0.06499	0.08671	0.10846	0.13027	0.15213	0.17407	0.19608	0.21819
0.56	0.	0.02254	0.04508	0.06765	0.09024	0.11287	0.13554	0.15827	0.18106	0.20392	0.22686
0.58	0.	0.02339	0.04678	0.07019	0.09362	0.11709	0.14060	0.16415	0.18776	0.21143	0.23518
0.60	0.	0.02420	0.04841	0.07263	0.09688	0.12115	0.14546	0.16981	0.19421	0.21866	0.24318
0.62	0.	0.02499	0.04999	0.07500	0.10002	0.12507	0.15016	0.17527	0.20043	0.22564	0.25090
0.64	0.	0.02575	0.05151	0.07728	0.10307	0.12887	0.15471	0.18057	0.20647	0.23241	0.25839
0.66	0.	0.02650	0.05300	0.07951	0.10603	0.13257	0.15913	0.18572	0.21234	0.23899	0.26567
0.68	0.	0.02722	0.05445	0.08168	0.10893	0.13619	0.16346	0.19075	0.21807	0.24541	0.27279
0.70	0.	0.02794	0.05588	0.08382	0.11177	0.13973	0.16770	0.19569	0.22369	0.25172	0.27976
0.72	0.	0.02864	0.05728	0.08593	0.11458	0.14323	0.17189	0.20056	0.22924	0.25793	0.28664
0.74	0.	0.02934	0.05868	0.08802	0.11736	0.14671	0.17605	0.20539	0.23474	0.26410	0.29345
0.76	0.	0.03004	0.06008	0.09011	0.12015	0.15017	0.18020	0.21022	0.24023	0.27024	0.30024
0.78	0.	0.03074	0.06148	0.09222	0.12295	0.15366	0.18437	0.21506	0.24574	0.27640	0.30705
0.80	0.	0.03146	0.06291	0.09436	0.12579	0.15720	0.18860	0.21997	0.25131	0.28263	0.31392
0.82	0.	0.03219	0.06438	0.09655	0.12870	0.16082	0.19292	0.22498	0.25700	0.28898	0.27277
0.84	0.	0.03295	0.06590	0.09882	0.13171	0.16457	0.19738	0.23015	0.26285	0.24756	0.23545
0.86	0.	0.03376	0.06750	0.10121	0.13488	0.16850	0.20206	0.23554	0.22127	0.21044	0.20190
0.88	0.	0.03462	0.06922	0.10378	0.13827	0.17269	0.20703	0.19390	0.18454	0.17752	0.17204
0.90	0.	0.03557	0.07111	0.10658	0.14197	0.17725	0.16548	0.15783	0.15255	0.14871	0.14577
0.92	0.	0.03665	0.07326	0.10976	0.14613	0.13601	0.13042	0.12715	0.12515	0.12385	0.12296
0.94	0.	0.03796	0.07582	0.11351	0.10555	0.10254	0.10162	0.10166	0.10213	0.10276	0.10343
0.96	0.	0.03966	0.07911	0.07426	0.07460	0.07644	0.07871	0.08102	0.08319	0.08518	0.08695
0.98	0.	0.04231	0.04279	0.04757	0.05251	0.05706	0.06113	0.06475	0.06795	0.07076	0.07323
1.00	0.	0.01447	0.02393	0.03152	0.03788	0.04334	0.04809	0.05224	0.05590	0.05912	0.06196

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(c) Continued. Half cone angle, 30.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.34	0.36	0.38	0.40
-0.20	-0.15964	-0.17312	-0.18597	-0.19816	-0.20966	-0.22047	-0.23056	-0.23992	-0.24855	-0.25643	-0.26356
-0.18	-0.17904	-0.19396	-0.20816	-0.22158	-0.23421	-0.24604	-0.25705	-0.26722	-0.27656	-0.28507	-0.29273
-0.16	-0.20134	-0.21787	-0.23354	-0.24830	-0.26215	-0.27507	-0.28705	-0.29809	-0.30818	-0.31732	-0.32552
-0.14	-0.22713	-0.24542	-0.26268	-0.27889	-0.29404	-0.30811	-0.32111	-0.33303	-0.34389	-0.35368	-0.36242
-0.12	-0.25711	-0.27731	-0.29629	-0.31402	-0.33052	-0.34578	-0.35982	-0.37264	-0.38425	-0.39468	-0.40393
-0.10	-0.29222	-0.31444	-0.33520	-0.35451	-0.37238	-0.38883	-0.40388	-0.41757	-0.42991	-0.44093	-0.45065
-0.08	-0.33363	-0.35792	-0.38048	-0.40133	-0.42053	-0.43811	-0.45411	-0.46859	-0.48157	-0.49310	-0.50321
-0.06	-0.38285	-0.40914	-0.43338	-0.45565	-0.47604	-0.49460	-0.51141	-0.52653	-0.54001	-0.55192	-0.56228
-0.04	-0.44179	-0.46979	-0.49543	-0.51884	-0.54013	-0.55941	-0.57678	-0.59232	-0.60609	-0.61818	-0.62862
-0.02	-0.51279	-0.54190	-0.56839	-0.59243	-0.61418	-0.63378	-0.65133	-0.66695	-0.68072	-0.69271	-0.70298
0.00	-0.59858	-0.62777	-0.65422	-0.67812	-0.69967	-0.71900	-0.73623	-0.75148	-0.76483	-0.77637	-0.78616
0.02	-0.50111	-0.52902	-0.55430	-0.57712	-0.59763	-0.61598	-0.63228	-0.64662	-0.65909	-0.66976	-0.67870
0.04	-0.41846	-0.44407	-0.46729	-0.48826	-0.50709	-0.52388	-0.53873	-0.55172	-0.56291	-0.57237	-0.58015
0.06	-0.34795	-0.37065	-0.39128	-0.40991	-0.42661	-0.44145	-0.45449	-0.46580	-0.47543	-0.48341	-0.48980
0.08	-0.28725	-0.30679	-0.32454	-0.34055	-0.35486	-0.36750	-0.37851	-0.38793	-0.39579	-0.40213	-0.40696
0.10	-0.23450	-0.25080	-0.26560	-0.27888	-0.29068	-0.30099	-0.30984	-0.31725	-0.32323	-0.32780	-0.33099
0.12	-0.18822	-0.20135	-0.21321	-0.22377	-0.23302	-0.24097	-0.24762	-0.25296	-0.25701	-0.25977	-0.26125
0.14	-0.14723	-0.15734	-0.16636	-0.17426	-0.18102	-0.18663	-0.19108	-0.19436	-0.19648	-0.19741	-0.19717
0.16	-0.11066	-0.11791	-0.12423	-0.12958	-0.13393	-0.13727	-0.13957	-0.14083	-0.14103	-0.14017	-0.13823
0.18	-0.07780	-0.08237	-0.08614	-0.08906	-0.09112	-0.09227	-0.09251	-0.09181	-0.09015	-0.08753	-0.08393
0.20	-0.04808	-0.05017	-0.05154	-0.05219	-0.05206	-0.05114	-0.04939	-0.04681	-0.04337	-0.03905	-0.03384
0.22	-0.02108	-0.02084	-0.01999	-0.01849	-0.01630	-0.01341	-0.00979	-0.00541	-0.00026	0.00569	0.01244
0.24	0.00357	0.00596	0.00890	0.01242	0.01653	0.02128	0.02669	0.03277	0.03955	0.04705	0.05528
0.26	0.02616	0.03057	0.03545	0.04084	0.04677	0.05327	0.06036	0.06805	0.07638	0.08535	0.09500
0.28	0.04695	0.05322	0.05992	0.06707	0.07470	0.08284	0.09151	0.10073	0.11052	0.12090	0.13188
0.30	0.06613	0.07414	0.08254	0.09133	0.10057	0.11025	0.12041	0.13107	0.14225	0.15395	0.16621
0.32	0.08389	0.09353	0.10350	0.11384	0.12457	0.13571	0.14728	0.15930	0.17178	0.18475	0.19821
0.34	0.10038	0.11153	0.12299	0.13478	0.14691	0.15942	0.17231	0.18561	0.19933	0.21349	0.22810
0.36	0.11573	0.12831	0.14115	0.15429	0.16775	0.18154	0.19569	0.21020	0.22509	0.24038	0.25608
0.38	0.13006	0.14397	0.15812	0.17254	0.18724	0.20224	0.21756	0.23322	0.24922	0.26558	0.28232
0.40	0.14347	0.15863	0.17401	0.18963	0.20550	0.22165	0.23809	0.25483	0.27188	0.28926	0.30698
0.42	0.15605	0.17239	0.18892	0.20568	0.22266	0.23989	0.25738	0.27515	0.29320	0.31155	0.33021
0.44	0.16789	0.18533	0.20296	0.22079	0.23882	0.25708	0.27557	0.29431	0.31331	0.33258	0.35213
0.46	0.17905	0.19755	0.21621	0.23505	0.25408	0.27331	0.29275	0.31242	0.33232	0.35247	0.37287
0.48	0.18960	0.20910	0.22874	0.24854	0.26851	0.28867	0.30902	0.32957	0.35034	0.37132	0.39254
0.50	0.19961	0.22005	0.24062	0.26134	0.28222	0.30325	0.32447	0.34586	0.36745	0.38924	0.41124
0.52	0.20912	0.23046	0.25193	0.27352	0.29525	0.31713	0.33917	0.36137	0.38375	0.40631	0.42906
0.54	0.21819	0.24039	0.26271	0.28513	0.30769	0.33038	0.35320	0.37618	0.39931	0.42261	0.44608
0.56	0.22686	0.24989	0.27301	0.29624	0.31959	0.34305	0.36664	0.39036	0.41422	0.43822	0.46238
0.58	0.23518	0.25900	0.28291	0.30691	0.33100	0.35521	0.37953	0.40396	0.42853	0.45322	0.47805
0.60	0.24318	0.26776	0.29242	0.31717	0.34199	0.36692	0.39194	0.41707	0.44231	0.46766	0.49314
0.62	0.25090	0.27623	0.30161	0.32707	0.35261	0.37822	0.40393	0.42973	0.45562	0.48161	0.45865
0.64	0.25839	0.28443	0.31052	0.33667	0.36289	0.38918	0.41555	0.44199	0.46852	0.44612	0.42556
0.66	0.26567	0.29240	0.31918	0.34601	0.37289	0.39984	0.42684	0.45392	0.43210	0.41220	0.39391
0.68	0.27279	0.30019	0.32764	0.35513	0.38266	0.41024	0.43787	0.41665	0.39743	0.37987	0.36371
0.70	0.27976	0.30783	0.33593	0.36406	0.39223	0.42043	0.39984	0.38133	0.36453	0.34915	0.33499
0.72	0.28664	0.31536	0.34410	0.37286	0.40165	0.38170	0.36394	0.34794	0.33340	0.32007	0.30776
0.74	0.29345	0.32282	0.35219	0.38157	0.36230	0.34532	0.33017	0.31651	0.30406	0.29262	0.28202
0.76	0.30024	0.33024	0.36024	0.34167	0.32552	0.31127	0.29854	0.28702	0.27650	0.26680	0.25779
0.78	0.30705	0.33768	0.31985	0.30459	0.29130	0.27956	0.26902	0.25947	0.25072	0.24261	0.23506
0.80	0.31392	0.29687	0.28257	0.27032	0.25963	0.25015	0.24162	0.23385	0.22670	0.22005	0.21381
0.82	0.27277	0.25951	0.24838	0.23883	0.23047	0.22302	0.21630	0.21014	0.20443	0.19908	0.19404
0.84	0.23545	0.22554	0.21723	0.21007	0.20378	0.19815	0.19303	0.18829	0.18387	0.17970	0.17572
0.86	0.20190	0.19493	0.18907	0.18400	0.17953	0.17548	0.17176	0.16829	0.16500	0.16186	0.15882
0.88	0.17204	0.16758	0.16382	0.16056	0.15764	0.15496	0.15245	0.15007	0.14776	0.14551	0.14330
0.90	0.14577	0.14341	0.14141	0.13965	0.13804	0.13651	0.13503	0.13357	0.13211	0.13063	0.12912
0.92	0.12296	0.12228	0.12171	0.12117	0.12063	0.12005	0.11942	0.11872	0.11796	0.11713	0.11622
0.94	0.10343	0.10405	0.10457	0.10499	0.10529	0.10547	0.10552	0.10544	0.10525	0.10495	0.10454
0.96	0.08695	0.08850	0.08983	0.09096	0.09189	0.09264	0.09322	0.09363	0.09390	0.09402	0.09402
0.98	0.07323	0.07539	0.07727	0.07889	0.08027	0.08143	0.08240	0.08318	0.08379	0.08425	0.08457
1.00	0.06196	0.06446	0.06665	0.06857	0.07025	0.07169	0.07293	0.07397	0.07484	0.07555	0.07611

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_\rho/\mu_0 JL$, FOR FIELD POINT INCREMENTS OF 0.02

(c) Continued. Half cone angle, 30.0.

Dimensionless axial position, γ_1	Dimensionless radius, ρ										
	0.40	0.42	0.44	0.46	0.48	0.50	0.52	0.54	0.56	0.58	0.60
-0.20	-0.26356	-0.26995	-0.27559	-0.28049	-0.28464	-0.28807	-0.29076	-0.29274	-0.29401	-0.29459	-0.29449
-0.18	-0.29273	-0.29955	-0.30554	-0.31070	-0.31503	-0.31855	-0.32127	-0.32318	-0.32432	-0.32468	-0.32428
-0.16	-0.32552	-0.33279	-0.33912	-0.34453	-0.34903	-0.35262	-0.35532	-0.35714	-0.35810	-0.35820	-0.35746
-0.14	-0.36242	-0.37011	-0.37677	-0.38241	-0.38705	-0.39068	-0.39334	-0.39502	-0.39575	-0.39555	-0.39441
-0.12	-0.40393	-0.41203	-0.41899	-0.42483	-0.42955	-0.43319	-0.43575	-0.43726	-0.43772	-0.43715	-0.43557
-0.10	-0.45065	-0.45910	-0.46631	-0.47228	-0.47705	-0.48064	-0.48305	-0.48432	-0.48445	-0.48346	-0.48137
-0.08	-0.50321	-0.51193	-0.51930	-0.52534	-0.53008	-0.53353	-0.53574	-0.53670	-0.53644	-0.53497	-0.53232
-0.06	-0.56228	-0.57116	-0.57858	-0.58458	-0.58918	-0.59243	-0.59433	-0.59491	-0.59419	-0.59219	-0.58890
-0.04	-0.62862	-0.63748	-0.64480	-0.65061	-0.65497	-0.65788	-0.65938	-0.65949	-0.65823	-0.65561	-0.65164
-0.02	-0.70298	-0.71160	-0.71862	-0.72408	-0.72801	-0.73046	-0.73143	-0.73097	-0.72907	-0.72576	-0.72104
0.00	-0.78616	-0.79426	-0.80073	-0.80561	-0.80893	-0.81073	-0.81103	-0.80986	-0.80722	-0.80313	-0.79760
0.02	-0.67870	-0.68596	-0.69160	-0.69564	-0.69813	-0.69910	-0.69856	-0.69654	-0.69305	-0.68809	-0.68167
0.04	-0.58015	-0.58630	-0.59085	-0.59385	-0.59533	-0.59530	-0.59379	-0.59081	-0.58636	-0.58047	-0.57311
0.06	-0.48980	-0.49463	-0.49792	-0.49972	-0.50004	-0.49890	-0.49631	-0.49229	-0.48684	-0.47997	-0.47166
0.08	-0.40696	-0.41033	-0.41224	-0.41272	-0.41179	-0.40945	-0.40573	-0.40062	-0.39412	-0.38625	-0.37699
0.10	-0.33099	-0.33279	-0.33324	-0.33233	-0.33009	-0.32651	-0.32161	-0.31538	-0.30783	-0.29895	-0.28875
0.12	-0.26125	-0.26145	-0.26039	-0.25806	-0.25447	-0.24963	-0.24353	-0.23618	-0.22757	-0.21770	-0.20657
0.14	-0.19717	-0.19576	-0.19317	-0.18941	-0.18447	-0.17836	-0.17107	-0.16260	-0.15294	-0.14210	-0.13007
0.16	-0.13823	-0.13522	-0.13112	-0.12593	-0.11966	-0.11229	-0.10382	-0.09425	-0.08357	-0.07177	-0.05887
0.18	-0.08393	-0.07935	-0.07377	-0.06719	-0.05960	-0.05100	-0.04138	-0.03073	-0.01905	-0.00633	0.00742
0.20	-0.03384	-0.02774	-0.02072	-0.01278	-0.00392	0.00589	0.01663	0.02833	0.04098	0.05459	0.06917
0.22	0.01244	0.02001	0.02842	0.03767	0.04777	0.05873	0.07057	0.08328	0.09687	0.11136	0.12673
0.24	0.05528	0.06426	0.07399	0.08450	0.09580	0.10788	0.12077	0.13446	0.14897	0.16429	0.18044
0.26	0.09500	0.10532	0.11633	0.12805	0.14049	0.15365	0.16755	0.18219	0.19757	0.21371	0.23061
0.28	0.13188	0.14349	0.15572	0.16860	0.18213	0.19633	0.21120	0.22675	0.24298	0.25991	0.27754
0.30	0.16621	0.17903	0.19242	0.20641	0.22099	0.23618	0.25198	0.26841	0.28547	0.30316	0.32150
0.32	0.19821	0.21219	0.22669	0.24173	0.25731	0.27345	0.29016	0.30743	0.32528	0.34371	0.36273
0.34	0.22810	0.24318	0.25874	0.27478	0.29133	0.30838	0.32594	0.34403	0.36265	0.38180	0.40148
0.36	0.25608	0.27221	0.28877	0.30577	0.32324	0.34116	0.35955	0.37843	0.39778	0.41762	0.43796
0.38	0.28232	0.29944	0.31696	0.33489	0.35322	0.37199	0.39118	0.41080	0.43087	0.45139	0.47235
0.40	0.30698	0.32505	0.34348	0.36229	0.38146	0.40103	0.42099	0.44134	0.46210	0.48326	0.50484
0.42	0.33021	0.34918	0.36849	0.38813	0.40811	0.42845	0.44914	0.47020	0.49162	0.51342	0.48622
0.44	0.35213	0.37197	0.39211	0.41255	0.43331	0.45439	0.47579	0.49753	0.51960	0.49265	0.46725
0.46	0.37287	0.39354	0.41447	0.43569	0.45719	0.47898	0.50107	0.52346	0.49682	0.47173	0.44806
0.48	0.39254	0.41400	0.43570	0.45765	0.47987	0.50235	0.52510	0.49881	0.47409	0.45078	0.42876
0.50	0.41124	0.43345	0.45589	0.47856	0.50146	0.52460	0.49871	0.47438	0.45149	0.42988	0.40946
0.52	0.42906	0.45200	0.47514	0.49849	0.52206	0.49659	0.47271	0.45027	0.42912	0.40914	0.39025
0.54	0.44608	0.46972	0.49355	0.51756	0.49254	0.46914	0.44719	0.42654	0.40706	0.38865	0.37121
0.56	0.46238	0.48670	0.51118	0.48665	0.46376	0.44234	0.42222	0.40328	0.38539	0.36847	0.35242
0.58	0.47805	0.50302	0.47898	0.45664	0.43578	0.41623	0.39786	0.38054	0.36417	0.34867	0.33395
0.60	0.49314	0.46963	0.44785	0.42759	0.40865	0.39089	0.37417	0.35840	0.34347	0.32931	0.31585
0.62	0.45865	0.43747	0.41783	0.39954	0.38242	0.36635	0.35120	0.33689	0.32332	0.31044	0.29819
0.64	0.42556	0.40658	0.38897	0.37253	0.35713	0.34266	0.32899	0.31606	0.30379	0.29212	0.28099
0.66	0.39391	0.37700	0.36128	0.34660	0.33283	0.31985	0.30758	0.29596	0.28490	0.27437	0.26432
0.68	0.36371	0.34875	0.33482	0.32178	0.30952	0.29796	0.28701	0.27661	0.26670	0.25724	0.24820
0.70	0.33499	0.32185	0.30958	0.29809	0.28726	0.27701	0.26729	0.25804	0.24921	0.24076	0.23266
0.72	0.30776	0.29631	0.28560	0.27554	0.26604	0.25703	0.24845	0.24027	0.23244	0.22494	0.21772
0.74	0.28202	0.27215	0.26288	0.25415	0.24588	0.23802	0.23051	0.22333	0.21643	0.20980	0.20341
0.76	0.25779	0.24936	0.24143	0.23393	0.22680	0.21999	0.21347	0.20721	0.20119	0.19537	0.18975
0.78	0.23506	0.22796	0.22125	0.21487	0.20879	0.20296	0.19735	0.19194	0.18671	0.18165	0.17673
0.80	0.21381	0.20792	0.20233	0.19698	0.19185	0.18691	0.18214	0.17751	0.17301	0.16864	0.16438
0.82	0.19404	0.18925	0.18466	0.18025	0.17598	0.17185	0.16783	0.16392	0.16009	0.15635	0.15268
0.84	0.17572	0.17190	0.16822	0.16465	0.16116	0.15776	0.15443	0.15115	0.14794	0.14477	0.14164
0.86	0.15882	0.15587	0.15299	0.15016	0.14738	0.14463	0.14191	0.13921	0.13654	0.13389	0.13126
0.88	0.14330	0.14111	0.13894	0.13677	0.13460	0.13243	0.13025	0.12807	0.12589	0.12370	0.12151
0.90	0.12912	0.12759	0.12603	0.12443	0.12280	0.12113	0.11944	0.11772	0.11597	0.11419	0.11240
0.92	0.11622	0.11525	0.11421	0.11310	0.11194	0.11072	0.10944	0.10812	0.10675	0.10534	0.10389
0.94	0.10454	0.10404	0.10344	0.10275	0.10198	0.10114	0.10022	0.09925	0.09821	0.09712	0.09598
0.96	0.09402	0.09389	0.09366	0.09332	0.09288	0.09236	0.09175	0.09107	0.09032	0.08951	0.08864
0.98	0.08457	0.08475	0.08481	0.08475	0.08459	0.08434	0.08399	0.08356	0.08305	0.08248	0.08184
1.00	0.07611	0.07653	0.07682	0.07700	0.07706	0.07702	0.07689	0.07667	0.07637	0.07600	0.07556

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(c) Continued. Half cone angle, 30.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.60	0.62	0.64	0.66	0.68	0.70	0.72	0.74	0.76	0.78	0.80
-0.20	-0.29449	-0.29372	-0.29230	-0.29025	-0.28759	-0.28434	-0.28052	-0.27617	-0.27132	-0.26598	-0.26021
-0.18	-0.32428	-0.32315	-0.32129	-0.31873	-0.31548	-0.31157	-0.30704	-0.30189	-0.29618	-0.28992	-0.28317
-0.16	-0.35746	-0.35590	-0.35354	-0.35040	-0.34649	-0.34184	-0.33648	-0.33044	-0.32374	-0.31644	-0.30856
-0.14	-0.39441	-0.39238	-0.38945	-0.38565	-0.38100	-0.37552	-0.36924	-0.36218	-0.35438	-0.34588	-0.33672
-0.12	-0.43557	-0.43299	-0.42942	-0.42490	-0.41943	-0.41303	-0.40573	-0.39755	-0.38852	-0.37868	-0.36807
-0.10	-0.48137	-0.47819	-0.47393	-0.46862	-0.46225	-0.45486	-0.44645	-0.43704	-0.42667	-0.41535	-0.40312
-0.08	-0.53232	-0.52848	-0.52347	-0.51730	-0.50998	-0.50152	-0.49193	-0.48121	-0.46939	-0.45647	-0.44248
-0.06	-0.58898	-0.58435	-0.57854	-0.57148	-0.56316	-0.55359	-0.54277	-0.53069	-0.51735	-0.50276	-0.48690
-0.04	-0.65164	-0.64633	-0.63967	-0.63168	-0.62234	-0.61164	-0.59958	-0.58613	-0.57128	-0.55499	-0.53725
-0.02	-0.72104	-0.71492	-0.70739	-0.69845	-0.68808	-0.67627	-0.66299	-0.64822	-0.63191	-0.61401	-0.59446
0.00	-0.79760	-0.79062	-0.78219	-0.77229	-0.76091	-0.74802	-0.73360	-0.71759	-0.69994	-0.68059	-0.65946
0.02	-0.68167	-0.67378	-0.66442	-0.65357	-0.64121	-0.62731	-0.61183	-0.59472	-0.57592	-0.55535	-0.53293
0.04	-0.57311	-0.56430	-0.55401	-0.54224	-0.52895	-0.51411	-0.49770	-0.47965	-0.45991	-0.43841	-0.41505
0.06	-0.47166	-0.46192	-0.45073	-0.43807	-0.42392	-0.40826	-0.39104	-0.37222	-0.35176	-0.32959	-0.30563
0.08	-0.37699	-0.36633	-0.35427	-0.34078	-0.32585	-0.30946	-0.29157	-0.27214	-0.25115	-0.22853	-0.20423
0.10	-0.28875	-0.27720	-0.26431	-0.25005	-0.23441	-0.21738	-0.19892	-0.17901	-0.15763	-0.13473	-0.11029
0.12	-0.20657	-0.19416	-0.18048	-0.16550	-0.14922	-0.13161	-0.11267	-0.09238	-0.07071	-0.04765	-0.02318
0.14	-0.13007	-0.11684	-0.10240	-0.08674	-0.06986	-0.05175	-0.03239	-0.01177	0.01012	0.03328	0.05772
0.16	-0.05887	-0.04483	-0.02967	-0.01338	0.00406	0.02265	0.04239	0.06329	0.08535	0.10858	0.13298
0.18	0.00742	0.02223	0.03808	0.05499	0.07296	0.09199	0.11209	0.13325	0.15548	0.17877	0.20312
0.20	0.06917	0.08472	0.10125	0.11875	0.13722	0.15668	0.17713	0.19854	0.22094	0.24431	0.26863
0.22	0.12673	0.14301	0.16018	0.17825	0.19723	0.21711	0.23789	0.25957	0.28214	0.30559	0.28039
0.24	0.18044	0.19742	0.21522	0.23385	0.25332	0.27362	0.29474	0.31668	0.33944	0.31349	0.28925
0.26	0.23061	0.24827	0.26669	0.28588	0.30582	0.32653	0.34800	0.37023	0.34369	0.31882	0.29554
0.28	0.27754	0.29586	0.31489	0.33461	0.35504	0.37617	0.39799	0.37101	0.34566	0.32187	0.29955
0.30	0.32150	0.34047	0.36008	0.38034	0.40125	0.42279	0.39549	0.36980	0.34564	0.32292	0.30156
0.32	0.36273	0.38234	0.40253	0.42332	0.44470	0.41719	0.39128	0.36687	0.34386	0.32220	0.30180
0.34	0.40148	0.42171	0.44247	0.46377	0.43617	0.41014	0.38558	0.36241	0.34055	0.31994	0.30049
0.36	0.43796	0.45878	0.48010	0.45249	0.42643	0.40183	0.37859	0.35665	0.33591	0.31632	0.29782
0.38	0.47235	0.49376	0.46622	0.44022	0.41566	0.39245	0.37050	0.34975	0.33012	0.31155	0.29398
0.40	0.50484	0.47743	0.45157	0.42713	0.40403	0.38217	0.36148	0.34189	0.32334	0.30576	0.28911
0.42	0.48622	0.46055	0.43631	0.41338	0.39169	0.37114	0.35167	0.33322	0.31572	0.29912	0.28337
0.44	0.46725	0.44326	0.42058	0.39912	0.37878	0.35951	0.34122	0.32387	0.30739	0.29175	0.27688
0.46	0.44806	0.42569	0.40451	0.38446	0.36544	0.34739	0.33025	0.31397	0.29849	0.28377	0.26977
0.48	0.42876	0.40794	0.38822	0.36952	0.35177	0.33490	0.31887	0.30362	0.28911	0.27529	0.26214
0.50	0.40946	0.39013	0.37180	0.35440	0.33787	0.32215	0.30719	0.29294	0.27936	0.26642	0.25408
0.52	0.39025	0.37234	0.35535	0.33921	0.32385	0.30923	0.29529	0.28201	0.26934	0.25724	0.24570
0.54	0.37121	0.35467	0.33896	0.32401	0.30978	0.29621	0.28327	0.27092	0.25911	0.24784	0.23706
0.56	0.35242	0.33719	0.32270	0.30890	0.29574	0.28319	0.27119	0.25973	0.24877	0.23828	0.22824
0.58	0.33395	0.31996	0.30663	0.29393	0.28180	0.27021	0.25913	0.24852	0.23837	0.22863	0.21930
0.60	0.31585	0.30304	0.29083	0.27917	0.26802	0.25736	0.24714	0.23736	0.22797	0.21896	0.21032
0.62	0.29819	0.28650	0.27534	0.26467	0.25446	0.24467	0.23529	0.22628	0.21763	0.20932	0.20132
0.64	0.28099	0.27037	0.26022	0.25049	0.24116	0.23221	0.22361	0.21535	0.20740	0.19975	0.19238
0.66	0.26432	0.25470	0.24549	0.23665	0.22817	0.22001	0.21216	0.20460	0.19731	0.19029	0.18352
0.68	0.24820	0.23953	0.23121	0.22321	0.21552	0.20810	0.20096	0.19407	0.18742	0.18099	0.17479
0.70	0.23266	0.22488	0.21739	0.21019	0.20324	0.19653	0.19006	0.18380	0.17774	0.17188	0.16622
0.72	0.21772	0.21078	0.20408	0.19761	0.19137	0.18532	0.17947	0.17381	0.16832	0.16299	0.15783
0.74	0.20341	0.19725	0.19128	0.18551	0.17992	0.17450	0.16923	0.16413	0.15917	0.15434	0.14966
0.76	0.18975	0.18430	0.17902	0.17389	0.16891	0.16407	0.15936	0.15477	0.15031	0.14596	0.14172
0.78	0.17673	0.17196	0.16731	0.16278	0.15837	0.15406	0.14987	0.14577	0.14176	0.13785	0.13404
0.80	0.16438	0.16022	0.15615	0.15218	0.14829	0.14449	0.14076	0.13712	0.13354	0.13005	0.12662
0.82	0.15268	0.14908	0.14556	0.14209	0.13869	0.13535	0.13206	0.12883	0.12566	0.12254	0.11948
0.84	0.14164	0.13856	0.13552	0.13253	0.12957	0.12665	0.12376	0.12092	0.11812	0.11535	0.11263
0.86	0.13126	0.12864	0.12605	0.12348	0.12092	0.11839	0.11588	0.11339	0.11092	0.10848	0.10607
0.88	0.12151	0.11932	0.11713	0.11494	0.11275	0.11057	0.10840	0.10623	0.10408	0.10194	0.09981
0.90	0.11240	0.11058	0.10875	0.10691	0.10505	0.10319	0.10132	0.09945	0.09758	0.09571	0.09385
0.92	0.10389	0.10241	0.10091	0.09937	0.09782	0.09624	0.09465	0.09304	0.09143	0.08981	0.08818
0.94	0.09598	0.09480	0.09358	0.09232	0.09103	0.08971	0.08836	0.08700	0.08562	0.08422	0.08281
0.96	0.08864	0.08771	0.08674	0.08573	0.08467	0.08358	0.08246	0.08131	0.08013	0.07894	0.07773
0.98	0.08184	0.08114	0.08039	0.07958	0.07874	0.07785	0.07692	0.07596	0.07498	0.07396	0.07293
1.00	0.07556	0.07505	0.07449	0.07387	0.07320	0.07249	0.07174	0.07095	0.07013	0.06928	0.06840

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(c) Concluded. Half cone angle, 30.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.80	0.82	0.84	0.86	0.88	0.90	0.92	0.94	0.96	0.98	1.00
-0.20	-0.26021	-0.25404	-0.24750	-0.24065	-0.23352	-0.22617	-0.21864	-0.21098	-0.20325	-0.19548	-0.18774
-0.18	-0.28317	-0.27596	-0.26834	-0.26035	-0.25206	-0.24352	-0.23479	-0.22592	-0.21699	-0.20804	-0.19915
-0.16	-0.30856	-0.30015	-0.29127	-0.28198	-0.27233	-0.26239	-0.25224	-0.24195	-0.23160	-0.22126	-0.21101
-0.14	-0.33672	-0.32694	-0.31661	-0.30579	-0.29455	-0.28297	-0.27114	-0.25915	-0.24711	-0.23511	-0.22326
-0.12	-0.36807	-0.35674	-0.34474	-0.33214	-0.31903	-0.30550	-0.29167	-0.27765	-0.26357	-0.24956	-0.23578
-0.10	-0.40312	-0.39003	-0.37612	-0.36148	-0.34619	-0.33035	-0.31410	-0.29759	-0.28101	-0.26454	-0.24837
-0.08	-0.44248	-0.42745	-0.41142	-0.39444	-0.37660	-0.35802	-0.33884	-0.31926	-0.29952	-0.27992	-0.26074
-0.06	-0.48690	-0.46979	-0.45144	-0.43187	-0.41113	-0.38932	-0.36658	-0.34313	-0.31930	-0.29554	-0.27237
-0.04	-0.53725	-0.51801	-0.49725	-0.47493	-0.45104	-0.42557	-0.39859	-0.37024	-0.34090	-0.31123	-0.28226
-0.02	-0.59446	-0.57320	-0.55012	-0.52614	-0.49810	-0.46886	-0.43724	-0.40305	-0.36624	-0.32725	-0.28820
0.00	-0.65946	-0.63643	-0.61137	-0.58412	-0.55443	-0.52200	-0.48639	-0.44690	-0.40236	-0.35028	-0.27882
0.02	-0.53293	-0.50853	-0.48201	-0.45317	-0.42177	-0.38747	-0.34980	-0.30813	-0.26152	-0.20877	-0.19888
0.04	-0.41505	-0.38974	-0.36233	-0.33267	-0.30056	-0.26577	-0.22802	-0.18700	-0.14246	-0.14391	-0.14137
0.06	-0.30563	-0.27981	-0.25202	-0.22216	-0.19010	-0.15573	-0.11893	-0.07960	-0.08737	-0.09198	-0.09380
0.08	-0.20423	-0.17821	-0.15040	-0.12074	-0.08916	-0.05562	-0.02010	-0.03220	-0.04164	-0.04859	-0.05331
0.10	-0.11029	-0.08428	-0.05665	-0.02739	0.00353	0.03611	0.02074	0.00775	-0.00299	-0.01165	-0.01842
0.12	-0.02318	0.00272	0.03005	0.05883	0.08905	0.07111	0.05536	0.04168	0.02996	0.02006	0.01181
0.14	0.05772	0.08345	0.11046	0.13876	0.11874	0.10077	0.08475	0.07058	0.05816	0.04735	0.03802
0.16	0.13298	0.15853	0.18524	0.16352	0.14375	0.12583	0.10968	0.09520	0.08229	0.07084	0.06074
0.18	0.20312	0.22852	0.20541	0.18416	0.16469	0.14691	0.13074	0.11610	0.10288	0.09101	0.08037
0.20	0.26863	0.24437	0.22191	0.20116	0.18205	0.16450	0.14843	0.13374	0.12038	0.10824	0.09725
0.22	0.28039	0.25694	0.23516	0.21497	0.19628	0.17903	0.16313	0.14852	0.13512	0.12286	0.11167
0.24	0.28925	0.26663	0.24555	0.22595	0.20773	0.19084	0.17520	0.16076	0.14743	0.13516	0.12388
0.26	0.29554	0.27376	0.25341	0.23442	0.21672	0.20025	0.18494	0.17073	0.15756	0.14536	0.13410
0.28	0.29955	0.27863	0.25903	0.24069	0.22354	0.20753	0.19260	0.17868	0.16574	0.15370	0.14252
0.30	0.30156	0.28149	0.26266	0.24499	0.22843	0.21292	0.19841	0.18484	0.17218	0.16036	0.14934
0.32	0.30180	0.28260	0.26454	0.24756	0.23160	0.21663	0.20257	0.18940	0.17706	0.16551	0.15470
0.34	0.30049	0.28215	0.26487	0.24859	0.23327	0.21884	0.20528	0.19253	0.18055	0.16931	0.15876
0.36	0.29782	0.28035	0.26385	0.24828	0.23359	0.21974	0.20668	0.19438	0.18280	0.17189	0.16164
0.38	0.29398	0.27736	0.26165	0.24679	0.23274	0.21947	0.20694	0.19511	0.18394	0.17340	0.16347
0.40	0.28911	0.27334	0.25840	0.24426	0.23086	0.21818	0.20618	0.19483	0.18410	0.17395	0.16436
0.42	0.28337	0.26843	0.25426	0.24082	0.22808	0.21599	0.20453	0.19367	0.18339	0.17364	0.16441
0.44	0.27688	0.26277	0.24935	0.23661	0.22451	0.21302	0.20211	0.19174	0.18191	0.17258	0.16372
0.46	0.26977	0.25646	0.24379	0.23174	0.22027	0.20937	0.19900	0.18914	0.17976	0.17085	0.16238
0.48	0.26214	0.24961	0.23767	0.22630	0.21546	0.20514	0.19531	0.18595	0.17703	0.16854	0.16045
0.50	0.25408	0.24232	0.23109	0.22038	0.21016	0.20042	0.19112	0.18225	0.17379	0.16572	0.15803
0.52	0.24570	0.23467	0.22414	0.21408	0.20446	0.19528	0.18651	0.17812	0.17012	0.16247	0.15516
0.54	0.23706	0.22675	0.21689	0.20746	0.19844	0.18980	0.18154	0.17364	0.16608	0.15884	0.15193
0.56	0.22824	0.21862	0.20942	0.20060	0.19214	0.18405	0.17629	0.16886	0.16173	0.15491	0.14837
0.58	0.21930	0.21036	0.20178	0.19355	0.18565	0.17808	0.17081	0.16383	0.15714	0.15071	0.14455
0.60	0.21032	0.20201	0.19404	0.18638	0.17902	0.17195	0.16515	0.15862	0.15234	0.14631	0.14052
0.62	0.20132	0.19364	0.18625	0.17913	0.17229	0.16570	0.15937	0.15327	0.14739	0.14174	0.13631
0.64	0.19238	0.18528	0.17845	0.17186	0.16551	0.15940	0.15350	0.14781	0.14234	0.13705	0.13197
0.66	0.18352	0.17699	0.17068	0.16460	0.15873	0.15306	0.14759	0.14230	0.13720	0.13228	0.12753
0.68	0.17479	0.16879	0.16299	0.15739	0.15197	0.14673	0.14167	0.13677	0.13203	0.12745	0.12302
0.70	0.16622	0.16073	0.15541	0.15026	0.14528	0.14045	0.13577	0.13124	0.12685	0.12260	0.11848
0.72	0.15783	0.15282	0.14796	0.14325	0.13867	0.13423	0.12993	0.12574	0.12169	0.11776	0.11394
0.74	0.14966	0.14510	0.14068	0.13637	0.13218	0.12811	0.12416	0.12031	0.11657	0.11294	0.10941
0.76	0.14172	0.13759	0.13357	0.12965	0.12583	0.12211	0.11849	0.11496	0.11152	0.10818	0.10492
0.78	0.13404	0.13031	0.12667	0.12311	0.11964	0.11625	0.11294	0.10971	0.10655	0.10348	0.10048
0.80	0.12662	0.12326	0.11998	0.11676	0.11361	0.11053	0.10752	0.10457	0.10169	0.09887	0.09612
0.82	0.11948	0.11647	0.11352	0.11062	0.10778	0.10499	0.10225	0.09957	0.09694	0.09436	0.09184
0.84	0.11263	0.10994	0.10730	0.10470	0.10214	0.09962	0.09714	0.09471	0.09232	0.08997	0.08767
0.86	0.10607	0.10368	0.10133	0.09900	0.09670	0.09443	0.09220	0.09000	0.08783	0.08570	0.08360
0.88	0.09981	0.09770	0.09560	0.09353	0.09148	0.08944	0.08743	0.08545	0.08349	0.08156	0.07965
0.90	0.09385	0.09199	0.09014	0.08830	0.08647	0.08465	0.08285	0.08107	0.07930	0.07755	0.07583
0.92	0.08818	0.08655	0.08492	0.08330	0.08168	0.08006	0.07845	0.07685	0.07527	0.07369	0.07213
0.94	0.08281	0.08139	0.07996	0.07853	0.07710	0.07567	0.07424	0.07281	0.07139	0.06998	0.06857
0.96	0.07773	0.07650	0.07526	0.07401	0.07275	0.07148	0.07021	0.06895	0.06768	0.06641	0.06515
0.98	0.07293	0.07187	0.07080	0.06971	0.06861	0.06749	0.06638	0.06525	0.06412	0.06299	0.06186
1.00	0.06840	0.06750	0.06658	0.06563	0.06468	0.06370	0.06272	0.06173	0.06073	0.05972	0.05871

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(d) Half cone angle, 45.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20
-0.20	0.	-0.04432	-0.08826	-0.13147	-0.17364	-0.21447	-0.25373	-0.29125	-0.32688	-0.36052	-0.39210
-0.18	0.	-0.04850	-0.09654	-0.14369	-0.18956	-0.23383	-0.27625	-0.31661	-0.35479	-0.39069	-0.42426
-0.16	0.	-0.05330	-0.10603	-0.15764	-0.20767	-0.25575	-0.30160	-0.34502	-0.38590	-0.42416	-0.45977
-0.14	0.	-0.05889	-0.11703	-0.17374	-0.22845	-0.28074	-0.33033	-0.37702	-0.42072	-0.46141	-0.49910
-0.12	0.	-0.06550	-0.12998	-0.19257	-0.25257	-0.30951	-0.36312	-0.41325	-0.45987	-0.50302	-0.54277
-0.10	0.	-0.07349	-0.14555	-0.21498	-0.28095	-0.34298	-0.40085	-0.45453	-0.50409	-0.54965	-0.59136
-0.08	0.	-0.08347	-0.16476	-0.24221	-0.31488	-0.38237	-0.44465	-0.50187	-0.55425	-0.60207	-0.64557
-0.06	0.	-0.09653	-0.18938	-0.27623	-0.35623	-0.42936	-0.49596	-0.55648	-0.61141	-0.66117	-0.70615
-0.04	0.	-0.11498	-0.22267	-0.32021	-0.40772	-0.48616	-0.55656	-0.61984	-0.67676	-0.72796	-0.77396
-0.02	0.	-0.14498	-0.27117	-0.37930	-0.47317	-0.55563	-0.62864	-0.69364	-0.75167	-0.80354	-0.84991
0.00	0.	-0.20875	-0.34818	-0.46144	-0.55768	-0.64126	-0.71473	-0.77978	-0.83761	-0.88911	-0.93497
0.02	0.	-0.14298	-0.26717	-0.37330	-0.46516	-0.54561	-0.61662	-0.67960	-0.73562	-0.78547	-0.82980
0.04	0.	-0.11099	-0.21467	-0.30821	-0.39171	-0.46614	-0.53252	-0.59178	-0.64466	-0.69182	-0.73376
0.06	0.	-0.09054	-0.17738	-0.25824	-0.33223	-0.39934	-0.45991	-0.51441	-0.56328	-0.60698	-0.64588
0.08	0.	-0.07548	-0.14877	-0.21823	-0.28289	-0.34237	-0.39662	-0.44579	-0.49012	-0.52985	-0.56524
0.10	0.	-0.06351	-0.12558	-0.18501	-0.24098	-0.29300	-0.34085	-0.38448	-0.42397	-0.45943	-0.49102
0.12	0.	-0.05353	-0.10604	-0.15664	-0.20465	-0.24958	-0.29116	-0.32925	-0.36380	-0.39485	-0.42246
0.14	0.	-0.04493	-0.08911	-0.13185	-0.17259	-0.21089	-0.24645	-0.27911	-0.30874	-0.33533	-0.35888
0.16	0.	-0.03737	-0.07415	-0.10981	-0.14389	-0.17599	-0.20584	-0.23324	-0.25806	-0.28022	-0.29970
0.18	0.	-0.03059	-0.06072	-0.08994	-0.11788	-0.14420	-0.16864	-0.19100	-0.21113	-0.22895	-0.24439
0.20	0.	-0.02444	-0.04850	-0.07183	-0.09408	-0.11499	-0.13431	-0.15185	-0.16746	-0.18104	-0.19251
0.22	0.	-0.01880	-0.03728	-0.05515	-0.07212	-0.08795	-0.10242	-0.11536	-0.12662	-0.13609	-0.14368
0.24	0.	-0.01358	-0.02689	-0.03968	-0.05171	-0.06276	-0.07264	-0.08118	-0.08826	-0.09375	-0.09757
0.26	0.	-0.00871	-0.01720	-0.02523	-0.03262	-0.03915	-0.04467	-0.04902	-0.05207	-0.05372	-0.05387
0.28	0.	-0.00415	-0.00810	-0.01167	-0.01467	-0.01693	-0.01830	-0.01863	-0.01782	-0.01575	-0.01234
0.30	0.	0.00015	0.00047	0.00113	0.00229	0.00409	0.00668	0.01019	0.01472	0.02037	0.02723
0.32	0.	0.00422	0.00859	0.01326	0.01837	0.02405	0.03043	0.03762	0.04573	0.05484	0.06504
0.34	0.	0.00809	0.01632	0.02481	0.03369	0.04307	0.05308	0.06381	0.07536	0.08782	0.10127
0.36	0.	0.01179	0.02369	0.03583	0.04832	0.06125	0.07475	0.08889	0.10377	0.11947	0.13606
0.38	0.	0.01533	0.03076	0.04639	0.06234	0.07869	0.09554	0.11297	0.13107	0.14990	0.16954
0.40	0.	0.01872	0.03754	0.05654	0.07582	0.09546	0.11555	0.13616	0.15737	0.17924	0.20185
0.42	0.	0.02200	0.04408	0.06632	0.08882	0.11163	0.13485	0.15854	0.18276	0.20759	0.23308
0.44	0.	0.02516	0.05039	0.07577	0.10138	0.12727	0.15352	0.18019	0.20735	0.23505	0.26335
0.46	0.	0.02822	0.05651	0.08493	0.11355	0.14242	0.17162	0.20119	0.23120	0.26170	0.29273
0.48	0.	0.03120	0.06245	0.09383	0.12537	0.15715	0.18921	0.22161	0.25439	0.28762	0.32132
0.50	0.	0.03409	0.06824	0.10249	0.13689	0.17149	0.20635	0.24150	0.27700	0.31289	0.34921
0.52	0.	0.03692	0.07389	0.11095	0.14814	0.18550	0.22309	0.26094	0.29909	0.33758	0.37646
0.54	0.	0.03969	0.07942	0.11923	0.15915	0.19922	0.23948	0.27997	0.32072	0.36177	0.40315
0.56	0.	0.04241	0.08485	0.12735	0.16995	0.21268	0.25557	0.29865	0.34195	0.38551	0.42935
0.58	0.	0.04508	0.09019	0.13535	0.18059	0.22593	0.27140	0.31703	0.36284	0.40886	0.45512
0.60	0.	0.04772	0.09547	0.14325	0.19109	0.23901	0.28703	0.33517	0.38345	0.43191	0.48055
0.62	0.	0.05034	0.10069	0.15107	0.20148	0.25195	0.30249	0.35312	0.40385	0.45470	0.50569
0.64	0.	0.05294	0.10588	0.15883	0.21180	0.26480	0.31784	0.37093	0.42408	0.47730	0.53062
0.66	0.	0.05553	0.11105	0.16657	0.22209	0.27761	0.33313	0.38866	0.44421	0.49979	0.55541
0.68	0.	0.05812	0.11623	0.17432	0.23238	0.29041	0.34841	0.40637	0.46431	0.52222	0.58012
0.70	0.	0.06072	0.12143	0.18210	0.24271	0.30326	0.36373	0.42413	0.48444	0.54468	0.60485
0.72	0.	0.06336	0.12668	0.18995	0.25313	0.31621	0.37917	0.44200	0.50469	0.56724	0.62967
0.74	0.	0.06603	0.13201	0.19791	0.26370	0.32933	0.39479	0.46006	0.52513	0.59000	0.65467
0.76	0.	0.06876	0.13746	0.20604	0.27447	0.34269	0.41068	0.47841	0.54587	0.61305	0.67995
0.78	0.	0.07156	0.14305	0.21439	0.28551	0.35637	0.42692	0.49713	0.56699	0.63649	0.70562
0.80	0.	0.07447	0.14884	0.22302	0.29692	0.37048	0.44363	0.51636	0.58863	0.66044	0.73180
0.82	0.	0.07752	0.15490	0.23203	0.30880	0.38513	0.46094	0.53622	0.61092	0.68506	0.66109
0.84	0.	0.08074	0.16131	0.24154	0.32130	0.40048	0.47902	0.55688	0.63403	0.61321	0.59590
0.86	0.	0.08420	0.16817	0.25169	0.33458	0.41673	0.49806	0.57854	0.56120	0.54757	0.53609
0.88	0.	0.08799	0.17565	0.26269	0.34890	0.43413	0.51832	0.50492	0.49543	0.48797	0.48151
0.90	0.	0.09223	0.18398	0.27485	0.36458	0.45301	0.44415	0.43940	0.43646	0.43417	0.43195
0.92	0.	0.09714	0.19353	0.28861	0.38208	0.37864	0.37945	0.38164	0.38399	0.38593	0.38720
0.94	0.	0.10310	0.20492	0.30467	0.30804	0.31558	0.32372	0.33123	0.33767	0.34293	0.34700
0.96	0.	0.11094	0.21932	0.23197	0.24799	0.26307	0.27633	0.28764	0.29710	0.30485	0.31106
0.98	0.	0.12282	0.15026	0.17741	0.20058	0.22010	0.23652	0.25029	0.26179	0.27130	0.27908
1.00	0.	0.06546	0.10644	0.13820	0.16402	0.18544	0.20340	0.21852	0.23123	0.24188	0.25073

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(d) Continued. Half cone angle, 45.0.

Dimensionless axial position, $\bar{\eta}$	Dimensionless radius, ρ										
	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.34	0.36	0.38	0.40
-0.20	-0.39210	-0.42159	-0.44896	-0.47421	-0.49736	-0.51842	-0.53743	-0.55441	-0.56941	-0.58246	-0.59361
-0.18	-0.42426	-0.45548	-0.48434	-0.51088	-0.53511	-0.55708	-0.57683	-0.59440	-0.60985	-0.62322	-0.63457
-0.16	-0.45977	-0.49275	-0.52312	-0.55093	-0.57622	-0.59905	-0.61949	-0.63760	-0.65345	-0.66708	-0.67858
-0.14	-0.49910	-0.53384	-0.56568	-0.59471	-0.62100	-0.64464	-0.66570	-0.68428	-0.70045	-0.71428	-0.72585
-0.12	-0.54277	-0.57921	-0.61245	-0.64262	-0.66982	-0.69417	-0.71577	-0.73472	-0.75112	-0.76505	-0.77661
-0.10	-0.59136	-0.62940	-0.66392	-0.69510	-0.72308	-0.74801	-0.77001	-0.78921	-0.80573	-0.81966	-0.83109
-0.08	-0.64557	-0.68501	-0.72062	-0.75262	-0.78120	-0.80653	-0.82878	-0.84808	-0.86456	-0.87835	-0.88955
-0.06	-0.70615	-0.74670	-0.78312	-0.81569	-0.84462	-0.87014	-0.89243	-0.91164	-0.92793	-0.94142	-0.95223
-0.04	-0.77396	-0.81520	-0.85206	-0.88484	-0.91383	-0.93927	-0.96134	-0.98024	-0.99613	-1.00913	-1.01939
-0.02	-0.84991	-0.89128	-0.92808	-0.96066	-0.98933	-1.01433	-1.03590	-1.05423	-1.06947	-1.08178	-1.09130
0.00	-0.93497	-0.97574	-1.01186	-1.04372	-1.07161	-1.09580	-1.11651	-1.13395	-1.14829	-1.15966	-1.16821
0.02	-0.82980	-0.86914	-0.90389	-0.93442	-0.96102	-0.98396	-1.00344	-1.01966	-1.03278	-1.04296	-1.05031
0.04	-0.73376	-0.77093	-0.80370	-0.83238	-0.85724	-0.87853	-0.89643	-0.91112	-0.92277	-0.93151	-0.93745
0.06	-0.64588	-0.68032	-0.71062	-0.73703	-0.75978	-0.77908	-0.79510	-0.80801	-0.81795	-0.82504	-0.82939
0.08	-0.56524	-0.59655	-0.62400	-0.64780	-0.66814	-0.68519	-0.69910	-0.71001	-0.71804	-0.72330	-0.72589
0.10	-0.49102	-0.51890	-0.54324	-0.56417	-0.58187	-0.59645	-0.60805	-0.61677	-0.62274	-0.62603	-0.62673
0.12	-0.42246	-0.44673	-0.46776	-0.48565	-0.50052	-0.51248	-0.52161	-0.52801	-0.53177	-0.53297	-0.53167
0.14	-0.35888	-0.37943	-0.39704	-0.41177	-0.42370	-0.43290	-0.43945	-0.44342	-0.44488	-0.44388	-0.44050
0.16	-0.29970	-0.31649	-0.33061	-0.34211	-0.35101	-0.35738	-0.36127	-0.36272	-0.36180	-0.35854	-0.35299
0.18	-0.24439	-0.25743	-0.26805	-0.27627	-0.28211	-0.28560	-0.28677	-0.28565	-0.28228	-0.27670	-0.26894
0.20	-0.19251	-0.20183	-0.20897	-0.21392	-0.21667	-0.21725	-0.21567	-0.21194	-0.20610	-0.19816	-0.18816
0.22	-0.14368	-0.14935	-0.15303	-0.15472	-0.15440	-0.15207	-0.14772	-0.14137	-0.13303	-0.12271	-0.11044
0.24	-0.09757	-0.09965	-0.09994	-0.09841	-0.09503	-0.08979	-0.08269	-0.07371	-0.06287	-0.05016	-0.03560
0.26	-0.05387	-0.05245	-0.04942	-0.04471	-0.03832	-0.03020	-0.02035	-0.00876	0.00459	0.01968	0.03652
0.28	-0.01234	-0.00752	-0.00123	0.00659	0.01597	0.02693	0.03949	0.05368	0.06951	0.08698	0.10610
0.30	0.02723	0.03537	0.04485	0.05571	0.06801	0.08178	0.09703	0.11379	0.13208	0.15191	0.17330
0.32	0.06504	0.07641	0.08899	0.10284	0.11801	0.13453	0.15243	0.17173	0.19246	0.21463	0.23826
0.34	0.10127	0.11577	0.13138	0.14815	0.16613	0.18535	0.20586	0.22766	0.25080	0.27528	0.30113
0.36	0.13606	0.15360	0.17216	0.19179	0.21252	0.23440	0.25746	0.28173	0.30724	0.33401	0.36205
0.38	0.16954	0.19006	0.21149	0.23390	0.25732	0.28181	0.30738	0.33408	0.36192	0.39093	0.42114
0.40	0.20185	0.22525	0.24948	0.27461	0.30067	0.32771	0.35575	0.38482	0.41496	0.44619	0.47854
0.42	0.23308	0.25929	0.28626	0.31405	0.34269	0.37222	0.40268	0.43409	0.46649	0.49991	0.53435
0.44	0.26335	0.29229	0.32194	0.35232	0.38348	0.41546	0.44829	0.48200	0.51662	0.55218	0.58870
0.46	0.29273	0.32435	0.35660	0.38953	0.42316	0.45754	0.49269	0.52866	0.56546	0.60313	0.64168
0.48	0.32132	0.35556	0.39036	0.42577	0.46182	0.49855	0.53599	0.57417	0.61312	0.65286	0.69341
0.50	0.34921	0.38600	0.42329	0.46114	0.49956	0.53860	0.57828	0.61863	0.65968	0.70146	0.74399
0.52	0.37646	0.41575	0.45549	0.49572	0.53647	0.57777	0.61965	0.66214	0.70526	0.74904	0.79350
0.54	0.40315	0.44489	0.48703	0.52961	0.57264	0.61616	0.66020	0.70478	0.74994	0.79569	0.84206
0.56	0.42935	0.47350	0.51800	0.56287	0.60815	0.65385	0.70001	0.74666	0.79381	0.84150	0.88974
0.58	0.45512	0.50165	0.54846	0.59560	0.64308	0.69093	0.73918	0.78785	0.83697	0.88656	0.93665
0.60	0.48055	0.52941	0.57850	0.62786	0.67751	0.72748	0.77778	0.82844	0.87950	0.93096	0.98286
0.62	0.50569	0.55685	0.60820	0.65975	0.71154	0.76358	0.81590	0.86853	0.92148	0.97478	0.92970
0.64	0.53062	0.58405	0.63762	0.69133	0.74522	0.79931	0.85362	0.90818	0.96300	0.91942	0.87846
0.66	0.55541	0.61109	0.66684	0.72269	0.77866	0.83477	0.89104	0.94749	0.90553	0.86622	0.82915
0.68	0.58012	0.63803	0.69595	0.75391	0.81193	0.87003	0.92822	0.88800	0.85046	0.81517	0.78178
0.70	0.60485	0.66496	0.72503	0.78508	0.84512	0.90517	0.86682	0.83119	0.79781	0.76629	0.73636
0.72	0.62967	0.69197	0.75417	0.81627	0.87831	0.84195	0.80838	0.77705	0.74755	0.71957	0.69288
0.74	0.65467	0.71915	0.78345	0.84760	0.81337	0.78201	0.75289	0.72556	0.69969	0.67501	0.65134
0.76	0.67995	0.74659	0.81298	0.78104	0.75206	0.72532	0.70033	0.67671	0.65419	0.63258	0.61172
0.78	0.70562	0.77441	0.74492	0.71850	0.69433	0.67185	0.65065	0.63044	0.61103	0.59226	0.57401
0.80	0.73180	0.70496	0.68132	0.65992	0.64014	0.62154	0.60381	0.58674	0.57018	0.55402	0.53819
0.82	0.66109	0.64046	0.62208	0.60522	0.58941	0.57433	0.55976	0.54555	0.53160	0.51784	0.50422
0.84	0.59690	0.58080	0.56711	0.55431	0.54207	0.53016	0.51844	0.50683	0.49525	0.48367	0.47208
0.86	0.53609	0.52586	0.51630	0.50710	0.49802	0.48894	0.47978	0.47049	0.46106	0.45146	0.44171
0.88	0.48151	0.47548	0.46953	0.46346	0.45717	0.45059	0.44370	0.43649	0.42898	0.42117	0.41309
0.90	0.43195	0.42949	0.42662	0.42327	0.41939	0.41500	0.41011	0.40474	0.39894	0.39273	0.38615
0.92	0.38720	0.38771	0.38743	0.38638	0.38457	0.38207	0.37892	0.37517	0.37087	0.36608	0.36084
0.94	0.34700	0.34992	0.35177	0.35263	0.35257	0.35167	0.35002	0.34767	0.34469	0.34115	0.33710
0.96	0.31106	0.31588	0.31943	0.32184	0.32323	0.32368	0.32330	0.32216	0.32033	0.31788	0.31488
0.98	0.27908	0.28533	0.29020	0.29385	0.29640	0.29797	0.29865	0.29853	0.29769	0.29619	0.29411
1.00	0.25073	0.25799	0.26385	0.26845	0.27193	0.27440	0.27595	0.27669	0.27668	0.27600	0.27471

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_\rho/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(d) Continued. Half cone angle, 45.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.40	0.42	0.44	0.46	0.48	0.50	0.52	0.54	0.56	0.58	0.60
-0.20	-0.59361	-0.60289	-0.61035	-0.61602	-0.61996	-0.62220	-0.62277	-0.62173	-0.61911	-0.61495	-0.60929
-0.18	-0.63457	-0.64394	-0.65139	-0.65695	-0.66068	-0.66263	-0.66282	-0.66132	-0.65815	-0.65336	-0.64699
-0.16	-0.67858	-0.68798	-0.69536	-0.70076	-0.70423	-0.70582	-0.70558	-0.70356	-0.69979	-0.69433	-0.68720
-0.14	-0.72585	-0.73522	-0.74245	-0.74762	-0.75076	-0.75195	-0.75121	-0.74862	-0.74419	-0.73799	-0.73005
-0.12	-0.77661	-0.78586	-0.79288	-0.79773	-0.80048	-0.80118	-0.79989	-0.79665	-0.79152	-0.78452	-0.77571
-0.10	-0.83109	-0.84013	-0.84683	-0.85129	-0.85356	-0.85370	-0.85178	-0.84784	-0.84192	-0.83407	-0.82434
-0.08	-0.88955	-0.89825	-0.90454	-0.90850	-0.91020	-0.90970	-0.90706	-0.90234	-0.89558	-0.88681	-0.87609
-0.06	-0.95223	-0.96046	-0.96621	-0.96956	-0.97058	-0.96935	-0.96591	-0.96033	-0.95265	-0.94291	-0.93114
-0.04	-1.01939	-1.02700	-1.03207	-1.03469	-1.03492	-1.03284	-1.02851	-1.02199	-1.01331	-1.00251	-0.98964
-0.02	-1.09130	-1.09812	-1.10235	-1.10409	-1.10340	-1.10037	-1.09504	-1.08748	-1.07772	-1.06580	-1.05176
0.00	-1.16821	-1.17404	-1.17727	-1.17797	-1.17623	-1.17211	-1.16568	-1.15698	-1.14605	-1.13293	-1.11765
0.02	-1.05031	-1.05495	-1.05698	-1.05649	-1.05354	-1.04821	-1.04055	-1.03060	-1.01842	-1.00402	-0.98744
0.04	-0.93745	-0.94071	-0.94137	-0.93952	-0.93523	-0.92857	-0.91957	-0.90829	-0.89477	-0.87903	-0.86109
0.06	-0.82939	-0.83109	-0.83024	-0.82691	-0.82116	-0.81305	-0.80263	-0.78994	-0.77500	-0.75786	-0.73851
0.08	-0.72589	-0.72590	-0.72341	-0.71847	-0.71116	-0.70152	-0.68959	-0.67541	-0.65902	-0.64041	-0.61962
0.10	-0.62673	-0.62492	-0.62067	-0.61404	-0.60507	-0.59382	-0.58032	-0.56461	-0.54669	-0.52660	-0.50434
0.12	-0.53167	-0.52795	-0.52185	-0.51344	-0.50275	-0.48982	-0.47469	-0.45739	-0.43792	-0.41631	-0.39256
0.14	-0.44050	-0.43477	-0.42676	-0.41649	-0.40402	-0.38937	-0.37257	-0.35364	-0.33259	-0.30944	-0.28418
0.16	-0.35299	-0.34520	-0.33521	-0.32304	-0.30874	-0.29232	-0.27381	-0.25323	-0.23058	-0.20587	-0.17911
0.18	-0.26894	-0.25904	-0.24702	-0.23292	-0.21675	-0.19853	-0.17829	-0.15603	-0.13176	-0.10549	-0.07721
0.20	-0.18816	-0.17611	-0.16203	-0.14595	-0.12789	-0.10785	-0.08586	-0.06191	-0.03602	-0.00818	0.02161
0.22	-0.11044	-0.09622	-0.08007	-0.06200	-0.04202	-0.02015	0.00361	0.02925	0.05677	0.08618	0.11747
0.24	-0.03560	-0.01920	-0.00096	0.01911	0.04101	0.06472	0.09025	0.11759	0.14674	0.17771	0.21050
0.26	0.03652	0.05511	0.07544	0.09752	0.12134	0.14690	0.17419	0.20323	0.23400	0.26653	0.30081
0.28	0.10610	0.12687	0.14929	0.17337	0.19911	0.22651	0.25557	0.28629	0.31869	0.35276	0.38852
0.30	0.17330	0.19624	0.22074	0.24681	0.27446	0.30369	0.33451	0.36692	0.40092	0.43653	0.47375
0.32	0.23826	0.26335	0.28992	0.31798	0.34753	0.37858	0.41114	0.44521	0.48081	0.51794	0.55661
0.34	0.30113	0.32836	0.35697	0.38700	0.41843	0.45129	0.48558	0.52131	0.55849	0.59713	0.63723
0.36	0.36205	0.39138	0.42203	0.45400	0.48730	0.52195	0.55795	0.59532	0.63407	0.67420	0.71573
0.38	0.42114	0.45256	0.48521	0.51910	0.55425	0.59067	0.62837	0.66736	0.70766	0.74927	0.79220
0.40	0.47854	0.51201	0.54664	0.58243	0.61940	0.65757	0.69695	0.73755	0.77937	0.82245	0.86677
0.42	0.53435	0.56985	0.60643	0.64409	0.68287	0.72276	0.76380	0.80598	0.84933	0.89384	0.84037
0.44	0.58870	0.62619	0.66469	0.70420	0.74476	0.78636	0.82903	0.87278	0.91762	0.86442	0.81392
0.46	0.64168	0.68114	0.72153	0.76287	0.80518	0.84846	0.89275	0.93804	0.88525	0.83512	0.78749
0.48	0.69341	0.73481	0.77706	0.82020	0.86423	0.90917	0.95505	0.90279	0.85317	0.80601	0.76114
0.50	0.74399	0.78728	0.83137	0.87628	0.92201	0.96859	0.91699	0.86802	0.82146	0.77716	0.73495
0.52	0.79350	0.83867	0.88457	0.93121	0.97862	0.92781	0.87960	0.83379	0.79018	0.74862	0.70898
0.54	0.84206	0.88907	0.93675	0.98510	0.93520	0.88788	0.84294	0.80015	0.75937	0.72045	0.68327
0.56	0.88974	0.93857	0.98799	0.93911	0.89282	0.84887	0.80704	0.76716	0.72909	0.69270	0.65789
0.58	0.93665	0.98725	0.93952	0.89438	0.85154	0.81080	0.77195	0.73486	0.69938	0.66542	0.63289
0.60	0.98286	0.93639	0.89252	0.85094	0.81140	0.77372	0.73772	0.70329	0.67029	0.63866	0.60830
0.62	0.92970	0.88722	0.84702	0.80882	0.77243	0.73766	0.70439	0.67248	0.64186	0.61244	0.58416
0.64	0.87846	0.83976	0.80304	0.76806	0.73465	0.70266	0.67197	0.64248	0.61412	0.58682	0.56052
0.66	0.82915	0.79403	0.76060	0.72867	0.69809	0.66873	0.64050	0.61331	0.58710	0.56181	0.53740
0.68	0.78178	0.75003	0.71972	0.69067	0.66277	0.63591	0.61000	0.58499	0.56082	0.53745	0.51484
0.70	0.73636	0.70779	0.68040	0.65408	0.62870	0.60419	0.58049	0.55754	0.53531	0.51375	0.49285
0.72	0.69288	0.66729	0.64266	0.61889	0.59589	0.57361	0.55199	0.53099	0.51058	0.49075	0.47146
0.74	0.65134	0.62853	0.60649	0.58511	0.56435	0.54416	0.52449	0.50533	0.48665	0.46845	0.45070
0.76	0.61172	0.59152	0.57188	0.55275	0.53408	0.51585	0.49802	0.48059	0.46354	0.44686	0.43056
0.78	0.57401	0.55622	0.53883	0.52179	0.50508	0.48867	0.47257	0.45676	0.44124	0.42601	0.41107
0.80	0.53819	0.52263	0.50732	0.49222	0.47733	0.46263	0.44814	0.43384	0.41976	0.40588	0.39223
0.82	0.50422	0.49072	0.47733	0.46403	0.45082	0.43772	0.42472	0.41185	0.39910	0.38650	0.37405
0.84	0.47208	0.46047	0.44884	0.43719	0.42555	0.41392	0.40231	0.39076	0.37926	0.36784	0.35652
0.86	0.44171	0.43183	0.42181	0.41169	0.40148	0.39121	0.38090	0.37057	0.36024	0.34993	0.33966
0.88	0.41309	0.40476	0.39622	0.38750	0.37861	0.36959	0.36047	0.35127	0.34202	0.33274	0.32345
0.90	0.38615	0.37924	0.37203	0.36458	0.35689	0.34902	0.34100	0.33284	0.32459	0.31627	0.30790
0.92	0.36084	0.35520	0.34920	0.34290	0.33631	0.32949	0.32247	0.31528	0.30795	0.30051	0.29298
0.94	0.33710	0.33260	0.32769	0.32242	0.31683	0.31097	0.30486	0.29855	0.29207	0.28544	0.27871
0.96	0.31488	0.31139	0.30744	0.30310	0.29842	0.29342	0.28815	0.28264	0.27694	0.27107	0.26505
0.98	0.29411	0.29150	0.28842	0.28491	0.28103	0.27681	0.27230	0.26753	0.26254	0.25736	0.25201
1.00	0.27471	0.27288	0.27056	0.26779	0.26463	0.26112	0.25729	0.25319	0.24885	0.24430	0.23956

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_\rho/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(d) Continued. Half cone angle, 45.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.60	0.62	0.64	0.66	0.68	0.70	0.72	0.74	0.76	0.78	0.80
-0.20	-0.60929	-0.60217	-0.59363	-0.58372	-0.57247	-0.55995	-0.54620	-0.53128	-0.51526	-0.49820	-0.48020
-0.18	-0.64699	-0.63909	-0.62968	-0.61881	-0.60654	-0.59289	-0.57793	-0.56170	-0.54428	-0.52572	-0.50612
-0.16	-0.68720	-0.67845	-0.66812	-0.65625	-0.64287	-0.62804	-0.61180	-0.59419	-0.57528	-0.55513	-0.53382
-0.14	-0.73005	-0.72041	-0.70910	-0.69616	-0.68164	-0.66556	-0.64797	-0.62892	-0.60844	-0.58661	-0.56347
-0.12	-0.77571	-0.76512	-0.75278	-0.73873	-0.72300	-0.70562	-0.68663	-0.66606	-0.64394	-0.62034	-0.59529
-0.10	-0.82434	-0.81274	-0.79932	-0.78410	-0.76712	-0.74839	-0.72794	-0.70580	-0.68199	-0.65655	-0.62950
-0.08	-0.87609	-0.86344	-0.84889	-0.83246	-0.81417	-0.79405	-0.77210	-0.74835	-0.72279	-0.69546	-0.66635
-0.06	-0.93114	-0.91738	-0.90164	-0.88395	-0.86433	-0.84278	-0.81930	-0.79390	-0.76658	-0.73732	-0.70612
-0.04	-0.98964	-0.97471	-0.95775	-0.93877	-0.91777	-0.89476	-0.86974	-0.84268	-0.81358	-0.78239	-0.74909
-0.02	-1.05176	-1.03561	-1.01737	-0.99706	-0.97466	-0.95018	-0.92359	-0.89488	-0.86400	-0.83091	-0.79555
0.00	-1.11765	-1.10023	-1.08067	-1.05899	-1.03517	-1.00920	-0.98106	-0.95070	-0.91808	-0.88314	-0.84577
0.02	-0.98744	-0.96869	-0.94777	-0.92469	-0.89942	-0.87196	-0.84227	-0.81030	-0.77599	-0.73926	-0.70000
0.04	-0.86109	-0.84096	-0.81864	-0.79414	-0.76743	-0.73848	-0.70727	-0.67373	-0.63779	-0.59936	-0.55833
0.06	-0.73851	-0.71697	-0.69324	-0.66730	-0.63915	-0.60874	-0.57603	-0.54098	-0.50349	-0.46348	-0.42083
0.08	-0.61962	-0.59665	-0.57148	-0.54412	-0.51453	-0.48268	-0.44853	-0.41202	-0.37308	-0.33160	-0.28747
0.10	-0.50434	-0.47991	-0.45331	-0.42452	-0.39351	-0.36026	-0.32472	-0.28683	-0.24651	-0.20368	-0.15823
0.12	-0.39256	-0.36667	-0.33863	-0.30842	-0.27603	-0.24141	-0.20452	-0.16531	-0.12372	-0.07964	-0.03300
0.14	-0.28418	-0.25683	-0.22735	-0.19575	-0.16199	-0.12604	-0.08786	-0.04740	-0.00460	0.04061	0.08832
0.16	-0.17911	-0.15028	-0.11938	-0.08640	-0.05130	-0.01406	0.02536	0.06701	0.11093	0.15720	0.20589
0.18	-0.07721	-0.04693	-0.01462	0.01973	0.05614	0.09463	0.13525	0.17803	0.22302	0.27027	0.31984
0.20	0.02161	0.05335	0.08706	0.12275	0.16044	0.20016	0.24193	0.28580	0.33179	0.37996	0.43034
0.22	0.11747	0.15066	0.18575	0.22276	0.26171	0.30262	0.34551	0.39042	0.43738	0.48642	0.43819
0.24	0.21050	0.24512	0.28158	0.31989	0.36007	0.40215	0.44613	0.49205	0.53993	0.49043	0.44415
0.26	0.30081	0.33685	0.37466	0.41426	0.45565	0.49886	0.54391	0.59081	0.54024	0.49279	0.44837
0.28	0.38852	0.42596	0.46511	0.50597	0.54856	0.59289	0.63898	0.58751	0.53908	0.49361	0.45100
0.30	0.47375	0.51258	0.55305	0.59517	0.63893	0.68436	0.63215	0.58293	0.53659	0.49302	0.45215
0.32	0.55661	0.59683	0.63861	0.68195	0.72687	0.67409	0.62424	0.57720	0.53287	0.49115	0.45197
0.34	0.63723	0.67882	0.72188	0.76645	0.71324	0.66292	0.61535	0.57042	0.52804	0.48811	0.45056
0.36	0.71573	0.75866	0.80300	0.74952	0.69888	0.65093	0.60557	0.56269	0.52220	0.48401	0.44804
0.38	0.79220	0.83647	0.78285	0.73203	0.68387	0.63823	0.59501	0.55411	0.51545	0.47895	0.44453
0.40	0.86677	0.81316	0.76231	0.71406	0.66829	0.62489	0.58375	0.54477	0.50789	0.47303	0.44011
0.42	0.84037	0.78963	0.74145	0.69569	0.65225	0.61101	0.57188	0.53477	0.49962	0.46634	0.43488
0.44	0.81392	0.76594	0.72035	0.67701	0.63581	0.59667	0.55948	0.52418	0.49070	0.45897	0.42893
0.46	0.78749	0.74219	0.69909	0.65808	0.61906	0.58194	0.54664	0.51309	0.48123	0.45100	0.42235
0.48	0.76114	0.71843	0.67774	0.63898	0.60206	0.56690	0.53343	0.50157	0.47129	0.44251	0.41520
0.50	0.73495	0.69473	0.65637	0.61978	0.58489	0.55162	0.51991	0.48969	0.46093	0.43357	0.40756
0.52	0.70898	0.67115	0.63503	0.60054	0.56760	0.53616	0.50615	0.47752	0.45023	0.42423	0.39949
0.54	0.68327	0.64775	0.61379	0.58131	0.55026	0.52058	0.49221	0.46511	0.43925	0.41458	0.39106
0.56	0.65789	0.62458	0.59269	0.56216	0.53292	0.50493	0.47815	0.45253	0.42805	0.40466	0.38233
0.58	0.63289	0.60170	0.57180	0.54313	0.51563	0.48928	0.46402	0.43983	0.41667	0.39452	0.37335
0.60	0.60830	0.57915	0.55115	0.52427	0.49845	0.47366	0.44987	0.42705	0.40518	0.38422	0.36416
0.62	0.58416	0.55696	0.53079	0.50562	0.48141	0.45812	0.43575	0.41425	0.39361	0.37380	0.35482
0.64	0.56052	0.53518	0.51076	0.48722	0.46455	0.44271	0.42169	0.40146	0.38200	0.36331	0.34536
0.66	0.53740	0.51383	0.49108	0.46911	0.44791	0.42746	0.40773	0.38872	0.37041	0.35278	0.33584
0.68	0.51484	0.49296	0.47180	0.45132	0.43153	0.41240	0.39391	0.37607	0.35885	0.34226	0.32627
0.70	0.49285	0.47258	0.45293	0.43388	0.41543	0.39756	0.38026	0.36354	0.34737	0.33176	0.31670
0.72	0.47146	0.45272	0.43451	0.41682	0.39964	0.38297	0.36681	0.35115	0.33599	0.32133	0.30715
0.74	0.45070	0.43340	0.41655	0.40015	0.38418	0.36866	0.35358	0.33895	0.32475	0.31099	0.29766
0.76	0.43056	0.41463	0.39907	0.38389	0.36908	0.35465	0.34060	0.32693	0.31365	0.30076	0.28825
0.78	0.41107	0.39643	0.38209	0.36806	0.35435	0.34095	0.32788	0.31514	0.30273	0.29066	0.27893
0.80	0.39223	0.37881	0.36562	0.35268	0.34000	0.32759	0.31545	0.30358	0.29201	0.28072	0.26974
0.82	0.37405	0.36177	0.34967	0.33776	0.32606	0.31457	0.30330	0.29228	0.28149	0.27096	0.26068
0.84	0.35652	0.34531	0.33423	0.32330	0.31251	0.30190	0.29147	0.28124	0.27120	0.26138	0.25178
0.86	0.33966	0.32945	0.31933	0.30930	0.29939	0.28960	0.27996	0.27047	0.26115	0.25200	0.24304
0.88	0.32345	0.31418	0.30496	0.29578	0.28668	0.27768	0.26877	0.25999	0.25134	0.24284	0.23449
0.90	0.30790	0.29950	0.29111	0.28274	0.27440	0.26612	0.25792	0.24981	0.24179	0.23389	0.22612
0.92	0.29298	0.28540	0.27779	0.27016	0.26254	0.25495	0.24740	0.23992	0.23250	0.22518	0.21795
0.94	0.27871	0.27188	0.26499	0.25806	0.25111	0.24416	0.23723	0.23033	0.22348	0.21670	0.20999
0.96	0.26505	0.25892	0.25271	0.24642	0.24010	0.23375	0.22739	0.22105	0.21473	0.20845	0.20223
0.98	0.25201	0.24652	0.24093	0.23525	0.22950	0.22371	0.21790	0.21207	0.20625	0.20046	0.19469
1.00	0.23956	0.23467	0.22965	0.22453	0.21932	0.21405	0.20874	0.20340	0.19805	0.19270	0.18737

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(d) Concluded. Half cone angle, 45.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.80	0.82	0.84	0.86	0.88	0.90	0.92	0.94	0.96	0.98	1.00
-0.20	-0.48020	-0.46133	-0.44173	-0.42150	-0.40079	-0.37977	-0.35861	-0.33750	-0.31665	-0.29626	-0.27651
-0.18	-0.50612	-0.48556	-0.46415	-0.44203	-0.41935	-0.39629	-0.37306	-0.34987	-0.32698	-0.30463	-0.28304
-0.16	-0.53382	-0.51143	-0.48807	-0.46389	-0.43904	-0.41371	-0.38814	-0.36260	-0.33738	-0.31279	-0.28914
-0.14	-0.56347	-0.53913	-0.51368	-0.48725	-0.46000	-0.43215	-0.40394	-0.37571	-0.34781	-0.32065	-0.29460
-0.12	-0.59629	-0.56888	-0.54118	-0.51231	-0.48244	-0.45178	-0.42059	-0.38926	-0.35824	-0.32805	-0.29922
-0.10	-0.62950	-0.60091	-0.57083	-0.53936	-0.50663	-0.47285	-0.43829	-0.40337	-0.36864	-0.33481	-0.30265
-0.08	-0.66635	-0.63550	-0.60293	-0.56871	-0.53292	-0.49571	-0.45734	-0.41823	-0.37904	-0.34071	-0.30442
-0.06	-0.70612	-0.67296	-0.63784	-0.60076	-0.56174	-0.52084	-0.47824	-0.43426	-0.38959	-0.34547	-0.30381
-0.04	-0.74909	-0.71362	-0.67594	-0.63596	-0.59364	-0.54890	-0.50173	-0.45222	-0.40081	-0.34885	-0.29951
-0.02	-0.79555	-0.75782	-0.71762	-0.67483	-0.62926	-0.58071	-0.52890	-0.47350	-0.41419	-0.35119	-0.28875
0.00	-0.84577	-0.80587	-0.76329	-0.71784	-0.66925	-0.61716	-0.56107	-0.50017	-0.43310	-0.35696	-0.25803
0.02	-0.70000	-0.65807	-0.61329	-0.56544	-0.51418	-0.45907	-0.39947	-0.33437	-0.26204	-0.17919	-0.17960
0.04	-0.55833	-0.51455	-0.46781	-0.41787	-0.36439	-0.30691	-0.24480	-0.17716	-0.10266	-0.11909	-0.12480
0.06	-0.42083	-0.37537	-0.32693	-0.27525	-0.22001	-0.16082	-0.09713	-0.02829	-0.05300	-0.07010	-0.07959
0.08	-0.28747	-0.24055	-0.19065	-0.13756	-0.08099	-0.02063	0.04393	0.01363	-0.01063	-0.02872	-0.04088
0.10	-0.15823	-0.11002	-0.05890	-0.00467	0.05287	0.11398	0.07948	0.05009	0.02592	0.00694	-0.00718
0.12	-0.03300	0.01633	0.06847	0.12359	0.18185	0.14397	0.11063	0.08188	0.05771	0.03800	0.02245
0.14	0.08832	0.13863	0.19164	0.24747	0.20681	0.17028	0.13791	0.10967	0.08550	0.06525	0.04864
0.16	0.20589	0.25706	0.31081	0.26779	0.22862	0.19329	0.16176	0.13398	0.10986	0.08922	0.07185
0.18	0.31984	0.37178	0.32676	0.28537	0.24757	0.21331	0.18256	0.15524	0.13122	0.11036	0.09244
0.20	0.43034	0.38360	0.34031	0.30043	0.26390	0.23067	0.20066	0.17379	0.14995	0.12897	0.11069
0.22	0.43819	0.39329	0.35164	0.31318	0.27786	0.24560	0.21633	0.18994	0.16633	0.14535	0.12685
0.24	0.44415	0.40101	0.36092	0.32383	0.28967	0.25835	0.22980	0.20393	0.18061	0.15972	0.14111
0.26	0.44837	0.40691	0.36833	0.33256	0.29951	0.26912	0.24131	0.21596	0.19299	0.17227	0.15366
0.28	0.45100	0.41116	0.37403	0.33953	0.30758	0.27810	0.25102	0.22624	0.20366	0.18317	0.16465
0.30	0.45215	0.41389	0.37816	0.34490	0.31402	0.28546	0.25912	0.23492	0.21277	0.19257	0.17421
0.32	0.45197	0.41523	0.38087	0.34882	0.31899	0.29133	0.26574	0.24215	0.22047	0.20060	0.18246
0.34	0.45056	0.41531	0.38228	0.35141	0.32262	0.29585	0.27102	0.24806	0.22687	0.20739	0.18951
0.36	0.44804	0.41423	0.38251	0.35280	0.32504	0.29916	0.27509	0.25276	0.23210	0.21303	0.19546
0.38	0.44453	0.41212	0.38167	0.35309	0.32634	0.30135	0.27805	0.25638	0.23626	0.21762	0.20040
0.40	0.44011	0.40907	0.37986	0.35240	0.32665	0.30254	0.28001	0.25899	0.23943	0.22126	0.20442
0.42	0.43488	0.40518	0.37718	0.35082	0.32605	0.30281	0.28105	0.26070	0.24171	0.22403	0.20759
0.44	0.42893	0.40053	0.37372	0.34843	0.32463	0.30225	0.28126	0.26158	0.24318	0.22600	0.20998
0.46	0.42235	0.39522	0.36956	0.34533	0.32247	0.30095	0.28072	0.26172	0.24391	0.22723	0.21165
0.48	0.41520	0.38930	0.36477	0.34157	0.31966	0.29898	0.27950	0.26117	0.24396	0.22780	0.21267
0.50	0.40756	0.38286	0.35944	0.33724	0.31625	0.29640	0.27767	0.26001	0.24339	0.22777	0.21310
0.52	0.39949	0.37596	0.35361	0.33241	0.31231	0.29328	0.27529	0.25830	0.24228	0.22718	0.21298
0.54	0.39106	0.36867	0.34737	0.32712	0.30790	0.28968	0.27242	0.25609	0.24066	0.22610	0.21237
0.56	0.38233	0.36104	0.34075	0.32145	0.30309	0.28566	0.26911	0.25344	0.23860	0.22456	0.21131
0.58	0.37335	0.35312	0.33383	0.31543	0.29792	0.28125	0.26542	0.25038	0.23613	0.22262	0.20984
0.60	0.36416	0.34497	0.32664	0.30913	0.29243	0.27652	0.26138	0.24698	0.23330	0.22032	0.20801
0.62	0.35482	0.33663	0.31923	0.30258	0.28668	0.27151	0.25704	0.24326	0.23015	0.21769	0.20585
0.64	0.34536	0.32814	0.31164	0.29583	0.28071	0.26625	0.25245	0.23928	0.22672	0.21477	0.20340
0.66	0.33584	0.31955	0.30392	0.28892	0.27455	0.26079	0.24763	0.23505	0.22305	0.21160	0.20068
0.68	0.32627	0.31088	0.29609	0.28188	0.26823	0.25515	0.24262	0.23062	0.21916	0.20820	0.19774
0.70	0.31670	0.30218	0.28820	0.27474	0.26180	0.24938	0.23746	0.22603	0.21508	0.20461	0.19459
0.72	0.30715	0.29347	0.28026	0.26754	0.25528	0.24349	0.23216	0.22129	0.21085	0.20085	0.19127
0.74	0.29766	0.28478	0.27232	0.26030	0.24870	0.23753	0.22677	0.21643	0.20649	0.19695	0.18780
0.76	0.28825	0.27613	0.26439	0.25305	0.24209	0.23151	0.22131	0.21148	0.20202	0.19293	0.18420
0.78	0.27893	0.26755	0.25651	0.24581	0.23546	0.22545	0.21579	0.20646	0.19747	0.18882	0.18049
0.80	0.26974	0.25905	0.24867	0.23860	0.22884	0.21938	0.21023	0.20139	0.19286	0.18463	0.17670
0.82	0.26068	0.25067	0.24092	0.23145	0.22224	0.21332	0.20467	0.19630	0.18820	0.18038	0.17283
0.84	0.25178	0.24240	0.23326	0.22436	0.21570	0.20728	0.19911	0.19119	0.18351	0.17609	0.16891
0.86	0.24304	0.23428	0.22571	0.21735	0.20921	0.20128	0.19357	0.18608	0.17882	0.17178	0.16496
0.88	0.23449	0.22630	0.21828	0.21045	0.20279	0.19533	0.18806	0.18099	0.17412	0.16745	0.16098
0.90	0.22612	0.21848	0.21099	0.20365	0.19647	0.18945	0.18260	0.17593	0.16944	0.16312	0.15699
0.92	0.21795	0.21083	0.20384	0.19697	0.19024	0.18365	0.17721	0.17092	0.16479	0.15881	0.15300
0.94	0.20999	0.20336	0.19684	0.19042	0.18411	0.17793	0.17188	0.16595	0.16017	0.15453	0.14903
0.96	0.20223	0.19608	0.19000	0.18400	0.17811	0.17231	0.16662	0.16105	0.15560	0.15027	0.14507
0.98	0.19469	0.18898	0.18332	0.17773	0.17222	0.16679	0.16146	0.15622	0.15109	0.14606	0.14115
1.00	0.18737	0.18208	0.17682	0.17161	0.16646	0.16139	0.15638	0.15147	0.14664	0.14190	0.13726

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(e) Half cone angle, 60.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20
-0.20	0.	-0.09908	-0.19632	-0.29010	-0.37922	-0.46289	-0.54068	-0.61240	-0.67808	-0.73784	-0.79185
-0.18	0.	-0.10654	-0.21081	-0.31090	-0.40547	-0.49370	-0.57524	-0.65000	-0.71810	-0.77976	-0.83525
-0.16	0.	-0.11503	-0.22722	-0.33426	-0.43467	-0.52768	-0.61305	-0.69084	-0.76131	-0.82479	-0.88165
-0.14	0.	-0.12483	-0.24599	-0.36070	-0.46735	-0.56532	-0.65454	-0.73530	-0.80803	-0.87319	-0.93127
-0.12	0.	-0.13632	-0.26774	-0.39090	-0.50417	-0.60718	-0.70021	-0.78380	-0.85861	-0.92526	-0.98438
-0.10	0.	-0.15008	-0.29337	-0.42578	-0.54593	-0.65396	-0.75061	-0.83680	-0.91343	-0.98133	-1.04125
-0.08	0.	-0.16707	-0.32417	-0.46656	-0.59365	-0.70645	-0.80639	-0.89481	-0.97292	-1.04174	-1.10216
-0.06	0.	-0.18890	-0.36206	-0.51484	-0.64854	-0.76559	-0.86825	-0.95839	-1.03751	-1.10685	-1.16741
-0.04	0.	-0.21873	-0.41002	-0.57274	-0.71209	-0.83242	-0.93698	-1.02813	-1.10768	-1.17703	-1.23731
-0.02	0.	-0.26331	-0.47254	-0.64298	-0.78602	-0.90814	-1.01343	-1.10468	-1.18392	-1.25268	-1.31218
0.00	0.	-0.33803	-0.55604	-0.72881	-0.87227	-0.99400	-1.09848	-1.18868	-1.26673	-1.33420	-1.39234
0.02	0.	-0.25985	-0.46562	-0.63260	-0.77220	-0.89088	-0.99275	-1.08060	-1.15645	-1.22186	-1.27802
0.04	0.	-0.21180	-0.39616	-0.55198	-0.68443	-0.79790	-0.89562	-0.97997	-1.05274	-1.11537	-1.16897
0.06	0.	-0.17851	-0.34127	-0.48368	-0.60704	-0.71379	-0.80619	-0.88612	-0.95509	-1.01433	-1.06487
0.08	0.	-0.15320	-0.29644	-0.42500	-0.53829	-0.63736	-0.72360	-0.79841	-0.86297	-0.91834	-0.96539
0.10	0.	-0.13273	-0.25870	-0.37381	-0.47670	-0.56754	-0.64707	-0.71623	-0.77593	-0.82701	-0.87021
0.12	0.	-0.11548	-0.22610	-0.32848	-0.42104	-0.50341	-0.57588	-0.63902	-0.69350	-0.73996	-0.77901
0.14	0.	-0.10050	-0.19736	-0.28781	-0.37028	-0.44414	-0.50937	-0.56626	-0.61525	-0.65684	-0.69151
0.16	0.	-0.08720	-0.17159	-0.25088	-0.32362	-0.38906	-0.44698	-0.49747	-0.54080	-0.57732	-0.60741
0.18	0.	-0.07520	-0.14815	-0.21699	-0.28039	-0.33758	-0.38821	-0.43223	-0.46978	-0.50109	-0.52645
0.20	0.	-0.06421	-0.12660	-0.18561	-0.24007	-0.28920	-0.33261	-0.37015	-0.40186	-0.42786	-0.44838
0.22	0.	-0.05405	-0.10660	-0.15633	-0.20221	-0.24351	-0.27981	-0.31090	-0.33673	-0.35737	-0.37296
0.24	0.	-0.04456	-0.08787	-0.12880	-0.16646	-0.20016	-0.22948	-0.25416	-0.27412	-0.28936	-0.29997
0.26	0.	-0.03563	-0.07021	-0.10277	-0.13252	-0.15884	-0.18131	-0.19967	-0.21378	-0.22361	-0.22921
0.28	0.	-0.02718	-0.05346	-0.07802	-0.10016	-0.11931	-0.13507	-0.14718	-0.15548	-0.15991	-0.16048
0.30	0.	-0.01913	-0.03749	-0.05437	-0.06915	-0.08133	-0.09053	-0.09648	-0.09902	-0.09807	-0.09360
0.32	0.	-0.01142	-0.02218	-0.03167	-0.03933	-0.04472	-0.04749	-0.04737	-0.04421	-0.03790	-0.02840
0.34	0.	-0.00401	-0.00745	-0.00979	-0.01054	-0.00931	-0.00578	0.00031	0.00912	0.02075	0.03526
0.36	0.	0.00315	0.00679	0.01138	0.01735	0.02504	0.03477	0.04674	0.06113	0.07804	0.09755
0.38	0.	0.01009	0.02060	0.03193	0.04445	0.05848	0.07427	0.09205	0.11196	0.13412	0.15859
0.40	0.	0.01684	0.03404	0.05195	0.07088	0.09111	0.11288	0.13637	0.16175	0.18911	0.21852
0.42	0.	0.02343	0.04717	0.07150	0.09671	0.12304	0.15069	0.17984	0.21062	0.24313	0.27746
0.44	0.	0.02988	0.06002	0.09067	0.12205	0.15437	0.18782	0.22255	0.25868	0.29632	0.33553
0.46	0.	0.03622	0.07265	0.10950	0.14696	0.18520	0.22438	0.26463	0.30606	0.34877	0.39283
0.48	0.	0.04246	0.08510	0.12806	0.17152	0.21560	0.26044	0.30616	0.35285	0.40061	0.44949
0.50	0.	0.04863	0.09739	0.14641	0.19579	0.24566	0.29611	0.34725	0.39916	0.45192	0.50560
0.52	0.	0.05475	0.10958	0.16458	0.21985	0.27545	0.33148	0.38800	0.44509	0.50282	0.56126
0.54	0.	0.06082	0.12169	0.18265	0.24375	0.30506	0.36662	0.42849	0.49073	0.55341	0.61658
0.56	0.	0.06687	0.13375	0.20065	0.26757	0.33455	0.40162	0.46881	0.53618	0.60377	0.67165
0.58	0.	0.07292	0.14581	0.21863	0.29137	0.36401	0.43657	0.50906	0.58153	0.65402	0.72658
0.60	0.	0.07899	0.15790	0.23666	0.31521	0.39351	0.47156	0.54934	0.62689	0.70425	0.78146
0.62	0.	0.08509	0.17006	0.25478	0.33916	0.42314	0.50667	0.58973	0.67235	0.75456	0.83641
0.64	0.	0.09125	0.18232	0.27305	0.36331	0.45297	0.54199	0.63034	0.71802	0.80505	0.89151
0.66	0.	0.09749	0.19475	0.29155	0.38771	0.48311	0.57764	0.67127	0.76400	0.85585	0.94689
0.68	0.	0.10384	0.20737	0.31033	0.41248	0.51364	0.61371	0.71264	0.81040	0.90705	1.00264
0.70	0.	0.11032	0.22026	0.32948	0.43769	0.54469	0.65033	0.75455	0.85735	0.95877	1.05889
0.72	0.	0.11697	0.23347	0.34908	0.46346	0.57635	0.68761	0.79715	0.90498	1.01115	1.11575
0.74	0.	0.12383	0.24708	0.36925	0.48991	0.60879	0.72569	0.84057	0.95341	1.06430	1.17335
0.76	0.	0.13095	0.26119	0.39010	0.51719	0.64214	0.76475	0.88496	1.00281	1.11838	1.23183
0.78	0.	0.13838	0.27589	0.41178	0.54546	0.67658	0.80494	0.93050	1.05332	1.17354	1.29132
0.80	0.	0.14621	0.29134	0.43447	0.57493	0.71232	0.84646	0.97737	1.10513	1.22993	1.35198
0.82	0.	0.15453	0.30770	0.45839	0.60582	0.74959	0.88955	1.02578	1.15842	1.28773	1.26578
0.84	0.	0.16347	0.32521	0.48381	0.63843	0.78867	0.93447	1.07596	1.21341	1.19915	1.18454
0.86	0.	0.17322	0.34415	0.51110	0.67312	0.82989	0.98149	1.12818	1.12259	1.11617	1.10809
0.88	0.	0.18401	0.36494	0.54069	0.71031	0.87364	1.03096	1.03529	1.03816	1.03861	1.03631
0.90	0.	0.19624	0.38816	0.57320	0.75054	0.92038	0.93625	0.94979	0.95988	0.96627	0.96903
0.92	0.	0.21052	0.41466	0.60941	0.79448	0.82417	0.85021	0.87135	0.88751	0.89895	0.90608
0.94	0.	0.22792	0.44569	0.65038	0.69731	0.73837	0.77237	0.79962	0.82075	0.83643	0.84728
0.96	0.	0.25046	0.48318	0.55320	0.61305	0.66230	0.70225	0.73422	0.75932	0.77847	0.79244
0.98	0.	0.28256	0.38816	0.47284	0.54057	0.59518	0.63929	0.67475	0.70291	0.72483	0.74137
1.00	0.	0.19740	0.31692	0.40719	0.47862	0.53621	0.58294	0.62078	0.65119	0.67526	0.69386

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(e) Continued. Half cone angle, 60.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.34	0.36	0.38	0.40
-0.20	-0.79185	-0.84036	-0.88360	-0.92182	-0.95526	-0.98415	-1.00873	-1.02919	-1.04574	-1.05856	-1.06783
-0.18	-0.83525	-0.88487	-0.92892	-0.96769	-1.00146	-1.03050	-1.05505	-1.07536	-1.09163	-1.10407	-1.11286
-0.16	-0.88165	-0.93226	-0.97700	-1.01620	-1.05019	-1.07927	-1.10371	-1.12376	-1.13966	-1.15163	-1.15987
-0.14	-0.93127	-0.98274	-1.02802	-1.06752	-1.10160	-1.13059	-1.15479	-1.17449	-1.18992	-1.20133	-1.20891
-0.12	-0.98438	-1.03652	-1.08218	-1.12181	-1.15583	-1.18459	-1.20843	-1.22764	-1.24250	-1.25324	-1.26008
-0.10	-1.04125	-1.09383	-1.13966	-1.17924	-1.21302	-1.24140	-1.26473	-1.28333	-1.29749	-1.30745	-1.31345
-0.08	-1.10216	-1.15492	-1.20068	-1.23999	-1.27334	-1.30116	-1.32382	-1.34167	-1.35499	-1.36405	-1.36910
-0.06	-1.16741	-1.22004	-1.26545	-1.30424	-1.33695	-1.36401	-1.38582	-1.40275	-1.41509	-1.42312	-1.42710
-0.04	-1.23731	-1.28944	-1.33418	-1.37218	-1.40399	-1.43008	-1.45086	-1.46669	-1.47790	-1.48476	-1.48753
-0.02	-1.31218	-1.36339	-1.40711	-1.44400	-1.47464	-1.49951	-1.51905	-1.53360	-1.54351	-1.54905	-1.55048
0.00	-1.39234	-1.44215	-1.48444	-1.51988	-1.54906	-1.57246	-1.59052	-1.60359	-1.61202	-1.61608	-1.61603
0.02	-1.27802	-1.32591	-1.36633	-1.39996	-1.42736	-1.44901	-1.46535	-1.47673	-1.48349	-1.48590	-1.48422
0.04	-1.16897	-1.21447	-1.25262	-1.28409	-1.30941	-1.32906	-1.34345	-1.35294	-1.35785	-1.35845	-1.35500
0.06	-1.06487	-1.10755	-1.14308	-1.17207	-1.19504	-1.21245	-1.22469	-1.23210	-1.23499	-1.23363	-1.22827
0.08	-0.96539	-1.00489	-1.03747	-1.06371	-1.08409	-1.09903	-1.10892	-1.11408	-1.11480	-1.11135	-1.10396
0.10	-0.87021	-0.90620	-0.93556	-0.95880	-0.97636	-0.98865	-0.99602	-0.99877	-0.99718	-0.99151	-0.98196
0.12	-0.77901	-0.81123	-0.83713	-0.85715	-0.87170	-0.88116	-0.88584	-0.88604	-0.88201	-0.87400	-0.86220
0.14	-0.69151	-0.71973	-0.74195	-0.75857	-0.76994	-0.77641	-0.77827	-0.77578	-0.76920	-0.75873	-0.74458
0.16	-0.60741	-0.63145	-0.64982	-0.66287	-0.67092	-0.67425	-0.67316	-0.66787	-0.65862	-0.64561	-0.62901
0.18	-0.52645	-0.54816	-0.56054	-0.56988	-0.57446	-0.57455	-0.57039	-0.56220	-0.55019	-0.53454	-0.51542
0.20	-0.44838	-0.46364	-0.47391	-0.47942	-0.48043	-0.47716	-0.46983	-0.45865	-0.44379	-0.42542	-0.40371
0.22	-0.37296	-0.38368	-0.38974	-0.39133	-0.38867	-0.38195	-0.37137	-0.35710	-0.33932	-0.31817	-0.29379
0.24	-0.29997	-0.30608	-0.30785	-0.30544	-0.29903	-0.28879	-0.27488	-0.25746	-0.23668	-0.21268	-0.18558
0.26	-0.22921	-0.23066	-0.22808	-0.22160	-0.21138	-0.19754	-0.18024	-0.15961	-0.13578	-0.10887	-0.07900
0.28	-0.16048	-0.15723	-0.15026	-0.13967	-0.12557	-0.10809	-0.08734	-0.06344	-0.03651	-0.00665	0.02604
0.30	-0.09360	-0.08564	-0.07425	-0.05950	-0.04149	-0.02031	0.00393	0.03114	0.06121	0.09407	0.12962
0.32	-0.02840	-0.01572	0.00011	0.01905	0.04100	0.06591	0.09368	0.12424	0.15750	0.19338	0.23182
0.34	0.03526	0.05267	0.07296	0.09609	0.12202	0.15068	0.18202	0.21595	0.25242	0.29137	0.33273
0.36	0.09755	0.11968	0.14442	0.17177	0.20169	0.23413	0.26904	0.30638	0.34609	0.38811	0.43241
0.38	0.15859	0.18543	0.21463	0.24620	0.28011	0.31634	0.35486	0.39561	0.43858	0.48370	0.53096
0.40	0.21852	0.25004	0.28370	0.31948	0.35740	0.39743	0.43956	0.48375	0.52998	0.57822	0.62845
0.42	0.27746	0.31366	0.35175	0.39175	0.43367	0.47750	0.52324	0.57088	0.62038	0.67175	0.72495
0.44	0.33553	0.37637	0.41888	0.46309	0.50901	0.55665	0.60601	0.65708	0.70987	0.76436	0.82055
0.46	0.39283	0.43830	0.48522	0.53363	0.58354	0.63497	0.68794	0.74246	0.79852	0.85614	0.91531
0.48	0.44949	0.49956	0.55087	0.60345	0.65734	0.71256	0.76914	0.82709	0.88643	0.94717	1.00932
0.50	0.50560	0.56024	0.61592	0.67266	0.73052	0.78951	0.84969	0.91107	0.97367	1.03752	1.10265
0.52	0.56126	0.62046	0.68047	0.74136	0.80316	0.86592	0.92968	0.99447	1.06032	1.12728	1.19537
0.54	0.61658	0.68030	0.74464	0.80964	0.87537	0.94187	1.00919	1.07738	1.14647	1.21652	1.28755
0.56	0.67165	0.73987	0.80851	0.87761	0.94724	1.01745	1.08832	1.15988	1.23219	1.30531	1.37927
0.58	0.72658	0.79928	0.87218	0.94535	1.01885	1.09276	1.16715	1.24206	1.31757	1.39373	1.47061
0.60	0.78146	0.85861	0.93575	1.01296	1.09031	1.16789	1.24576	1.32400	1.40268	1.48187	1.56162
0.62	0.83641	0.91797	0.99932	1.08054	1.16171	1.24292	1.32425	1.40579	1.48760	1.56978	1.50332
0.64	0.89151	0.97746	1.06299	1.14818	1.23313	1.31794	1.40270	1.48749	1.57242	1.50854	1.44665
0.66	0.94689	1.03720	1.12686	1.21599	1.30469	1.39305	1.48119	1.56921	1.50824	1.44912	1.39161
0.68	1.00264	1.09727	1.19104	1.28406	1.37646	1.46834	1.55982	1.50211	1.44610	1.39152	1.33820
0.70	1.05889	1.15780	1.25563	1.35250	1.44855	1.54390	1.48983	1.43729	1.38599	1.33574	1.28640
0.72	1.11575	1.21890	1.32075	1.42141	1.52106	1.47105	1.42238	1.37473	1.32790	1.28176	1.23622
0.74	1.17335	1.28070	1.38650	1.49090	1.44540	1.40103	1.35744	1.31442	1.27181	1.22956	1.18763
0.76	1.23183	1.34331	1.45300	1.41250	1.37290	1.33381	1.29500	1.25631	1.21770	1.17913	1.14062
0.78	1.29132	1.40687	1.37191	1.33760	1.30350	1.26934	1.23500	1.20040	1.16554	1.13045	1.09518
0.80	1.35198	1.32318	1.29474	1.26616	1.23715	1.20758	1.17741	1.14663	1.11531	1.08350	1.05128
0.82	1.26578	1.24388	1.22142	1.19810	1.17379	1.14868	1.12218	1.09498	1.06697	1.03824	1.00891
0.84	1.18454	1.16887	1.15185	1.13334	1.11336	1.09197	1.06928	1.04541	1.02049	0.99466	0.96804
0.86	1.10809	1.09804	1.08593	1.07180	1.05578	1.03801	1.01865	0.99787	0.97584	0.95271	0.92864
0.88	1.03631	1.03126	1.02356	1.01340	1.00098	0.98653	0.97024	0.95233	0.93298	0.91238	0.89070
0.90	0.96903	0.96840	0.96464	0.95804	0.94839	0.93746	0.92399	0.90872	0.89186	0.87362	0.85417
0.92	0.90608	0.90931	0.90903	0.90562	0.89942	0.89073	0.87984	0.86700	0.85245	0.83640	0.81904
0.94	0.84728	0.85385	0.85663	0.85604	0.85248	0.84627	0.83773	0.82713	0.81470	0.80068	0.78526
0.96	0.79244	0.80187	0.80730	0.80920	0.80799	0.80402	0.79760	0.78904	0.77857	0.76642	0.75281
0.98	0.74137	0.75320	0.76091	0.76498	0.76585	0.76388	0.75939	0.75268	0.74400	0.73359	0.72165
1.00	0.69386	0.70769	0.71733	0.72328	0.72598	0.72578	0.72302	0.71800	0.71095	0.70213	0.69174

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(e) Continued. Half cone angle, 60.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.40	0.42	0.44	0.46	0.48	0.50	0.52	0.54	0.56	0.58	0.60
-0.20	-1.06783	-1.07370	-1.07634	-1.07588	-1.07245	-1.06619	-1.05720	-1.04559	-1.03147	-1.01494	-0.99608
-0.18	-1.11286	-1.11818	-1.12018	-1.11901	-1.11481	-1.10772	-1.09784	-1.08529	-1.07018	-1.05261	-1.03265
-0.16	-1.15987	-1.16454	-1.16584	-1.16389	-1.15887	-1.15088	-1.14006	-1.12652	-1.11037	-1.09170	-1.07061
-0.14	-1.20891	-1.21287	-1.21338	-1.21059	-1.20466	-1.19573	-1.18391	-1.16932	-1.15207	-1.13226	-1.10998
-0.12	-1.26008	-1.26323	-1.26287	-1.25917	-1.25226	-1.24231	-1.22943	-1.21373	-1.19534	-1.17434	-1.15082
-0.10	-1.31345	-1.31570	-1.31438	-1.30967	-1.30173	-1.29068	-1.27667	-1.25982	-1.24022	-1.21798	-1.19318
-0.08	-1.36910	-1.37034	-1.36797	-1.36218	-1.35310	-1.34090	-1.32570	-1.30761	-1.28675	-1.26322	-1.23709
-0.06	-1.42710	-1.42723	-1.42371	-1.41674	-1.40645	-1.39302	-1.37655	-1.35717	-1.33499	-1.31011	-1.28260
-0.04	-1.48753	-1.48643	-1.48167	-1.47342	-1.46184	-1.44708	-1.42928	-1.40854	-1.38498	-1.35869	-1.32975
-0.02	-1.55048	-1.54803	-1.54190	-1.53228	-1.51931	-1.50315	-1.48394	-1.46177	-1.43677	-1.40901	-1.37859
0.00	-1.61603	-1.61210	-1.60449	-1.59338	-1.57893	-1.56128	-1.54057	-1.51691	-1.49040	-1.46112	-1.42916
0.02	-1.48422	-1.47867	-1.46946	-1.45676	-1.44073	-1.42150	-1.39922	-1.37398	-1.34590	-1.31504	-1.28149
0.04	-1.35500	-1.34771	-1.33678	-1.32238	-1.30467	-1.28378	-1.25985	-1.23297	-1.20324	-1.17075	-1.13555
0.06	-1.22827	-1.21912	-1.20636	-1.19016	-1.17069	-1.14806	-1.12240	-1.09381	-1.06239	-1.02821	-0.99133
0.08	-1.10396	-1.09282	-1.07813	-1.06005	-1.03873	-1.01428	-0.98683	-0.95648	-0.92330	-0.88738	-0.84877
0.10	-0.98196	-0.96875	-0.95203	-0.93198	-0.90873	-0.88239	-0.85309	-0.82091	-0.78593	-0.74823	-0.70785
0.12	-0.86220	-0.84680	-0.82798	-0.80587	-0.78062	-0.75233	-0.72112	-0.68706	-0.65024	-0.61071	-0.56854
0.14	-0.74458	-0.72692	-0.70590	-0.68167	-0.65435	-0.62405	-0.59087	-0.55489	-0.51617	-0.47479	-0.43078
0.16	-0.62901	-0.60900	-0.58572	-0.55930	-0.52985	-0.49748	-0.46229	-0.42434	-0.38370	-0.34042	-0.29455
0.18	-0.51542	-0.49298	-0.46737	-0.43869	-0.40706	-0.37258	-0.33532	-0.29536	-0.25276	-0.20756	-0.15981
0.20	-0.40371	-0.37878	-0.35077	-0.31978	-0.28592	-0.24927	-0.20991	-0.16791	-0.12332	-0.07618	-0.02652
0.22	-0.29379	-0.26631	-0.23584	-0.20250	-0.16636	-0.12751	-0.08602	-0.04194	0.00468	0.05379	0.10537
0.24	-0.18558	-0.15550	-0.12253	-0.08678	-0.04832	-0.00723	0.03643	0.08261	0.13127	0.18237	0.23589
0.26	-0.07900	-0.04626	-0.01075	0.02745	0.06826	0.11162	0.15748	0.20579	0.25651	0.30962	0.36509
0.28	0.02604	0.06147	0.09957	0.14025	0.18344	0.22911	0.27719	0.32765	0.38045	0.43558	0.49301
0.30	0.12962	0.16779	0.20850	0.25168	0.29730	0.34529	0.39561	0.44823	0.50313	0.56029	0.61970
0.32	0.23182	0.27275	0.31610	0.36183	0.40988	0.46021	0.51280	0.56760	0.62461	0.68381	0.74519
0.34	0.33273	0.37644	0.42247	0.47075	0.52126	0.57395	0.62881	0.68581	0.74493	0.80617	0.86953
0.36	0.43241	0.47894	0.52765	0.57851	0.63149	0.68656	0.74370	0.80290	0.86415	0.92744	0.99278
0.38	0.53096	0.58031	0.63173	0.68518	0.74064	0.79809	0.85753	0.91894	0.98231	1.04765	1.11497
0.40	0.62845	0.68064	0.73477	0.79081	0.84877	0.90862	0.97035	1.03396	1.09946	1.16685	1.23615
0.42	0.72495	0.77999	0.83684	0.89549	0.95594	1.01818	1.08221	1.14804	1.21567	1.28510	1.20698
0.44	0.82055	0.87843	0.93801	0.99927	1.06222	1.12685	1.19318	1.26122	1.33097	1.25308	1.17813
0.46	0.91531	0.97605	1.03835	1.10221	1.16766	1.23469	1.30331	1.37355	1.29608	1.22147	1.14959
0.48	1.00932	1.07290	1.13792	1.20439	1.27233	1.34174	1.41266	1.33578	1.26170	1.19027	1.12138
0.50	1.10265	1.16907	1.23680	1.30586	1.37628	1.44808	1.37199	1.29862	1.22783	1.15950	1.09353
0.52	1.19537	1.26461	1.33505	1.40670	1.47959	1.40450	1.33205	1.26209	1.19450	1.12917	1.06603
0.54	1.28755	1.35961	1.43273	1.50695	1.43308	1.36177	1.29285	1.22620	1.16171	1.09930	1.03891
0.56	1.37927	1.45413	1.52993	1.45751	1.38756	1.31990	1.25440	1.19095	1.12947	1.06989	1.01217
0.58	1.47061	1.54824	1.47753	1.40919	1.34303	1.27891	1.21672	1.15637	1.09780	1.04097	0.98584
0.60	1.56162	1.49289	1.42642	1.36200	1.29950	1.23880	1.17980	1.12246	1.06671	1.01254	0.95991
0.62	1.50332	1.43899	1.37659	1.31596	1.25698	1.19957	1.14367	1.08922	1.03620	0.98460	0.93440
0.64	1.44665	1.38655	1.32806	1.27107	1.21548	1.16124	1.10831	1.05667	1.00629	0.95717	0.90932
0.66	1.39161	1.33556	1.28082	1.22732	1.17499	1.12381	1.07375	1.02480	0.97697	0.93026	0.88468
0.68	1.33820	1.28601	1.23487	1.18472	1.13553	1.08728	1.03998	0.99364	0.94826	0.90386	0.86047
0.70	1.28640	1.23791	1.19020	1.14326	1.09708	1.05166	1.00701	0.96317	0.92015	0.87799	0.83672
0.72	1.23622	1.19124	1.14682	1.10295	1.05964	1.01693	0.97484	0.93340	0.89266	0.85266	0.81343
0.74	1.18763	1.14601	1.10471	1.06377	1.02322	0.98310	0.94346	0.90434	0.86579	0.82786	0.79059
0.76	1.14062	1.10219	1.06387	1.02573	0.98781	0.95018	0.91288	0.87598	0.83953	0.80359	0.76822
0.78	1.09518	1.05977	1.02429	0.98881	0.95341	0.91814	0.88309	0.84832	0.81389	0.77987	0.74632
0.80	1.05128	1.01873	0.98595	0.95300	0.91999	0.88700	0.85409	0.82136	0.78886	0.75668	0.72488
0.82	1.00891	0.97907	0.94883	0.91830	0.88757	0.85673	0.82588	0.79509	0.76446	0.73404	0.70392
0.84	0.96804	0.94075	0.91293	0.88468	0.85612	0.82734	0.79844	0.76952	0.74066	0.71194	0.68344
0.86	0.92864	0.90377	0.87822	0.85214	0.82563	0.79881	0.77178	0.74464	0.71748	0.69038	0.66342
0.88	0.89070	0.86808	0.84469	0.82066	0.79610	0.77114	0.74589	0.72045	0.69491	0.66936	0.64388
0.90	0.85417	0.83368	0.81232	0.79021	0.76750	0.74431	0.72075	0.69692	0.67293	0.64887	0.62481
0.92	0.81904	0.80054	0.78108	0.76080	0.73983	0.71831	0.69636	0.67407	0.65156	0.62891	0.60621
0.94	0.78526	0.76863	0.75095	0.73239	0.71307	0.69314	0.67270	0.65188	0.63077	0.60947	0.58807
0.96	0.75281	0.73791	0.72191	0.70496	0.68720	0.66876	0.64977	0.63034	0.61057	0.59056	0.57040
0.98	0.72165	0.70837	0.69394	0.67850	0.66220	0.64518	0.62756	0.60945	0.59095	0.57216	0.55318
1.00	0.69174	0.67998	0.66700	0.65298	0.63806	0.62238	0.60604	0.58918	0.57189	0.55428	0.53642

TABLE II. - Continued. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(e) Continued. Half cone angle, 60.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.60	0.62	0.64	0.66	0.68	0.70	0.72	0.74	0.76	0.78	0.80
-0.20	-0.99608	-0.97499	-0.95175	-0.92645	-0.89916	-0.86997	-0.83896	-0.80622	-0.77185	-0.73594	-0.69863
-0.18	-1.03265	-1.01041	-0.98597	-0.95941	-0.93080	-0.90023	-0.86777	-0.83351	-0.79752	-0.75992	-0.72079
-0.16	-1.07061	-1.04718	-1.02149	-0.99363	-0.96366	-0.93167	-0.89772	-0.86188	-0.82424	-0.78489	-0.74391
-0.14	-1.10998	-1.08532	-1.05835	-1.02914	-0.99778	-0.96432	-0.92884	-0.89140	-0.85207	-0.81092	-0.76803
-0.12	-1.15082	-1.12488	-1.09658	-1.06600	-1.03320	-0.99825	-0.96120	-0.92211	-0.88105	-0.83806	-0.79322
-0.10	-1.19318	-1.16591	-1.13624	-1.10424	-1.06997	-1.03348	-0.99483	-0.95407	-0.91124	-0.86638	-0.81955
-0.08	-1.23709	-1.20845	-1.17737	-1.14391	-1.10813	-1.07008	-1.02980	-0.98733	-0.94270	-0.89594	-0.84709
-0.06	-1.28260	-1.25264	-1.22001	-1.18505	-1.14773	-1.10808	-1.06614	-1.02194	-0.97549	-0.92681	-0.87591
-0.04	-1.32975	-1.29823	-1.26420	-1.22772	-1.18882	-1.14754	-1.10391	-1.05795	-1.00966	-0.95905	-0.90609
-0.02	-1.37859	-1.34556	-1.31000	-1.27194	-1.23143	-1.18849	-1.14315	-1.09542	-1.04528	-0.99272	-0.93770
0.00	-1.42916	-1.39458	-1.35743	-1.31776	-1.27561	-1.23100	-1.18392	-1.13440	-1.08239	-1.02788	-0.97080
0.02	-1.28149	-1.24530	-1.20654	-1.16523	-1.12140	-1.07508	-1.02625	-0.97492	-0.92105	-0.86459	-0.80547
0.04	-1.13555	-1.09772	-1.05730	-1.01431	-0.96879	-0.92074	-0.87015	-0.81701	-0.76127	-0.70287	-0.64173
0.06	-0.99133	-0.95181	-0.90969	-0.86500	-0.81776	-0.76796	-0.71560	-0.66064	-0.60305	-0.54273	-0.47960
0.08	-0.84877	-0.80753	-0.76369	-0.71727	-0.66828	-0.61673	-0.56259	-0.50583	-0.44639	-0.38418	-0.31909
0.10	-0.70785	-0.66486	-0.61926	-0.57109	-0.52035	-0.46704	-0.41112	-0.35256	-0.29128	-0.22721	-0.16021
0.12	-0.56854	-0.52375	-0.47638	-0.42645	-0.37394	-0.31886	-0.26116	-0.20081	-0.13773	-0.07182	-0.00296
0.14	-0.43078	-0.38419	-0.33502	-0.28330	-0.22903	-0.17217	-0.11270	-0.05057	0.01429	0.08200	0.15266
0.16	-0.29455	-0.24612	-0.19515	-0.14164	-0.08558	-0.02695	0.03427	0.09816	0.16479	0.23425	0.30668
0.18	-0.15981	-0.10953	-0.05673	-0.00141	0.05643	0.11682	0.17980	0.24543	0.31378	0.38496	0.45910
0.20	-0.02652	0.02564	0.08027	0.13740	0.19702	0.25917	0.32389	0.39124	0.46129	0.53416	0.60995
0.22	0.10537	0.15941	0.21589	0.27482	0.33623	0.40013	0.46658	0.53562	0.60735	0.68186	0.60972
0.24	0.23589	0.29182	0.35016	0.41091	0.47409	0.53973	0.60789	0.67862	0.75199	0.67857	0.60890
0.26	0.36509	0.42293	0.48312	0.54568	0.61063	0.67801	0.74786	0.82024	0.74571	0.67480	0.60751
0.28	0.49301	0.55276	0.61481	0.67918	0.74590	0.81500	0.88653	0.81104	0.73905	0.67055	0.60557
0.30	0.61970	0.68135	0.74526	0.81144	0.87992	0.95073	0.87443	0.80154	0.73201	0.66586	0.60309
0.32	0.74619	0.80876	0.87453	0.94251	1.01273	0.93577	0.86212	0.79174	0.72461	0.66073	0.60011
0.34	0.86953	0.93502	1.00264	1.07242	0.99493	0.92068	0.84961	0.78168	0.71688	0.65519	0.59664
0.36	0.99278	1.06017	1.12964	1.05177	0.97708	0.90547	0.83692	0.77137	0.70882	0.64926	0.59272
0.38	1.11497	1.18427	1.10617	1.03117	0.95919	0.89017	0.82405	0.76082	0.70046	0.64297	0.58837
0.40	1.23615	1.15796	1.08281	1.01061	0.94129	0.87477	0.81104	0.75006	0.69183	0.63634	0.58362
0.42	1.20698	1.13185	1.05959	0.99012	0.92338	0.85932	0.79790	0.73910	0.68293	0.62939	0.57848
0.44	1.17813	1.10597	1.03653	0.96972	0.90549	0.84381	0.78464	0.72797	0.67381	0.62214	0.57300
0.46	1.14959	1.08034	1.01363	0.94941	0.88764	0.82827	0.77129	0.71668	0.66446	0.61463	0.56719
0.48	1.12138	1.05496	0.99092	0.92922	0.86983	0.81271	0.75785	0.70526	0.65492	0.60686	0.56108
0.50	1.09353	1.02985	0.96840	0.90916	0.85208	0.79715	0.74436	0.69371	0.64521	0.59887	0.55469
0.52	1.06603	1.00502	0.94610	0.88924	0.83441	0.78161	0.73083	0.68207	0.63535	0.59067	0.54805
0.54	1.03891	0.98050	0.92403	0.86948	0.81683	0.76610	0.71727	0.67035	0.62535	0.58229	0.54118
0.56	1.01217	0.95628	0.90219	0.84989	0.79937	0.75063	0.70369	0.65856	0.61524	0.57374	0.53410
0.58	0.98584	0.93239	0.88060	0.83048	0.78202	0.73523	0.69013	0.64672	0.60503	0.56506	0.52683
0.60	0.95991	0.90883	0.85928	0.81127	0.76481	0.71991	0.67659	0.63486	0.59474	0.55625	0.51940
0.62	0.93440	0.88561	0.83823	0.79227	0.74775	0.70468	0.66308	0.62298	0.58439	0.54733	0.51183
0.64	0.90932	0.86275	0.81747	0.77349	0.73085	0.68955	0.64963	0.61110	0.57399	0.53833	0.50412
0.66	0.88468	0.84025	0.79700	0.75495	0.71412	0.67454	0.63624	0.59924	0.56357	0.52925	0.49631
0.68	0.86047	0.81812	0.77684	0.73664	0.69757	0.65966	0.62293	0.58741	0.55313	0.52012	0.48840
0.70	0.83672	0.79638	0.75699	0.71859	0.68122	0.64491	0.60970	0.57562	0.54269	0.51095	0.48042
0.72	0.81343	0.77501	0.73746	0.70080	0.66507	0.63032	0.59658	0.56389	0.53227	0.50176	0.47238
0.74	0.79059	0.75404	0.71825	0.68327	0.64914	0.61589	0.58358	0.55222	0.52187	0.49255	0.46429
0.76	0.76822	0.73347	0.69938	0.66602	0.63342	0.60163	0.57069	0.54064	0.51152	0.48335	0.45617
0.78	0.74632	0.71329	0.68085	0.64905	0.61793	0.58755	0.55794	0.52915	0.50121	0.47416	0.44802
0.80	0.72488	0.69353	0.66267	0.63237	0.60268	0.57365	0.54533	0.51775	0.49096	0.46499	0.43988
0.82	0.70392	0.67417	0.64483	0.61598	0.58767	0.55995	0.53287	0.50647	0.48079	0.45586	0.43173
0.84	0.68344	0.65522	0.62735	0.59989	0.57291	0.54645	0.52056	0.49530	0.47069	0.44678	0.42360
0.86	0.66342	0.63668	0.61022	0.58410	0.55840	0.53316	0.50842	0.48425	0.46068	0.43775	0.41550
0.88	0.64388	0.61855	0.59344	0.56862	0.54415	0.52007	0.49646	0.47334	0.45077	0.42879	0.40743
0.90	0.62481	0.60084	0.57703	0.55344	0.53015	0.50721	0.48466	0.46257	0.44097	0.41990	0.39940
0.92	0.60621	0.58353	0.56097	0.53858	0.51642	0.49456	0.47305	0.45194	0.43127	0.41109	0.39143
0.94	0.58807	0.56664	0.54527	0.52402	0.50296	0.48214	0.46163	0.44146	0.42170	0.40237	0.38351
0.96	0.57040	0.55016	0.52993	0.50978	0.48976	0.46995	0.45039	0.43114	0.41224	0.39374	0.37566
0.98	0.55318	0.53408	0.51495	0.49584	0.47684	0.45799	0.43935	0.42098	0.40292	0.38521	0.36788
1.00	0.53642	0.51841	0.50032	0.48222	0.46418	0.44626	0.42851	0.41098	0.39372	0.37678	0.36018

TABLE II. - Concluded. DIMENSIONLESS RADIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_r/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(e) Concluded. Half cone angle, 60.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.80	0.82	0.84	0.86	0.88	0.90	0.92	0.94	0.96	0.98	1.00
-0.20	-0.69863	-0.66003	-0.62034	-0.57974	-0.53851	-0.49697	-0.45555	-0.41476	-0.37522	-0.33761	-0.30255
-0.18	-0.72079	-0.68029	-0.63855	-0.59578	-0.55224	-0.50826	-0.46427	-0.42086	-0.37872	-0.33868	-0.30152
-0.16	-0.74391	-0.70142	-0.65757	-0.61253	-0.56655	-0.51996	-0.47320	-0.42690	-0.38187	-0.33909	-0.29958
-0.14	-0.76803	-0.72350	-0.67746	-0.63006	-0.58152	-0.53215	-0.48240	-0.43291	-0.38462	-0.33873	-0.29656
-0.12	-0.79322	-0.74660	-0.69830	-0.64846	-0.59724	-0.54494	-0.49195	-0.43896	-0.38697	-0.33746	-0.29223
-0.10	-0.81955	-0.77080	-0.72019	-0.66782	-0.61383	-0.55843	-0.50199	-0.44512	-0.38891	-0.33513	-0.28626
-0.08	-0.84709	-0.79617	-0.74321	-0.68826	-0.63141	-0.57280	-0.51268	-0.45157	-0.39051	-0.33157	-0.27821
-0.06	-0.87591	-0.82280	-0.76746	-0.70990	-0.65014	-0.58821	-0.52423	-0.45854	-0.39194	-0.32659	-0.26740
-0.04	-0.90609	-0.85077	-0.79304	-0.73286	-0.67016	-0.60486	-0.53693	-0.46639	-0.39358	-0.32015	-0.25265
-0.02	-0.93770	-0.88017	-0.82006	-0.75726	-0.69164	-0.62300	-0.55110	-0.47561	-0.39615	-0.31272	-0.23149
0.00	-0.97080	-0.91109	-0.84862	-0.78324	-0.71475	-0.64284	-0.56708	-0.48678	-0.40076	-0.30651	-0.19210
0.02	-0.80547	-0.74359	-0.67880	-0.61091	-0.53964	-0.46461	-0.38520	-0.30047	-0.20865	-0.10571	-0.12856
0.04	-0.64173	-0.57772	-0.51067	-0.44035	-0.36643	-0.28846	-0.20573	-0.11713	-0.02070	-0.06225	-0.08461
0.06	-0.47960	-0.41351	-0.34427	-0.27162	-0.19521	-0.11453	-0.02883	0.06300	0.01319	-0.02501	-0.04824
0.08	-0.31909	-0.25098	-0.17963	-0.10477	-0.02602	0.05712	0.14539	0.09025	0.04357	0.00732	-0.01688
0.10	-0.16021	-0.09013	-0.01676	0.06019	0.14109	0.22644	0.16734	0.11507	0.07078	0.03574	0.01073
0.12	-0.00296	0.06901	0.14431	0.22323	0.30611	0.24386	0.18745	0.13760	0.09517	0.06097	0.03532
0.14	0.15266	0.22646	0.30360	0.38436	0.31949	0.25982	0.20580	0.15801	0.11708	0.08351	0.05740
0.16	0.30668	0.38223	0.46112	0.39404	0.33168	0.27436	0.22247	0.17647	0.13680	0.10376	0.07732
0.18	0.45910	0.53634	0.46734	0.40272	0.34269	0.28754	0.23757	0.19315	0.15457	0.12200	0.09536
0.20	0.60995	0.53927	0.47272	0.41042	0.35258	0.29943	0.25121	0.20819	0.17059	0.13848	0.11173
0.22	0.60972	0.54150	0.47728	0.41719	0.36140	0.31009	0.26348	0.22175	0.18504	0.15337	0.12660
0.24	0.60890	0.54303	0.48104	0.42305	0.36918	0.31961	0.27448	0.23394	0.19807	0.16685	0.14013
0.26	0.60751	0.54390	0.48405	0.42804	0.37600	0.32804	0.28431	0.24488	0.20980	0.17904	0.15244
0.28	0.60557	0.54413	0.48632	0.43220	0.38189	0.33547	0.29304	0.25466	0.22035	0.19005	0.16362
0.30	0.60309	0.54375	0.48789	0.43559	0.38691	0.34195	0.30076	0.26338	0.22981	0.19999	0.17378
0.32	0.60011	0.54278	0.48881	0.43823	0.39112	0.34754	0.30754	0.27112	0.23828	0.20895	0.18298
0.34	0.59664	0.54126	0.48909	0.44018	0.39457	0.35231	0.31344	0.27795	0.24583	0.21699	0.19132
0.36	0.59272	0.53922	0.48879	0.44147	0.39730	0.35631	0.31853	0.28395	0.25253	0.22419	0.19884
0.38	0.58837	0.53668	0.48792	0.44214	0.39935	0.35959	0.32287	0.28916	0.25844	0.23062	0.20560
0.40	0.58362	0.53367	0.48654	0.44223	0.40078	0.36221	0.32650	0.29365	0.26362	0.23632	0.21167
0.42	0.57848	0.53023	0.48466	0.44179	0.40163	0.36420	0.32948	0.29747	0.26812	0.24135	0.21708
0.44	0.57300	0.52639	0.48233	0.44084	0.40193	0.36560	0.33186	0.30067	0.27199	0.24575	0.22188
0.46	0.56719	0.52216	0.47957	0.43942	0.40172	0.36647	0.33367	0.30328	0.27527	0.24958	0.22611
0.48	0.56108	0.51759	0.47641	0.43756	0.40103	0.36684	0.33495	0.30536	0.27801	0.25286	0.22981
0.50	0.55469	0.51269	0.47289	0.43530	0.39991	0.36673	0.33575	0.30693	0.28024	0.25563	0.23302
0.52	0.54805	0.50750	0.46903	0.43266	0.39838	0.36620	0.33609	0.30804	0.28200	0.25793	0.23576
0.54	0.54118	0.50203	0.46486	0.42968	0.39648	0.36526	0.33601	0.30871	0.28332	0.25979	0.23806
0.56	0.53410	0.49632	0.46040	0.42637	0.39422	0.36395	0.33554	0.30898	0.28423	0.26124	0.23996
0.58	0.52683	0.49037	0.45568	0.42277	0.39164	0.36229	0.33471	0.30887	0.28475	0.26230	0.24148
0.60	0.51940	0.48422	0.45072	0.41890	0.38877	0.36032	0.33354	0.30842	0.28492	0.26301	0.24264
0.62	0.51183	0.47789	0.44554	0.41479	0.38562	0.35805	0.33206	0.30764	0.28476	0.26338	0.24347
0.64	0.50412	0.47140	0.44017	0.41044	0.38223	0.35551	0.33030	0.30657	0.28429	0.26344	0.24399
0.66	0.49631	0.46476	0.43462	0.40590	0.37860	0.35273	0.32827	0.30521	0.28354	0.26322	0.24422
0.68	0.48840	0.45799	0.42891	0.40117	0.37477	0.34971	0.32599	0.30360	0.28252	0.26272	0.24417
0.70	0.48042	0.45112	0.42307	0.39627	0.37074	0.34649	0.32349	0.30176	0.28126	0.26197	0.24388
0.72	0.47238	0.44415	0.41710	0.39123	0.36655	0.34307	0.32079	0.29969	0.27977	0.26099	0.24335
0.74	0.46429	0.43710	0.41102	0.38605	0.36220	0.33949	0.31790	0.29743	0.27807	0.25980	0.24260
0.76	0.45617	0.42999	0.40485	0.38076	0.35772	0.33574	0.31483	0.29498	0.27617	0.25840	0.24165
0.78	0.44802	0.42283	0.39861	0.37536	0.35311	0.33186	0.31161	0.29236	0.27410	0.25682	0.24050
0.80	0.43988	0.41564	0.39230	0.36988	0.34840	0.32785	0.30825	0.28959	0.27187	0.25507	0.23919
0.82	0.43173	0.40842	0.38594	0.36433	0.34359	0.32373	0.30476	0.28668	0.26948	0.25316	0.23771
0.84	0.42360	0.40118	0.37954	0.35871	0.33869	0.31951	0.30116	0.28364	0.26696	0.25111	0.23608
0.86	0.41550	0.39394	0.37312	0.35304	0.33373	0.31520	0.29745	0.28049	0.26432	0.24893	0.23431
0.88	0.40743	0.38671	0.36668	0.34734	0.32871	0.31082	0.29366	0.27724	0.26156	0.24662	0.23241
0.90	0.39940	0.37950	0.36023	0.34160	0.32364	0.30637	0.28978	0.27389	0.25870	0.24421	0.23040
0.92	0.39143	0.37231	0.35378	0.33585	0.31854	0.30186	0.28584	0.27047	0.25575	0.24169	0.22828
0.94	0.38351	0.36516	0.34734	0.33008	0.31340	0.29732	0.28183	0.26697	0.25272	0.23908	0.22607
0.96	0.37566	0.35805	0.34092	0.32432	0.30825	0.29273	0.27778	0.26341	0.24961	0.23640	0.22376
0.98	0.36788	0.35098	0.33453	0.31856	0.30308	0.28812	0.27369	0.25979	0.24644	0.23363	0.22138
1.00	0.36018	0.34397	0.32817	0.31281	0.29791	0.28349	0.26956	0.25613	0.24321	0.23081	0.21892

TABLE III. - DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ H_z/NCL$, FOR FIELD POINT INCREMENTS OF 0.05

(a) Half cone angle, 15.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50
-1.00	0.00490	0.00490	0.00489	0.00488	0.00487	0.00485	0.00483	0.00481	0.00478	0.00475	0.00471
-0.95	0.00559	0.00559	0.00558	0.00557	0.00555	0.00553	0.00550	0.00547	0.00544	0.00540	0.00535
-0.90	0.00641	0.00641	0.00640	0.00639	0.00636	0.00634	0.00630	0.00627	0.00622	0.00617	0.00612
-0.85	0.00741	0.00740	0.00739	0.00737	0.00735	0.00731	0.00727	0.00722	0.00717	0.00710	0.00703
-0.80	0.00862	0.00862	0.00860	0.00858	0.00854	0.00850	0.00844	0.00838	0.00831	0.00823	0.00814
-0.75	0.01011	0.01011	0.01009	0.01005	0.01001	0.00995	0.00988	0.00980	0.00971	0.00960	0.00949
-0.70	0.01197	0.01196	0.01194	0.01189	0.01183	0.01176	0.01167	0.01156	0.01143	0.01130	0.01115
-0.65	0.01431	0.01430	0.01427	0.01421	0.01413	0.01403	0.01390	0.01376	0.01359	0.01341	0.01321
-0.60	0.01731	0.01729	0.01724	0.01716	0.01705	0.01691	0.01675	0.01655	0.01633	0.01608	0.01581
-0.55	0.02119	0.02117	0.02110	0.02099	0.02084	0.02065	0.02041	0.02014	0.01983	0.01949	0.01911
-0.50	0.02632	0.02629	0.02620	0.02604	0.02582	0.02555	0.02522	0.02483	0.02439	0.02391	0.02338
-0.45	0.03323	0.03319	0.03305	0.03282	0.03251	0.03210	0.03162	0.03106	0.03043	0.02974	0.02898
-0.40	0.04275	0.04268	0.04247	0.04213	0.04166	0.04106	0.04034	0.03951	0.03858	0.03755	0.03644
-0.35	0.05618	0.05607	0.05575	0.05523	0.05450	0.05358	0.05248	0.05121	0.04979	0.04823	0.04655
-0.30	0.07567	0.07550	0.07499	0.07415	0.07300	0.07154	0.06980	0.06781	0.06558	0.06315	0.06055
-0.25	0.10485	0.10457	0.10373	0.10235	0.10045	0.09807	0.09523	0.09198	0.08838	0.08447	0.08031
-0.20	0.15007	0.14959	0.14815	0.14580	0.14256	0.13851	0.13371	0.12824	0.12221	0.11571	0.10884
-0.15	0.22291	0.22205	0.21948	0.21527	0.20952	0.20234	0.19390	0.18437	0.17392	0.16275	0.15104
-0.10	0.34578	0.34411	0.33915	0.33110	0.32021	0.30682	0.29128	0.27397	0.25525	0.23547	0.21497
-0.05	0.56825	0.56423	0.55261	0.53446	0.51106	0.48359	0.45304	0.42021	0.38572	0.35012	0.31386
0.00	1.11379	1.04703	0.98071	0.91486	0.84946	0.78453	0.72008	0.65613	0.59269	0.52980	0.46747
0.05	1.64693	1.51740	1.39633	1.28266	1.17510	1.07250	0.97388	0.87847	0.78567	0.69496	0.60595
0.10	1.83335	1.70142	1.57352	1.44947	1.32900	1.21179	1.09749	0.98573	0.87616	0.76842	0.66219
0.15	1.89946	1.76666	1.63616	1.50792	1.38183	1.25777	1.13557	1.01507	0.89608	0.77839	0.66180
0.20	1.89854	1.76529	1.63347	1.50305	1.37398	1.24621	1.11965	0.99420	0.86977	0.74624	0.62350
0.25	1.85654	1.72304	1.59046	1.45879	1.32802	1.19809	1.06898	0.94062	0.81296	0.68593	0.55947
0.30	1.78802	1.65436	1.52133	1.38892	1.25711	1.12589	0.99523	0.86509	0.73545	0.60627	0.47750
0.35	1.70164	1.56789	1.43458	1.30170	1.16925	1.03721	0.90558	0.77433	0.64344	0.51288	0.38265
0.40	1.60276	1.46895	1.33546	1.20228	1.06942	0.93686	0.80460	0.67263	0.54092	0.40948	0.27827
0.45	1.49481	1.36096	1.22735	1.09398	0.96084	0.82794	0.69526	0.56280	0.43056	0.29851	0.16666
0.50	1.38004	1.24616	1.11247	0.97896	0.84564	0.71251	0.57955	0.44676	0.31415	0.18169	0.04940
0.55	1.25996	1.12606	0.99231	0.85872	0.72527	0.59197	0.45882	0.32581	0.19293	0.06020	0.05302
0.60	1.13561	1.00170	0.86791	0.73425	0.60072	0.46731	0.33402	0.20085	0.06780	0.06034	0.05382
0.65	1.00771	0.87379	0.73998	0.60627	0.47268	0.33919	0.20581	0.07253	0.06490	0.05828	0.05247
0.70	0.87675	0.74283	0.60900	0.47527	0.34163	0.20809	0.07465	0.06692	0.06031	0.05456	0.04950
0.75	0.74306	0.60914	0.47530	0.34155	0.20789	0.07432	0.06658	0.06009	0.05451	0.04965	0.04536
0.80	0.60683	0.47290	0.33906	0.20531	0.07164	0.06396	0.05771	0.05245	0.04792	0.04395	0.04043
0.85	0.46807	0.33414	0.20031	0.06658	0.05907	0.05324	0.04847	0.04442	0.04092	0.03783	0.03507
0.90	0.32662	0.19270	0.05890	0.05178	0.04666	0.04264	0.03931	0.03644	0.03393	0.03168	0.02964
0.95	0.18184	0.04796	0.04177	0.03799	0.03516	0.03283	0.03081	0.02902	0.02739	0.02589	0.02450
1.00	0.03012	0.02897	0.02785	0.02676	0.02571	0.02468	0.02368	0.02271	0.02176	0.02085	0.01997
1.05	0.02015	0.02008	0.01990	0.01961	0.01924	0.01882	0.01835	0.01785	0.01732	0.01679	0.01624
1.10	0.01545	0.01542	0.01534	0.01521	0.01504	0.01482	0.01457	0.01429	0.01398	0.01365	0.01331
1.15	0.01236	0.01234	0.01230	0.01222	0.01212	0.01199	0.01184	0.01167	0.01147	0.01126	0.01104
1.20	0.01014	0.01013	0.01010	0.01005	0.00999	0.00990	0.00980	0.00969	0.00956	0.00942	0.00926
1.25	0.00847	0.00847	0.00845	0.00841	0.00837	0.00831	0.00824	0.00816	0.00807	0.00797	0.00786
1.30	0.00718	0.00717	0.00716	0.00714	0.00710	0.00706	0.00701	0.00695	0.00689	0.00681	0.00673
1.35	0.00615	0.00615	0.00614	0.00612	0.00610	0.00606	0.00603	0.00598	0.00593	0.00588	0.00582
1.40	0.00532	0.00532	0.00531	0.00530	0.00528	0.00526	0.00523	0.00519	0.00516	0.00511	0.00507
1.45	0.00464	0.00464	0.00463	0.00462	0.00461	0.00459	0.00457	0.00454	0.00451	0.00448	0.00444
1.50	0.00408	0.00407	0.00407	0.00406	0.00405	0.00404	0.00402	0.00400	0.00397	0.00395	0.00392
1.55	0.00360	0.00360	0.00360	0.00359	0.00358	0.00357	0.00356	0.00354	0.00352	0.00350	0.00347
1.60	0.00320	0.00320	0.00320	0.00319	0.00318	0.00317	0.00316	0.00315	0.00313	0.00312	0.00310
1.65	0.00286	0.00286	0.00285	0.00285	0.00284	0.00284	0.00283	0.00282	0.00280	0.00279	0.00277
1.70	0.00256	0.00256	0.00256	0.00256	0.00255	0.00255	0.00254	0.00253	0.00252	0.00251	0.00249
1.75	0.00231	0.00231	0.00231	0.00231	0.00230	0.00230	0.00229	0.00228	0.00227	0.00226	0.00225
1.80	0.00209	0.00209	0.00209	0.00208	0.00208	0.00208	0.00207	0.00207	0.00206	0.00205	0.00204
1.85	0.00190	0.00190	0.00189	0.00189	0.00189	0.00189	0.00188	0.00188	0.00187	0.00186	0.00185
1.90	0.00173	0.00173	0.00172	0.00172	0.00172	0.00172	0.00171	0.00171	0.00170	0.00170	0.00169
1.95	0.00158	0.00158	0.00158	0.00157	0.00157	0.00157	0.00157	0.00156	0.00156	0.00155	0.00155
2.00	0.00144	0.00144	0.00144	0.00144	0.00144	0.00144	0.00143	0.00143	0.00143	0.00142	0.00142

TABLE III. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_z/\mu_0 JL$, FOR FIELD POINT INCREMENTS OF 0.05

(a) Continued. Half cone angle, 15.0.

Dimensionless axial position, ζ	Dimensionless radius, ρ										
	0.10	0.15	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00
-1.00	0.00471	0.00467	0.00463	0.00458	0.00454	0.00449	0.00443	0.00438	0.00432	0.00426	0.00419
-0.95	0.00535	0.00530	0.00525	0.00520	0.00514	0.00508	0.00501	0.00494	0.00487	0.00479	0.00472
-0.90	0.00612	0.00606	0.00599	0.00592	0.00585	0.00577	0.00569	0.00560	0.00551	0.00542	0.00533
-0.85	0.00703	0.00696	0.00688	0.00679	0.00669	0.00660	0.00649	0.00639	0.00627	0.00616	0.00604
-0.80	0.00814	0.00804	0.00794	0.00783	0.00771	0.00758	0.00745	0.00732	0.00718	0.00703	0.00688
-0.75	0.00949	0.00936	0.00923	0.00908	0.00893	0.00877	0.00860	0.00843	0.00825	0.00807	0.00788
-0.70	0.01115	0.01098	0.01081	0.01062	0.01042	0.01021	0.00999	0.00977	0.00954	0.00930	0.00906
-0.65	0.01321	0.01299	0.01276	0.01251	0.01225	0.01197	0.01169	0.01140	0.01109	0.01078	0.01047
-0.60	0.01581	0.01551	0.01520	0.01486	0.01451	0.01415	0.01377	0.01338	0.01298	0.01257	0.01216
-0.55	0.01911	0.01871	0.01827	0.01782	0.01734	0.01685	0.01634	0.01581	0.01528	0.01474	0.01419
-0.50	0.02338	0.02281	0.02221	0.02158	0.02092	0.02024	0.01954	0.01882	0.01810	0.01737	0.01664
-0.45	0.02898	0.02817	0.02731	0.02641	0.02548	0.02452	0.02355	0.02256	0.02156	0.02056	0.01957
-0.40	0.03644	0.03525	0.03400	0.03270	0.03136	0.02999	0.02861	0.02721	0.02581	0.02443	0.02306
-0.35	0.04655	0.04478	0.04291	0.04099	0.03902	0.03702	0.03501	0.03300	0.03101	0.02906	0.02715
-0.30	0.06055	0.05781	0.05496	0.05203	0.04906	0.04607	0.04310	0.04016	0.03728	0.03449	0.03178
-0.25	0.08031	0.07595	0.07147	0.06690	0.06231	0.05774	0.05324	0.04885	0.04461	0.04055	0.03669
-0.20	0.10884	0.10172	0.09443	0.08709	0.07979	0.07261	0.06565	0.05896	0.05260	0.04663	0.04107
-0.15	0.15104	0.13900	0.12680	0.11464	0.10269	0.09110	0.08002	0.06958	0.05988	0.05098	0.04294
-0.10	0.21497	0.19408	0.17311	0.15239	0.13220	0.11285	0.09463	0.07780	0.06258	0.04913	0.03752
-0.05	0.31386	0.27733	0.24092	0.20503	0.17007	0.13650	0.10490	0.07592	0.05034	0.02893	0.01223
0.00	0.46747	0.40576	0.34472	0.28439	0.22488	0.16629	0.10879	0.05264	-0.00173	-0.05337	-0.09774
0.05	0.60595	0.51827	0.43160	0.34559	0.25990	0.17413	0.08776	0.00014	-0.08958	-0.18244	-0.15425
0.10	0.66219	0.55714	0.45294	0.34929	0.24584	0.14228	0.03825	-0.06659	-0.17257	-0.15477	-0.13823
0.15	0.66180	0.54611	0.43110	0.31657	0.20231	0.08812	-0.02619	-0.14082	-0.13068	-0.12071	-0.11108
0.20	0.62350	0.50142	0.37989	0.25876	0.13793	0.01727	-0.10333	-0.09873	-0.09380	-0.08869	-0.08351
0.25	0.55947	0.43351	0.30796	0.18277	0.05785	-0.06687	-0.06619	-0.06494	-0.06326	-0.06123	-0.05896
0.30	0.47750	0.34911	0.22105	0.09327	-0.03426	-0.03631	-0.03769	-0.03850	-0.03883	-0.03877	-0.03838
0.35	0.38265	0.25270	0.12301	-0.00645	-0.01039	-0.01360	-0.01618	-0.01821	-0.01978	-0.02094	-0.02177
0.40	0.27827	0.14730	0.01653	0.01128	0.00681	0.00299	-0.00024	-0.00297	-0.00527	-0.00717	-0.00874
0.45	0.16666	0.03499	0.02885	0.02351	0.01885	0.01479	0.01125	0.00817	0.00550	0.00318	0.00118
0.50	0.04940	0.04264	0.03671	0.03150	0.02689	0.02282	0.01922	0.01602	0.01320	0.01070	0.00849
0.55	0.05302	0.04672	0.04115	0.03621	0.03182	0.02789	0.02438	0.02123	0.01841	0.01589	0.01362
0.60	0.05382	0.04807	0.04296	0.03840	0.03431	0.03063	0.02732	0.02433	0.02163	0.01918	0.01697
0.65	0.05247	0.04732	0.04273	0.03862	0.03491	0.03156	0.02852	0.02576	0.02325	0.02096	0.01887
0.70	0.04950	0.04500	0.04097	0.03734	0.03406	0.03108	0.02836	0.02588	0.02361	0.02153	0.01962
0.75	0.04536	0.04153	0.03808	0.03497	0.03214	0.02955	0.02719	0.02502	0.02302	0.02118	0.01948
0.80	0.04043	0.03727	0.03442	0.03183	0.02946	0.02729	0.02529	0.02344	0.02173	0.02015	0.01867
0.85	0.03507	0.03258	0.03031	0.02823	0.02632	0.02456	0.02292	0.02140	0.01998	0.01865	0.01742
0.90	0.02964	0.02778	0.02606	0.02447	0.02299	0.02161	0.02032	0.01911	0.01797	0.01689	0.01588
0.95	0.02450	0.02319	0.02197	0.02081	0.01972	0.01868	0.01770	0.01676	0.01588	0.01503	0.01423
1.00	0.01997	0.01911	0.01828	0.01747	0.01670	0.01595	0.01523	0.01453	0.01385	0.01320	0.01258
1.05	0.01624	0.01569	0.01515	0.01460	0.01406	0.01353	0.01301	0.01250	0.01200	0.01151	0.01103
1.10	0.01331	0.01296	0.01259	0.01222	0.01185	0.01148	0.01110	0.01073	0.01036	0.00999	0.00963
1.15	0.01104	0.01080	0.01055	0.01030	0.01003	0.00977	0.00949	0.00922	0.00895	0.00867	0.00840
1.20	0.00926	0.00910	0.00892	0.00874	0.00855	0.00836	0.00816	0.00795	0.00775	0.00754	0.00733
1.25	0.00786	0.00774	0.00761	0.00748	0.00734	0.00720	0.00705	0.00689	0.00674	0.00658	0.00642
1.30	0.00673	0.00664	0.00655	0.00645	0.00635	0.00624	0.00612	0.00601	0.00589	0.00576	0.00564
1.35	0.00582	0.00575	0.00568	0.00560	0.00552	0.00544	0.00535	0.00526	0.00517	0.00507	0.00497
1.40	0.00507	0.00501	0.00496	0.00490	0.00484	0.00477	0.00470	0.00463	0.00456	0.00448	0.00440
1.45	0.00444	0.00440	0.00436	0.00431	0.00426	0.00421	0.00415	0.00410	0.00404	0.00398	0.00391
1.50	0.00392	0.00389	0.00385	0.00381	0.00377	0.00373	0.00369	0.00364	0.00360	0.00355	0.00349
1.55	0.00347	0.00345	0.00342	0.00339	0.00336	0.00333	0.00329	0.00325	0.00321	0.00317	0.00313
1.60	0.00310	0.00308	0.00305	0.00303	0.00300	0.00298	0.00295	0.00292	0.00288	0.00285	0.00282
1.65	0.00277	0.00276	0.00274	0.00272	0.00270	0.00267	0.00265	0.00262	0.00260	0.00257	0.00254
1.70	0.00249	0.00248	0.00246	0.00245	0.00243	0.00241	0.00239	0.00237	0.00235	0.00232	0.00230
1.75	0.00225	0.00224	0.00223	0.00221	0.00220	0.00218	0.00217	0.00215	0.00213	0.00211	0.00209
1.80	0.00204	0.00203	0.00202	0.00201	0.00199	0.00198	0.00197	0.00195	0.00194	0.00192	0.00190
1.85	0.00185	0.00185	0.00184	0.00183	0.00182	0.00180	0.00179	0.00178	0.00177	0.00175	0.00174
1.90	0.00169	0.00168	0.00168	0.00167	0.00166	0.00165	0.00164	0.00163	0.00162	0.00160	0.00159
1.95	0.00155	0.00154	0.00153	0.00153	0.00152	0.00151	0.00150	0.00149	0.00148	0.00147	0.00146
2.00	0.00142	0.00141	0.00141	0.00140	0.00139	0.00139	0.00138	0.00137	0.00136	0.00135	0.00134

TABLE III. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(a) Continued. Half cone angle, 15.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50
-1.00	0.00419	0.00413	0.00406	0.00399	0.00392	0.00385	0.00378	0.00371	0.00363	0.00356	0.00348
-0.95	0.00472	0.00464	0.00455	0.00447	0.00439	0.00430	0.00421	0.00412	0.00403	0.00394	0.00385
-0.90	0.00533	0.00523	0.00513	0.00502	0.00492	0.00481	0.00471	0.00460	0.00449	0.00438	0.00427
-0.85	0.00604	0.00592	0.00579	0.00567	0.00554	0.00541	0.00528	0.00514	0.00501	0.00487	0.00474
-0.80	0.00688	0.00673	0.00657	0.00641	0.00625	0.00609	0.00593	0.00577	0.00560	0.00544	0.00527
-0.75	0.00788	0.00768	0.00749	0.00729	0.00709	0.00688	0.00668	0.00648	0.00627	0.00607	0.00587
-0.70	0.00906	0.00881	0.00856	0.00831	0.00806	0.00780	0.00755	0.00729	0.00704	0.00679	0.00654
-0.65	0.01047	0.01015	0.00983	0.00951	0.00918	0.00886	0.00854	0.00822	0.00790	0.00759	0.00728
-0.60	0.01216	0.01175	0.01133	0.01091	0.01050	0.01008	0.00967	0.00927	0.00887	0.00847	0.00809
-0.55	0.01419	0.01365	0.01310	0.01256	0.01201	0.01148	0.01095	0.01044	0.00993	0.00944	0.00896
-0.50	0.01664	0.01591	0.01518	0.01446	0.01376	0.01306	0.01238	0.01172	0.01108	0.01045	0.00985
-0.45	0.01957	0.01858	0.01761	0.01666	0.01572	0.01481	0.01393	0.01308	0.01226	0.01147	0.01071
-0.40	0.02306	0.02171	0.02040	0.01912	0.01788	0.01668	0.01553	0.01444	0.01339	0.01239	0.01145
-0.35	0.02715	0.02529	0.02349	0.02176	0.02011	0.01853	0.01704	0.01563	0.01430	0.01305	0.01188
-0.30	0.03178	0.02919	0.02672	0.02438	0.02217	0.02010	0.01816	0.01636	0.01469	0.01315	0.01173
-0.25	0.03669	0.03305	0.02964	0.02647	0.02353	0.02083	0.01836	0.01611	0.01407	0.01223	0.01057
-0.20	0.04107	0.03594	0.03125	0.02700	0.02317	0.01974	0.01669	0.01400	0.01163	0.00956	0.00774
-0.15	0.04294	0.03576	0.02942	0.02390	0.01913	0.01505	0.01158	0.00865	0.00619	0.00413	0.00243
-0.10	0.03752	0.02772	0.01964	0.01310	0.00789	0.00379	0.00060	-0.00186	-0.00373	-0.00515	-0.00620
-0.05	0.01223	0.00018	-0.00791	-0.01306	-0.01616	-0.01791	-0.01878	-0.01907	-0.01898	-0.01866	-0.01817
0.00	-0.09774	-0.07978	-0.06910	-0.06101	-0.05450	-0.04909	-0.04451	-0.04057	-0.03714	-0.03413	-0.03147
0.05	-0.15425	-0.13046	-0.11103	-0.09541	-0.08284	-0.07263	-0.06422	-0.05722	-0.05132	-0.04630	-0.04197
0.10	-0.13823	-0.12314	-0.10960	-0.09760	-0.08706	-0.07785	-0.06982	-0.06283	-0.05672	-0.05139	-0.04671
0.15	-0.11108	-0.10192	-0.09331	-0.08530	-0.07792	-0.07117	-0.06503	-0.05947	-0.05444	-0.04990	-0.04581
0.20	-0.08351	-0.07836	-0.07332	-0.06844	-0.06376	-0.05933	-0.05516	-0.05124	-0.04760	-0.04422	-0.04109
0.25	-0.05896	-0.05651	-0.05396	-0.05135	-0.04873	-0.04614	-0.04361	-0.04115	-0.03879	-0.03653	-0.03438
0.30	-0.03838	-0.03774	-0.03688	-0.03587	-0.03474	-0.03352	-0.03225	-0.03094	-0.02962	-0.02831	-0.02701
0.35	-0.02177	-0.02230	-0.02258	-0.02266	-0.02257	-0.02233	-0.02198	-0.02153	-0.02102	-0.02045	-0.01984
0.40	-0.00874	-0.01002	-0.01104	-0.01183	-0.01244	-0.01288	-0.01317	-0.01335	-0.01342	-0.01340	-0.01332
0.45	0.00118	-0.00053	-0.00200	-0.00325	-0.00431	-0.00519	-0.00592	-0.00652	-0.00700	-0.00738	-0.00767
0.50	0.00849	0.00654	0.00483	0.00332	0.00200	0.00084	-0.00016	-0.00103	-0.00179	-0.00243	-0.00298
0.55	0.01362	0.01159	0.00977	0.00815	0.00669	0.00540	0.00424	0.00321	0.00230	0.00149	0.00077
0.60	0.01697	0.01496	0.01315	0.01150	0.01002	0.00867	0.00745	0.00635	0.00536	0.00447	0.00366
0.65	0.01887	0.01696	0.01522	0.01363	0.01218	0.01086	0.00965	0.00854	0.00753	0.00661	0.00577
0.70	0.01962	0.01786	0.01625	0.01477	0.01340	0.01215	0.01099	0.00992	0.00895	0.00804	0.00722
0.75	0.01948	0.01791	0.01645	0.01511	0.01387	0.01271	0.01164	0.01065	0.00974	0.00889	0.00810
0.80	0.01867	0.01731	0.01604	0.01485	0.01375	0.01272	0.01176	0.01086	0.01003	0.00925	0.00852
0.85	0.01742	0.01626	0.01517	0.01416	0.01320	0.01231	0.01147	0.01068	0.00994	0.00925	0.00860
0.90	0.01588	0.01493	0.01403	0.01318	0.01237	0.01161	0.01090	0.01022	0.00958	0.00897	0.00840
0.95	0.01423	0.01346	0.01273	0.01204	0.01138	0.01075	0.01015	0.00958	0.00903	0.00852	0.00802
1.00	0.01258	0.01198	0.01140	0.01084	0.01031	0.00980	0.00930	0.00883	0.00838	0.00795	0.00753
1.05	0.01103	0.01056	0.01011	0.00967	0.00925	0.00884	0.00844	0.00805	0.00768	0.00732	0.00698
1.10	0.00963	0.00927	0.00892	0.00858	0.00824	0.00792	0.00760	0.00728	0.00698	0.00669	0.00640
1.15	0.00840	0.00812	0.00785	0.00759	0.00732	0.00706	0.00681	0.00656	0.00631	0.00607	0.00584
1.20	0.00733	0.00712	0.00691	0.00670	0.00649	0.00629	0.00608	0.00588	0.00569	0.00549	0.00530
1.25	0.00642	0.00625	0.00609	0.00593	0.00576	0.00560	0.00544	0.00527	0.00511	0.00495	0.00480
1.30	0.00564	0.00551	0.00538	0.00525	0.00512	0.00499	0.00486	0.00473	0.00460	0.00447	0.00434
1.35	0.00497	0.00487	0.00477	0.00467	0.00456	0.00446	0.00435	0.00424	0.00414	0.00403	0.00393
1.40	0.00440	0.00432	0.00424	0.00416	0.00407	0.00399	0.00390	0.00382	0.00373	0.00364	0.00355
1.45	0.00391	0.00385	0.00378	0.00372	0.00365	0.00358	0.00351	0.00344	0.00336	0.00329	0.00322
1.50	0.00349	0.00344	0.00339	0.00333	0.00328	0.00322	0.00316	0.00310	0.00304	0.00298	0.00292
1.55	0.00313	0.00309	0.00304	0.00300	0.00295	0.00290	0.00286	0.00281	0.00276	0.00271	0.00266
1.60	0.00282	0.00278	0.00274	0.00271	0.00267	0.00263	0.00259	0.00255	0.00250	0.00246	0.00242
1.65	0.00254	0.00251	0.00248	0.00245	0.00242	0.00238	0.00235	0.00232	0.00228	0.00224	0.00221
1.70	0.00230	0.00228	0.00225	0.00222	0.00220	0.00217	0.00214	0.00211	0.00208	0.00205	0.00202
1.75	0.00209	0.00207	0.00205	0.00202	0.00200	0.00198	0.00195	0.00193	0.00190	0.00188	0.00185
1.80	0.00190	0.00188	0.00187	0.00185	0.00183	0.00181	0.00179	0.00177	0.00174	0.00172	0.00170
1.85	0.00174	0.00172	0.00171	0.00169	0.00167	0.00166	0.00164	0.00162	0.00160	0.00158	0.00156
1.90	0.00159	0.00158	0.00156	0.00155	0.00154	0.00152	0.00151	0.00149	0.00147	0.00146	0.00144
1.95	0.00146	0.00145	0.00144	0.00143	0.00141	0.00140	0.00139	0.00137	0.00136	0.00135	0.00133
2.00	0.00134	0.00133	0.00132	0.00131	0.00130	0.00129	0.00128	0.00127	0.00126	0.00124	0.00123

TABLE III. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(a) Concluded. Half cone angle, 15.0.

Dimensionless axial position, ζ_1	Dimensionless radius, ρ										
	1.50	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00
-1.00	0.00348	0.00340	0.00333	0.00325	0.00317	0.00309	0.00302	0.00294	0.00286	0.00279	0.00271
-0.95	0.00385	0.00376	0.00367	0.00357	0.00348	0.00339	0.00330	0.00321	0.00312	0.00303	0.00294
-0.90	0.00427	0.00416	0.00405	0.00394	0.00383	0.00372	0.00361	0.00350	0.00340	0.00329	0.00319
-0.85	0.00474	0.00461	0.00447	0.00434	0.00421	0.00408	0.00395	0.00382	0.00369	0.00357	0.00345
-0.80	0.00527	0.00511	0.00495	0.00479	0.00463	0.00447	0.00432	0.00416	0.00401	0.00386	0.00372
-0.75	0.00587	0.00567	0.00547	0.00528	0.00509	0.00490	0.00471	0.00453	0.00435	0.00417	0.00400
-0.70	0.00654	0.00629	0.00605	0.00581	0.00558	0.00535	0.00513	0.00491	0.00469	0.00449	0.00428
-0.65	0.00728	0.00698	0.00668	0.00639	0.00610	0.00583	0.00556	0.00529	0.00504	0.00479	0.00455
-0.60	0.00809	0.00771	0.00735	0.00699	0.00664	0.00631	0.00598	0.00567	0.00536	0.00507	0.00479
-0.55	0.00896	0.00849	0.00804	0.00760	0.00717	0.00677	0.00638	0.00600	0.00564	0.00529	0.00497
-0.50	0.00985	0.00927	0.00871	0.00817	0.00766	0.00717	0.00670	0.00625	0.00583	0.00542	0.00504
-0.45	0.01071	0.00999	0.00930	0.00865	0.00803	0.00744	0.00688	0.00636	0.00586	0.00540	0.00496
-0.40	0.01145	0.01056	0.00971	0.00892	0.00818	0.00748	0.00683	0.00623	0.00566	0.00513	0.00465
-0.35	0.01188	0.01079	0.00978	0.00884	0.00797	0.00716	0.00642	0.00574	0.00511	0.00453	0.00400
-0.30	0.01173	0.01043	0.00924	0.00816	0.00717	0.00627	0.00546	0.00472	0.00405	0.00345	0.00291
-0.25	0.01057	0.00908	0.00774	0.00655	0.00549	0.00455	0.00372	0.00298	0.00232	0.00175	0.00124
-0.20	0.00774	0.00616	0.00480	0.00361	0.00259	0.00171	0.00095	0.00031	-0.00025	-0.00072	-0.00111
-0.15	0.00243	0.00101	-0.00016	-0.00111	-0.00189	-0.00253	-0.00304	-0.00344	-0.00376	-0.00401	-0.00419
-0.10	-0.00620	-0.00696	-0.00750	-0.00787	-0.00810	-0.00822	-0.00826	-0.00824	-0.00816	-0.00805	-0.00790
-0.05	-0.01817	-0.01760	-0.01697	-0.01631	-0.01565	-0.01498	-0.01433	-0.01370	-0.01309	-0.01251	-0.01195
0.00	-0.03147	-0.02910	-0.02698	-0.02507	-0.02335	-0.02179	-0.02037	-0.01908	-0.01790	-0.01682	-0.01582
0.05	-0.04197	-0.03822	-0.03495	-0.03207	-0.02952	-0.02725	-0.02522	-0.02340	-0.02177	-0.02029	-0.01894
0.10	-0.04671	-0.04259	-0.03895	-0.03572	-0.03285	-0.03028	-0.02799	-0.02592	-0.02406	-0.02238	-0.02085
0.15	-0.04581	-0.04212	-0.03880	-0.03580	-0.03309	-0.03063	-0.02841	-0.02639	-0.02456	-0.02289	-0.02136
0.20	-0.04109	-0.03819	-0.03553	-0.03307	-0.03081	-0.02873	-0.02682	-0.02506	-0.02344	-0.02195	-0.02057
0.25	-0.03438	-0.03234	-0.03041	-0.02860	-0.02690	-0.02531	-0.02382	-0.02242	-0.02112	-0.01990	-0.01876
0.30	-0.02701	-0.02574	-0.02451	-0.02332	-0.02217	-0.02106	-0.02001	-0.01900	-0.01805	-0.01714	-0.01628
0.35	-0.01984	-0.01920	-0.01855	-0.01788	-0.01722	-0.01656	-0.01590	-0.01526	-0.01464	-0.01403	-0.01345
0.40	-0.01332	-0.01317	-0.01297	-0.01274	-0.01247	-0.01217	-0.01186	-0.01154	-0.01121	-0.01087	-0.01053
0.45	-0.00767	-0.00789	-0.00803	-0.00812	-0.00816	-0.00816	-0.00812	-0.00805	-0.00796	-0.00784	-0.00771
0.50	-0.00298	-0.00345	-0.00384	-0.00417	-0.00443	-0.00465	-0.00481	-0.00494	-0.00504	-0.00510	-0.00513
0.55	0.00077	0.00014	-0.00041	-0.00090	-0.00132	-0.00169	-0.00200	-0.00227	-0.00251	-0.00270	-0.00287
0.60	0.00366	0.00294	0.00229	0.00170	0.00118	0.00072	0.00030	-0.00007	-0.00040	-0.00069	-0.00094
0.65	0.00577	0.00501	0.00431	0.00368	0.00311	0.00259	0.00212	0.00169	0.00130	0.00095	0.00064
0.70	0.00722	0.00645	0.00575	0.00511	0.00452	0.00398	0.00348	0.00303	0.00261	0.00223	0.00188
0.75	0.00810	0.00737	0.00669	0.00607	0.00549	0.00495	0.00445	0.00400	0.00357	0.00318	0.00282
0.80	0.00852	0.00785	0.00722	0.00663	0.00608	0.00557	0.00509	0.00465	0.00423	0.00385	0.00349
0.85	0.00860	0.00798	0.00741	0.00687	0.00637	0.00589	0.00545	0.00503	0.00464	0.00427	0.00393
0.90	0.00840	0.00786	0.00735	0.00687	0.00642	0.00599	0.00558	0.00520	0.00484	0.00450	0.00418
0.95	0.00802	0.00756	0.00711	0.00669	0.00629	0.00591	0.00555	0.00521	0.00488	0.00458	0.00428
1.00	0.00753	0.00713	0.00675	0.00639	0.00604	0.00571	0.00540	0.00509	0.00481	0.00453	0.00427
1.05	0.00698	0.00664	0.00632	0.00601	0.00572	0.00543	0.00516	0.00489	0.00464	0.00440	0.00417
1.10	0.00640	0.00612	0.00586	0.00560	0.00534	0.00510	0.00487	0.00464	0.00442	0.00421	0.00401
1.15	0.00584	0.00561	0.00538	0.00517	0.00496	0.00475	0.00455	0.00436	0.00417	0.00399	0.00381
1.20	0.00530	0.00511	0.00492	0.00474	0.00457	0.00439	0.00423	0.00406	0.00390	0.00375	0.00360
1.25	0.00480	0.00464	0.00449	0.00434	0.00419	0.00405	0.00391	0.00377	0.00363	0.00350	0.00337
1.30	0.00434	0.00421	0.00409	0.00396	0.00384	0.00372	0.00360	0.00348	0.00337	0.00325	0.00314
1.35	0.00393	0.00382	0.00372	0.00361	0.00351	0.00341	0.00331	0.00321	0.00311	0.00301	0.00292
1.40	0.00355	0.00347	0.00338	0.00329	0.00321	0.00312	0.00304	0.00295	0.00287	0.00279	0.00271
1.45	0.00322	0.00315	0.00308	0.00300	0.00293	0.00286	0.00279	0.00272	0.00265	0.00258	0.00251
1.50	0.00292	0.00286	0.00280	0.00274	0.00268	0.00262	0.00256	0.00250	0.00244	0.00238	0.00232
1.55	0.00266	0.00261	0.00256	0.00250	0.00245	0.00240	0.00235	0.00230	0.00225	0.00220	0.00214
1.60	0.00242	0.00238	0.00233	0.00229	0.00225	0.00220	0.00216	0.00212	0.00207	0.00203	0.00198
1.65	0.00221	0.00217	0.00214	0.00210	0.00206	0.00202	0.00199	0.00195	0.00191	0.00187	0.00184
1.70	0.00202	0.00199	0.00196	0.00193	0.00189	0.00186	0.00183	0.00180	0.00176	0.00173	0.00170
1.75	0.00185	0.00182	0.00180	0.00177	0.00174	0.00172	0.00169	0.00166	0.00163	0.00160	0.00157
1.80	0.00170	0.00168	0.00165	0.00163	0.00161	0.00158	0.00156	0.00153	0.00151	0.00149	0.00146
1.85	0.00156	0.00154	0.00152	0.00150	0.00148	0.00146	0.00144	0.00142	0.00140	0.00138	0.00136
1.90	0.00144	0.00142	0.00141	0.00139	0.00137	0.00135	0.00134	0.00132	0.00130	0.00128	0.00126
1.95	0.00133	0.00132	0.00130	0.00129	0.00127	0.00125	0.00124	0.00122	0.00121	0.00119	0.00117
2.00	0.00123	0.00122	0.00120	0.00119	0.00118	0.00116	0.00115	0.00114	0.00112	0.00111	0.00109

TABLE III. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(b) Half cone angle, 22.5.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50
-1.00	0.01720	0.01719	0.01714	0.01707	0.01696	0.01683	0.01667	0.01648	0.01627	0.01603	0.01577
-0.95	0.01952	0.01950	0.01945	0.01936	0.01923	0.01907	0.01887	0.01864	0.01838	0.01809	0.01778
-0.90	0.02228	0.02226	0.02219	0.02207	0.02192	0.02171	0.02147	0.02119	0.02087	0.02051	0.02012
-0.85	0.02557	0.02554	0.02546	0.02531	0.02512	0.02486	0.02456	0.02421	0.02381	0.02337	0.02288
-0.80	0.02953	0.02950	0.02939	0.02921	0.02896	0.02864	0.02826	0.02782	0.02732	0.02676	0.02616
-0.75	0.03435	0.03430	0.03416	0.03393	0.03362	0.03321	0.03273	0.03217	0.03153	0.03083	0.03007
-0.70	0.04024	0.04018	0.04000	0.03971	0.03930	0.03878	0.03816	0.03744	0.03663	0.03573	0.03476
-0.65	0.04753	0.04745	0.04722	0.04684	0.04631	0.04563	0.04483	0.04389	0.04285	0.04169	0.04044
-0.60	0.05664	0.05654	0.05624	0.05573	0.05503	0.05415	0.05309	0.05186	0.05049	0.04898	0.04736
-0.55	0.06816	0.06803	0.06762	0.06694	0.06601	0.06483	0.06342	0.06180	0.05998	0.05800	0.05586
-0.50	0.08290	0.08272	0.08216	0.08125	0.07999	0.07840	0.07650	0.07432	0.07188	0.06923	0.06638
-0.45	0.10201	0.10175	0.10099	0.09974	0.09801	0.09583	0.09324	0.09027	0.08696	0.08337	0.07953
-0.40	0.12713	0.12677	0.12571	0.12396	0.12155	0.11853	0.11493	0.11083	0.10627	0.10134	0.09610
-0.35	0.16065	0.16014	0.15864	0.15616	0.15275	0.14848	0.14343	0.13767	0.13131	0.12444	0.11719
-0.30	0.20610	0.20537	0.20320	0.19963	0.19473	0.18861	0.18138	0.17318	0.16415	0.15447	0.14428
-0.25	0.26881	0.26774	0.26454	0.25929	0.25212	0.24318	0.23267	0.22080	0.20781	0.19393	0.17943
-0.20	0.35702	0.35540	0.35056	0.34266	0.33190	0.31858	0.30300	0.28554	0.26655	0.24641	0.22549
-0.15	0.48401	0.48144	0.47382	0.46146	0.44480	0.42438	0.40080	0.37464	0.34650	0.31692	0.28644
-0.10	0.67295	0.66850	0.65549	0.63477	0.60752	0.57496	0.53821	0.49829	0.45608	0.41233	0.36773
-0.05	0.97217	0.96240	0.93524	0.89513	0.84606	0.79091	0.73167	0.66970	0.60603	0.54144	0.47656
0.00	1.60103	1.49801	1.39607	1.29521	1.19545	1.09681	0.99931	0.90299	0.80790	0.71408	0.62161
0.05	2.21743	2.02115	1.84436	1.68265	1.53205	1.38971	1.25370	1.12270	0.99577	0.87223	0.75155
0.10	2.47974	2.27807	2.08697	1.90557	1.73273	1.56725	1.40802	1.25409	1.10461	0.95889	0.81629
0.15	2.60862	2.40500	2.20824	2.01807	1.83403	1.65560	1.48220	1.31324	1.14818	0.98646	0.82756
0.20	2.65432	2.44965	2.24983	2.05470	1.86406	1.67763	1.49507	1.31604	1.14015	0.96702	0.79628
0.25	2.64222	2.43691	2.23515	2.03687	1.84195	1.65022	1.46147	1.27547	1.09198	0.91072	0.73142
0.30	2.58788	2.38213	2.17907	1.97866	1.78081	1.58541	1.39234	1.20144	1.01253	0.82544	0.63995
0.35	2.50167	2.29561	2.09164	1.88973	1.68981	1.49183	1.29568	1.10126	0.90845	0.71713	0.52714
0.40	2.39080	2.18452	1.97990	1.77691	1.57552	1.37566	1.17729	0.98032	0.78467	0.59025	0.39695
0.45	2.26043	2.05399	1.84890	1.64513	1.44265	1.24144	1.04144	0.84260	0.64487	0.44816	0.25241
0.50	2.11429	1.90774	1.70230	1.49795	1.29469	1.09247	0.89128	0.69106	0.49177	0.29337	0.09580
0.55	1.95511	1.74847	1.54277	1.33801	1.13416	0.93121	0.72913	0.52789	0.32746	0.12780	0.10698
0.60	1.78488	1.57818	1.37230	1.16723	0.96296	0.75947	0.55674	0.35476	0.15348	0.13115	0.11200
0.65	1.60507	1.39833	1.19232	0.98703	0.78246	0.57858	0.37540	0.17287	0.14945	0.12943	0.11216
0.70	1.41671	1.20994	1.00384	0.79841	0.59364	0.38951	0.18601	0.16183	0.14137	0.12380	0.10856
0.75	1.22045	1.01367	0.80753	0.60202	0.39715	0.19289	0.16827	0.14777	0.13034	0.11528	0.10213
0.80	1.01663	0.80985	0.60372	0.39822	0.19335	0.16862	0.14854	0.13171	0.11730	0.10476	0.09373
0.85	0.80517	0.59841	0.39236	0.18699	0.16254	0.14349	0.12787	0.11464	0.10318	0.09310	0.08414
0.90	0.58537	0.37869	0.17287	0.14941	0.13234	0.11876	0.10738	0.09754	0.08886	0.08109	0.07408
0.95	0.35508	0.14868	0.12798	0.11476	0.10449	0.09583	0.08824	0.08141	0.07519	0.06948	0.06420
1.00	0.10258	0.09689	0.09140	0.08613	0.08107	0.07623	0.07159	0.06715	0.06292	0.05888	0.05504
1.05	0.06961	0.06912	0.06776	0.06579	0.06342	0.06081	0.05807	0.05527	0.05246	0.04967	0.04693
1.10	0.05381	0.05360	0.05298	0.05201	0.05074	0.04923	0.04756	0.04576	0.04388	0.04195	0.04000
1.15	0.04331	0.04319	0.04284	0.04226	0.04149	0.04054	0.03945	0.03825	0.03696	0.03560	0.03420
1.20	0.03572	0.03564	0.03541	0.03504	0.03453	0.03389	0.03315	0.03231	0.03140	0.03042	0.02939
1.25	0.02997	0.02992	0.02976	0.02950	0.02914	0.02870	0.02817	0.02756	0.02690	0.02617	0.02541
1.30	0.02549	0.02545	0.02534	0.02515	0.02489	0.02456	0.02417	0.02372	0.02322	0.02268	0.02210
1.35	0.02191	0.02188	0.02180	0.02166	0.02146	0.02122	0.02092	0.02058	0.02020	0.01978	0.01933
1.40	0.01901	0.01899	0.01892	0.01881	0.01866	0.01847	0.01825	0.01798	0.01769	0.01736	0.01701
1.45	0.01662	0.01660	0.01655	0.01646	0.01635	0.01620	0.01602	0.01581	0.01558	0.01532	0.01504
1.50	0.01463	0.01461	0.01457	0.01450	0.01441	0.01429	0.01415	0.01399	0.01380	0.01359	0.01336
1.55	0.01295	0.01294	0.01291	0.01285	0.01278	0.01268	0.01257	0.01244	0.01228	0.01212	0.01193
1.60	0.01153	0.01152	0.01149	0.01145	0.01139	0.01131	0.01122	0.01111	0.01098	0.01085	0.01070
1.65	0.01031	0.01031	0.01028	0.01025	0.01020	0.01013	0.01006	0.00997	0.00986	0.00975	0.00962
1.70	0.00927	0.00926	0.00924	0.00921	0.00917	0.00912	0.00905	0.00898	0.00889	0.00880	0.00869
1.75	0.00836	0.00835	0.00834	0.00831	0.00828	0.00823	0.00818	0.00812	0.00805	0.00797	0.00788
1.80	0.00757	0.00756	0.00755	0.00753	0.00750	0.00746	0.00742	0.00737	0.00731	0.00724	0.00716
1.85	0.00688	0.00687	0.00686	0.00684	0.00682	0.00679	0.00675	0.00670	0.00665	0.00660	0.00653
1.90	0.00627	0.00626	0.00625	0.00624	0.00622	0.00619	0.00616	0.00612	0.00608	0.00603	0.00597
1.95	0.00573	0.00573	0.00572	0.00570	0.00569	0.00566	0.00564	0.00560	0.00556	0.00552	0.00548
2.00	0.00525	0.00525	0.00524	0.00523	0.00521	0.00519	0.00517	0.00514	0.00511	0.00507	0.00503

TABLE III. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(b) Continued. Half cone angle, 22.5.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00
-1.00	0.01577	0.01549	0.01519	0.01487	0.01454	0.01418	0.01382	0.01345	0.01306	0.01267	0.01227
-0.95	0.01778	0.01743	0.01707	0.01668	0.01627	0.01585	0.01541	0.01495	0.01449	0.01402	0.01355
-0.90	0.02012	0.01970	0.01925	0.01878	0.01828	0.01776	0.01723	0.01668	0.01612	0.01556	0.01499
-0.85	0.02288	0.02236	0.02181	0.02122	0.02061	0.01998	0.01933	0.01866	0.01798	0.01730	0.01661
-0.80	0.02616	0.02551	0.02482	0.02409	0.02334	0.02256	0.02175	0.02094	0.02011	0.01927	0.01844
-0.75	0.03007	0.02925	0.02838	0.02747	0.02653	0.02556	0.02457	0.02356	0.02254	0.02152	0.02050
-0.70	0.03476	0.03372	0.03263	0.03148	0.03029	0.02907	0.02783	0.02658	0.02532	0.02406	0.02281
-0.65	0.04044	0.03911	0.03770	0.03624	0.03474	0.03320	0.03164	0.03007	0.02850	0.02694	0.02540
-0.60	0.04736	0.04563	0.04382	0.04194	0.04002	0.03805	0.03608	0.03409	0.03212	0.03018	0.02827
-0.55	0.05586	0.05360	0.05123	0.04879	0.04630	0.04378	0.04125	0.03873	0.03624	0.03380	0.03142
-0.50	0.06638	0.06338	0.06027	0.05706	0.05381	0.05053	0.04727	0.04404	0.04088	0.03780	0.03482
-0.45	0.07953	0.07551	0.07134	0.06709	0.06279	0.05850	0.05425	0.05008	0.04603	0.04212	0.03837
-0.40	0.09610	0.09064	0.08501	0.07929	0.07356	0.06787	0.06229	0.05686	0.05163	0.04664	0.04191
-0.35	0.11719	0.10966	0.10195	0.09418	0.08644	0.07882	0.07142	0.06429	0.05749	0.05109	0.04510
-0.30	0.14428	0.13376	0.12307	0.11237	0.10179	0.09148	0.08155	0.07210	0.06322	0.05496	0.04737
-0.25	0.17943	0.16454	0.14951	0.13457	0.11994	0.10581	0.09235	0.07972	0.06803	0.05734	0.04771
-0.20	0.22549	0.20416	0.18277	0.16165	0.14113	0.12151	0.10305	0.08596	0.07043	0.05656	0.04440
-0.15	0.28644	0.25558	0.22481	0.19462	0.16547	0.13780	0.11204	0.08857	0.06769	0.04959	0.03434
-0.10	0.36773	0.32291	0.27846	0.23497	0.19306	0.15336	0.11656	0.08339	0.05454	0.03057	0.01171
-0.05	0.47656	0.41196	0.34815	0.28568	0.22514	0.16725	0.11293	0.06345	0.02056	-0.01343	-0.03644
0.00	0.62161	0.53057	0.44107	0.35327	0.26733	0.18352	0.10221	0.02396	-0.05026	-0.11837	-0.17045
0.05	0.75155	0.63331	0.51716	0.40277	0.28979	0.17782	0.06631	-0.04563	-0.15944	-0.27763	-0.22639
0.10	0.81629	0.67627	0.53830	0.40186	0.26642	0.13137	-0.00401	-0.14054	-0.27921	-0.24362	-0.21095
0.15	0.82756	0.67099	0.51626	0.36287	0.21032	0.05809	-0.09436	-0.24759	-0.22466	-0.20225	-0.18094
0.20	0.79628	0.62752	0.46036	0.29441	0.12928	-0.03543	-0.20010	-0.18756	-0.17429	-0.16076	-0.14738
0.25	0.73142	0.55380	0.37756	0.20241	0.02807	-0.14576	-0.14173	-0.13622	-0.12964	-0.12236	-0.11470
0.30	0.63995	0.45588	0.27300	0.09110	-0.09001	-0.09289	-0.09380	-0.09313	-0.09123	-0.08840	-0.08488
0.35	0.52714	0.33834	0.15058	-0.03629	-0.04470	-0.05082	-0.05503	-0.05766	-0.05900	-0.05930	-0.05878
0.40	0.39695	0.20467	0.01330	0.00053	-0.00974	-0.01788	-0.02421	-0.02903	-0.03256	-0.03503	-0.03661
0.45	0.25241	0.05755	0.04136	0.02786	0.01663	0.00736	-0.00025	-0.00642	-0.01137	-0.01527	-0.01829
0.50	0.09580	0.07699	0.06100	0.04742	0.03588	0.02612	0.01788	0.01096	0.00518	0.00039	-0.00355
0.55	0.10698	0.08915	0.07382	0.06063	0.04926	0.03948	0.03106	0.02385	0.01768	0.01242	0.00796
0.60	0.11200	0.09547	0.08114	0.06867	0.05782	0.04836	0.04012	0.03295	0.02671	0.02130	0.01661
0.65	0.11216	0.09716	0.08405	0.07256	0.06246	0.05358	0.04576	0.03887	0.03281	0.02749	0.02281
0.70	0.10856	0.09522	0.08350	0.07315	0.06398	0.05585	0.04862	0.04220	0.03649	0.03142	0.02692
0.75	0.10213	0.09056	0.08031	0.07120	0.06307	0.05580	0.04929	0.04345	0.03821	0.03352	0.02931
0.80	0.09373	0.08395	0.07522	0.06739	0.06035	0.05400	0.04827	0.04309	0.03840	0.03415	0.03031
0.85	0.08414	0.07611	0.06888	0.06233	0.05638	0.05096	0.04603	0.04153	0.03742	0.03367	0.03025
0.90	0.07408	0.06771	0.06189	0.05655	0.05165	0.04714	0.04299	0.03916	0.03563	0.03239	0.02939
0.95	0.06420	0.05931	0.05476	0.05053	0.04658	0.04291	0.03948	0.03630	0.03332	0.03056	0.02799
1.00	0.05504	0.05139	0.04792	0.04464	0.04153	0.03859	0.03582	0.03320	0.03074	0.02842	0.02625
1.05	0.04693	0.04426	0.04166	0.03915	0.03674	0.03442	0.03220	0.03008	0.02806	0.02615	0.02433
1.10	0.04000	0.03805	0.03612	0.03421	0.03235	0.03054	0.02878	0.02708	0.02544	0.02386	0.02236
1.15	0.03420	0.03277	0.03133	0.02988	0.02845	0.02703	0.02564	0.02428	0.02295	0.02167	0.02042
1.20	0.02939	0.02833	0.02724	0.02613	0.02502	0.02391	0.02281	0.02172	0.02065	0.01961	0.01858
1.25	0.02541	0.02460	0.02377	0.02292	0.02205	0.02118	0.02030	0.01943	0.01857	0.01771	0.01687
1.30	0.02210	0.02148	0.02084	0.02017	0.01949	0.01880	0.01810	0.01739	0.01669	0.01599	0.01530
1.35	0.01933	0.01885	0.01835	0.01782	0.01728	0.01673	0.01616	0.01559	0.01502	0.01445	0.01388
1.40	0.01701	0.01663	0.01623	0.01581	0.01537	0.01493	0.01447	0.01401	0.01354	0.01306	0.01259
1.45	0.01504	0.01474	0.01442	0.01408	0.01373	0.01336	0.01299	0.01261	0.01222	0.01183	0.01144
1.50	0.01336	0.01312	0.01286	0.01259	0.01230	0.01200	0.01169	0.01138	0.01106	0.01073	0.01040
1.55	0.01193	0.01173	0.01152	0.01129	0.01106	0.01081	0.01056	0.01029	0.01003	0.00975	0.00948
1.60	0.01070	0.01053	0.01036	0.01017	0.00997	0.00977	0.00956	0.00934	0.00911	0.00888	0.00865
1.65	0.00962	0.00949	0.00934	0.00919	0.00902	0.00885	0.00867	0.00849	0.00830	0.00811	0.00791
1.70	0.00869	0.00858	0.00846	0.00833	0.00819	0.00804	0.00789	0.00774	0.00758	0.00741	0.00724
1.75	0.00788	0.00778	0.00768	0.00757	0.00745	0.00733	0.00720	0.00707	0.00693	0.00679	0.00665
1.80	0.00716	0.00708	0.00699	0.00690	0.00680	0.00670	0.00659	0.00647	0.00636	0.00624	0.00611
1.85	0.00653	0.00646	0.00639	0.00631	0.00622	0.00613	0.00604	0.00594	0.00584	0.00574	0.00563
1.90	0.00597	0.00591	0.00585	0.00578	0.00571	0.00563	0.00555	0.00547	0.00538	0.00529	0.00519
1.95	0.00548	0.00542	0.00537	0.00531	0.00525	0.00518	0.00511	0.00504	0.00496	0.00488	0.00480
2.00	0.00503	0.00499	0.00494	0.00489	0.00484	0.00478	0.00472	0.00465	0.00459	0.00452	0.00445

TABLE III. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(b) Continued. Half cone angle, 22.5.

Dimensionless axial position, η	Dimensionless radius, ρ										
	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50
-1.00	0.01227	0.01187	0.01146	0.01105	0.01065	0.01024	0.00984	0.00944	0.00904	0.00865	0.00827
-0.95	0.01355	0.01307	0.01258	0.01210	0.01162	0.01114	0.01067	0.01021	0.00975	0.00930	0.00886
-0.90	0.01499	0.01441	0.01384	0.01326	0.01269	0.01213	0.01158	0.01103	0.01050	0.00997	0.00946
-0.85	0.01661	0.01592	0.01523	0.01455	0.01387	0.01320	0.01255	0.01191	0.01128	0.01067	0.01008
-0.80	0.01844	0.01760	0.01678	0.01596	0.01515	0.01436	0.01359	0.01283	0.01210	0.01139	0.01071
-0.75	0.02050	0.01949	0.01848	0.01750	0.01654	0.01559	0.01468	0.01379	0.01293	0.01211	0.01132
-0.70	0.02281	0.02158	0.02036	0.01917	0.01802	0.01689	0.01581	0.01476	0.01376	0.01280	0.01188
-0.65	0.02540	0.02389	0.02241	0.02097	0.01957	0.01823	0.01694	0.01571	0.01453	0.01341	0.01235
-0.60	0.02827	0.02641	0.02460	0.02285	0.02117	0.01956	0.01803	0.01658	0.01520	0.01390	0.01269
-0.55	0.03142	0.02912	0.02690	0.02477	0.02274	0.02082	0.01900	0.01729	0.01569	0.01419	0.01280
-0.50	0.03482	0.03196	0.02923	0.02663	0.02419	0.02189	0.01973	0.01773	0.01587	0.01416	0.01258
-0.45	0.03837	0.03481	0.03144	0.02828	0.02533	0.02259	0.02006	0.01774	0.01560	0.01366	0.01190
-0.40	0.04191	0.03746	0.03331	0.02947	0.02593	0.02269	0.01974	0.01707	0.01466	0.01250	0.01056
-0.35	0.04510	0.03955	0.03445	0.02980	0.02558	0.02180	0.01841	0.01540	0.01274	0.01040	0.00835
-0.30	0.04737	0.04045	0.03422	0.02865	0.02371	0.01938	0.01559	0.01231	0.00948	0.00706	0.00499
-0.25	0.04771	0.03915	0.03162	0.02508	0.01945	0.01466	0.01062	0.00723	0.00441	0.00209	0.00018
-0.20	0.04440	0.03392	0.02504	0.01764	0.01155	0.00660	0.00264	-0.00051	-0.00298	-0.00489	-0.00635
-0.15	0.03434	0.02185	0.01189	0.00414	-0.00175	-0.00613	-0.00932	-0.01157	-0.01312	-0.01413	-0.01473
-0.10	0.01171	-0.00228	-0.01207	-0.01854	-0.02255	-0.02485	-0.02596	-0.02627	-0.02606	-0.02551	-0.02474
-0.05	-0.03644	-0.04871	-0.05335	-0.05378	-0.05218	-0.04965	-0.04677	-0.04381	-0.04093	-0.03818	-0.03560
0.00	-0.17045	-0.13419	-0.11351	-0.09826	-0.08624	-0.07645	-0.06830	-0.06139	-0.05547	-0.05035	-0.04588
0.05	-0.22639	-0.18494	-0.15333	-0.12940	-0.11092	-0.09631	-0.08450	-0.07477	-0.06663	-0.05974	-0.05385
0.10	-0.21095	-0.18200	-0.15710	-0.13608	-0.11849	-0.10380	-0.09149	-0.08111	-0.07230	-0.06478	-0.05830
0.15	-0.18094	-0.16119	-0.14326	-0.12724	-0.11310	-0.10072	-0.08992	-0.08052	-0.07234	-0.06519	-0.05894
0.20	-0.14738	-0.13447	-0.12226	-0.11091	-0.10048	-0.09101	-0.08246	-0.07478	-0.06791	-0.06177	-0.05629
0.25	-0.11470	-0.10691	-0.09920	-0.09173	-0.08461	-0.07790	-0.07164	-0.06586	-0.06054	-0.05567	-0.05123
0.30	-0.08488	-0.08091	-0.07667	-0.07229	-0.06789	-0.06357	-0.05938	-0.05537	-0.05157	-0.04800	-0.04466
0.35	-0.05878	-0.05762	-0.05597	-0.05398	-0.05176	-0.04938	-0.04694	-0.04447	-0.04204	-0.03965	-0.03735
0.40	-0.03661	-0.03747	-0.03775	-0.03755	-0.03700	-0.03616	-0.03512	-0.03393	-0.03264	-0.03129	-0.02991
0.45	-0.01829	-0.02056	-0.02220	-0.02332	-0.02401	-0.02434	-0.02439	-0.02421	-0.02385	-0.02335	-0.02275
0.50	-0.00355	-0.00675	-0.00932	-0.01136	-0.01294	-0.01413	-0.01499	-0.01558	-0.01594	-0.01612	-0.01614
0.55	0.00796	0.00419	0.00103	-0.00160	-0.00378	-0.00556	-0.00700	-0.00816	-0.00906	-0.00975	-0.01026
0.60	0.01661	0.01257	0.00909	0.00611	0.00356	0.00140	-0.00043	-0.00196	-0.00324	-0.00430	-0.00516
0.65	0.02281	0.01870	0.01512	0.01198	0.00925	0.00688	0.00483	0.00306	0.00153	0.00023	-0.00088
0.70	0.02692	0.02292	0.01938	0.01624	0.01347	0.01102	0.00887	0.00698	0.00532	0.00387	0.00261
0.75	0.02931	0.02553	0.02215	0.01912	0.01642	0.01400	0.01185	0.00993	0.00822	0.00671	0.00537
0.80	0.03031	0.02684	0.02370	0.02086	0.01830	0.01599	0.01390	0.01203	0.01034	0.00883	0.00747
0.85	0.03025	0.02712	0.02427	0.02167	0.01931	0.01715	0.01519	0.01341	0.01179	0.01032	0.00899
0.90	0.02939	0.02664	0.02410	0.02177	0.01963	0.01766	0.01585	0.01420	0.01268	0.01129	0.01003
0.95	0.02799	0.02560	0.02338	0.02133	0.01942	0.01766	0.01602	0.01451	0.01312	0.01184	0.01065
1.00	0.02625	0.02421	0.02230	0.02051	0.01884	0.01728	0.01582	0.01447	0.01321	0.01203	0.01095
1.05	0.02433	0.02260	0.02098	0.01944	0.01799	0.01663	0.01535	0.01415	0.01302	0.01197	0.01099
1.10	0.02236	0.02092	0.01954	0.01823	0.01699	0.01581	0.01470	0.01365	0.01265	0.01171	0.01083
1.15	0.02042	0.01922	0.01807	0.01697	0.01591	0.01490	0.01393	0.01301	0.01214	0.01131	0.01053
1.20	0.01858	0.01759	0.01663	0.01570	0.01480	0.01394	0.01311	0.01231	0.01155	0.01083	0.01013
1.25	0.01687	0.01605	0.01525	0.01446	0.01370	0.01297	0.01226	0.01157	0.01091	0.01028	0.00967
1.30	0.01530	0.01462	0.01395	0.01329	0.01265	0.01203	0.01142	0.01083	0.01026	0.00971	0.00918
1.35	0.01388	0.01331	0.01275	0.01220	0.01166	0.01112	0.01060	0.01010	0.00961	0.00913	0.00866
1.40	0.01259	0.01212	0.01165	0.01118	0.01073	0.01027	0.00983	0.00939	0.00897	0.00855	0.00815
1.45	0.01144	0.01104	0.01065	0.01025	0.00987	0.00948	0.00910	0.00873	0.00836	0.00800	0.00765
1.50	0.01040	0.01007	0.00974	0.00941	0.00907	0.00875	0.00842	0.00810	0.00778	0.00747	0.00716
1.55	0.00948	0.00920	0.00891	0.00863	0.00835	0.00807	0.00779	0.00751	0.00724	0.00697	0.00670
1.60	0.00865	0.00841	0.00817	0.00793	0.00769	0.00745	0.00721	0.00697	0.00673	0.00649	0.00626
1.65	0.00791	0.00770	0.00750	0.00729	0.00709	0.00688	0.00667	0.00646	0.00626	0.00605	0.00585
1.70	0.00724	0.00707	0.00690	0.00672	0.00654	0.00636	0.00618	0.00600	0.00582	0.00564	0.00546
1.75	0.00665	0.00650	0.00635	0.00620	0.00604	0.00589	0.00573	0.00557	0.00542	0.00526	0.00510
1.80	0.00611	0.00598	0.00585	0.00572	0.00559	0.00545	0.00532	0.00518	0.00504	0.00490	0.00477
1.85	0.00563	0.00552	0.00541	0.00529	0.00518	0.00506	0.00494	0.00482	0.00470	0.00458	0.00446
1.90	0.00519	0.00510	0.00500	0.00490	0.00480	0.00470	0.00459	0.00449	0.00438	0.00428	0.00417
1.95	0.00480	0.00472	0.00463	0.00455	0.00446	0.00437	0.00428	0.00418	0.00409	0.00400	0.00390
2.00	0.00445	0.00437	0.00430	0.00422	0.00415	0.00407	0.00399	0.00390	0.00382	0.00374	0.00365

TABLE III. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(b) Concluded. Half cone angle, 22.5.

Dimensionless axial position, η	Dimensionless radius, ρ										
	1.50	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00
-1.00	0.00827	0.00790	0.00753	0.00718	0.00683	0.00649	0.00616	0.00584	0.00554	0.00524	0.00496
-0.95	0.00886	0.00842	0.00801	0.00760	0.00720	0.00682	0.00645	0.00609	0.00575	0.00542	0.00510
-0.90	0.00946	0.00897	0.00848	0.00802	0.00757	0.00714	0.00672	0.00632	0.00593	0.00556	0.00521
-0.85	0.01008	0.00951	0.00896	0.00843	0.00792	0.00743	0.00696	0.00651	0.00608	0.00567	0.00528
-0.80	0.01071	0.01005	0.00942	0.00881	0.00823	0.00768	0.00715	0.00665	0.00617	0.00572	0.00529
-0.75	0.01132	0.01056	0.00983	0.00914	0.00848	0.00786	0.00727	0.00671	0.00619	0.00569	0.00522
-0.70	0.01188	0.01101	0.01018	0.00939	0.00865	0.00795	0.00730	0.00668	0.00610	0.00556	0.00506
-0.65	0.01235	0.01135	0.01041	0.00952	0.00869	0.00791	0.00719	0.00651	0.00588	0.00530	0.00476
-0.60	0.01269	0.01154	0.01048	0.00948	0.00856	0.00770	0.00691	0.00617	0.00550	0.00488	0.00430
-0.55	0.01280	0.01150	0.01030	0.00920	0.00818	0.00725	0.00639	0.00561	0.00490	0.00424	0.00365
-0.50	0.01258	0.01113	0.00980	0.00859	0.00749	0.00649	0.00559	0.00477	0.00403	0.00336	0.00277
-0.45	0.01190	0.01030	0.00885	0.00755	0.00639	0.00534	0.00441	0.00358	0.00284	0.00218	0.00160
-0.40	0.01056	0.00884	0.00731	0.00595	0.00476	0.00371	0.00278	0.00198	0.00127	0.00066	0.00012
-0.35	0.00835	0.00656	0.00500	0.00365	0.00249	0.00149	0.00063	-0.00010	-0.00073	-0.00126	-0.00170
-0.30	0.00499	0.00323	0.00175	0.00050	-0.00054	-0.00141	-0.00213	-0.00272	-0.00319	-0.00358	-0.00388
-0.25	0.00018	-0.00138	-0.00263	-0.00363	-0.00443	-0.00505	-0.00552	-0.00588	-0.00614	-0.00631	-0.00642
-0.20	-0.00635	-0.00745	-0.00825	-0.00882	-0.00920	-0.00943	-0.00954	-0.00956	-0.00951	-0.00941	-0.00926
-0.15	-0.01473	-0.01502	-0.01509	-0.01498	-0.01476	-0.01445	-0.01407	-0.01366	-0.01322	-0.01276	-0.01230
-0.10	-0.02474	-0.02384	-0.02287	-0.02186	-0.02086	-0.01987	-0.01890	-0.01797	-0.01707	-0.01622	-0.01541
-0.05	-0.03560	-0.03320	-0.03098	-0.02892	-0.02703	-0.02528	-0.02367	-0.02219	-0.02082	-0.01955	-0.01838
0.00	-0.04588	-0.04195	-0.03848	-0.03540	-0.03264	-0.03018	-0.02796	-0.02596	-0.02415	-0.02251	-0.02101
0.05	-0.05385	-0.04877	-0.04434	-0.04047	-0.03706	-0.03403	-0.03135	-0.02894	-0.02679	-0.02484	-0.02309
0.10	-0.05830	-0.05270	-0.04782	-0.04354	-0.03978	-0.03645	-0.03349	-0.03085	-0.02849	-0.02637	-0.02446
0.15	-0.05894	-0.05346	-0.04864	-0.04437	-0.04060	-0.03724	-0.03424	-0.03156	-0.02915	-0.02699	-0.02503
0.20	-0.05629	-0.05140	-0.04703	-0.04312	-0.03961	-0.03646	-0.03363	-0.03108	-0.02878	-0.02669	-0.02480
0.25	-0.05123	-0.04718	-0.04350	-0.04016	-0.03712	-0.03435	-0.03184	-0.02955	-0.02747	-0.02557	-0.02383
0.30	-0.04466	-0.04154	-0.03865	-0.03598	-0.03351	-0.03123	-0.02913	-0.02719	-0.02540	-0.02376	-0.02224
0.35	-0.03735	-0.03515	-0.03305	-0.03106	-0.02919	-0.02743	-0.02578	-0.02423	-0.02279	-0.02144	-0.02018
0.40	-0.02991	-0.02853	-0.02716	-0.02582	-0.02452	-0.02327	-0.02207	-0.02092	-0.01982	-0.01878	-0.01780
0.45	-0.02275	-0.02207	-0.02134	-0.02058	-0.01980	-0.01901	-0.01823	-0.01745	-0.01669	-0.01596	-0.01524
0.50	-0.01614	-0.01605	-0.01585	-0.01557	-0.01524	-0.01486	-0.01444	-0.01401	-0.01356	-0.01310	-0.01264
0.55	-0.01026	-0.01061	-0.01084	-0.01096	-0.01100	-0.01096	-0.01086	-0.01072	-0.01053	-0.01032	-0.01009
0.60	-0.00516	-0.00586	-0.00642	-0.00685	-0.00718	-0.00741	-0.00757	-0.00767	-0.00771	-0.00771	-0.00767
0.65	-0.00088	-0.00182	-0.00262	-0.00328	-0.00383	-0.00427	-0.00464	-0.00492	-0.00515	-0.00532	-0.00544
0.70	0.00261	0.00151	0.00056	-0.00026	-0.00097	-0.00157	-0.00208	-0.00251	-0.00288	-0.00318	-0.00343
0.75	0.00537	0.00419	0.00314	0.00222	0.00141	0.00071	0.00009	-0.00045	-0.00091	-0.00132	-0.00166
0.80	0.00747	0.00626	0.00517	0.00420	0.00334	0.00257	0.00188	0.00128	0.00075	0.00027	-0.00014
0.85	0.00899	0.00779	0.00671	0.00573	0.00484	0.00405	0.00333	0.00269	0.00211	0.00160	0.00114
0.90	0.01003	0.00887	0.00782	0.00685	0.00598	0.00518	0.00446	0.00381	0.00321	0.00268	0.00219
0.95	0.01065	0.00956	0.00856	0.00764	0.00680	0.00602	0.00531	0.00466	0.00407	0.00353	0.00304
1.00	0.01095	0.00994	0.00900	0.00814	0.00734	0.00660	0.00592	0.00529	0.00471	0.00418	0.00369
1.05	0.01099	0.01007	0.00921	0.00841	0.00766	0.00697	0.00633	0.00573	0.00517	0.00466	0.00418
1.10	0.01083	0.01000	0.00922	0.00849	0.00780	0.00716	0.00656	0.00600	0.00548	0.00499	0.00454
1.15	0.01053	0.00979	0.00909	0.00842	0.00780	0.00721	0.00666	0.00614	0.00565	0.00520	0.00477
1.20	0.01013	0.00947	0.00885	0.00825	0.00769	0.00716	0.00665	0.00617	0.00572	0.00530	0.00490
1.25	0.00967	0.00909	0.00854	0.00801	0.00750	0.00702	0.00656	0.00613	0.00571	0.00532	0.00495
1.30	0.00918	0.00866	0.00817	0.00770	0.00725	0.00682	0.00641	0.00601	0.00564	0.00528	0.00494
1.35	0.00866	0.00822	0.00778	0.00737	0.00696	0.00658	0.00621	0.00585	0.00551	0.00519	0.00488
1.40	0.00815	0.00776	0.00738	0.00701	0.00665	0.00631	0.00598	0.00566	0.00535	0.00506	0.00478
1.45	0.00765	0.00730	0.00697	0.00665	0.00633	0.00603	0.00573	0.00544	0.00517	0.00490	0.00465
1.50	0.00716	0.00686	0.00657	0.00628	0.00600	0.00573	0.00547	0.00521	0.00497	0.00473	0.00450
1.55	0.00670	0.00644	0.00618	0.00593	0.00568	0.00544	0.00521	0.00498	0.00476	0.00454	0.00433
1.60	0.00626	0.00603	0.00581	0.00558	0.00537	0.00515	0.00494	0.00474	0.00454	0.00435	0.00416
1.65	0.00585	0.00565	0.00545	0.00525	0.00506	0.00487	0.00469	0.00450	0.00433	0.00415	0.00398
1.70	0.00546	0.00529	0.00511	0.00494	0.00477	0.00460	0.00443	0.00427	0.00411	0.00396	0.00380
1.75	0.00510	0.00495	0.00479	0.00464	0.00449	0.00434	0.00419	0.00405	0.00391	0.00377	0.00363
1.80	0.00477	0.00463	0.00449	0.00436	0.00423	0.00409	0.00396	0.00383	0.00371	0.00358	0.00346
1.85	0.00446	0.00434	0.00422	0.00410	0.00398	0.00386	0.00374	0.00363	0.00351	0.00340	0.00329
1.90	0.00417	0.00406	0.00396	0.00385	0.00374	0.00364	0.00353	0.00343	0.00333	0.00323	0.00313
1.95	0.00390	0.00381	0.00371	0.00362	0.00352	0.00343	0.00334	0.00324	0.00315	0.00306	0.00297
2.00	0.00365	0.00357	0.00349	0.00340	0.00332	0.00323	0.00315	0.00307	0.00298	0.00290	0.00282

TABLE III. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu_0 JL$, FOR FIELD POINT INCREMENTS OF 0.05

(c) Half cone angle, 30.0

Dimensionless axial position, η	Dimensionless radius, ρ										
	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50
-1.00	0.04316	0.04310	0.04290	0.04258	0.04213	0.04157	0.04089	0.04010	0.03921	0.03824	0.03717
-0.95	0.04866	0.04858	0.04835	0.04796	0.04742	0.04674	0.04592	0.04497	0.04390	0.04273	0.04146
-0.90	0.05511	0.05502	0.05473	0.05426	0.05360	0.05277	0.05178	0.05063	0.04934	0.04792	0.04639
-0.85	0.06272	0.06260	0.06225	0.06167	0.06087	0.05985	0.05864	0.05724	0.05567	0.05395	0.05209
-0.80	0.07174	0.07159	0.07116	0.07044	0.06946	0.06821	0.06672	0.06500	0.06308	0.06097	0.05871
-0.75	0.08250	0.08232	0.08179	0.08090	0.07967	0.07813	0.07628	0.07416	0.07179	0.06921	0.06644
-0.70	0.09544	0.09522	0.09455	0.09344	0.09191	0.08998	0.08768	0.08504	0.08210	0.07890	0.07548
-0.65	0.11110	0.11082	0.10997	0.10857	0.10665	0.10422	0.10134	0.09803	0.09436	0.09037	0.08612
-0.60	0.13019	0.12983	0.12875	0.12698	0.12454	0.12146	0.11781	0.11364	0.10902	0.10401	0.09869
-0.55	0.15365	0.15319	0.15181	0.14953	0.14641	0.14248	0.13783	0.13253	0.12666	0.12033	0.11362
-0.50	0.18270	0.18211	0.18032	0.17738	0.17335	0.16830	0.16232	0.15552	0.14802	0.13995	0.13144
-0.45	0.21901	0.21822	0.21590	0.21207	0.20682	0.20025	0.19250	0.18371	0.17405	0.16369	0.15280
-0.40	0.26477	0.26374	0.26067	0.25563	0.24873	0.24013	0.22999	0.21854	0.20599	0.19257	0.17854
-0.35	0.32303	0.32166	0.31757	0.31086	0.30170	0.29030	0.27693	0.26186	0.24543	0.22794	0.20972
-0.30	0.39798	0.39611	0.39058	0.38154	0.36923	0.35397	0.33614	0.31616	0.29446	0.27148	0.24767
-0.25	0.49553	0.49296	0.48535	0.47294	0.45614	0.43544	0.41141	0.38466	0.35578	0.32540	0.29408
-0.20	0.62437	0.62072	0.60994	0.59250	0.56910	0.54055	0.50775	0.47157	0.43287	0.39246	0.35108
-0.15	0.79784	0.79240	0.77645	0.75098	0.71738	0.67712	0.63164	0.58224	0.53005	0.47612	0.42134
-0.10	1.03867	1.02972	1.00402	0.96434	0.91386	0.85539	0.79121	0.72310	0.65247	0.58048	0.50809
-0.05	1.39406	1.37522	1.32556	1.25639	1.17555	1.08769	0.99564	0.90123	0.80574	0.71011	0.61513
0.00	2.08148	1.93818	1.79698	1.65787	1.52089	1.38608	1.25346	1.12312	0.99512	0.86955	0.74653
0.05	2.75642	2.48865	2.25584	2.04671	1.85346	1.67150	1.49809	1.33153	1.17065	1.01469	0.86310
0.10	3.07457	2.79686	2.53994	2.30105	2.07705	1.86519	1.66325	1.46955	1.28279	1.10193	0.92618
0.15	3.25404	2.97274	2.70582	2.45230	2.21083	1.97997	1.75832	1.54466	1.33791	1.13712	0.94147
0.20	3.34299	3.05979	2.78739	2.52533	2.27292	2.02936	1.79379	1.56536	1.34325	1.12669	0.91494
0.25	3.36534	3.08095	2.80504	2.53737	2.27753	2.02504	1.77932	1.53979	1.30584	1.07686	0.85224
0.30	3.33581	3.05059	2.77225	2.50061	2.23543	1.97639	1.72309	1.47510	1.23196	0.99321	0.75836
0.35	3.26446	2.97865	2.69852	2.42396	2.15481	1.89083	1.63174	1.37722	1.12693	0.88049	0.63751
0.40	3.15861	2.87235	2.59087	2.31411	2.04193	1.77417	1.51061	1.25102	0.99512	0.74262	0.49321
0.45	3.02373	2.73712	2.45461	2.17615	1.90165	1.63097	1.36394	1.10039	0.84009	0.58282	0.32833
0.50	2.86398	2.57711	2.29381	2.01405	1.73775	1.46481	1.19509	0.92845	0.66471	0.40369	0.14519
0.55	2.68258	2.39550	2.11160	1.83084	1.55317	1.27849	1.00670	0.73767	0.47126	0.20733	0.16498
0.60	2.48195	2.19472	1.91037	1.62887	1.35017	1.07418	0.80082	0.52998	0.26155	0.21498	0.17575
0.65	2.26392	1.97658	1.69192	1.40989	1.13045	0.85353	0.57905	0.30690	0.25698	0.21492	0.17922
0.70	2.02975	1.74235	1.45749	1.17515	0.89526	0.61775	0.34254	0.29005	0.24608	0.20878	0.17687
0.75	1.78020	1.49278	1.20787	0.92543	0.64538	0.36764	0.31333	0.26838	0.23045	0.19802	0.17004
0.80	1.51546	1.22809	0.94330	0.66103	0.38117	0.32582	0.28096	0.24348	0.21154	0.18397	0.15995
0.85	1.23497	0.94774	0.66335	0.38167	0.32626	0.28284	0.24713	0.21686	0.19072	0.16785	0.14769
0.90	0.93687	0.65000	0.36661	0.31270	0.27283	0.24068	0.21353	0.18999	0.16925	0.15080	0.13426
0.95	0.61617	0.33047	0.28189	0.24946	0.22355	0.20138	0.18181	0.16423	0.14830	0.13378	0.12053
1.00	0.24653	0.22891	0.21214	0.19620	0.18110	0.16682	0.15335	0.14067	0.12876	0.11761	0.10718
1.05	0.17062	0.16850	0.16299	0.15550	0.14699	0.13804	0.12898	0.12001	0.11126	0.10281	0.09472
1.10	0.13341	0.13248	0.12981	0.12574	0.12068	0.11494	0.10880	0.10245	0.09604	0.08968	0.08344
1.15	0.10833	0.10779	0.10621	0.10371	0.10046	0.09661	0.09234	0.08778	0.08306	0.07825	0.07344
1.20	0.09000	0.08964	0.08861	0.08694	0.08471	0.08202	0.07897	0.07563	0.07209	0.06843	0.06470
1.25	0.07598	0.07574	0.07501	0.07384	0.07225	0.07030	0.06804	0.06555	0.06286	0.06004	0.05712
1.30	0.06496	0.06478	0.06425	0.06339	0.06221	0.06076	0.05906	0.05715	0.05508	0.05288	0.05058
1.35	0.05610	0.05597	0.05557	0.05492	0.05403	0.05291	0.05161	0.05013	0.04850	0.04676	0.04493
1.40	0.04887	0.04876	0.04846	0.04795	0.04726	0.04640	0.04537	0.04421	0.04292	0.04153	0.04005
1.45	0.04288	0.04280	0.04255	0.04216	0.04161	0.04093	0.04011	0.03918	0.03815	0.03702	0.03582
1.50	0.03786	0.03780	0.03760	0.03729	0.03685	0.03630	0.03565	0.03489	0.03405	0.03314	0.03215
1.55	0.03362	0.03357	0.03342	0.03316	0.03281	0.03236	0.03183	0.03121	0.03052	0.02977	0.02896
1.60	0.03001	0.02997	0.02984	0.02963	0.02934	0.02898	0.02854	0.02803	0.02746	0.02684	0.02616
1.65	0.02691	0.02687	0.02677	0.02660	0.02636	0.02605	0.02569	0.02527	0.02479	0.02427	0.02371
1.70	0.02423	0.02420	0.02411	0.02397	0.02377	0.02352	0.02321	0.02286	0.02246	0.02202	0.02154
1.75	0.02190	0.02188	0.02180	0.02168	0.02152	0.02130	0.02105	0.02075	0.02041	0.02004	0.01964
1.80	0.01987	0.01985	0.01978	0.01968	0.01954	0.01936	0.01914	0.01889	0.01860	0.01829	0.01794
1.85	0.01808	0.01806	0.01801	0.01792	0.01780	0.01765	0.01746	0.01725	0.01700	0.01673	0.01644
1.90	0.01650	0.01649	0.01644	0.01637	0.01627	0.01613	0.01598	0.01579	0.01558	0.01535	0.01509
1.95	0.01511	0.01509	0.01506	0.01499	0.01490	0.01479	0.01465	0.01449	0.01431	0.01411	0.01389
2.00	0.01387	0.01385	0.01382	0.01377	0.01369	0.01359	0.01347	0.01333	0.01318	0.01300	0.01281

TABLE III. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(c) Continued. Half cone angle, 30.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00
-1.00	0.03717	0.03604	0.03484	0.03359	0.03230	0.03097	0.02962	0.02826	0.02689	0.02552	0.02417
-0.95	0.04146	0.04010	0.03867	0.03719	0.03565	0.03408	0.03249	0.03089	0.02928	0.02769	0.02611
-0.90	0.04639	0.04476	0.04305	0.04127	0.03944	0.03758	0.03569	0.03380	0.03192	0.03005	0.02821
-0.85	0.05209	0.05012	0.04806	0.04592	0.04373	0.04151	0.03927	0.03703	0.03481	0.03261	0.03047
-0.80	0.05871	0.05632	0.05382	0.05124	0.04860	0.04594	0.04326	0.04060	0.03797	0.03539	0.03287
-0.75	0.06644	0.06351	0.06046	0.05733	0.05414	0.05093	0.04772	0.04454	0.04141	0.03837	0.03541
-0.70	0.07548	0.07188	0.06814	0.06431	0.06044	0.05654	0.05268	0.04887	0.04514	0.04153	0.03806
-0.65	0.08612	0.08166	0.07705	0.07235	0.06760	0.06287	0.05819	0.05360	0.04915	0.04486	0.04075
-0.60	0.09869	0.09313	0.08741	0.08159	0.07576	0.06997	0.06427	0.05873	0.05339	0.04828	0.04343
-0.55	0.11362	0.10664	0.09949	0.09226	0.08504	0.07791	0.07095	0.06423	0.05779	0.05169	0.04595
-0.50	0.13144	0.12261	0.11361	0.10456	0.09557	0.08676	0.07821	0.07002	0.06224	0.05494	0.04814
-0.45	0.15280	0.14156	0.13016	0.11875	0.10749	0.09653	0.08598	0.07595	0.06653	0.05777	0.04971
-0.40	0.17854	0.16413	0.14958	0.13510	0.12091	0.10719	0.09410	0.08178	0.07032	0.05980	0.05026
-0.35	0.20972	0.19111	0.17240	0.15391	0.13590	0.11863	0.10229	0.08708	0.07310	0.06046	0.04918
-0.30	0.24767	0.22346	0.19927	0.17548	0.15247	0.13057	0.11006	0.09117	0.07408	0.05887	0.04559
-0.25	0.29408	0.26241	0.23092	0.20013	0.17052	0.14255	0.11660	0.09301	0.07200	0.05371	0.03815
-0.20	0.35108	0.30947	0.26829	0.22820	0.18985	0.15382	0.12068	0.09092	0.06492	0.04290	0.02485
-0.15	0.42134	0.36657	0.31260	0.26021	0.21018	0.16331	0.12043	0.08232	0.04971	0.02305	0.00244
-0.10	0.50809	0.43618	0.36556	0.29705	0.23152	0.16993	0.11343	0.06334	0.02114	-0.01176	-0.03472
-0.05	0.61513	0.52146	0.42974	0.34064	0.25490	0.17346	0.09756	0.02896	-0.02956	-0.07370	-0.09847
0.00	0.74653	0.62622	0.50881	0.39453	0.28371	0.17680	0.07442	-0.02245	-0.11213	-0.19106	-0.24223
0.05	0.86310	0.71545	0.57146	0.43087	0.29345	0.15897	0.02709	-0.10285	-0.23222	-0.36440	-0.28883
0.10	0.92618	0.75485	0.58735	0.42311	0.26156	0.10202	-0.05637	-0.21477	-0.37488	-0.32107	-0.27131
0.15	0.94147	0.75022	0.56267	0.37814	0.19592	0.01522	-0.16484	-0.34531	-0.30938	-0.27359	-0.23952
0.20	0.91494	0.70733	0.50317	0.30179	0.10251	-0.09539	-0.29269	-0.27207	-0.24953	-0.22627	-0.20331
0.25	0.85224	0.63140	0.41373	0.19864	-0.01446	-0.22619	-0.21894	-0.20843	-0.19567	-0.18157	-0.16690
0.30	0.75836	0.52691	0.29837	0.07224	-0.15197	-0.15643	-0.15666	-0.15359	-0.14806	-0.14079	-0.13241
0.35	0.63751	0.39761	0.16037	-0.07461	-0.08927	-0.09895	-0.10456	-0.10691	-0.10670	-0.10453	-0.10093
0.40	0.49321	0.24658	0.00240	-0.02103	-0.03891	-0.05214	-0.06152	-0.06773	-0.07137	-0.07297	-0.07298
0.45	0.32833	0.07636	0.04546	0.02060	0.00083	-0.01464	-0.02651	-0.03537	-0.04174	-0.04606	-0.04872
0.50	0.14519	0.10803	0.07733	0.05209	0.03147	0.01477	0.00140	-0.00916	-0.01734	-0.02355	-0.02810
0.55	0.16498	0.12952	0.09982	0.07500	0.05433	0.03720	0.02311	0.01160	0.00230	-0.00512	-0.01096
0.60	0.17575	0.14258	0.11449	0.09071	0.07061	0.05366	0.03944	0.02757	0.01772	0.00960	0.00297
0.65	0.17922	0.14877	0.12272	0.10043	0.08136	0.06507	0.05119	0.03939	0.02942	0.02103	0.01400
0.70	0.17687	0.14942	0.12574	0.10526	0.08756	0.07226	0.05905	0.04769	0.03792	0.02957	0.02245
0.75	0.17004	0.14577	0.12463	0.10619	0.09007	0.07600	0.06372	0.05302	0.04371	0.03564	0.02865
0.80	0.15995	0.13891	0.12040	0.10409	0.08970	0.07700	0.06580	0.05593	0.04725	0.03963	0.03296
0.85	0.14769	0.12982	0.11393	0.09977	0.08714	0.07588	0.06585	0.05691	0.04897	0.04192	0.03567
0.90	0.13428	0.11940	0.10601	0.09393	0.08304	0.07321	0.06436	0.05640	0.04925	0.04283	0.03709
0.95	0.12053	0.10841	0.09732	0.08719	0.07793	0.06949	0.06179	0.05480	0.04845	0.04269	0.03749
1.00	0.10718	0.09747	0.08843	0.08004	0.07228	0.06511	0.05850	0.05243	0.04685	0.04176	0.03710
1.05	0.09472	0.08703	0.07974	0.07288	0.06643	0.06041	0.05479	0.04957	0.04473	0.04026	0.03614
1.10	0.08344	0.07739	0.07155	0.06598	0.06067	0.05564	0.05090	0.04644	0.04228	0.03839	0.03477
1.15	0.07344	0.06868	0.06403	0.05951	0.05516	0.05098	0.04700	0.04322	0.03965	0.03629	0.03313
1.20	0.06470	0.06095	0.05723	0.05358	0.05001	0.04655	0.04322	0.04003	0.03698	0.03409	0.03135
1.25	0.05712	0.05415	0.05117	0.04821	0.04528	0.04242	0.03963	0.03694	0.03435	0.03186	0.02949
1.30	0.05058	0.04821	0.04581	0.04339	0.04099	0.03861	0.03628	0.03401	0.03181	0.02968	0.02763
1.35	0.04493	0.04302	0.04108	0.03910	0.03712	0.03514	0.03319	0.03127	0.02940	0.02757	0.02581
1.40	0.04005	0.03851	0.03691	0.03529	0.03365	0.03200	0.03036	0.02873	0.02714	0.02558	0.02405
1.45	0.03582	0.03456	0.03325	0.03191	0.03054	0.02916	0.02778	0.02640	0.02504	0.02370	0.02239
1.50	0.03215	0.03112	0.03003	0.02891	0.02777	0.02661	0.02544	0.02427	0.02310	0.02195	0.02082
1.55	0.02896	0.02809	0.02719	0.02625	0.02529	0.02431	0.02332	0.02232	0.02132	0.02033	0.01935
1.60	0.02616	0.02544	0.02468	0.02389	0.02308	0.02225	0.02140	0.02055	0.01969	0.01883	0.01798
1.65	0.02371	0.02310	0.02246	0.02179	0.02110	0.02039	0.01967	0.01893	0.01819	0.01745	0.01671
1.70	0.02154	0.02103	0.02049	0.01992	0.01933	0.01873	0.01810	0.01747	0.01683	0.01619	0.01554
1.75	0.01964	0.01920	0.01874	0.01825	0.01775	0.01722	0.01669	0.01614	0.01558	0.01502	0.01446
1.80	0.01794	0.01757	0.01717	0.01676	0.01632	0.01587	0.01541	0.01493	0.01445	0.01396	0.01347
1.85	0.01644	0.01612	0.01578	0.01542	0.01504	0.01465	0.01424	0.01383	0.01341	0.01298	0.01255
1.90	0.01509	0.01482	0.01452	0.01421	0.01388	0.01354	0.01319	0.01283	0.01246	0.01208	0.01170
1.95	0.01389	0.01365	0.01339	0.01312	0.01284	0.01254	0.01223	0.01192	0.01159	0.01126	0.01093
2.00	0.01281	0.01260	0.01238	0.01214	0.01189	0.01163	0.01136	0.01109	0.01080	0.01051	0.01021

TABLE III. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(c) Continued. Half cone angle, 30.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50
-1.00	0.02417	0.02283	0.02151	0.02023	0.01897	0.01776	0.01659	0.01546	0.01438	0.01334	0.01236
-0.95	0.02611	0.02456	0.02305	0.02157	0.02014	0.01876	0.01743	0.01616	0.01495	0.01380	0.01270
-0.90	0.02821	0.02641	0.02466	0.02297	0.02133	0.01976	0.01826	0.01683	0.01547	0.01419	0.01298
-0.85	0.03047	0.02838	0.02635	0.02440	0.02253	0.02074	0.01904	0.01743	0.01592	0.01449	0.01315
-0.80	0.03287	0.03044	0.02809	0.02584	0.02370	0.02166	0.01974	0.01794	0.01624	0.01466	0.01319
-0.75	0.03541	0.03257	0.02984	0.02725	0.02480	0.02249	0.02032	0.01829	0.01641	0.01466	0.01305
-0.70	0.03806	0.03473	0.03157	0.02858	0.02577	0.02314	0.02070	0.01844	0.01635	0.01443	0.01267
-0.65	0.04075	0.03686	0.03318	0.02974	0.02653	0.02355	0.02081	0.01829	0.01599	0.01390	0.01200
-0.60	0.04343	0.03886	0.03459	0.03063	0.02697	0.02361	0.02054	0.01776	0.01525	0.01299	0.01096
-0.55	0.04595	0.04059	0.03564	0.03109	0.02693	0.02316	0.01976	0.01672	0.01400	0.01159	0.00946
-0.50	0.04814	0.04186	0.03612	0.03091	0.02622	0.02203	0.01830	0.01500	0.01211	0.00958	0.00739
-0.45	0.04971	0.04237	0.03574	0.02982	0.02458	0.01996	0.01593	0.01243	0.00941	0.00683	0.00463
-0.40	0.05026	0.04169	0.03410	0.02743	0.02164	0.01665	0.01238	0.00876	0.00572	0.00318	0.00107
-0.35	0.04918	0.03925	0.03063	0.02323	0.01696	0.01170	0.00733	0.00374	0.00082	-0.00153	-0.00341
-0.30	0.04559	0.03417	0.02453	0.01651	0.00994	0.00464	0.00041	-0.00292	-0.00549	-0.00745	-0.00892
-0.25	0.03815	0.02522	0.01472	0.00637	-0.00013	-0.00509	-0.00879	-0.01149	-0.01339	-0.01467	-0.01548
-0.20	0.02485	0.01058	-0.00034	-0.00839	-0.01413	-0.01806	-0.02062	-0.02215	-0.02294	-0.02319	-0.02306
-0.15	0.00244	-0.01254	-0.02274	-0.02920	-0.03291	-0.03471	-0.03522	-0.03489	-0.03401	-0.03282	-0.03143
-0.10	-0.03472	-0.04852	-0.05529	-0.05746	-0.05694	-0.05495	-0.05224	-0.04921	-0.04613	-0.04310	-0.04020
-0.05	-0.09847	-0.10457	-0.10053	-0.09311	-0.08508	-0.07740	-0.07035	-0.06400	-0.05833	-0.05326	-0.04874
0.00	-0.24223	-0.18460	-0.15303	-0.13028	-0.11271	-0.09863	-0.08707	-0.07742	-0.06926	-0.06228	-0.05625
0.05	-0.28883	-0.22943	-0.18673	-0.15572	-0.13233	-0.11407	-0.09944	-0.08746	-0.07751	-0.06913	-0.06200
0.10	-0.27131	-0.22805	-0.19221	-0.16323	-0.13991	-0.12103	-0.10558	-0.09281	-0.08213	-0.07311	-0.06543
0.15	-0.23952	-0.20838	-0.18087	-0.15715	-0.13696	-0.11990	-0.10548	-0.09327	-0.08288	-0.07399	-0.06635
0.20	-0.20331	-0.18146	-0.16128	-0.14307	-0.12691	-0.11272	-0.10033	-0.08956	-0.08019	-0.07203	-0.06491
0.25	-0.16690	-0.15228	-0.13819	-0.12495	-0.11275	-0.10166	-0.09167	-0.08275	-0.07480	-0.06774	-0.06147
0.30	-0.13241	-0.12344	-0.11430	-0.10529	-0.09664	-0.08848	-0.08090	-0.07392	-0.06755	-0.06176	-0.05652
0.35	-0.10093	-0.09636	-0.09116	-0.08565	-0.08003	-0.07448	-0.06911	-0.06399	-0.05918	-0.05470	-0.05055
0.40	-0.07298	-0.07178	-0.06969	-0.06699	-0.06388	-0.06055	-0.05712	-0.05369	-0.05033	-0.04708	-0.04399
0.45	-0.04872	-0.05006	-0.05036	-0.04988	-0.04880	-0.04730	-0.04551	-0.04353	-0.04145	-0.03933	-0.03722
0.50	-0.02810	-0.03130	-0.03340	-0.03462	-0.03513	-0.03510	-0.03465	-0.03389	-0.03291	-0.03176	-0.03052
0.55	-0.01096	-0.01547	-0.01886	-0.02134	-0.02306	-0.02417	-0.02479	-0.02502	-0.02493	-0.02462	-0.02412
0.60	0.00297	-0.00239	-0.00667	-0.01004	-0.01264	-0.01461	-0.01604	-0.01704	-0.01769	-0.01804	-0.01816
0.65	0.01400	0.00815	0.00332	-0.00064	-0.00385	-0.00642	-0.00846	-0.01004	-0.01124	-0.01213	-0.01275
0.70	0.02245	0.01640	0.01129	0.00699	0.00340	0.00043	-0.00202	-0.00402	-0.00564	-0.00692	-0.00793
0.75	0.02865	0.02263	0.01745	0.01302	0.00924	0.00603	0.00332	0.00104	-0.00086	-0.00243	-0.00372
0.80	0.03296	0.02712	0.02204	0.01762	0.01380	0.01049	0.00765	0.00521	0.00314	0.00137	-0.00012
0.85	0.03567	0.03015	0.02528	0.02099	0.01723	0.01394	0.01107	0.00857	0.00640	0.00452	0.00290
0.90	0.03709	0.03196	0.02739	0.02332	0.01970	0.01650	0.01368	0.01118	0.00899	0.00707	0.00539
0.95	0.03749	0.03279	0.02856	0.02476	0.02136	0.01831	0.01558	0.01316	0.01100	0.00909	0.00740
1.00	0.03710	0.03286	0.02900	0.02551	0.02234	0.01948	0.01690	0.01458	0.01250	0.01063	0.00896
1.05	0.03614	0.03235	0.02887	0.02569	0.02278	0.02013	0.01772	0.01554	0.01355	0.01176	0.01015
1.10	0.03477	0.03141	0.02830	0.02543	0.02279	0.02036	0.01814	0.01610	0.01424	0.01255	0.01101
1.15	0.03313	0.03018	0.02742	0.02486	0.02248	0.02027	0.01823	0.01636	0.01463	0.01304	0.01159
1.20	0.03135	0.02876	0.02633	0.02405	0.02192	0.01993	0.01808	0.01636	0.01477	0.01329	0.01193
1.25	0.02949	0.02724	0.02510	0.02309	0.02119	0.01940	0.01773	0.01617	0.01471	0.01335	0.01209
1.30	0.02763	0.02567	0.02380	0.02202	0.02034	0.01874	0.01724	0.01583	0.01450	0.01326	0.01210
1.35	0.02581	0.02411	0.02247	0.02091	0.01942	0.01800	0.01665	0.01538	0.01418	0.01304	0.01198
1.40	0.02405	0.02258	0.02115	0.01978	0.01846	0.01720	0.01600	0.01485	0.01377	0.01274	0.01177
1.45	0.02239	0.02110	0.01986	0.01866	0.01749	0.01638	0.01530	0.01428	0.01330	0.01237	0.01148
1.50	0.02082	0.01970	0.01862	0.01756	0.01653	0.01554	0.01459	0.01367	0.01279	0.01195	0.01115
1.55	0.01935	0.01838	0.01743	0.01650	0.01560	0.01472	0.01387	0.01305	0.01226	0.01150	0.01077
1.60	0.01798	0.01714	0.01631	0.01549	0.01470	0.01392	0.01316	0.01243	0.01172	0.01104	0.01038
1.65	0.01671	0.01598	0.01525	0.01453	0.01383	0.01314	0.01247	0.01181	0.01118	0.01056	0.00997
1.70	0.01554	0.01490	0.01426	0.01363	0.01301	0.01240	0.01180	0.01121	0.01064	0.01009	0.00955
1.75	0.01446	0.01390	0.01334	0.01278	0.01223	0.01169	0.01115	0.01063	0.01012	0.00962	0.00914
1.80	0.01347	0.01297	0.01248	0.01199	0.01150	0.01101	0.01054	0.01007	0.00961	0.00916	0.00873
1.85	0.01255	0.01211	0.01168	0.01124	0.01081	0.01038	0.00995	0.00954	0.00912	0.00872	0.00832
1.90	0.01170	0.01132	0.01093	0.01055	0.01016	0.00978	0.00940	0.00903	0.00866	0.00829	0.00793
1.95	0.01093	0.01059	0.01025	0.00990	0.00956	0.00922	0.00888	0.00854	0.00821	0.00788	0.00756
2.00	0.01021	0.00991	0.00961	0.00930	0.00899	0.00869	0.00838	0.00808	0.00778	0.00749	0.00719

TABLE III. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(c) Concluded. Half cone angle, 30.0.

Dimensionless axial position, ζ_j	Dimensionless radius, ρ										
	1.50	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00
-1.00	0.01236	0.01142	0.01053	0.00969	0.00890	0.00816	0.00746	0.00680	0.00619	0.00562	0.00508
-0.95	0.01270	0.01167	0.01070	0.00978	0.00892	0.00812	0.00736	0.00666	0.00601	0.00541	0.00485
-0.90	0.01298	0.01184	0.01077	0.00978	0.00885	0.00798	0.00718	0.00643	0.00575	0.00511	0.00453
-0.85	0.01315	0.01190	0.01074	0.00966	0.00866	0.00773	0.00688	0.00609	0.00537	0.00471	0.00411
-0.80	0.01319	0.01182	0.01056	0.00940	0.00833	0.00734	0.00644	0.00562	0.00487	0.00419	0.00357
-0.75	0.01305	0.01156	0.01020	0.00896	0.00782	0.00679	0.00585	0.00500	0.00423	0.00353	0.00291
-0.70	0.01267	0.01107	0.00962	0.00830	0.00710	0.00603	0.00506	0.00419	0.00341	0.00272	0.00210
-0.65	0.01200	0.01029	0.00875	0.00737	0.00613	0.00503	0.00405	0.00318	0.00241	0.00173	0.00113
-0.60	0.01096	0.00915	0.00755	0.00612	0.00486	0.00375	0.00278	0.00193	0.00119	0.00054	-0.00002
-0.55	0.00946	0.00758	0.00594	0.00450	0.00325	0.00216	0.00123	0.00042	-0.00027	-0.00086	-0.00136
-0.50	0.00739	0.00548	0.00384	0.00244	0.00124	0.00022	-0.00065	-0.00137	-0.00198	-0.00248	-0.00289
-0.45	0.00463	0.00277	0.00119	-0.00012	-0.00122	-0.00212	-0.00286	-0.00347	-0.00395	-0.00433	-0.00463
-0.40	0.00107	-0.00067	-0.00208	-0.00323	-0.00415	-0.00487	-0.00544	-0.00587	-0.00619	-0.00642	-0.00657
-0.35	-0.00341	-0.00489	-0.00605	-0.00692	-0.00758	-0.00805	-0.00838	-0.00858	-0.00869	-0.00872	-0.00868
-0.30	-0.00892	-0.00998	-0.01073	-0.01122	-0.01151	-0.01164	-0.01165	-0.01157	-0.01141	-0.01120	-0.01095
-0.25	-0.01548	-0.01593	-0.01610	-0.01607	-0.01588	-0.01558	-0.01521	-0.01477	-0.01431	-0.01382	-0.01332
-0.20	-0.02306	-0.02266	-0.02208	-0.02138	-0.02060	-0.01979	-0.01895	-0.01812	-0.01730	-0.01650	-0.01573
-0.15	-0.03143	-0.02996	-0.02846	-0.02696	-0.02551	-0.02411	-0.02277	-0.02150	-0.02030	-0.01917	-0.01811
-0.10	-0.04020	-0.03748	-0.03493	-0.03256	-0.03037	-0.02835	-0.02649	-0.02477	-0.02318	-0.02172	-0.02037
-0.05	-0.04874	-0.04470	-0.04108	-0.03784	-0.03492	-0.03229	-0.02991	-0.02776	-0.02581	-0.02404	-0.02242
0.00	-0.05625	-0.05102	-0.04644	-0.04241	-0.03885	-0.03568	-0.03286	-0.03033	-0.02806	-0.02601	-0.02416
0.05	-0.06200	-0.05587	-0.05057	-0.04594	-0.04189	-0.03831	-0.03514	-0.03233	-0.02981	-0.02755	-0.02552
0.10	-0.06543	-0.05884	-0.05313	-0.04817	-0.04383	-0.04001	-0.03664	-0.03364	-0.03097	-0.02858	-0.02644
0.15	-0.06635	-0.05975	-0.05400	-0.04899	-0.04459	-0.04071	-0.03727	-0.03422	-0.03149	-0.02905	-0.02687
0.20	-0.06491	-0.05868	-0.05322	-0.04840	-0.04415	-0.04038	-0.03703	-0.03404	-0.03137	-0.02896	-0.02680
0.25	-0.06147	-0.05591	-0.05096	-0.04656	-0.04263	-0.03912	-0.03598	-0.03316	-0.03062	-0.02833	-0.02626
0.30	-0.05652	-0.05179	-0.04752	-0.04367	-0.04019	-0.03705	-0.03422	-0.03165	-0.02932	-0.02721	-0.02529
0.35	-0.05055	-0.04672	-0.04320	-0.03998	-0.03703	-0.03433	-0.03187	-0.02961	-0.02755	-0.02567	-0.02394
0.40	-0.04399	-0.04107	-0.03832	-0.03575	-0.03336	-0.03114	-0.02908	-0.02718	-0.02542	-0.02379	-0.02228
0.45	-0.03722	-0.03515	-0.03314	-0.03121	-0.02938	-0.02764	-0.02600	-0.02446	-0.02301	-0.02166	-0.02039
0.50	-0.03052	-0.02922	-0.02790	-0.02657	-0.02526	-0.02399	-0.02276	-0.02157	-0.02044	-0.01937	-0.01834
0.55	-0.02412	-0.02349	-0.02277	-0.02199	-0.02116	-0.02032	-0.01947	-0.01863	-0.01780	-0.01699	-0.01620
0.60	-0.01816	-0.01810	-0.01790	-0.01759	-0.01719	-0.01673	-0.01623	-0.01570	-0.01515	-0.01459	-0.01404
0.65	-0.01275	-0.01316	-0.01338	-0.01347	-0.01344	-0.01331	-0.01312	-0.01287	-0.01257	-0.01225	-0.01190
0.70	-0.00793	-0.00870	-0.00928	-0.00969	-0.00996	-0.01012	-0.01019	-0.01018	-0.01011	-0.00999	-0.00983
0.75	-0.00372	-0.00478	-0.00562	-0.00629	-0.00681	-0.00720	-0.00749	-0.00768	-0.00780	-0.00786	-0.00786
0.80	-0.00012	-0.00138	-0.00242	-0.00329	-0.00400	-0.00457	-0.00504	-0.00540	-0.00567	-0.00588	-0.00602
0.85	0.00290	0.00152	0.00033	-0.00068	-0.00153	-0.00225	-0.00284	-0.00334	-0.00374	-0.00407	-0.00433
0.90	0.00539	0.00393	0.00266	0.00155	0.00060	-0.00022	-0.00092	-0.00151	-0.00202	-0.00244	-0.00280
0.95	0.00740	0.00590	0.00458	0.00343	0.00241	0.00153	0.00076	0.00009	-0.00049	-0.00099	-0.00142
1.00	0.00896	0.00747	0.00615	0.00497	0.00392	0.00300	0.00218	0.00146	0.00083	0.00028	-0.00020
1.05	0.01015	0.00869	0.00738	0.00621	0.00516	0.00422	0.00338	0.00263	0.00197	0.00138	0.00086
1.10	0.01101	0.00960	0.00833	0.00719	0.00615	0.00521	0.00437	0.00361	0.00293	0.00232	0.00178
1.15	0.01159	0.01025	0.00904	0.00793	0.00692	0.00600	0.00517	0.00441	0.00373	0.00311	0.00255
1.20	0.01193	0.01068	0.00953	0.00847	0.00750	0.00661	0.00580	0.00506	0.00438	0.00376	0.00321
1.25	0.01209	0.01092	0.00984	0.00884	0.00791	0.00706	0.00628	0.00556	0.00490	0.00430	0.00374
1.30	0.01210	0.01101	0.01000	0.00906	0.00819	0.00738	0.00663	0.00594	0.00531	0.00472	0.00418
1.35	0.01198	0.01098	0.01004	0.00917	0.00835	0.00759	0.00688	0.00622	0.00561	0.00504	0.00452
1.40	0.01177	0.01085	0.00998	0.00917	0.00841	0.00770	0.00703	0.00641	0.00583	0.00528	0.00478
1.45	0.01148	0.01064	0.00985	0.00910	0.00839	0.00773	0.00710	0.00652	0.00597	0.00545	0.00497
1.50	0.01115	0.01038	0.00966	0.00897	0.00831	0.00769	0.00711	0.00656	0.00604	0.00556	0.00510
1.55	0.01077	0.01008	0.00941	0.00878	0.00818	0.00761	0.00707	0.00655	0.00607	0.00561	0.00518
1.60	0.01038	0.00975	0.00914	0.00856	0.00801	0.00748	0.00698	0.00650	0.00605	0.00562	0.00521
1.65	0.00997	0.00939	0.00884	0.00831	0.00781	0.00732	0.00686	0.00641	0.00599	0.00559	0.00521
1.70	0.00955	0.00903	0.00853	0.00805	0.00758	0.00714	0.00671	0.00630	0.00591	0.00553	0.00517
1.75	0.00914	0.00867	0.00821	0.00777	0.00734	0.00693	0.00654	0.00616	0.00580	0.00545	0.00512
1.80	0.00873	0.00830	0.00788	0.00748	0.00709	0.00672	0.00635	0.00601	0.00567	0.00535	0.00504
1.85	0.00832	0.00794	0.00756	0.00719	0.00684	0.00649	0.00616	0.00584	0.00553	0.00523	0.00494
1.90	0.00793	0.00758	0.00724	0.00691	0.00658	0.00627	0.00596	0.00566	0.00538	0.00510	0.00483
1.95	0.00756	0.00724	0.00693	0.00662	0.00633	0.00604	0.00576	0.00548	0.00522	0.00496	0.00471
2.00	0.00719	0.00691	0.00662	0.00635	0.00607	0.00581	0.00555	0.00530	0.00506	0.00482	0.00459

TABLE III. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_z/\mu_0 L$, FOR FIELD POINT INCREMENTS OF 0.05

(d) Half cone angle, 45.0.

Dimensionless axial position, ζ	Dimensionless radius, ρ										
	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50
-1.00	0.17372	0.17317	0.17153	0.16882	0.16511	0.16045	0.15494	0.14867	0.14175	0.13430	0.12643
-0.95	0.19233	0.19169	0.18977	0.18663	0.18231	0.17691	0.17052	0.16326	0.15527	0.14668	0.13764
-0.90	0.21351	0.21276	0.21053	0.20686	0.20183	0.19554	0.18811	0.17969	0.17043	0.16050	0.15007
-0.85	0.23770	0.23682	0.23420	0.22991	0.22403	0.21669	0.20802	0.19822	0.18747	0.17596	0.16391
-0.80	0.26541	0.26438	0.26131	0.25627	0.24937	0.24076	0.23063	0.21919	0.20666	0.19328	0.17931
-0.75	0.29727	0.29605	0.29243	0.28649	0.27837	0.26825	0.25637	0.24296	0.22832	0.21274	0.19649
-0.70	0.33401	0.33257	0.32829	0.32126	0.31167	0.29974	0.28574	0.27000	0.25284	0.23462	0.21569
-0.65	0.37655	0.37484	0.36974	0.36140	0.35002	0.33590	0.31936	0.30081	0.28064	0.25928	0.23716
-0.60	0.42598	0.42393	0.41785	0.40789	0.39435	0.37756	0.35796	0.33602	0.31224	0.28714	0.26122
-0.55	0.48364	0.48118	0.47388	0.46195	0.44574	0.42571	0.40239	0.37636	0.34824	0.31865	0.28821
-0.50	0.55120	0.54823	0.53941	0.52503	0.50554	0.48153	0.45367	0.42268	0.38933	0.35437	0.31853
-0.45	0.63074	0.62712	0.61639	0.59894	0.57537	0.54644	0.51302	0.47600	0.43633	0.39492	0.35263
-0.40	0.72486	0.72041	0.70724	0.68590	0.65720	0.62215	0.58186	0.53750	0.49018	0.44100	0.39101
-0.35	0.83693	0.83139	0.81505	0.78869	0.75345	0.71070	0.66191	0.60852	0.55194	0.49345	0.43425
-0.30	0.97138	0.96437	0.94378	0.91079	0.86707	0.81453	0.75511	0.69065	0.62282	0.55315	0.48300
-0.25	1.13418	1.12512	1.09863	1.05662	1.00168	0.93653	0.86375	0.78563	0.70417	0.62111	0.53796
-0.20	1.33386	1.32170	1.28658	1.23185	1.16169	1.08005	0.99035	0.89538	0.79744	0.69841	0.59991
-0.15	1.58332	1.56608	1.51731	1.44371	1.35231	1.24884	1.13763	1.02190	0.90411	0.78617	0.66968
-0.10	1.90448	1.87740	1.80455	1.70125	1.57945	1.44685	1.30833	1.16716	1.02565	0.88552	0.74816
-0.05	2.34341	2.29011	2.16750	2.01492	1.84914	1.67781	1.50493	1.33293	1.16340	0.99752	0.83622
0.00	3.11613	2.86925	2.62863	2.39429	2.16626	1.94457	1.72931	1.52056	1.31843	1.12309	0.93473
0.05	3.87634	3.43588	3.07724	2.76110	2.47074	2.19862	1.94086	1.69521	1.46030	1.23524	1.01949
0.10	4.27781	3.81112	3.40264	3.03709	2.70257	2.39148	2.09903	1.82210	1.55860	1.30706	1.06643
0.15	4.53664	4.06007	3.62740	3.23196	2.86676	2.52614	2.20585	1.90279	1.61468	1.33979	1.07680
0.20	4.69903	4.21732	3.77087	3.35631	2.96952	2.60656	2.26408	1.93936	1.63023	1.33495	1.05207
0.25	4.78709	4.30224	3.84699	3.41943	3.01700	2.63697	2.27678	1.93419	1.60723	1.29426	0.99384
0.30	4.81393	4.32697	3.86565	3.42880	3.01472	2.62147	2.24709	1.88974	1.54773	1.21954	0.90378
0.35	4.78826	4.29979	3.83408	3.39034	2.96737	2.56375	2.17795	1.80845	1.45378	1.11257	0.78353
0.40	4.71626	4.22667	3.75768	3.30871	2.87888	2.46707	2.07207	1.69258	1.32734	0.97510	0.63466
0.45	4.60248	4.11204	3.64057	3.18761	2.75245	2.33419	1.93180	1.54418	1.17019	0.80871	0.45862
0.50	4.45033	3.95926	3.48593	3.02995	2.59071	2.16743	1.75922	1.36507	0.98397	0.61488	0.25675
0.55	4.26234	3.77082	3.29615	2.83797	2.39573	1.96869	1.55603	1.15681	0.77010	0.39489	0.28658
0.60	4.04032	3.54852	3.07299	2.61338	2.16912	1.73948	1.32365	0.92073	0.52979	0.40696	0.30594
0.65	3.78541	3.29349	2.81760	2.35732	1.91204	1.48096	1.06322	0.65790	0.52206	0.40967	0.31642
0.70	3.49804	3.00621	2.53052	2.07044	1.62521	1.19391	0.77557	0.62834	0.50643	0.40468	0.31948
0.75	3.17786	2.68637	2.21161	1.75282	1.30895	0.87882	0.72200	0.59274	0.48464	0.39353	0.31649
0.80	2.82341	2.33266	1.85993	1.40394	0.96309	0.79876	0.66482	0.55299	0.45833	0.37766	0.30871
0.85	2.43151	1.94225	1.47341	1.02255	0.85339	0.71834	0.60610	0.51082	0.42901	0.35838	0.29729
0.90	1.99567	1.50960	1.04843	0.87870	0.74797	0.63995	0.54777	0.46785	0.39804	0.33687	0.28327
0.95	1.50072	1.02365	0.86328	0.74676	0.64988	0.56579	0.49152	0.42546	0.36659	0.31415	0.26754
1.00	0.87133	0.78571	0.70558	0.63092	0.56163	0.49761	0.43872	0.38479	0.33565	0.29108	0.25086
1.05	0.63670	0.61930	0.58025	0.53342	0.48465	0.43652	0.39031	0.34667	0.30597	0.26835	0.23387
1.10	0.51431	0.50598	0.48395	0.45358	0.41902	0.38289	0.34676	0.31161	0.27806	0.24647	0.21706
1.15	0.42855	0.42353	0.40949	0.38878	0.36378	0.33643	0.30812	0.27984	0.25224	0.22579	0.20078
1.20	0.36383	0.36045	0.35079	0.33599	0.31745	0.29649	0.27417	0.25135	0.22864	0.20651	0.18528
1.25	0.31301	0.31059	0.30358	0.29261	0.27854	0.26223	0.24449	0.22598	0.20726	0.18873	0.17071
1.30	0.27205	0.27025	0.26497	0.25661	0.24570	0.23283	0.21859	0.20350	0.18800	0.17245	0.15715
1.35	0.23843	0.23704	0.23296	0.22644	0.21783	0.20755	0.19600	0.18361	0.17072	0.15764	0.14463
1.40	0.21042	0.20933	0.20612	0.20094	0.19404	0.18571	0.17627	0.16603	0.15525	0.14421	0.13312
1.45	0.18683	0.18595	0.18337	0.17920	0.17360	0.16679	0.15900	0.15047	0.14143	0.13207	0.12258
1.50	0.16675	0.16605	0.16395	0.16054	0.15595	0.15032	0.14385	0.13670	0.12906	0.12110	0.11296
1.55	0.14954	0.14896	0.14723	0.14442	0.14061	0.13593	0.13050	0.12448	0.11800	0.11119	0.10420
1.60	0.13467	0.13419	0.13275	0.13041	0.12723	0.12330	0.11872	0.11361	0.10808	0.10225	0.09621
1.65	0.12175	0.12134	0.12014	0.11817	0.11549	0.11217	0.10829	0.10393	0.09919	0.09417	0.08894
1.70	0.11045	0.11011	0.10909	0.10743	0.10516	0.10233	0.09902	0.09529	0.09121	0.08686	0.08232
1.75	0.10053	0.10024	0.09937	0.09796	0.09602	0.09360	0.09076	0.08754	0.08402	0.08025	0.07629
1.80	0.09177	0.09152	0.09078	0.08957	0.08791	0.08583	0.08338	0.08060	0.07754	0.07425	0.07079
1.85	0.08401	0.08380	0.08316	0.08212	0.08068	0.07889	0.07676	0.07435	0.07168	0.06881	0.06577
1.90	0.07711	0.07692	0.07637	0.07547	0.07423	0.07267	0.07082	0.06871	0.06638	0.06387	0.06119
1.95	0.07094	0.07078	0.07031	0.06952	0.06844	0.06708	0.06547	0.06362	0.06158	0.05936	0.05700
2.00	0.06542	0.06528	0.06487	0.06418	0.06323	0.06205	0.06063	0.05901	0.05721	0.05526	0.05317

TABLE III. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(d) Continued. Half cone angle, 45.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00
-1.00	0.12643	0.11828	0.10994	0.10155	0.09320	0.08500	0.07703	0.06935	0.06204	0.05514	0.04868
-0.95	0.13764	0.12828	0.11875	0.10919	0.09971	0.09043	0.08144	0.07284	0.06469	0.05703	0.04991
-0.90	0.15007	0.13932	0.12839	0.11747	0.10668	0.09616	0.08603	0.07638	0.06728	0.05878	0.05094
-0.85	0.16391	0.15150	0.13895	0.12644	0.11414	0.10220	0.09075	0.07991	0.06974	0.06032	0.05167
-0.80	0.17931	0.16498	0.15052	0.13617	0.12211	0.10853	0.09557	0.08337	0.07201	0.06155	0.05203
-0.75	0.19649	0.17989	0.16320	0.14668	0.13058	0.11510	0.10042	0.08668	0.07397	0.06236	0.05188
-0.70	0.21569	0.19640	0.17708	0.15804	0.13956	0.12189	0.10522	0.08972	0.07550	0.06262	0.05111
-0.65	0.23716	0.21470	0.19228	0.17028	0.14903	0.12881	0.10985	0.09235	0.07643	0.06214	0.04951
-0.60	0.26122	0.23499	0.20892	0.18344	0.15894	0.13575	0.11417	0.09439	0.07655	0.06072	0.04689
-0.55	0.28821	0.25751	0.22712	0.19753	0.16922	0.14259	0.11796	0.09557	0.07558	0.05805	0.04296
-0.50	0.31853	0.28252	0.24700	0.21258	0.17980	0.14913	0.12097	0.09560	0.07319	0.05380	0.03738
-0.45	0.35263	0.31030	0.26870	0.22856	0.19051	0.15512	0.12285	0.09404	0.06891	0.04750	0.02973
-0.40	0.39101	0.34116	0.29237	0.24545	0.20118	0.16023	0.12315	0.09038	0.06217	0.03858	0.01947
-0.35	0.43425	0.37547	0.31814	0.26322	0.21158	0.16405	0.12130	0.08391	0.05220	0.02627	0.00590
-0.30	0.48300	0.41363	0.34620	0.28179	0.22142	0.16606	0.11659	0.07374	0.03801	0.00956	-0.01189
-0.25	0.53796	0.45608	0.37674	0.30112	0.23039	0.16569	0.10812	0.05870	0.01824	-0.01291	-0.03509
-0.20	0.59991	0.50334	0.41003	0.32123	0.23819	0.16226	0.09481	0.03730	-0.00896	-0.04312	-0.06541
-0.15	0.66968	0.55601	0.44644	0.34220	0.24462	0.15515	0.07549	0.00763	-0.04620	-0.08399	-0.10533
-0.10	0.74816	0.61476	0.48644	0.36434	0.24968	0.14397	0.04906	-0.03248	-0.09713	-0.14037	-0.15894
-0.05	0.83622	0.68035	0.53071	0.38818	0.25378	0.12880	0.01502	-0.08488	-0.16642	-0.22117	-0.23446
0.00	0.93473	0.75362	0.58009	0.41462	0.25782	0.11056	-0.02590	-0.14960	-0.25717	-0.34137	-0.36794
0.05	1.01949	0.81271	0.61475	0.42560	0.24541	0.07445	-0.08681	-0.23780	-0.37798	-0.50830	-0.38694
0.10	1.06643	0.83596	0.61509	0.40342	0.20063	0.00644	-0.17947	-0.35776	-0.52989	-0.44658	-0.36341
0.15	1.07680	0.82469	0.58261	0.34984	0.12569	-0.09054	-0.29977	-0.50332	-0.44987	-0.39016	-0.33019
0.20	1.05207	0.78041	0.51894	0.26672	0.02282	-0.21378	-0.44426	-0.41648	-0.37958	-0.33731	-0.29373
0.25	0.99384	0.70471	0.42575	0.15588	-0.10598	-0.36097	-0.35645	-0.34084	-0.31702	-0.28803	-0.25685
0.30	0.90378	0.59920	0.30465	0.01897	-0.25895	-0.27610	-0.28046	-0.27463	-0.26115	-0.24250	-0.22101
0.35	0.78353	0.46544	0.15714	-0.14250	-0.18010	-0.20334	-0.21476	-0.21670	-0.21137	-0.20087	-0.18707
0.40	0.63466	0.30487	-0.01539	-0.07236	-0.11346	-0.14128	-0.15815	-0.16614	-0.16722	-0.16314	-0.15550
0.45	0.45862	0.11884	0.04358	-0.01433	-0.05765	-0.08872	-0.10964	-0.12226	-0.12830	-0.12927	-0.12654
0.50	0.25675	0.16434	0.09074	0.03298	-0.01143	-0.04459	-0.06838	-0.08444	-0.09425	-0.09915	-0.10030
0.55	0.28658	0.19856	0.12753	0.07085	0.02631	-0.00796	-0.03361	-0.05210	-0.06471	-0.07260	-0.07680
0.60	0.30594	0.22302	0.15530	0.10047	0.05660	0.02204	-0.00464	-0.02471	-0.03931	-0.04942	-0.05595
0.65	0.31642	0.23911	0.17528	0.12291	0.08036	0.04620	0.01918	-0.00179	-0.01770	-0.02939	-0.03766
0.70	0.31948	0.24815	0.18862	0.13920	0.09847	0.06524	0.03844	0.01714	0.00048	-0.01227	-0.02178
0.75	0.31649	0.25134	0.19638	0.15024	0.11173	0.07985	0.05372	0.03253	0.01557	0.00221	-0.00813
0.80	0.30871	0.24979	0.19955	0.15689	0.12087	0.09065	0.06552	0.04480	0.02790	0.01428	0.00346
0.85	0.29729	0.24450	0.19899	0.15992	0.12655	0.09821	0.07433	0.05436	0.03780	0.02421	0.01317
0.90	0.28327	0.23639	0.19552	0.16003	0.12938	0.10306	0.08060	0.06158	0.04558	0.03224	0.02121
0.95	0.26754	0.22625	0.18982	0.15784	0.12991	0.10566	0.08473	0.06679	0.05150	0.03858	0.02775
1.00	0.25086	0.21476	0.18252	0.15390	0.12863	0.10644	0.08709	0.07031	0.05585	0.04348	0.03296
1.05	0.23387	0.20250	0.17414	0.14867	0.12594	0.10577	0.08799	0.07242	0.05885	0.04711	0.03701
1.10	0.21706	0.18992	0.16510	0.14254	0.12220	0.10397	0.08774	0.07337	0.06073	0.04968	0.04007
1.15	0.20078	0.17739	0.15574	0.13585	0.11772	0.10132	0.08657	0.07338	0.06168	0.05134	0.04226
1.20	0.18528	0.16517	0.14633	0.12885	0.11275	0.09804	0.08469	0.07265	0.06187	0.05225	0.04373
1.25	0.17071	0.15344	0.13708	0.12174	0.10748	0.09433	0.08229	0.07134	0.06144	0.05254	0.04459
1.30	0.15715	0.14233	0.12813	0.11469	0.10208	0.09035	0.07952	0.06959	0.06054	0.05233	0.04494
1.35	0.14463	0.13189	0.11957	0.10780	0.09667	0.08622	0.07650	0.06751	0.05926	0.05172	0.04487
1.40	0.13312	0.12215	0.11146	0.10116	0.09133	0.08204	0.07332	0.06521	0.05770	0.05079	0.04447
1.45	0.12258	0.11313	0.10384	0.09481	0.08614	0.07788	0.07007	0.06275	0.05593	0.04961	0.04380
1.50	0.11296	0.10480	0.09671	0.08880	0.08114	0.07379	0.06681	0.06021	0.05402	0.04826	0.04291
1.55	0.10420	0.09712	0.09007	0.08312	0.07636	0.06982	0.06357	0.05763	0.05203	0.04677	0.04187
1.60	0.09621	0.09007	0.08390	0.07780	0.07181	0.06600	0.06041	0.05506	0.04998	0.04520	0.04071
1.65	0.08894	0.08359	0.07819	0.07282	0.06752	0.06234	0.05733	0.05252	0.04792	0.04357	0.03946
1.70	0.08232	0.07765	0.07291	0.06817	0.06347	0.05886	0.05437	0.05003	0.04587	0.04191	0.03815
1.75	0.07629	0.07220	0.06803	0.06384	0.05966	0.05555	0.05152	0.04762	0.04386	0.04025	0.03682
1.80	0.07079	0.06720	0.06352	0.05981	0.05610	0.05242	0.04881	0.04529	0.04188	0.03860	0.03546
1.85	0.06577	0.06261	0.05936	0.05607	0.05276	0.04947	0.04623	0.04305	0.03996	0.03698	0.03411
1.90	0.06119	0.05840	0.05552	0.05260	0.04964	0.04670	0.04378	0.04091	0.03811	0.03539	0.03277
1.95	0.05700	0.05453	0.05198	0.04937	0.04673	0.04409	0.04146	0.03887	0.03633	0.03385	0.03146
2.00	0.05317	0.05098	0.04871	0.04638	0.04401	0.04164	0.03927	0.03692	0.03462	0.03236	0.03017

TABLE III. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(d) Continued. Half cone angle, 45.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50
-1.00	0.04868	0.04268	0.03716	0.03211	0.02752	0.02339	0.01968	0.01637	0.01344	0.01086	0.00859
-0.95	0.04991	0.04335	0.03734	0.03189	0.02698	0.02258	0.01867	0.01522	0.01219	0.00954	0.00723
-0.90	0.05094	0.04375	0.03723	0.03135	0.02611	0.02145	0.01735	0.01377	0.01065	0.00796	0.00564
-0.85	0.05167	0.04381	0.03674	0.03043	0.02485	0.01994	0.01567	0.01197	0.00880	0.00608	0.00378
-0.80	0.05203	0.04345	0.03580	0.02904	0.02312	0.01799	0.01356	0.00978	0.00658	0.00388	0.00163
-0.75	0.05188	0.04254	0.03429	0.02708	0.02084	0.01550	0.01097	0.00715	0.00396	0.00133	-0.00084
-0.70	0.05111	0.04094	0.03208	0.02443	0.01791	0.01241	0.00782	0.00401	0.00090	-0.00162	-0.00364
-0.65	0.04951	0.03850	0.02902	0.02097	0.01421	0.00862	0.00403	0.00032	-0.00265	-0.00499	-0.00681
-0.60	0.04689	0.03499	0.02492	0.01652	0.00961	0.00401	-0.00047	-0.00400	-0.00673	-0.00881	-0.01035
-0.55	0.04296	0.03019	0.01958	0.01091	0.00396	-0.00152	-0.00577	-0.00899	-0.01138	-0.01310	-0.01429
-0.50	0.03738	0.02376	0.01271	0.00393	-0.00290	-0.00809	-0.01194	-0.01471	-0.01662	-0.01787	-0.01860
-0.45	0.02973	0.01535	0.00402	-0.00467	-0.01115	-0.01582	-0.01906	-0.02119	-0.02248	-0.02312	-0.02329
-0.40	0.01947	0.00448	-0.00687	-0.01516	-0.02096	-0.02482	-0.02719	-0.02846	-0.02893	-0.02882	-0.02832
-0.35	0.00590	-0.00942	-0.02040	-0.02783	-0.03252	-0.03517	-0.03634	-0.03649	-0.03594	-0.03493	-0.03363
-0.30	-0.01189	-0.02707	-0.03705	-0.04298	-0.04596	-0.04690	-0.04648	-0.04521	-0.04342	-0.04135	-0.03915
-0.25	-0.03509	-0.04937	-0.05738	-0.06086	-0.06133	-0.05995	-0.05749	-0.05448	-0.05124	-0.04797	-0.04477
-0.20	-0.06541	-0.07747	-0.08196	-0.08161	-0.07853	-0.07410	-0.06914	-0.06409	-0.05921	-0.05461	-0.05034
-0.15	-0.10533	-0.11278	-0.11120	-0.10506	-0.09716	-0.08893	-0.08102	-0.07371	-0.06705	-0.06106	-0.05570
-0.10	-0.15894	-0.15694	-0.14491	-0.13038	-0.11635	-0.10371	-0.09259	-0.08290	-0.07445	-0.06709	-0.06066
-0.05	-0.23446	-0.21066	-0.18100	-0.15553	-0.13461	-0.11740	-0.10312	-0.09117	-0.08106	-0.07244	-0.06504
0.00	-0.36794	-0.26559	-0.21328	-0.17705	-0.14995	-0.12881	-0.11186	-0.09801	-0.08651	-0.07685	-0.06865
0.05	-0.38693	-0.29358	-0.23302	-0.19125	-0.16050	-0.13686	-0.11815	-0.10300	-0.09053	-0.08012	-0.07134
0.10	-0.36341	-0.29218	-0.23748	-0.19650	-0.16529	-0.14096	-0.12157	-0.10585	-0.09290	-0.08211	-0.07301
0.15	-0.33019	-0.27586	-0.23035	-0.19371	-0.16449	-0.14105	-0.12206	-0.10649	-0.09358	-0.08276	-0.07362
0.20	-0.29373	-0.25251	-0.21598	-0.18491	-0.15903	-0.13759	-0.11982	-0.10502	-0.09259	-0.08210	-0.07317
0.25	-0.25685	-0.22606	-0.19750	-0.17209	-0.15008	-0.13126	-0.11527	-0.10168	-0.09010	-0.08021	-0.07172
0.30	-0.22101	-0.19867	-0.17697	-0.15685	-0.13875	-0.12280	-0.10887	-0.09679	-0.08632	-0.07725	-0.06937
0.35	-0.18707	-0.17161	-0.15574	-0.14035	-0.12597	-0.11287	-0.10113	-0.09070	-0.08150	-0.07339	-0.06626
0.40	-0.15550	-0.14565	-0.13469	-0.12344	-0.11245	-0.10208	-0.09249	-0.08375	-0.07588	-0.06882	-0.06252
0.45	-0.12654	-0.12127	-0.11441	-0.10672	-0.09875	-0.09087	-0.08332	-0.07625	-0.06971	-0.06373	-0.05829
0.50	-0.10030	-0.09873	-0.09527	-0.09061	-0.08526	-0.07962	-0.07396	-0.06845	-0.06321	-0.05829	-0.05372
0.55	-0.07680	-0.07818	-0.07750	-0.07537	-0.07229	-0.06862	-0.06465	-0.06058	-0.05655	-0.05265	-0.04894
0.60	-0.05595	-0.05967	-0.06124	-0.06120	-0.06002	-0.05805	-0.05558	-0.05281	-0.04990	-0.04695	-0.04406
0.65	-0.03766	-0.04318	-0.04652	-0.04819	-0.04860	-0.04808	-0.04690	-0.04528	-0.04338	-0.04131	-0.03917
0.70	-0.02178	-0.02864	-0.03336	-0.03639	-0.03810	-0.03879	-0.03872	-0.03810	-0.03709	-0.03581	-0.03436
0.75	-0.00813	-0.01596	-0.02172	-0.02581	-0.02855	-0.03024	-0.03110	-0.03134	-0.03110	-0.03052	-0.02969
0.80	0.00346	-0.00502	-0.01153	-0.01641	-0.01997	-0.02246	-0.02409	-0.02504	-0.02547	-0.02550	-0.02522
0.85	0.01317	0.00432	-0.00269	-0.00816	-0.01233	-0.01544	-0.01769	-0.01924	-0.02023	-0.02078	-0.02099
0.90	0.02121	0.01218	0.00487	-0.00098	-0.00560	-0.00919	-0.01192	-0.01395	-0.01541	-0.01640	-0.01701
0.95	0.02775	0.01872	0.01128	0.00520	0.00028	-0.00366	-0.00676	-0.00917	-0.01100	-0.01235	-0.01332
1.00	0.03296	0.02408	0.01664	0.01045	0.00535	0.00119	-0.00219	-0.00488	-0.00701	-0.00866	-0.00992
1.05	0.03701	0.02838	0.02105	0.01487	0.00969	0.00538	0.00183	-0.00108	-0.00343	-0.00531	-0.00680
1.10	0.04007	0.03176	0.02462	0.01853	0.01335	0.00898	0.00532	0.00228	-0.00024	-0.00230	-0.00397
1.15	0.04226	0.03434	0.02745	0.02151	0.01640	0.01204	0.00833	0.00520	0.00257	0.00038	-0.00143
1.20	0.04373	0.03622	0.02964	0.02389	0.01891	0.01460	0.01090	0.00773	0.00504	0.00276	0.00085
1.25	0.04459	0.03752	0.03126	0.02575	0.02092	0.01671	0.01306	0.00990	0.00718	0.00485	0.00287
1.30	0.04494	0.03831	0.03240	0.02715	0.02251	0.01843	0.01485	0.01173	0.00902	0.00667	0.00465
1.35	0.04487	0.03869	0.03313	0.02816	0.02372	0.01979	0.01632	0.01326	0.01058	0.00824	0.00620
1.40	0.04447	0.03872	0.03352	0.02882	0.02461	0.02085	0.01749	0.01452	0.01189	0.00958	0.00755
1.45	0.04380	0.03847	0.03361	0.02920	0.02522	0.02163	0.01841	0.01554	0.01298	0.01071	0.00870
1.50	0.04291	0.03799	0.03347	0.02934	0.02558	0.02218	0.01910	0.01634	0.01386	0.01165	0.00968
1.55	0.04187	0.03732	0.03313	0.02927	0.02574	0.02252	0.01960	0.01695	0.01457	0.01242	0.01050
1.60	0.04071	0.03652	0.03263	0.02904	0.02573	0.02270	0.01992	0.01740	0.01511	0.01304	0.01118
1.65	0.03946	0.03561	0.03201	0.02867	0.02557	0.02272	0.02010	0.01770	0.01552	0.01353	0.01172
1.70	0.03815	0.03461	0.03129	0.02819	0.02530	0.02262	0.02015	0.01788	0.01580	0.01389	0.01216
1.75	0.03682	0.03356	0.03050	0.02762	0.02493	0.02242	0.02010	0.01795	0.01597	0.01415	0.01249
1.80	0.03546	0.03248	0.02965	0.02698	0.02448	0.02214	0.01996	0.01793	0.01605	0.01432	0.01273
1.85	0.03411	0.03137	0.02877	0.02630	0.02397	0.02178	0.01974	0.01783	0.01605	0.01441	0.01289
1.90	0.03277	0.03026	0.02786	0.02558	0.02341	0.02137	0.01946	0.01766	0.01599	0.01442	0.01298
1.95	0.03146	0.02915	0.02694	0.02483	0.02282	0.02092	0.01913	0.01744	0.01586	0.01438	0.01300
2.00	0.03017	0.02805	0.02602	0.02406	0.02220	0.02043	0.01876	0.01717	0.01569	0.01429	0.01298

TABLE III. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(d) Concluded. Half cone angle, 45.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	1.50	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00
-1.00	0.00859	0.00661	0.00488	0.00339	0.00211	0.00100	0.00006	-0.00074	-0.00142	-0.00199	-0.00246
-0.95	0.00723	0.00524	0.00353	0.00206	0.00081	-0.00025	-0.00114	-0.00188	-0.00250	-0.00302	-0.00343
-0.90	0.00564	0.00366	0.00198	0.00056	-0.00064	-0.00163	-0.00246	-0.00314	-0.00369	-0.00413	-0.00448
-0.85	0.00378	0.00184	0.00021	-0.00114	-0.00225	-0.00317	-0.00391	-0.00450	-0.00496	-0.00532	-0.00559
-0.80	0.00163	-0.00024	-0.00178	-0.00303	-0.00404	-0.00485	-0.00548	-0.00597	-0.00633	-0.00660	-0.00678
-0.75	-0.00084	-0.00260	-0.00401	-0.00513	-0.00601	-0.00668	-0.00719	-0.00755	-0.00780	-0.00795	-0.00803
-0.70	-0.00364	-0.00524	-0.00649	-0.00745	-0.00816	-0.00867	-0.00902	-0.00924	-0.00935	-0.00938	-0.00934
-0.65	-0.00681	-0.00820	-0.00923	-0.00998	-0.01049	-0.01081	-0.01098	-0.01103	-0.01099	-0.01088	-0.01071
-0.60	-0.01035	-0.01147	-0.01223	-0.01272	-0.01299	-0.01309	-0.01305	-0.01292	-0.01270	-0.01243	-0.01212
-0.55	-0.01429	-0.01505	-0.01549	-0.01567	-0.01566	-0.01550	-0.01523	-0.01488	-0.01448	-0.01404	-0.01357
-0.50	-0.01860	-0.01894	-0.01898	-0.01881	-0.01847	-0.01802	-0.01750	-0.01692	-0.01630	-0.01568	-0.01505
-0.45	-0.02329	-0.02312	-0.02270	-0.02211	-0.02141	-0.02064	-0.01983	-0.01899	-0.01816	-0.01734	-0.01654
-0.40	-0.02832	-0.02755	-0.02660	-0.02555	-0.02444	-0.02332	-0.02220	-0.02110	-0.02003	-0.01900	-0.01802
-0.35	-0.03363	-0.03217	-0.03064	-0.02907	-0.02753	-0.02602	-0.02457	-0.02319	-0.02188	-0.02064	-0.01948
-0.30	-0.03915	-0.03693	-0.03474	-0.03263	-0.03062	-0.02871	-0.02693	-0.02525	-0.02369	-0.02224	-0.02089
-0.25	-0.04477	-0.04171	-0.03883	-0.03614	-0.03365	-0.03134	-0.02921	-0.02725	-0.02544	-0.02378	-0.02224
-0.20	-0.05034	-0.04641	-0.04282	-0.03954	-0.03656	-0.03385	-0.03138	-0.02914	-0.02709	-0.02522	-0.02351
-0.15	-0.05570	-0.05089	-0.04659	-0.04275	-0.03929	-0.03619	-0.03340	-0.03088	-0.02861	-0.02655	-0.02468
-0.10	-0.06066	-0.05502	-0.05005	-0.04566	-0.04177	-0.03831	-0.03522	-0.03245	-0.02997	-0.02774	-0.02572
-0.05	-0.06504	-0.05864	-0.05307	-0.04820	-0.04392	-0.04015	-0.03680	-0.03381	-0.03115	-0.02876	-0.02661
0.00	-0.06865	-0.06162	-0.05556	-0.05030	-0.04570	-0.04166	-0.03809	-0.03493	-0.03212	-0.02960	-0.02735
0.05	-0.07134	-0.06386	-0.05744	-0.05188	-0.04704	-0.04281	-0.03908	-0.03579	-0.03286	-0.03025	-0.02792
0.10	-0.07301	-0.06528	-0.05864	-0.05291	-0.04792	-0.04357	-0.03974	-0.03636	-0.03336	-0.03069	-0.02830
0.15	-0.07362	-0.06583	-0.05913	-0.05335	-0.04832	-0.04392	-0.04005	-0.03663	-0.03360	-0.03090	-0.02849
0.20	-0.07317	-0.06552	-0.05892	-0.05321	-0.04822	-0.04385	-0.04001	-0.03661	-0.03359	-0.03090	-0.02849
0.25	-0.07172	-0.06439	-0.05803	-0.05249	-0.04765	-0.04339	-0.03962	-0.03629	-0.03332	-0.03068	-0.02831
0.30	-0.06937	-0.06251	-0.05651	-0.05125	-0.04662	-0.04254	-0.03891	-0.03569	-0.03282	-0.03024	-0.02794
0.35	-0.06626	-0.05997	-0.05443	-0.04953	-0.04519	-0.04133	-0.03790	-0.03483	-0.03208	-0.02961	-0.02739
0.40	-0.06252	-0.05689	-0.05187	-0.04739	-0.04339	-0.03981	-0.03661	-0.03372	-0.03113	-0.02879	-0.02668
0.45	-0.05829	-0.05337	-0.04892	-0.04491	-0.04129	-0.03802	-0.03507	-0.03241	-0.02999	-0.02781	-0.02582
0.50	-0.05372	-0.04952	-0.04566	-0.04214	-0.03893	-0.03600	-0.03333	-0.03091	-0.02869	-0.02667	-0.02483
0.55	-0.04894	-0.04545	-0.04219	-0.03917	-0.03637	-0.03380	-0.03143	-0.02925	-0.02725	-0.02541	-0.02373
0.60	-0.04406	-0.04126	-0.03858	-0.03605	-0.03368	-0.03146	-0.02939	-0.02748	-0.02570	-0.02405	-0.02253
0.65	-0.03917	-0.03702	-0.03490	-0.03286	-0.03089	-0.02903	-0.02727	-0.02561	-0.02406	-0.02260	-0.02125
0.70	-0.03436	-0.03281	-0.03123	-0.02963	-0.02807	-0.02655	-0.02508	-0.02368	-0.02235	-0.02110	-0.01991
0.75	-0.02969	-0.02870	-0.02760	-0.02643	-0.02524	-0.02405	-0.02287	-0.02172	-0.02061	-0.01955	-0.01853
0.80	-0.02522	-0.02472	-0.02406	-0.02329	-0.02245	-0.02157	-0.02066	-0.01976	-0.01886	-0.01798	-0.01713
0.85	-0.02099	-0.02093	-0.02066	-0.02025	-0.01973	-0.01913	-0.01848	-0.01780	-0.01711	-0.01641	-0.01572
0.90	-0.01701	-0.01734	-0.01742	-0.01733	-0.01710	-0.01676	-0.01635	-0.01588	-0.01538	-0.01485	-0.01431
0.95	-0.01332	-0.01397	-0.01436	-0.01455	-0.01458	-0.01448	-0.01428	-0.01401	-0.01368	-0.01331	-0.01292
1.00	-0.00992	-0.01084	-0.01150	-0.01193	-0.01219	-0.01230	-0.01230	-0.01220	-0.01203	-0.01181	-0.01155
1.05	-0.00680	-0.00796	-0.00883	-0.00948	-0.00993	-0.01023	-0.01040	-0.01047	-0.01045	-0.01036	-0.01023
1.10	-0.00397	-0.00532	-0.00638	-0.00720	-0.00783	-0.00829	-0.00861	-0.00882	-0.00893	-0.00897	-0.00894
1.15	-0.00143	-0.00292	-0.00413	-0.00510	-0.00587	-0.00647	-0.00692	-0.00725	-0.00749	-0.00763	-0.00771
1.20	0.00085	-0.00075	-0.00208	-0.00317	-0.00406	-0.00478	-0.00534	-0.00579	-0.00612	-0.00637	-0.00654
1.25	0.00287	0.00119	-0.00023	-0.00141	-0.00240	-0.00321	-0.00388	-0.00441	-0.00484	-0.00517	-0.00542
1.30	0.00465	0.00291	0.00143	0.00017	-0.00089	-0.00178	-0.00252	-0.00314	-0.00364	-0.00405	-0.00437
1.35	0.00620	0.00444	0.00291	0.00160	0.00048	-0.00047	-0.00128	-0.00196	-0.00253	-0.00300	-0.00338
1.40	0.00755	0.00577	0.00422	0.00288	0.00172	0.00072	-0.00014	-0.00087	-0.00149	-0.00202	-0.00246
1.45	0.00870	0.00693	0.00537	0.00401	0.00282	0.00179	0.00089	0.00012	-0.00054	-0.00111	-0.00160
1.50	0.00968	0.00793	0.00638	0.00501	0.00381	0.00275	0.00183	0.00102	0.00033	-0.00028	-0.00080
1.55	0.01050	0.00878	0.00725	0.00588	0.00468	0.00361	0.00267	0.00184	0.00112	0.00049	-0.00007
1.60	0.01118	0.00950	0.00799	0.00664	0.00544	0.00437	0.00342	0.00258	0.00184	0.00118	0.00061
1.65	0.01172	0.01009	0.00862	0.00729	0.00610	0.00504	0.00409	0.00324	0.00249	0.00182	0.00123
1.70	0.01216	0.01058	0.00914	0.00785	0.00668	0.00562	0.00468	0.00383	0.00307	0.00239	0.00179
1.75	0.01249	0.01096	0.00957	0.00831	0.00716	0.00613	0.00519	0.00435	0.00359	0.00290	0.00229
1.80	0.01273	0.01126	0.00992	0.00869	0.00758	0.00656	0.00564	0.00480	0.00405	0.00336	0.00275
1.85	0.01289	0.01148	0.01019	0.00901	0.00792	0.00693	0.00602	0.00520	0.00445	0.00377	0.00316
1.90	0.01298	0.01163	0.01039	0.00925	0.00820	0.00723	0.00635	0.00554	0.00481	0.00414	0.00353
1.95	0.01300	0.01172	0.01054	0.00944	0.00842	0.00749	0.00663	0.00584	0.00511	0.00445	0.00385
2.00	0.01298	0.01176	0.01063	0.00957	0.00859	0.00769	0.00685	0.00609	0.00538	0.00473	0.00413

TABLE III. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(e) Half cone angle, 60.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50
-1.00	0.55091	0.54787	0.53886	0.52418	0.50428	0.47977	0.45137	0.41985	0.38602	0.35068	0.31463
-0.95	0.59561	0.59221	0.58212	0.56570	0.54347	0.51615	0.48456	0.44957	0.41210	0.37307	0.33334
-0.90	0.64487	0.64105	0.62973	0.61132	0.58645	0.55594	0.52074	0.48185	0.44031	0.39715	0.35334
-0.85	0.69924	0.69494	0.68220	0.66152	0.63364	0.59950	0.56022	0.51694	0.47084	0.42307	0.37471
-0.80	0.75937	0.75451	0.74015	0.71685	0.68551	0.64725	0.60334	0.55510	0.50388	0.45096	0.39755
-0.75	0.82600	0.82050	0.80425	0.77793	0.74262	0.69964	0.65047	0.59665	0.53967	0.48099	0.42195
-0.70	0.90001	0.89376	0.87529	0.84547	0.80557	0.75718	0.70204	0.64189	0.57845	0.51333	0.44802
-0.65	0.98240	0.97526	0.95420	0.92028	0.87507	0.82046	0.75849	0.69118	0.62047	0.54816	0.47587
-0.60	1.07438	1.06618	1.04205	1.00331	0.95190	0.89011	0.82033	0.74491	0.66602	0.58566	0.50561
-0.55	1.17737	1.16790	1.14009	1.09564	1.03696	0.96683	0.88810	0.80347	0.71539	0.62604	0.53737
-0.50	1.29308	1.28206	1.24981	1.19851	1.13124	1.05142	0.96241	0.86731	0.76888	0.66950	0.57125
-0.45	1.42362	1.41068	1.37297	1.31339	1.23590	1.14473	1.04387	0.93689	0.82681	0.71624	0.60738
-0.40	1.57158	1.55623	1.51169	1.44196	1.35221	1.24770	1.13317	1.01267	0.88952	0.76649	0.64588
-0.35	1.74027	1.72178	1.66855	1.58619	1.48160	1.36134	1.23101	1.09513	0.95731	0.82043	0.68687
-0.30	1.93400	1.91131	1.84670	1.74837	1.62565	1.48673	1.33811	1.18477	1.03051	0.87829	0.73046
-0.25	2.15858	2.13003	2.05003	1.93111	1.78605	1.62495	1.45518	1.28204	1.10943	0.94023	0.77675
-0.20	2.42228	2.38502	2.28336	2.13740	1.96460	1.77709	1.58288	1.38737	1.19431	1.00644	0.82583
-0.15	2.73771	2.68632	2.55263	2.37045	2.16309	1.94418	1.72183	1.50112	1.28540	1.07704	0.87781
-0.10	3.12641	3.04874	2.86488	2.63357	2.38315	2.12710	1.87253	1.62358	1.38287	1.15215	0.93272
-0.05	3.63399	3.49450	3.22768	2.92971	2.62612	2.32649	2.03530	1.75494	1.48682	1.23183	0.99063
0.00	4.47593	4.05229	3.64734	3.26093	2.89282	2.54272	2.21032	1.89527	1.59728	1.31609	1.05156
0.05	5.30538	4.59761	4.05459	3.57984	3.14734	2.74694	2.37347	2.02389	1.69616	1.38888	1.10106
0.10	5.77542	5.00589	4.38012	3.83904	3.35379	2.91027	2.50066	2.12012	1.76538	1.43414	1.12473
0.15	6.10145	5.30577	4.63018	4.04051	3.51291	3.03303	2.59202	2.18403	1.80498	1.45192	1.12263
0.20	6.32891	5.51928	4.81218	4.18710	3.62594	3.11582	2.64786	2.21581	1.81510	1.44234	1.09491
0.25	6.47910	5.66100	4.93294	4.28191	3.69440	3.15942	2.66862	2.21573	1.79595	1.40559	1.04175
0.30	6.56432	5.74067	4.99814	4.32794	3.71989	3.16473	2.65485	2.18415	1.74778	1.34189	0.96337
0.35	6.59239	5.76495	5.01221	4.32786	3.70396	3.13269	2.60713	2.12147	1.67091	1.25152	0.86005
0.40	6.58857	5.73852	4.97858	4.28390	3.64803	3.06418	2.52607	2.02814	1.56570	1.13478	0.73208
0.45	6.49649	5.66468	4.89981	4.19787	3.55331	2.96005	2.41224	1.90459	1.43249	0.99199	0.57975
0.50	6.37853	5.54565	4.77773	4.07114	3.42079	2.82101	2.26621	1.75127	1.27167	0.82350	0.40341
0.55	6.21617	5.38282	4.61352	3.90467	3.25125	2.64767	2.08846	1.56858	1.08360	0.62965	0.42808
0.60	6.01000	5.17681	4.40780	3.69904	3.04520	2.44050	1.87942	1.35694	0.86866	0.63639	0.44604
0.65	5.75982	4.92745	4.16057	3.45443	2.80295	2.19988	1.63947	1.11670	0.85396	0.63701	0.45831
0.70	5.46445	4.63377	3.87125	3.17066	2.52458	1.92602	1.36893	1.07646	0.83402	0.63231	0.46471
0.75	5.12150	4.29374	3.53859	2.84715	2.20999	1.61909	1.29830	1.03230	0.80976	0.62309	0.46680
0.80	4.72679	3.90392	3.16055	2.48300	1.85891	1.51218	1.22575	0.98531	0.78209	0.61010	0.46494
0.85	4.27319	3.45882	2.73426	2.07699	1.70822	1.40637	1.15253	0.93648	0.75181	0.59404	0.45974
0.90	3.74760	2.94970	2.25598	1.87210	1.56335	1.30314	1.07977	0.88673	0.71971	0.57555	0.45175
0.95	3.12118	2.36291	1.98029	1.68103	1.42609	1.20375	1.00848	0.83687	0.68646	0.55524	0.44149
1.00	2.25466	1.98406	1.73464	1.50607	1.29783	1.10924	0.93947	0.78760	0.65266	0.53362	0.42945
1.05	1.76883	1.68240	1.52153	1.34848	1.17951	1.02037	0.87340	0.73950	0.61884	0.51118	0.41603
1.10	1.49460	1.44797	1.33991	1.20839	1.07151	0.93760	0.81074	0.69303	0.58543	0.48831	0.40162
1.15	1.29250	1.26260	1.18614	1.08490	0.97374	0.86112	0.75181	0.64852	0.55278	0.46534	0.38653
1.20	1.13335	1.11232	1.05575	0.97654	0.88576	0.79091	0.69675	0.60623	0.52115	0.44257	0.37105
1.25	1.00355	0.98790	0.94456	0.88154	0.80686	0.72676	0.64559	0.56628	0.49076	0.42022	0.35540
1.30	0.89530	0.88320	0.84909	0.79816	0.73624	0.66833	0.59825	0.52875	0.46173	0.39847	0.33978
1.35	0.80357	0.79396	0.76653	0.72481	0.67305	0.61522	0.55459	0.49363	0.43415	0.37744	0.32434
1.40	0.72489	0.71710	0.69468	0.66008	0.61648	0.56702	0.51442	0.46087	0.40807	0.35722	0.30921
1.45	0.65677	0.65035	0.63176	0.60277	0.56578	0.52327	0.47751	0.43040	0.38348	0.33789	0.29449
1.50	0.59731	0.59196	0.57637	0.55187	0.52027	0.48356	0.44363	0.40211	0.36037	0.31948	0.28023
1.55	0.54509	0.54057	0.52737	0.50649	0.47934	0.44750	0.41255	0.37588	0.33871	0.30199	0.26650
1.60	0.49895	0.49510	0.48383	0.46591	0.44245	0.41472	0.38403	0.35158	0.31842	0.28544	0.25332
1.65	0.45798	0.45468	0.44499	0.42952	0.40914	0.38489	0.35786	0.32908	0.29946	0.26979	0.24072
1.70	0.42145	0.41860	0.41022	0.39678	0.37899	0.35771	0.33384	0.30825	0.28175	0.25504	0.22870
1.75	0.38874	0.38627	0.37898	0.36725	0.35166	0.33292	0.31177	0.28897	0.26522	0.24114	0.21726
1.80	0.35936	0.35720	0.35082	0.34054	0.32683	0.31026	0.29148	0.27112	0.24980	0.22806	0.20639
1.85	0.33288	0.33098	0.32538	0.31633	0.30422	0.28953	0.27280	0.25458	0.23541	0.21577	0.19608
1.90	0.30894	0.30727	0.30233	0.29433	0.28359	0.27053	0.25560	0.23926	0.22199	0.20421	0.18631
1.95	0.28723	0.28576	0.28138	0.27429	0.26475	0.25310	0.23973	0.22506	0.20947	0.19336	0.17707
2.00	0.26751	0.26620	0.26232	0.25601	0.24750	0.23708	0.22509	0.21188	0.19779	0.18317	0.16832

TABLE III. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(c) Continued. Half cone angle, 60.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.50	0.55	0.60	0.65	0.70	0.75	0.80	0.85	0.90	0.95	1.00
-1.00	0.31463	0.27860	0.24327	0.20926	0.17707	0.14715	0.11980	0.09525	0.07359	0.05485	0.03891
-0.95	0.33334	0.29375	0.25504	0.21788	0.18285	0.15041	0.12090	0.09457	0.07152	0.05172	0.03507
-0.90	0.35334	0.30980	0.26735	0.22673	0.18856	0.15337	0.12153	0.09329	0.06875	0.04787	0.03051
-0.85	0.37471	0.32678	0.28019	0.23576	0.19416	0.15596	0.12158	0.09128	0.06517	0.04318	0.02512
-0.80	0.39755	0.34475	0.29359	0.24494	0.19956	0.15807	0.12093	0.08842	0.06065	0.03753	0.01880
-0.75	0.42195	0.36376	0.30753	0.25424	0.20471	0.15961	0.11946	0.08457	0.05504	0.03077	0.01143
-0.70	0.44802	0.38385	0.32202	0.26360	0.20949	0.16044	0.11701	0.07955	0.04818	0.02274	0.00285
-0.65	0.47587	0.40506	0.33704	0.27297	0.21382	0.16042	0.11341	0.07317	0.03985	0.01325	-0.00709
-0.60	0.50561	0.42745	0.35259	0.28226	0.21756	0.15938	0.10844	0.06520	0.02982	0.00208	-0.01859
-0.55	0.53737	0.45106	0.36864	0.29142	0.22059	0.15714	0.10188	0.05537	0.01781	-0.01103	-0.03186
-0.50	0.57125	0.47594	0.38517	0.30035	0.22275	0.15347	0.09345	0.04336	0.00348	-0.02641	-0.04715
-0.45	0.60738	0.50213	0.40216	0.30895	0.22388	0.14815	0.08285	0.02881	-0.01355	-0.04442	-0.06477
-0.40	0.64588	0.52967	0.41957	0.31714	0.22380	0.14092	0.06973	0.01128	-0.03377	-0.06551	-0.08507
-0.35	0.68687	0.55861	0.43739	0.32480	0.22235	0.13150	0.05370	-0.00972	-0.05776	-0.09027	-0.10849
-0.30	0.73046	0.58898	0.45559	0.33185	0.21933	0.11960	0.03433	-0.03477	-0.08624	-0.11942	-0.13557
-0.25	0.77675	0.62083	0.47414	0.33821	0.21459	0.10495	0.01120	-0.06456	-0.12010	-0.15392	-0.16700
-0.20	0.82583	0.65420	0.49304	0.34379	0.20797	0.08729	-0.01616	-0.09980	-0.16046	-0.19511	-0.20372
-0.15	0.87781	0.68913	0.51229	0.34858	0.19939	0.06641	-0.04815	-0.14126	-0.20868	-0.24492	-0.24705
-0.10	0.93272	0.72565	0.53191	0.35255	0.18878	0.04218	-0.08505	-0.18964	-0.26635	-0.30633	-0.29913
-0.05	0.99063	0.76380	0.55193	0.35574	0.17617	0.01459	-0.12700	-0.24538	-0.33493	-0.38392	-0.36420
0.00	1.05156	0.80363	0.57241	0.35822	0.16167	-0.01625	-0.17388	-0.30848	-0.41512	-0.48299	-0.46046
0.05	1.10106	0.83202	0.58138	0.34901	0.13512	-0.05969	-0.23432	-0.38683	-0.51396	-0.61031	-0.45546
0.10	1.12473	0.83593	0.56692	0.31717	0.08649	-0.12497	-0.31670	-0.48776	-0.63692	-0.54325	-0.42978
0.15	1.12263	0.81547	0.52920	0.26294	0.01612	-0.21157	-0.42022	-0.60985	-0.55991	-0.48607	-0.39963
0.20	1.09491	0.77080	0.46843	0.18661	-0.07559	-0.31891	-0.54398	-0.53033	-0.49229	-0.43507	-0.36812
0.25	1.04175	0.70213	0.38488	0.08852	-0.18820	-0.44638	-0.46551	-0.45953	-0.43215	-0.38862	-0.33660
0.30	0.96337	0.60972	0.27884	-0.03098	-0.32125	-0.37143	-0.39530	-0.39626	-0.37817	-0.34594	-0.30579
0.35	0.86005	0.49384	0.15063	-0.17151	-0.25194	-0.30443	-0.33250	-0.33958	-0.32945	-0.30657	-0.27608
0.40	0.73208	0.35480	0.00057	-0.10990	-0.19037	-0.24470	-0.27635	-0.28870	-0.28533	-0.27024	-0.24772
0.45	0.57975	0.19291	0.05232	-0.05584	-0.13591	-0.19159	-0.22621	-0.24301	-0.24533	-0.23672	-0.22085
0.50	0.40341	0.23246	0.09673	-0.00873	-0.08798	-0.14451	-0.18149	-0.20198	-0.20904	-0.20585	-0.19555
0.55	0.42608	0.26491	0.13440	0.03202	-0.04601	-0.10292	-0.14170	-0.16517	-0.17615	-0.17746	-0.17185
0.60	0.44604	0.29093	0.16594	0.06695	-0.00947	-0.06633	-0.10636	-0.13220	-0.14638	-0.15143	-0.14974
0.65	0.45801	0.31116	0.19191	0.09661	0.02212	-0.03427	-0.07509	-0.10273	-0.11948	-0.12761	-0.12921
0.70	0.46471	0.32621	0.21289	0.12149	0.04924	-0.00633	-0.04751	-0.07645	-0.09524	-0.10587	-0.11022
0.75	0.46680	0.33669	0.22939	0.14209	0.07231	0.01787	-0.02328	-0.05310	-0.07345	-0.08610	-0.09272
0.80	0.46494	0.34316	0.24194	0.15884	0.09175	0.03871	-0.00211	-0.03243	-0.05392	-0.06817	-0.07665
0.85	0.45974	0.34616	0.25099	0.17219	0.10793	0.05650	0.01631	-0.01419	-0.03648	-0.05196	-0.06195
0.90	0.45175	0.34618	0.25699	0.18251	0.12119	0.07157	0.03223	0.00182	-0.02095	-0.03735	-0.04854
0.95	0.44149	0.34367	0.26035	0.19019	0.13188	0.08418	0.04589	0.01581	-0.00720	-0.02425	-0.03637
1.00	0.42945	0.33908	0.26146	0.19555	0.14028	0.09462	0.05752	0.02796	0.00494	-0.01253	-0.02534
1.05	0.41603	0.33277	0.26065	0.19890	0.14668	0.10311	0.06733	0.03845	0.01559	-0.00209	-0.01541
1.10	0.40162	0.32508	0.25824	0.20054	0.15132	0.10989	0.07551	0.04743	0.02489	0.00716	-0.00648
1.15	0.38653	0.31633	0.25451	0.20071	0.15444	0.11515	0.08223	0.05506	0.03297	0.01532	0.00150
1.20	0.37105	0.30677	0.24971	0.19965	0.15625	0.11909	0.08767	0.06146	0.03992	0.02249	0.00861
1.25	0.35540	0.29664	0.24405	0.19756	0.15693	0.12187	0.09196	0.06679	0.04587	0.02874	0.01492
1.30	0.33978	0.28613	0.23774	0.19462	0.15666	0.12364	0.09525	0.07113	0.05091	0.03416	0.02047
1.35	0.32434	0.27541	0.23092	0.19100	0.15559	0.12455	0.09766	0.07462	0.05512	0.03882	0.02535
1.40	0.30921	0.26461	0.22376	0.18683	0.15384	0.12472	0.09929	0.07734	0.05861	0.04279	0.02960
1.45	0.29449	0.25385	0.21637	0.18224	0.15154	0.12425	0.10026	0.07939	0.06143	0.04615	0.03327
1.50	0.28023	0.24322	0.20884	0.17733	0.14880	0.12326	0.10065	0.08085	0.06368	0.04894	0.03643
1.55	0.26650	0.23280	0.20127	0.17219	0.14569	0.12182	0.10055	0.08179	0.06540	0.05124	0.03911
1.60	0.25332	0.22262	0.19373	0.16690	0.14231	0.12001	0.10002	0.08227	0.06667	0.05309	0.04137
1.65	0.24072	0.21275	0.18627	0.16153	0.13871	0.11791	0.09914	0.08237	0.06754	0.05453	0.04324
1.70	0.22870	0.20321	0.17893	0.15612	0.13496	0.11556	0.09795	0.08213	0.06805	0.05563	0.04476
1.75	0.21726	0.19402	0.17175	0.15072	0.13111	0.11302	0.09652	0.08161	0.06825	0.05640	0.04597
1.80	0.20639	0.18518	0.16476	0.14537	0.12719	0.11034	0.09488	0.08083	0.06819	0.05690	0.04690
1.85	0.19608	0.17672	0.15798	0.14010	0.12325	0.10755	0.09308	0.07986	0.06789	0.05715	0.04758
1.90	0.18631	0.16862	0.15142	0.13493	0.11931	0.10469	0.09114	0.07871	0.06739	0.05719	0.04805
1.95	0.17707	0.16089	0.14510	0.12988	0.11540	0.10178	0.08911	0.07742	0.06673	0.05704	0.04831
2.00	0.16832	0.15352	0.13900	0.12496	0.11153	0.09885	0.08700	0.07601	0.06592	0.05672	0.04841

TABLE III. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.05

(e) Continued. Half cone angle, 60.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	1.00	1.05	1.10	1.15	1.20	1.25	1.30	1.35	1.40	1.45	1.50
-1.00	0.03891	0.02561	0.01471	0.00594	-0.00098	-0.00633	-0.01037	-0.01335	-0.01548	-0.01692	-0.01783
-0.95	0.03507	0.02134	0.01024	0.00147	-0.00533	-0.01046	-0.01423	-0.01691	-0.01872	-0.01986	-0.02048
-0.90	0.03051	0.01638	0.00515	-0.00356	-0.01014	-0.01498	-0.01841	-0.02072	-0.02217	-0.02296	-0.02325
-0.85	0.02512	0.01066	-0.00063	-0.00918	-0.01547	-0.01992	-0.02292	-0.02480	-0.02582	-0.02622	-0.02614
-0.80	0.01880	0.00407	-0.00717	-0.01545	-0.02133	-0.02529	-0.02777	-0.02914	-0.02968	-0.02963	-0.02915
-0.75	0.01143	-0.00348	-0.01454	-0.02242	-0.02775	-0.03111	-0.03297	-0.03374	-0.03373	-0.03318	-0.03226
-0.70	0.00285	-0.01210	-0.02284	-0.03015	-0.03478	-0.03739	-0.03851	-0.03860	-0.03797	-0.03686	-0.03546
-0.65	-0.00709	-0.02193	-0.03214	-0.03868	-0.04243	-0.04413	-0.04440	-0.04370	-0.04237	-0.04065	-0.03872
-0.60	-0.01859	-0.03310	-0.04255	-0.04807	-0.05071	-0.05133	-0.05060	-0.04901	-0.04691	-0.04454	-0.04205
-0.55	-0.03186	-0.04577	-0.05415	-0.05836	-0.05964	-0.05898	-0.05710	-0.05452	-0.05157	-0.04848	-0.04540
-0.50	-0.04715	-0.06012	-0.06703	-0.06958	-0.06921	-0.06705	-0.06386	-0.06018	-0.05631	-0.05246	-0.04875
-0.45	-0.06477	-0.07634	-0.08130	-0.08174	-0.07939	-0.07548	-0.07083	-0.06593	-0.06108	-0.05644	-0.05208
-0.40	-0.08507	-0.09465	-0.09702	-0.09483	-0.09011	-0.08421	-0.07794	-0.07174	-0.06585	-0.06037	-0.05535
-0.35	-0.10849	-0.11526	-0.11424	-0.10880	-0.10129	-0.09314	-0.08509	-0.07750	-0.07053	-0.06421	-0.05852
-0.30	-0.13557	-0.13842	-0.13296	-0.12351	-0.11277	-0.10212	-0.09218	-0.08315	-0.07508	-0.06791	-0.06155
-0.25	-0.16700	-0.16434	-0.15307	-0.13877	-0.12434	-0.11100	-0.09907	-0.08859	-0.07942	-0.07141	-0.06441
-0.20	-0.20372	-0.19319	-0.17429	-0.15421	-0.13573	-0.11955	-0.10563	-0.09370	-0.08347	-0.07466	-0.06706
-0.15	-0.24705	-0.22490	-0.19605	-0.16932	-0.14656	-0.12755	-0.11169	-0.09839	-0.08716	-0.07761	-0.06944
-0.10	-0.29913	-0.25879	-0.21730	-0.18342	-0.15642	-0.13473	-0.11708	-0.10254	-0.09042	-0.08021	-0.07154
-0.05	-0.36420	-0.29241	-0.23638	-0.19564	-0.16485	-0.14084	-0.12166	-0.10605	-0.09317	-0.08240	-0.07331
0.00	-0.46046	-0.31956	-0.25117	-0.20514	-0.17145	-0.14564	-0.12527	-0.10884	-0.09536	-0.08416	-0.07473
0.05	-0.45546	-0.33248	-0.25992	-0.21125	-0.17589	-0.14897	-0.12782	-0.11084	-0.09695	-0.08544	-0.07578
0.10	-0.42978	-0.33102	-0.26211	-0.21368	-0.17800	-0.15071	-0.12925	-0.11200	-0.09791	-0.08622	-0.07643
0.15	-0.39963	-0.32017	-0.25852	-0.21257	-0.17781	-0.15087	-0.12954	-0.11232	-0.09822	-0.08651	-0.07669
0.20	-0.36812	-0.30395	-0.25046	-0.20837	-0.17548	-0.14951	-0.12871	-0.11180	-0.09789	-0.08630	-0.07655
0.25	-0.33660	-0.28481	-0.23924	-0.20163	-0.17126	-0.14675	-0.12683	-0.11049	-0.09694	-0.08560	-0.07602
0.30	-0.30579	-0.26420	-0.22591	-0.19296	-0.16547	-0.14276	-0.12401	-0.10843	-0.09540	-0.08443	-0.07512
0.35	-0.27608	-0.24303	-0.21128	-0.18287	-0.15842	-0.13774	-0.12034	-0.10570	-0.09333	-0.08283	-0.07386
0.40	-0.24772	-0.22188	-0.19593	-0.17182	-0.15042	-0.13187	-0.11597	-0.10238	-0.09077	-0.08083	-0.07227
0.45	-0.22085	-0.20113	-0.18030	-0.16018	-0.14174	-0.12534	-0.11100	-0.09856	-0.08779	-0.07847	-0.07039
0.50	-0.19555	-0.18105	-0.16472	-0.14823	-0.13261	-0.11833	-0.10558	-0.09432	-0.08444	-0.07580	-0.06824
0.55	-0.17185	-0.16181	-0.14942	-0.13622	-0.12322	-0.11099	-0.09981	-0.08975	-0.08080	-0.07287	-0.06585
0.60	-0.14974	-0.14351	-0.13457	-0.12431	-0.11373	-0.10344	-0.09379	-0.08493	-0.07691	-0.06971	-0.06327
0.65	-0.12921	-0.12623	-0.12028	-0.11265	-0.10429	-0.09582	-0.08762	-0.07993	-0.07284	-0.06637	-0.06052
0.70	-0.11022	-0.11000	-0.10665	-0.10135	-0.09499	-0.08820	-0.08139	-0.07482	-0.06863	-0.06290	-0.05764
0.75	-0.09272	-0.09483	-0.09372	-0.09048	-0.08592	-0.08067	-0.07516	-0.06966	-0.06435	-0.05934	-0.05466
0.80	-0.07665	-0.08072	-0.08154	-0.08009	-0.07715	-0.07331	-0.06899	-0.06450	-0.06003	-0.05571	-0.05161
0.85	-0.06195	-0.06765	-0.07011	-0.07023	-0.06872	-0.06614	-0.06293	-0.05938	-0.05571	-0.05206	-0.04852
0.90	-0.04854	-0.05559	-0.05945	-0.06091	-0.06067	-0.05923	-0.05703	-0.05435	-0.05142	-0.04841	-0.04540
0.95	-0.03637	-0.04451	-0.04953	-0.05216	-0.05302	-0.05260	-0.05130	-0.04943	-0.04720	-0.04479	-0.04230
1.00	-0.02534	-0.03437	-0.04035	-0.04397	-0.04579	-0.04627	-0.04580	-0.04465	-0.04307	-0.04122	-0.03921
1.05	-0.01541	-0.02511	-0.03189	-0.03634	-0.03898	-0.04026	-0.04052	-0.04004	-0.03905	-0.03772	-0.03617
1.10	-0.00648	-0.01670	-0.02411	-0.02926	-0.03261	-0.03457	-0.03548	-0.03560	-0.03516	-0.03431	-0.03319
1.15	0.00150	-0.00909	-0.01699	-0.02271	-0.02666	-0.02922	-0.03070	-0.03136	-0.03140	-0.03100	-0.03027
1.20	0.00861	-0.00222	-0.01051	-0.01668	-0.02113	-0.02420	-0.02618	-0.02731	-0.02780	-0.02780	-0.02744
1.25	0.01492	0.00394	-0.00461	-0.01114	-0.01600	-0.01950	-0.02192	-0.02347	-0.02436	-0.02473	-0.02470
1.30	0.02047	0.00946	0.00072	-0.00608	-0.01127	-0.01513	-0.01792	-0.01984	-0.02108	-0.02178	-0.02206
1.35	0.02535	0.01436	0.00553	-0.00146	-0.00691	-0.01107	-0.01418	-0.01642	-0.01797	-0.01896	-0.01952
1.40	0.02960	0.01871	0.00985	0.00273	-0.00292	-0.00732	-0.01069	-0.01320	-0.01502	-0.01628	-0.01709
1.45	0.03327	0.02254	0.01371	0.00651	0.00073	-0.00386	-0.00744	-0.01019	-0.01224	-0.01374	-0.01477
1.50	0.03643	0.02590	0.01714	0.00992	0.00405	-0.00068	-0.00444	-0.00738	-0.00963	-0.01133	-0.01256
1.55	0.03911	0.02882	0.02018	0.01299	0.00706	0.00223	-0.00166	-0.00476	-0.00719	-0.00906	-0.01047
1.60	0.04137	0.03134	0.02285	0.01572	0.00978	0.00489	0.00089	-0.00233	-0.00490	-0.00692	-0.00849
1.65	0.04324	0.03350	0.02519	0.01815	0.01223	0.00731	0.00324	-0.00008	-0.00277	-0.00492	-0.00662
1.70	0.04476	0.03533	0.02722	0.02029	0.01443	0.00950	0.00539	0.00199	-0.00079	-0.00305	-0.00486
1.75	0.04597	0.03686	0.02897	0.02218	0.01638	0.01147	0.00734	0.00390	0.00104	-0.00130	-0.00320
1.80	0.04690	0.03812	0.03046	0.02382	0.01812	0.01325	0.00912	0.00564	0.00274	0.00033	-0.00166
1.85	0.04758	0.03913	0.03171	0.02525	0.01965	0.01484	0.01073	0.00724	0.00430	0.00184	-0.00021
1.90	0.04805	0.03992	0.03276	0.02647	0.02100	0.01626	0.01218	0.00870	0.00573	0.00323	0.00113
1.95	0.04831	0.04052	0.03360	0.02751	0.02217	0.01751	0.01349	0.01002	0.00705	0.00452	0.00238
2.00	0.04841	0.04094	0.03428	0.02838	0.02317	0.01862	0.01465	0.01121	0.00825	0.00571	0.00354

TABLE III. - Concluded. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu_0 JL$, FOR FIELD POINT INCREMENTS OF 0.05

(e) Concluded. Half cone angle, 60.0.

Dimensionless axial position, ζ	Dimensionless radius, ρ										
	1.50	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00
-1.00	-0.01783	-0.01832	-0.01850	-0.01843	-0.01819	-0.01782	-0.01735	-0.01682	-0.01625	-0.01566	-0.01505
-0.95	-0.02048	-0.02070	-0.02063	-0.02034	-0.01989	-0.01934	-0.01871	-0.01804	-0.01734	-0.01663	-0.01593
-0.90	-0.02325	-0.02317	-0.02283	-0.02230	-0.02164	-0.02089	-0.02009	-0.01927	-0.01844	-0.01761	-0.01681
-0.85	-0.02614	-0.02574	-0.02510	-0.02431	-0.02341	-0.02247	-0.02149	-0.02051	-0.01954	-0.01860	-0.01768
-0.80	-0.02915	-0.02838	-0.02743	-0.02636	-0.02522	-0.02406	-0.02290	-0.02176	-0.02065	-0.01958	-0.01856
-0.75	-0.03226	-0.03110	-0.02981	-0.02844	-0.02705	-0.02566	-0.02431	-0.02300	-0.02175	-0.02055	-0.01942
-0.70	-0.03546	-0.03388	-0.03222	-0.03054	-0.02888	-0.02727	-0.02572	-0.02424	-0.02284	-0.02151	-0.02027
-0.65	-0.03872	-0.03670	-0.03466	-0.03266	-0.03072	-0.02887	-0.02711	-0.02546	-0.02391	-0.02246	-0.02111
-0.60	-0.04205	-0.03955	-0.03711	-0.03477	-0.03254	-0.03045	-0.02849	-0.02666	-0.02497	-0.02339	-0.02193
-0.55	-0.04540	-0.04241	-0.03955	-0.03686	-0.03435	-0.03201	-0.02984	-0.02784	-0.02599	-0.02429	-0.02272
-0.50	-0.04875	-0.04525	-0.04196	-0.03892	-0.03611	-0.03353	-0.03116	-0.02898	-0.02699	-0.02516	-0.02349
-0.45	-0.05208	-0.04804	-0.04433	-0.04093	-0.03783	-0.03501	-0.03243	-0.03009	-0.02795	-0.02600	-0.02422
-0.40	-0.05535	-0.05078	-0.04663	-0.04288	-0.03949	-0.03642	-0.03365	-0.03114	-0.02886	-0.02679	-0.02491
-0.35	-0.05852	-0.05341	-0.04884	-0.04474	-0.04107	-0.03777	-0.03481	-0.03213	-0.02972	-0.02754	-0.02557
-0.30	-0.06155	-0.05592	-0.05093	-0.04650	-0.04256	-0.03904	-0.03589	-0.03307	-0.03053	-0.02824	-0.02618
-0.25	-0.06441	-0.05828	-0.05289	-0.04814	-0.04394	-0.04021	-0.03689	-0.03393	-0.03127	-0.02889	-0.02674
-0.20	-0.06706	-0.06045	-0.05469	-0.04964	-0.04520	-0.04128	-0.03781	-0.03471	-0.03195	-0.02947	-0.02725
-0.15	-0.06944	-0.06240	-0.05630	-0.05099	-0.04634	-0.04224	-0.03862	-0.03541	-0.03255	-0.03000	-0.02770
-0.10	-0.07154	-0.06412	-0.05772	-0.05217	-0.04733	-0.04308	-0.03933	-0.03602	-0.03308	-0.03045	-0.02810
-0.05	-0.07331	-0.06557	-0.05892	-0.05316	-0.04816	-0.04379	-0.03994	-0.03654	-0.03352	-0.03084	-0.02843
0.00	-0.07473	-0.06673	-0.05988	-0.05397	-0.04884	-0.04436	-0.04042	-0.03695	-0.03388	-0.03115	-0.02871
0.05	-0.07578	-0.06759	-0.06059	-0.05457	-0.04934	-0.04479	-0.04079	-0.03727	-0.03415	-0.03138	-0.02891
0.10	-0.07643	-0.06814	-0.06105	-0.05496	-0.04967	-0.04507	-0.04103	-0.03748	-0.03434	-0.03154	-0.02905
0.15	-0.07669	-0.06836	-0.06125	-0.05513	-0.04983	-0.04521	-0.04115	-0.03759	-0.03443	-0.03162	-0.02912
0.20	-0.07655	-0.06827	-0.06119	-0.05509	-0.04981	-0.04519	-0.04115	-0.03758	-0.03443	-0.03163	-0.02913
0.25	-0.07602	-0.06787	-0.06088	-0.05485	-0.04961	-0.04503	-0.04102	-0.03748	-0.03434	-0.03155	-0.02906
0.30	-0.07512	-0.06716	-0.06031	-0.05439	-0.04923	-0.04473	-0.04076	-0.03726	-0.03416	-0.03140	-0.02893
0.35	-0.07386	-0.06616	-0.05951	-0.05373	-0.04870	-0.04428	-0.04039	-0.03695	-0.03389	-0.03117	-0.02874
0.40	-0.07227	-0.06489	-0.05848	-0.05289	-0.04800	-0.04370	-0.03990	-0.03653	-0.03354	-0.03087	-0.02848
0.45	-0.07039	-0.06336	-0.05723	-0.05186	-0.04715	-0.04298	-0.03930	-0.03603	-0.03311	-0.03050	-0.02816
0.50	-0.06824	-0.06161	-0.05580	-0.05068	-0.04615	-0.04215	-0.03860	-0.03543	-0.03260	-0.03006	-0.02778
0.55	-0.06585	-0.05966	-0.05419	-0.04934	-0.04503	-0.04121	-0.03779	-0.03474	-0.03201	-0.02955	-0.02734
0.60	-0.06327	-0.05753	-0.05242	-0.04786	-0.04379	-0.04016	-0.03690	-0.03398	-0.03135	-0.02898	-0.02685
0.65	-0.06052	-0.05525	-0.05052	-0.04626	-0.04244	-0.03901	-0.03592	-0.03314	-0.03063	-0.02836	-0.02630
0.70	-0.05764	-0.05285	-0.04850	-0.04457	-0.04100	-0.03779	-0.03487	-0.03224	-0.02985	-0.02768	-0.02571
0.75	-0.05466	-0.05035	-0.04639	-0.04278	-0.03948	-0.03648	-0.03376	-0.03127	-0.02902	-0.02696	-0.02508
0.80	-0.05161	-0.04777	-0.04421	-0.04092	-0.03789	-0.03512	-0.03258	-0.03026	-0.02813	-0.02619	-0.02441
0.85	-0.04852	-0.04514	-0.04197	-0.03900	-0.03625	-0.03371	-0.03136	-0.02920	-0.02721	-0.02538	-0.02370
0.90	-0.04540	-0.04248	-0.03969	-0.03705	-0.03456	-0.03225	-0.03009	-0.02810	-0.02625	-0.02454	-0.02296
0.95	-0.04230	-0.03981	-0.03739	-0.03506	-0.03284	-0.03075	-0.02879	-0.02696	-0.02526	-0.02367	-0.02219
1.00	-0.03921	-0.03715	-0.03508	-0.03306	-0.03110	-0.02924	-0.02747	-0.02580	-0.02424	-0.02277	-0.02140
1.05	-0.03617	-0.03450	-0.03278	-0.03105	-0.02935	-0.02771	-0.02613	-0.02462	-0.02320	-0.02186	-0.02059
1.10	-0.03319	-0.03189	-0.03050	-0.02905	-0.02760	-0.02617	-0.02478	-0.02343	-0.02215	-0.02092	-0.01977
1.15	-0.03027	-0.02933	-0.02824	-0.02707	-0.02586	-0.02463	-0.02342	-0.02223	-0.02108	-0.01998	-0.01893
1.20	-0.02744	-0.02683	-0.02603	-0.02512	-0.02413	-0.02310	-0.02206	-0.02103	-0.02002	-0.01903	-0.01808
1.25	-0.02470	-0.02439	-0.02387	-0.02319	-0.02242	-0.02159	-0.02071	-0.01983	-0.01895	-0.01808	-0.01723
1.30	-0.02206	-0.02203	-0.02176	-0.02131	-0.02074	-0.02009	-0.01938	-0.01864	-0.01788	-0.01712	-0.01637
1.35	-0.01952	-0.01975	-0.01971	-0.01948	-0.01910	-0.01862	-0.01806	-0.01746	-0.01682	-0.01617	-0.01552
1.40	-0.01709	-0.01755	-0.01773	-0.01769	-0.01750	-0.01717	-0.01676	-0.01629	-0.01577	-0.01523	-0.01467
1.45	-0.01477	-0.01544	-0.01582	-0.01597	-0.01593	-0.01577	-0.01549	-0.01514	-0.01474	-0.01429	-0.01382
1.50	-0.01256	-0.01342	-0.01398	-0.01430	-0.01442	-0.01439	-0.01425	-0.01402	-0.01372	-0.01337	-0.01299
1.55	-0.01047	-0.01150	-0.01222	-0.01269	-0.01295	-0.01306	-0.01304	-0.01292	-0.01272	-0.01246	-0.01216
1.60	-0.00849	-0.00967	-0.01053	-0.01114	-0.01154	-0.01177	-0.01186	-0.01184	-0.01174	-0.01157	-0.01135
1.65	-0.00662	-0.00793	-0.00893	-0.00966	-0.01018	-0.01052	-0.01072	-0.01080	-0.01079	-0.01070	-0.01056
1.70	-0.00486	-0.00629	-0.00740	-0.00825	-0.00887	-0.00932	-0.00961	-0.00978	-0.00986	-0.00985	-0.00978
1.75	-0.00320	-0.00474	-0.00595	-0.00690	-0.00762	-0.00816	-0.00855	-0.00880	-0.00895	-0.00902	-0.00901
1.80	-0.00166	-0.00327	-0.00458	-0.00562	-0.00643	-0.00705	-0.00752	-0.00785	-0.00808	-0.00821	-0.00827
1.85	-0.00021	-0.00190	-0.00328	-0.00440	-0.00529	-0.00599	-0.00653	-0.00694	-0.00723	-0.00742	-0.00754
1.90	0.00113	-0.00062	-0.00206	-0.00325	-0.00421	-0.00498	-0.00559	-0.00606	-0.00641	-0.00666	-0.00684
1.95	0.00238	0.00059	-0.00091	-0.00216	-0.00318	-0.00401	-0.00468	-0.00521	-0.00562	-0.00593	-0.00616
2.00	0.00354	0.00171	0.00016	-0.00113	-0.00221	-0.00309	-0.00382	-0.00440	-0.00486	-0.00522	-0.00550

TABLE IV. - DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(a) Half cone angle, 15.0.

Dimensionless axial position, ζ	Dimensionless radius, ρ										
	0	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20
-0.20	0.15007	0.14999	0.14976	0.14938	0.14884	0.14815	0.14732	0.14634	0.14522	0.14396	0.14256
-0.18	0.17497	0.17487	0.17458	0.17410	0.17343	0.17257	0.17153	0.17030	0.16889	0.16731	0.16557
-0.16	0.20529	0.20517	0.20480	0.20419	0.20334	0.20225	0.20093	0.19938	0.19760	0.19561	0.19341
-0.14	0.24247	0.24231	0.24184	0.24106	0.23997	0.23858	0.23690	0.23492	0.23266	0.23012	0.22732
-0.12	0.28842	0.28822	0.28761	0.28660	0.28520	0.28340	0.28122	0.27867	0.27575	0.27249	0.26890
-0.10	0.34578	0.34551	0.34471	0.34338	0.34152	0.33915	0.33629	0.33295	0.32914	0.32489	0.32021
-0.08	0.41823	0.41787	0.41677	0.41496	0.41245	0.40925	0.40539	0.40091	0.39582	0.39016	0.38397
-0.06	0.51133	0.51080	0.50924	0.50665	0.50308	0.49857	0.49316	0.48692	0.47990	0.47216	0.46376
-0.04	0.63430	0.63346	0.63099	0.62694	0.62141	0.61453	0.60642	0.59722	0.58704	0.57599	0.56419
-0.02	0.80611	0.80438	0.79937	0.79149	0.78126	0.76914	0.75551	0.74066	0.72482	0.70819	0.69090
0.00	1.11379	1.08703	1.06034	1.03373	1.00719	0.98071	0.95432	0.92799	0.90174	0.87556	0.84946
0.02	1.41947	1.36768	1.31932	1.27396	1.23110	1.19027	1.15111	1.11330	1.07662	1.04089	1.00596
0.04	1.58532	1.53264	1.48173	1.43254	1.38496	1.33888	1.29417	1.25069	1.20834	1.16698	1.12654
0.06	1.69846	1.64546	1.59364	1.54297	1.49342	1.44495	1.39750	1.35103	1.30547	1.26077	1.21687
0.08	1.77800	1.72484	1.67253	1.62107	1.57044	1.52062	1.47159	1.42332	1.37577	1.32892	1.28274
0.10	1.83335	1.78009	1.72748	1.67552	1.62421	1.57352	1.52345	1.47398	1.42510	1.37678	1.32900
0.12	1.87029	1.81696	1.76414	1.71184	1.66004	1.60875	1.55795	1.50763	1.45779	1.40840	1.35946
0.14	1.89274	1.83936	1.78639	1.73384	1.68169	1.62995	1.57861	1.52766	1.47709	1.42690	1.37708
0.16	1.90357	1.85015	1.79707	1.74432	1.69191	1.63983	1.58807	1.53664	1.48552	1.43471	1.38421
0.18	1.90495	1.85150	1.79832	1.74543	1.69281	1.64046	1.58838	1.53657	1.48502	1.43373	1.38269
0.20	1.89854	1.84507	1.79182	1.73881	1.68603	1.63347	1.58113	1.52902	1.47713	1.42545	1.37398
0.22	1.88568	1.83219	1.77889	1.72578	1.67286	1.62014	1.56760	1.51525	1.46308	1.41109	1.35928
0.24	1.86742	1.81392	1.76057	1.70739	1.65436	1.60150	1.54880	1.49625	1.44386	1.39162	1.33953
0.26	1.84462	1.79110	1.73772	1.68447	1.63136	1.57839	1.52555	1.47285	1.42028	1.36783	1.31552
0.28	1.81796	1.76443	1.71102	1.65772	1.60454	1.55148	1.49853	1.44570	1.39298	1.34037	1.28787
0.30	1.78802	1.73448	1.68104	1.62771	1.57447	1.52133	1.46829	1.41535	1.36251	1.30976	1.25711
0.32	1.75526	1.70171	1.64825	1.59488	1.54159	1.48840	1.43528	1.38225	1.32931	1.27645	1.22367
0.34	1.72005	1.66650	1.61303	1.55963	1.50630	1.45305	1.39988	1.34677	1.29375	1.24079	1.18791
0.36	1.68273	1.62918	1.57569	1.52226	1.46890	1.41561	1.36238	1.30922	1.25612	1.20309	1.15012
0.38	1.64356	1.59000	1.53650	1.48305	1.42967	1.37634	1.32307	1.26986	1.21670	1.16360	1.11055
0.40	1.60276	1.54920	1.49569	1.44223	1.38882	1.33546	1.28215	1.22889	1.17568	1.12253	1.06942
0.42	1.56052	1.50696	1.45344	1.39996	1.34653	1.29315	1.23981	1.18651	1.13327	1.08006	1.02690
0.44	1.51701	1.46344	1.40991	1.35642	1.30298	1.24957	1.19620	1.14288	1.08959	1.03635	0.98314
0.46	1.47235	1.41877	1.36524	1.31174	1.25828	1.20486	1.15147	1.09812	1.04480	0.99152	0.93828
0.48	1.42666	1.37308	1.31954	1.26604	1.21256	1.15912	1.10572	1.05234	0.99900	0.94569	0.89241
0.50	1.38004	1.32646	1.27292	1.21941	1.16592	1.11247	1.05904	1.00565	0.95228	0.89895	0.84564
0.52	1.33258	1.27900	1.22545	1.17193	1.11844	1.06497	1.01153	0.95812	0.90474	0.85138	0.79805
0.54	1.28434	1.23077	1.17721	1.12369	1.07019	1.01671	0.96326	0.90983	0.85643	0.80306	0.74971
0.56	1.23540	1.18182	1.12827	1.07474	1.02123	0.96774	0.91428	0.86085	0.80743	0.75404	0.70067
0.58	1.18581	1.13223	1.07867	1.02514	0.97162	0.91813	0.86466	0.81121	0.75778	0.70438	0.65099
0.60	1.13561	1.08203	1.02847	0.97493	0.92141	0.86791	0.81443	0.76097	0.70754	0.65412	0.60072
0.62	1.08484	1.03126	0.97770	0.92416	0.87063	0.81713	0.76364	0.71018	0.65673	0.60330	0.54989
0.64	1.03354	0.97996	0.92640	0.87286	0.81933	0.76582	0.71233	0.65885	0.60540	0.55196	0.49854
0.66	0.98175	0.92817	0.87460	0.82105	0.76752	0.71401	0.66051	0.60704	0.55357	0.50013	0.44670
0.68	0.92948	0.87589	0.82233	0.76878	0.71525	0.66173	0.60823	0.55474	0.50128	0.44782	0.39439
0.70	0.87675	0.82317	0.76960	0.71605	0.66252	0.60900	0.55549	0.50200	0.44853	0.39507	0.34163
0.72	0.82359	0.77001	0.71644	0.66289	0.60935	0.55583	0.50232	0.44883	0.39535	0.34189	0.28845
0.74	0.77001	0.71643	0.66286	0.60931	0.55577	0.50224	0.44874	0.39524	0.34176	0.28830	0.23485
0.76	0.71602	0.66244	0.60887	0.55531	0.50177	0.44825	0.39474	0.34124	0.28776	0.23429	0.18084
0.78	0.66162	0.60804	0.55447	0.50092	0.44738	0.39385	0.34034	0.28684	0.23336	0.17989	0.12644
0.80	0.60683	0.55324	0.49968	0.44612	0.39258	0.33906	0.28555	0.23205	0.17857	0.12510	0.07164
0.82	0.55163	0.49805	0.44448	0.39093	0.33739	0.28386	0.23035	0.17686	0.12338	0.06991	0.06663
0.84	0.49603	0.44245	0.38888	0.33533	0.28179	0.22827	0.17476	0.12127	0.06779	0.06452	0.06159
0.86	0.44001	0.38643	0.33286	0.27931	0.22577	0.17225	0.11875	0.06526	0.06201	0.05913	0.05656
0.88	0.38355	0.32997	0.27640	0.22285	0.16932	0.11581	0.06231	0.05908	0.05627	0.05379	0.05157
0.90	0.32662	0.27304	0.21948	0.16593	0.11241	0.05890	0.05571	0.05299	0.05064	0.04854	0.04666
0.92	0.26917	0.21559	0.16204	0.10850	0.05498	0.05185	0.04927	0.04707	0.04515	0.04344	0.04190
0.94	0.21113	0.15755	0.10400	0.05047	0.04743	0.04504	0.04307	0.04138	0.03989	0.03855	0.03734
0.96	0.15234	0.09877	0.04523	0.04236	0.04028	0.03862	0.03723	0.03603	0.03495	0.03396	0.03306
0.98	0.09250	0.03894	0.03646	0.03492	0.03376	0.03279	0.03194	0.03117	0.03045	0.02978	0.02915
1.00	0.03012	0.02965	0.02920	0.02874	0.02830	0.02785	0.02741	0.02698	0.02655	0.02613	0.02571

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(a) Continued. Half cone angle, 15.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.34	0.36	0.38	0.40
-0.20	0.14256	0.14104	0.13938	0.13760	0.13571	0.13371	0.13160	0.12938	0.12708	0.12469	0.12221
-0.18	0.16557	0.16366	0.16159	0.15937	0.15701	0.15451	0.15188	0.14913	0.14627	0.14330	0.14023
-0.16	0.19341	0.19100	0.18840	0.18562	0.18265	0.17952	0.17623	0.17279	0.16921	0.16550	0.16168
-0.14	0.22732	0.22427	0.22097	0.21744	0.21370	0.20974	0.20559	0.20126	0.19676	0.19211	0.18732
-0.12	0.26890	0.26499	0.26077	0.25626	0.25149	0.24646	0.24119	0.23571	0.23002	0.22415	0.21812
-0.10	0.32021	0.31513	0.30968	0.30387	0.29773	0.29128	0.28455	0.27756	0.27033	0.26289	0.25525
-0.08	0.38397	0.37728	0.37013	0.36255	0.35456	0.34622	0.33755	0.32857	0.31932	0.30984	0.30014
-0.06	0.46376	0.45475	0.44519	0.43513	0.42463	0.41371	0.40244	0.39084	0.37895	0.36681	0.35445
-0.04	0.56419	0.55171	0.53865	0.52506	0.51102	0.49659	0.48181	0.46673	0.45138	0.43582	0.42006
-0.02	0.69090	0.67306	0.65476	0.63609	0.61709	0.59783	0.57835	0.55869	0.53887	0.51892	0.49888
0.00	0.84946	0.82343	0.79747	0.77160	0.74580	0.72008	0.69444	0.66888	0.64340	0.61800	0.59269
0.02	1.00596	0.97173	0.93810	0.90501	0.87239	0.84018	0.80836	0.77689	0.74572	0.71484	0.68423
0.04	1.12654	1.08690	1.04801	1.00978	0.97215	0.93506	0.89848	0.86235	0.82664	0.79131	0.75632
0.06	1.21687	1.17371	1.13123	1.08940	1.04816	1.00747	0.96729	0.92757	0.88829	0.84941	0.81089
0.08	1.28274	1.23719	1.19223	1.14783	1.10396	1.06059	1.01768	0.97521	0.93314	0.89145	0.85012
0.10	1.32900	1.28175	1.23499	1.18871	1.14289	1.09749	1.05250	1.00790	0.96365	0.91975	0.87616
0.12	1.35946	1.31095	1.26285	1.21515	1.16784	1.12089	1.07429	1.02802	0.98206	0.93640	0.89101
0.14	1.37708	1.32762	1.27849	1.22971	1.18124	1.13308	1.08521	1.03763	0.99032	0.94325	0.89643
0.16	1.38421	1.33400	1.28408	1.23444	1.18506	1.13595	1.08708	1.03846	0.99006	0.94188	0.89390
0.18	1.38269	1.33189	1.28134	1.23102	1.18093	1.13105	1.08139	1.03193	0.98266	0.93358	0.88467
0.20	1.37398	1.32272	1.27166	1.22080	1.17013	1.11965	1.06934	1.01921	0.96924	0.91943	0.86977
0.22	1.35928	1.30765	1.25618	1.20488	1.15375	1.10277	1.05194	1.00126	0.95072	0.90032	0.85005
0.24	1.33953	1.28759	1.23580	1.18415	1.13263	1.08125	1.03000	0.97888	0.92788	0.87700	0.82623
0.26	1.31562	1.26333	1.21127	1.15933	1.10750	1.05579	1.00420	0.95271	0.90133	0.85005	0.79887
0.28	1.28787	1.23548	1.18320	1.13102	1.07894	1.02696	0.97508	0.92330	0.87160	0.82000	0.76848
0.30	1.25711	1.20455	1.15209	1.09971	1.04743	0.99523	0.94311	0.89108	0.83912	0.78725	0.73545
0.32	1.22367	1.17098	1.11836	1.06582	1.01336	0.96097	0.90866	0.85642	0.80425	0.75216	0.70012
0.34	1.18791	1.13510	1.08235	1.02968	0.97707	0.92453	0.87206	0.81965	0.76730	0.71501	0.66278
0.36	1.15012	1.09721	1.04436	0.99157	0.93885	0.88618	0.83357	0.78101	0.72851	0.67607	0.62367
0.38	1.11055	1.05756	1.00463	0.95174	0.89891	0.84614	0.79341	0.74073	0.68811	0.63553	0.58299
0.40	1.06942	1.01636	0.96335	0.91039	0.85747	0.80460	0.75178	0.69900	0.64626	0.59357	0.54092
0.42	1.02690	0.97378	0.92071	0.86768	0.81469	0.76174	0.70883	0.65597	0.60314	0.55035	0.49760
0.44	0.98314	0.92998	0.87685	0.82376	0.77071	0.71769	0.66472	0.61177	0.55887	0.50600	0.45316
0.46	0.93828	0.88507	0.83189	0.77875	0.72565	0.67258	0.61954	0.56654	0.51356	0.46062	0.40771
0.48	0.89241	0.83917	0.78595	0.73277	0.67962	0.62650	0.57341	0.52035	0.46732	0.41432	0.36135
0.50	0.84564	0.79237	0.73912	0.68590	0.63271	0.57955	0.52641	0.47331	0.42023	0.36717	0.31415
0.52	0.79805	0.74475	0.69147	0.63822	0.58500	0.53180	0.47863	0.42548	0.37235	0.31926	0.26618
0.54	0.74971	0.69638	0.64308	0.58980	0.53655	0.48332	0.43011	0.37693	0.32377	0.27063	0.21751
0.56	0.70067	0.64732	0.59400	0.54070	0.48742	0.43416	0.38092	0.32771	0.27452	0.22135	0.16820
0.58	0.65099	0.59763	0.54428	0.49096	0.43766	0.38438	0.33112	0.27788	0.22466	0.17146	0.11828
0.60	0.60072	0.54734	0.49398	0.44064	0.38732	0.33402	0.28074	0.22747	0.17423	0.12100	0.06780
0.62	0.54989	0.49650	0.44312	0.38977	0.33643	0.28311	0.22981	0.17653	0.12326	0.07002	0.06687
0.64	0.49854	0.44514	0.39175	0.33838	0.28503	0.23170	0.17838	0.12508	0.07180	0.06862	0.06563
0.66	0.44670	0.39328	0.33989	0.28651	0.23315	0.17980	0.12647	0.07315	0.06995	0.06694	0.06410
0.68	0.39439	0.34097	0.28756	0.23417	0.18080	0.12744	0.07410	0.07087	0.06785	0.06500	0.06231
0.70	0.34163	0.28820	0.23479	0.18140	0.12801	0.07465	0.07140	0.06837	0.06552	0.06284	0.06031
0.72	0.28845	0.23501	0.18160	0.12819	0.07480	0.07154	0.06851	0.06566	0.06300	0.06048	0.05811
0.74	0.23485	0.18141	0.12799	0.07458	0.07131	0.06827	0.06544	0.06279	0.06031	0.05796	0.05575
0.76	0.18084	0.12740	0.07398	0.07070	0.06767	0.06486	0.06224	0.05978	0.05747	0.05530	0.05325
0.78	0.12644	0.07300	0.06971	0.06670	0.06391	0.06133	0.05891	0.05665	0.05453	0.05252	0.05063
0.80	0.07164	0.06836	0.06537	0.06262	0.06007	0.05771	0.05551	0.05344	0.05149	0.04966	0.04792
0.82	0.06663	0.06366	0.06096	0.05847	0.05617	0.05403	0.05203	0.05016	0.04839	0.04673	0.04515
0.84	0.06159	0.05894	0.05652	0.05430	0.05224	0.05032	0.04853	0.04685	0.04526	0.04376	0.04233
0.86	0.05656	0.05422	0.05209	0.05013	0.04831	0.04661	0.04502	0.04353	0.04211	0.04078	0.03951
0.88	0.05157	0.04955	0.04770	0.04599	0.04441	0.04293	0.04154	0.04023	0.03899	0.03782	0.03670
0.90	0.04666	0.04495	0.04338	0.04193	0.04058	0.03931	0.03811	0.03699	0.03592	0.03490	0.03393
0.92	0.04190	0.04049	0.03919	0.03798	0.03685	0.03579	0.03479	0.03384	0.03293	0.03206	0.03123
0.94	0.03734	0.03622	0.03518	0.03421	0.03329	0.03243	0.03160	0.03081	0.03006	0.02934	0.02864
0.96	0.03306	0.03221	0.03141	0.03066	0.02994	0.02925	0.02859	0.02796	0.02735	0.02675	0.02618
0.98	0.02915	0.02854	0.02796	0.02740	0.02685	0.02633	0.02581	0.02531	0.02482	0.02435	0.02388
1.00	0.02571	0.02529	0.02488	0.02448	0.02407	0.02368	0.02329	0.02290	0.02252	0.02214	0.02176

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(a) Continued. Half cone angle, 15.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.40	0.42	0.44	0.46	0.48	0.50	0.52	0.54	0.56	0.58	0.60
-0.20	0.12221	0.11966	0.11704	0.11436	0.11163	0.10884	0.10602	0.10316	0.10027	0.09736	0.09443
-0.18	0.14023	0.13707	0.13384	0.13053	0.12715	0.12372	0.12024	0.11673	0.11319	0.10962	0.10604
-0.16	0.16168	0.15775	0.15372	0.14961	0.14543	0.14118	0.13688	0.13255	0.12818	0.12379	0.11939
-0.14	0.18732	0.18240	0.17738	0.17225	0.16704	0.16175	0.15642	0.15104	0.14562	0.14020	0.13477
-0.12	0.21812	0.21194	0.20563	0.19920	0.19268	0.18609	0.17943	0.17273	0.16600	0.15926	0.15253
-0.10	0.25525	0.24745	0.23950	0.23142	0.22324	0.21497	0.20664	0.19827	0.18988	0.18149	0.17311
-0.08	0.30014	0.29025	0.28021	0.27003	0.25974	0.24937	0.23893	0.22846	0.21798	0.20751	0.19706
-0.06	0.35445	0.34191	0.32920	0.31637	0.30343	0.29042	0.27736	0.26427	0.25118	0.23811	0.22509
-0.04	0.42006	0.40415	0.38810	0.37196	0.35574	0.33946	0.32316	0.30686	0.29057	0.27433	0.25815
-0.02	0.49888	0.47877	0.45860	0.43840	0.41819	0.39797	0.37778	0.35761	0.33750	0.31746	0.29750
0.00	0.59269	0.56747	0.54233	0.51729	0.49233	0.46747	0.44271	0.41806	0.39350	0.36905	0.34472
0.02	0.68423	0.65387	0.62373	0.59380	0.56407	0.53452	0.50514	0.47593	0.44687	0.41795	0.38917
0.04	0.75632	0.72166	0.68730	0.65320	0.61935	0.58573	0.55232	0.51909	0.48604	0.45313	0.42035
0.06	0.81089	0.77272	0.73486	0.69728	0.65997	0.62289	0.58602	0.54935	0.51284	0.47648	0.44025
0.08	0.85012	0.80910	0.76839	0.72795	0.68776	0.64780	0.60804	0.56846	0.52905	0.48977	0.45061
0.10	0.87616	0.83286	0.78984	0.74706	0.70452	0.66219	0.62004	0.57807	0.53624	0.49454	0.45294
0.12	0.89101	0.84588	0.80100	0.75634	0.71188	0.66761	0.62351	0.57956	0.53575	0.49206	0.44846
0.14	0.89643	0.84983	0.80345	0.75726	0.71125	0.66540	0.61971	0.57416	0.52873	0.48340	0.43817
0.16	0.89390	0.84612	0.79852	0.75109	0.70383	0.65670	0.60972	0.56285	0.51610	0.46944	0.42288
0.18	0.88467	0.83593	0.78736	0.73892	0.69063	0.64247	0.59443	0.54650	0.49866	0.45092	0.40326
0.20	0.86977	0.82026	0.77088	0.72164	0.67251	0.62350	0.57460	0.52579	0.47708	0.42844	0.37989
0.22	0.85005	0.79991	0.74989	0.69997	0.65017	0.60047	0.55086	0.50133	0.45189	0.40253	0.35323
0.24	0.82623	0.77557	0.72501	0.67455	0.62419	0.57392	0.52373	0.47361	0.42358	0.37361	0.32370
0.26	0.79887	0.74779	0.69679	0.64589	0.59506	0.54432	0.49365	0.44305	0.39252	0.34205	0.29163
0.28	0.76848	0.71704	0.66569	0.61441	0.56321	0.51207	0.46100	0.41000	0.35905	0.30817	0.25733
0.30	0.73545	0.68372	0.63207	0.58048	0.52896	0.47750	0.42610	0.37476	0.32347	0.27223	0.22105
0.32	0.70012	0.64815	0.59625	0.54440	0.49262	0.44089	0.38921	0.33758	0.28601	0.23448	0.18299
0.34	0.66278	0.61061	0.55850	0.50643	0.45443	0.40247	0.35056	0.29869	0.24687	0.19510	0.14336
0.36	0.62367	0.57133	0.51904	0.46679	0.41460	0.36245	0.31034	0.25827	0.20625	0.15427	0.10232
0.38	0.58299	0.53051	0.47807	0.42567	0.37331	0.32100	0.26872	0.21649	0.16429	0.11213	0.06000
0.40	0.54092	0.48831	0.43574	0.38322	0.33073	0.27827	0.22586	0.17347	0.12113	0.06881	0.01653
0.42	0.49760	0.44489	0.39221	0.33957	0.28697	0.23440	0.18186	0.12935	0.07688	0.02443	0.02207
0.44	0.45316	0.40036	0.34759	0.29486	0.24215	0.18948	0.13684	0.08422	0.03164	0.02914	0.02678
0.46	0.40771	0.35484	0.30199	0.24917	0.19638	0.14362	0.09089	0.03818	0.03556	0.03309	0.03074
0.48	0.36135	0.30840	0.25549	0.20260	0.14974	0.09690	0.04409	0.04137	0.03879	0.03635	0.03403
0.50	0.31415	0.26115	0.20817	0.15522	0.10230	0.04940	0.04658	0.04392	0.04139	0.03899	0.03671
0.52	0.26618	0.21313	0.16011	0.10710	0.05412	0.05123	0.04849	0.04590	0.04343	0.04108	0.03885
0.54	0.21751	0.16442	0.11135	0.05830	0.05535	0.05254	0.04989	0.04736	0.04496	0.04267	0.04050
0.56	0.16820	0.11507	0.06196	0.05895	0.05609	0.05338	0.05081	0.04836	0.04603	0.04382	0.04170
0.58	0.11828	0.06512	0.06205	0.05915	0.05640	0.05379	0.05131	0.04895	0.04670	0.04455	0.04251
0.60	0.06780	0.06469	0.06175	0.05897	0.05633	0.05382	0.05143	0.04916	0.04700	0.04493	0.04296
0.62	0.06687	0.06390	0.06109	0.05843	0.05590	0.05350	0.05122	0.04904	0.04696	0.04498	0.04308
0.64	0.06563	0.06280	0.06012	0.05758	0.05517	0.05288	0.05070	0.04862	0.04663	0.04473	0.04291
0.66	0.06410	0.06141	0.05887	0.05646	0.05417	0.05199	0.04991	0.04793	0.04603	0.04422	0.04249
0.68	0.06231	0.05978	0.05737	0.05509	0.05292	0.05085	0.04888	0.04700	0.04520	0.04348	0.04183
0.70	0.06031	0.05792	0.05565	0.05350	0.05145	0.04950	0.04764	0.04586	0.04416	0.04253	0.04097
0.72	0.05811	0.05587	0.05374	0.05172	0.04980	0.04796	0.04621	0.04454	0.04294	0.04140	0.03993
0.74	0.05575	0.05365	0.05167	0.04978	0.04798	0.04626	0.04462	0.04305	0.04155	0.04011	0.03873
0.76	0.05325	0.05130	0.04945	0.04770	0.04602	0.04442	0.04290	0.04144	0.04004	0.03869	0.03740
0.78	0.05063	0.04883	0.04713	0.04550	0.04395	0.04247	0.04106	0.03970	0.03840	0.03716	0.03596
0.80	0.04792	0.04627	0.04471	0.04321	0.04179	0.04043	0.03913	0.03788	0.03668	0.03553	0.03442
0.82	0.04515	0.04365	0.04222	0.04086	0.03956	0.03832	0.03713	0.03598	0.03489	0.03383	0.03281
0.84	0.04233	0.04098	0.03969	0.03846	0.03729	0.03616	0.03508	0.03404	0.03304	0.03208	0.03115
0.86	0.03951	0.03830	0.03715	0.03605	0.03499	0.03398	0.03301	0.03207	0.03117	0.03030	0.02946
0.88	0.03670	0.03563	0.03461	0.03364	0.03270	0.03180	0.03093	0.03010	0.02929	0.02851	0.02776
0.90	0.03393	0.03300	0.03211	0.03125	0.03043	0.02964	0.02888	0.02814	0.02742	0.02673	0.02606
0.92	0.03123	0.03043	0.02967	0.02893	0.02822	0.02753	0.02686	0.02622	0.02559	0.02498	0.02439
0.94	0.02864	0.02797	0.02732	0.02669	0.02608	0.02548	0.02491	0.02435	0.02381	0.02328	0.02276
0.96	0.02618	0.02562	0.02508	0.02455	0.02403	0.02353	0.02304	0.02256	0.02209	0.02164	0.02119
0.98	0.02388	0.02342	0.02298	0.02254	0.02211	0.02169	0.02127	0.02087	0.02047	0.02008	0.01969
1.00	0.02176	0.02140	0.02103	0.02067	0.02032	0.01997	0.01962	0.01928	0.01894	0.01861	0.01828

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(a) Continued. Half cone angle, 15.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.60	0.62	0.64	0.66	0.68	0.70	0.72	0.74	0.76	0.78	0.80
-0.20	0.09443	0.09150	0.08856	0.08562	0.08270	0.07979	0.07690	0.07403	0.07120	0.06840	0.06565
-0.18	0.10604	0.10246	0.09888	0.09531	0.09176	0.08823	0.08473	0.08128	0.07787	0.07451	0.07121
-0.16	0.11939	0.11499	0.11061	0.10624	0.10191	0.09762	0.09337	0.08918	0.08506	0.08101	0.07704
-0.14	0.13477	0.12935	0.12395	0.11859	0.11328	0.10802	0.10284	0.09774	0.09273	0.08782	0.08302
-0.12	0.15253	0.14582	0.13915	0.13253	0.12599	0.11952	0.11316	0.10691	0.10079	0.09480	0.08897
-0.10	0.17311	0.16478	0.15650	0.14830	0.14019	0.13220	0.12434	0.11664	0.10911	0.10177	0.09463
-0.08	0.19706	0.18668	0.17637	0.16617	0.15609	0.14616	0.13641	0.12685	0.11752	0.10844	0.09963
-0.06	0.22509	0.21215	0.19930	0.18658	0.17402	0.16163	0.14945	0.13752	0.12586	0.11451	0.10351
-0.04	0.25815	0.24206	0.22608	0.21024	0.19457	0.17910	0.16385	0.14886	0.13418	0.11984	0.10589
-0.02	0.29750	0.27764	0.25790	0.23829	0.21884	0.19958	0.18052	0.16170	0.14314	0.12490	0.10701
0.00	0.34472	0.32049	0.29639	0.27242	0.24858	0.22488	0.20132	0.17792	0.15469	0.13164	0.10879
0.02	0.38917	0.36050	0.33195	0.30351	0.27516	0.24689	0.21869	0.19055	0.16244	0.13436	0.10626
0.04	0.42035	0.38769	0.35513	0.32264	0.29020	0.25780	0.22540	0.19298	0.16051	0.12795	0.09526
0.06	0.44025	0.40411	0.36806	0.33206	0.29609	0.26012	0.22413	0.18809	0.15196	0.11571	0.07930
0.08	0.45061	0.41154	0.37254	0.33359	0.29465	0.25572	0.21676	0.17774	0.13864	0.09943	0.06008
0.10	0.45294	0.41143	0.36999	0.32859	0.28722	0.24584	0.20445	0.16302	0.12152	0.07994	0.03825
0.12	0.44846	0.40495	0.36150	0.31810	0.27473	0.23136	0.18799	0.14460	0.10116	0.05767	0.01410
0.14	0.43817	0.39302	0.34793	0.30289	0.25788	0.21289	0.16791	0.12292	0.07791	0.03286	-0.01224
0.16	0.42288	0.37638	0.32995	0.28357	0.23723	0.19091	0.14461	0.09831	0.05201	0.00569	-0.04066
0.18	0.40326	0.35567	0.30814	0.26066	0.21322	0.16581	0.11843	0.07106	0.02369	-0.02368	-0.07106
0.20	0.37989	0.33139	0.28296	0.23457	0.18623	0.13793	0.08965	0.04139	-0.00685	-0.05509	-0.10333
0.22	0.35323	0.30400	0.25482	0.20569	0.15660	0.10755	0.05853	0.00953	-0.03944	-0.08841	-0.08732
0.24	0.32370	0.27385	0.22405	0.17430	0.12460	0.07493	0.02529	-0.02432	-0.07391	-0.07344	-0.07287
0.26	0.29163	0.24127	0.19096	0.14070	0.09048	0.04029	-0.00987	-0.05999	-0.06005	-0.06000	-0.05985
0.28	0.25733	0.20655	0.15581	0.10511	0.05445	0.00383	-0.04676	-0.04727	-0.04767	-0.04797	-0.04816
0.30	0.22105	0.16990	0.11881	0.06775	0.01673	-0.03426	-0.03517	-0.03596	-0.03664	-0.03721	-0.03769
0.32	0.18299	0.13155	0.08015	0.02879	-0.02254	-0.02379	-0.02492	-0.02593	-0.02683	-0.02763	-0.02833
0.34	0.14336	0.09167	0.04001	-0.01162	-0.01316	-0.01457	-0.01587	-0.01705	-0.01813	-0.01911	-0.01999
0.36	0.10232	0.05041	-0.00147	-0.00326	-0.00493	-0.00647	-0.00790	-0.00922	-0.01043	-0.01155	-0.01258
0.38	0.06000	0.00790	0.00589	0.00402	0.00226	0.00062	-0.00090	-0.00233	-0.00365	-0.00488	-0.00602
0.40	0.01653	0.01433	0.01227	0.01033	0.00851	0.00681	0.00521	0.00371	0.00230	0.00099	-0.00024
0.42	0.02207	0.01985	0.01776	0.01578	0.01392	0.01217	0.01052	0.00897	0.00750	0.00613	0.00483
0.44	0.02678	0.02455	0.02245	0.02045	0.01857	0.01679	0.01511	0.01352	0.01202	0.01060	0.00926
0.46	0.03074	0.02852	0.02642	0.02442	0.02254	0.02075	0.01905	0.01744	0.01592	0.01447	0.01310
0.48	0.03403	0.03183	0.02974	0.02776	0.02588	0.02409	0.02239	0.02078	0.01925	0.01779	0.01640
0.50	0.03671	0.03455	0.03249	0.03053	0.02867	0.02689	0.02520	0.02359	0.02206	0.02060	0.01922
0.52	0.03885	0.03673	0.03471	0.03278	0.03094	0.02919	0.02752	0.02593	0.02441	0.02296	0.02158
0.54	0.04050	0.03842	0.03645	0.03456	0.03276	0.03105	0.02940	0.02784	0.02634	0.02491	0.02354
0.56	0.04170	0.03969	0.03776	0.03592	0.03417	0.03249	0.03088	0.02935	0.02788	0.02647	0.02513
0.58	0.04251	0.04056	0.03869	0.03691	0.03520	0.03357	0.03200	0.03050	0.02907	0.02770	0.02638
0.60	0.04296	0.04107	0.03927	0.03754	0.03589	0.03431	0.03279	0.03134	0.02994	0.02860	0.02732
0.62	0.04308	0.04127	0.03953	0.03787	0.03628	0.03475	0.03328	0.03188	0.03053	0.02923	0.02799
0.64	0.04291	0.04118	0.03951	0.03792	0.03639	0.03492	0.03351	0.03215	0.03085	0.02960	0.02840
0.66	0.04249	0.04083	0.03924	0.03771	0.03625	0.03484	0.03349	0.03219	0.03094	0.02974	0.02858
0.68	0.04183	0.04026	0.03874	0.03729	0.03589	0.03455	0.03326	0.03202	0.03082	0.02967	0.02856
0.70	0.04097	0.03948	0.03804	0.03666	0.03534	0.03406	0.03283	0.03165	0.03052	0.02942	0.02836
0.72	0.03993	0.03852	0.03716	0.03586	0.03461	0.03340	0.03224	0.03112	0.03004	0.02900	0.02800
0.74	0.03873	0.03741	0.03613	0.03491	0.03373	0.03259	0.03150	0.03044	0.02942	0.02844	0.02749
0.76	0.03740	0.03616	0.03497	0.03382	0.03272	0.03165	0.03063	0.02963	0.02868	0.02775	0.02686
0.78	0.03596	0.03481	0.03370	0.03263	0.03160	0.03060	0.02964	0.02872	0.02782	0.02695	0.02612
0.80	0.03442	0.03336	0.03233	0.03134	0.03038	0.02946	0.02857	0.02771	0.02687	0.02607	0.02529
0.82	0.03281	0.03183	0.03089	0.02998	0.02910	0.02825	0.02742	0.02662	0.02585	0.02511	0.02438
0.84	0.03115	0.03026	0.02940	0.02856	0.02775	0.02697	0.02622	0.02548	0.02477	0.02409	0.02342
0.86	0.02946	0.02865	0.02787	0.02711	0.02638	0.02566	0.02497	0.02430	0.02365	0.02302	0.02241
0.88	0.02776	0.02703	0.02632	0.02564	0.02498	0.02433	0.02371	0.02310	0.02251	0.02193	0.02137
0.90	0.02606	0.02541	0.02478	0.02417	0.02357	0.02299	0.02243	0.02188	0.02135	0.02083	0.02032
0.92	0.02439	0.02381	0.02326	0.02271	0.02218	0.02166	0.02116	0.02067	0.02019	0.01972	0.01926
0.94	0.02276	0.02226	0.02176	0.02128	0.02082	0.02036	0.01991	0.01947	0.01904	0.01863	0.01822
0.96	0.02119	0.02075	0.02032	0.01990	0.01949	0.01909	0.01869	0.01831	0.01793	0.01755	0.01719
0.98	0.01969	0.01931	0.01894	0.01858	0.01822	0.01787	0.01752	0.01718	0.01684	0.01651	0.01619
1.00	0.01828	0.01795	0.01763	0.01732	0.01701	0.01670	0.01640	0.01610	0.01580	0.01551	0.01523

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ H_z/AJL$, FOR FIELD POINT INCREMENTS OF 0.02

(a) Concluded. Half cone angle, 15.0.

Dimensionless axial position, ζ	Dimensionless radius, ρ										
	0.80	0.82	0.84	0.86	0.88	0.90	0.92	0.94	0.96	0.98	1.00
-0.20	0.06565	0.06293	0.06027	0.05766	0.05510	0.05260	0.05017	0.04779	0.04548	0.04324	0.04107
-0.18	0.07121	0.06797	0.06480	0.06170	0.05868	0.05573	0.05287	0.05010	0.04741	0.04480	0.04229
-0.16	0.07704	0.07316	0.06937	0.06568	0.06209	0.05861	0.05524	0.05199	0.04885	0.04583	0.04293
-0.14	0.08302	0.07834	0.07379	0.06938	0.06511	0.06098	0.05700	0.05318	0.04952	0.04602	0.04267
-0.12	0.08897	0.08331	0.07782	0.07251	0.06740	0.06248	0.05778	0.05328	0.04900	0.04493	0.04108
-0.10	0.09463	0.08772	0.08105	0.07462	0.06847	0.06258	0.05698	0.05167	0.04666	0.04194	0.03752
-0.08	0.09963	0.09111	0.08292	0.07507	0.06758	0.06047	0.05376	0.04745	0.04156	0.03609	0.03103
-0.06	0.10351	0.09288	0.08267	0.07292	0.06366	0.05493	0.04677	0.03919	0.03221	0.02585	0.02011
-0.04	0.10589	0.09239	0.07939	0.06697	0.05519	0.04412	0.03386	0.02448	0.01603	0.00858	0.00212
-0.02	0.10701	0.08954	0.07255	0.05613	0.04040	0.02549	0.01160	-0.00103	-0.01211	-0.02135	-0.02852
0.00	0.10879	0.08615	0.06374	0.04160	0.01976	-0.00173	-0.02280	-0.04334	-0.06318	-0.08192	-0.09774
0.02	0.10626	0.07813	0.04990	0.02154	-0.00705	-0.03597	-0.06539	-0.09553	-0.12670	-0.15931	-0.14372
0.04	0.09526	0.06239	0.02929	-0.00411	-0.03789	-0.07212	-0.10692	-0.14239	-0.17863	-0.16571	-0.15369
0.06	0.07930	0.04270	0.00585	-0.03128	-0.06875	-0.10661	-0.14491	-0.18368	-0.17296	-0.16273	-0.15304
0.08	0.06008	0.02056	-0.01916	-0.05911	-0.09932	-0.13983	-0.18065	-0.17179	-0.16322	-0.15498	-0.14708
0.10	0.03825	-0.00357	-0.04554	-0.08768	-0.13002	-0.17257	-0.16531	-0.15823	-0.15135	-0.14468	-0.13823
0.12	0.01410	-0.02956	-0.07333	-0.11723	-0.16126	-0.15541	-0.14966	-0.14401	-0.13848	-0.13309	-0.12784
0.14	-0.01224	-0.05740	-0.10263	-0.14795	-0.14333	-0.13874	-0.13420	-0.12972	-0.12531	-0.12098	-0.11673
0.16	-0.04066	-0.08705	-0.13348	-0.12993	-0.12638	-0.12282	-0.11928	-0.11576	-0.11228	-0.10883	-0.10544
0.18	-0.07106	-0.11846	-0.11585	-0.11320	-0.11052	-0.10781	-0.10510	-0.10238	-0.09967	-0.09697	-0.09429
0.20	-0.10333	-0.10154	-0.09968	-0.09776	-0.09580	-0.09380	-0.09177	-0.08972	-0.08766	-0.08559	-0.08351
0.22	-0.08732	-0.08615	-0.08491	-0.08360	-0.08223	-0.08082	-0.07936	-0.07787	-0.07635	-0.07480	-0.07324
0.24	-0.07287	-0.07221	-0.07147	-0.07066	-0.06979	-0.06886	-0.06788	-0.06685	-0.06579	-0.06469	-0.06356
0.26	-0.05985	-0.05961	-0.05929	-0.05890	-0.05843	-0.05790	-0.05732	-0.05668	-0.05600	-0.05528	-0.05452
0.28	-0.04816	-0.04827	-0.04829	-0.04823	-0.04810	-0.04791	-0.04765	-0.04734	-0.04698	-0.04657	-0.04612
0.30	-0.03769	-0.03807	-0.03838	-0.03860	-0.03875	-0.03883	-0.03885	-0.03881	-0.03871	-0.03857	-0.03838
0.32	-0.02833	-0.02894	-0.02947	-0.02992	-0.03030	-0.03061	-0.03086	-0.03104	-0.03117	-0.03125	-0.03128
0.34	-0.01999	-0.02079	-0.02150	-0.02214	-0.02270	-0.02320	-0.02363	-0.02400	-0.02432	-0.02458	-0.02479
0.36	-0.01258	-0.01353	-0.01439	-0.01518	-0.01589	-0.01654	-0.01712	-0.01765	-0.01811	-0.01853	-0.01889
0.38	-0.00602	-0.00708	-0.00807	-0.00897	-0.00981	-0.01058	-0.01129	-0.01193	-0.01252	-0.01306	-0.01355
0.40	-0.00024	-0.00139	-0.00246	-0.00347	-0.00440	-0.00527	-0.00607	-0.00682	-0.00751	-0.00815	-0.00874
0.42	0.00483	0.00362	0.00247	0.00140	0.00039	-0.00055	-0.00143	-0.00226	-0.00303	-0.00375	-0.00443
0.44	0.00926	0.00800	0.00680	0.00567	0.00461	0.00361	0.00267	0.00178	0.00095	0.00016	-0.00058
0.46	0.01310	0.01180	0.01057	0.00941	0.00831	0.00726	0.00628	0.00534	0.00446	0.00363	0.00284
0.48	0.01640	0.01509	0.01384	0.01265	0.01152	0.01045	0.00943	0.00846	0.00755	0.00668	0.00585
0.50	0.01922	0.01789	0.01663	0.01543	0.01429	0.01320	0.01216	0.01118	0.01024	0.00934	0.00849
0.52	0.02158	0.02026	0.01900	0.01780	0.01665	0.01555	0.01451	0.01351	0.01256	0.01165	0.01078
0.54	0.02354	0.02223	0.02098	0.01978	0.01864	0.01755	0.01650	0.01550	0.01454	0.01363	0.01275
0.56	0.02513	0.02384	0.02260	0.02142	0.02029	0.01920	0.01816	0.01717	0.01621	0.01530	0.01442
0.58	0.02638	0.02511	0.02390	0.02274	0.02162	0.02055	0.01953	0.01854	0.01760	0.01669	0.01582
0.60	0.02732	0.02609	0.02490	0.02377	0.02268	0.02163	0.02062	0.01965	0.01872	0.01783	0.01697
0.62	0.02799	0.02679	0.02564	0.02453	0.02347	0.02245	0.02146	0.02052	0.01960	0.01873	0.01788
0.64	0.02840	0.02724	0.02613	0.02506	0.02403	0.02303	0.02208	0.02115	0.02027	0.01941	0.01859
0.66	0.02858	0.02747	0.02640	0.02536	0.02437	0.02341	0.02248	0.02159	0.02073	0.01990	0.01910
0.68	0.02856	0.02750	0.02647	0.02548	0.02452	0.02359	0.02270	0.02184	0.02101	0.02021	0.01944
0.70	0.02836	0.02734	0.02636	0.02541	0.02449	0.02361	0.02276	0.02193	0.02113	0.02036	0.01962
0.72	0.02800	0.02703	0.02609	0.02519	0.02432	0.02347	0.02266	0.02187	0.02111	0.02037	0.01966
0.74	0.02749	0.02657	0.02569	0.02483	0.02400	0.02320	0.02243	0.02168	0.02095	0.02025	0.01957
0.76	0.02686	0.02599	0.02516	0.02435	0.02357	0.02281	0.02208	0.02136	0.02068	0.02001	0.01936
0.78	0.02612	0.02531	0.02452	0.02376	0.02303	0.02231	0.02162	0.02095	0.02030	0.01967	0.01906
0.80	0.02529	0.02453	0.02380	0.02309	0.02240	0.02173	0.02108	0.02045	0.01984	0.01925	0.01867
0.82	0.02438	0.02368	0.02300	0.02234	0.02170	0.02107	0.02047	0.01988	0.01931	0.01875	0.01822
0.84	0.02342	0.02277	0.02214	0.02153	0.02093	0.02035	0.01979	0.01925	0.01871	0.01820	0.01769
0.86	0.02241	0.02181	0.02123	0.02067	0.02012	0.01959	0.01907	0.01856	0.01807	0.01759	0.01712
0.88	0.02137	0.02083	0.02030	0.01978	0.01928	0.01879	0.01831	0.01785	0.01739	0.01695	0.01652
0.90	0.02032	0.01982	0.01934	0.01887	0.01841	0.01797	0.01753	0.01710	0.01668	0.01628	0.01588
0.92	0.01926	0.01882	0.01838	0.01795	0.01754	0.01713	0.01673	0.01634	0.01596	0.01559	0.01523
0.94	0.01822	0.01781	0.01742	0.01704	0.01666	0.01629	0.01593	0.01558	0.01523	0.01489	0.01456
0.96	0.01719	0.01683	0.01648	0.01613	0.01579	0.01546	0.01514	0.01482	0.01450	0.01420	0.01389
0.98	0.01619	0.01587	0.01556	0.01525	0.01494	0.01465	0.01435	0.01407	0.01378	0.01350	0.01323
1.00	0.01523	0.01494	0.01466	0.01439	0.01412	0.01385	0.01359	0.01333	0.01308	0.01283	0.01258

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu_0 JL$, FOR FIELD POINT INCREMENTS OF 0.02

(θ) Half cone angle, 22.5.

Dimensionless axial position,	Dimensionless radius, ρ										
	0	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20
-0.20	0.35702	0.35676	0.35598	0.35468	0.35287	0.35056	0.34776	0.34447	0.34073	0.33653	0.33190
-0.18	0.40217	0.40186	0.40093	0.39938	0.39722	0.39447	0.39113	0.38723	0.38277	0.37780	0.37232
-0.16	0.45461	0.45424	0.45311	0.45125	0.44866	0.44535	0.44135	0.43667	0.43135	0.42541	0.41888
-0.14	0.51583	0.51537	0.51401	0.51174	0.50859	0.50458	0.49973	0.49408	0.48766	0.48052	0.47268
-0.12	0.58776	0.58719	0.58550	0.58270	0.57882	0.57388	0.56794	0.56103	0.55320	0.54452	0.53504
-0.10	0.67295	0.67224	0.67010	0.66656	0.66167	0.65549	0.64806	0.63948	0.62981	0.61913	0.60752
-0.08	0.77498	0.77404	0.77125	0.76664	0.76030	0.75232	0.74282	0.73192	0.71974	0.70640	0.69201
-0.06	0.89920	0.89789	0.89402	0.88769	0.87907	0.86837	0.85578	0.84153	0.82581	0.80880	0.79067
-0.04	1.05454	1.05252	1.04658	1.03707	1.02443	1.00914	0.99163	0.97227	0.95136	0.92918	0.90592
-0.02	1.25962	1.25552	1.24407	1.22705	1.20604	1.18218	1.15624	1.12875	1.10007	1.07049	1.04019
0.00	1.60103	1.55969	1.51853	1.47754	1.43672	1.39607	1.35560	1.31530	1.27517	1.23522	1.19545
0.02	1.94044	1.86187	1.79099	1.72602	1.66539	1.60795	1.55294	1.49982	1.44824	1.39792	1.34867
0.04	2.13954	2.05889	1.98249	1.91001	1.84099	1.77496	1.71151	1.65024	1.59086	1.53311	1.47679
0.06	2.28495	2.20358	2.12511	2.04943	1.97637	1.90574	1.83732	1.77091	1.70631	1.64334	1.58184
0.08	2.39534	2.31360	2.23404	2.15663	2.08127	2.00788	1.93633	1.86653	1.79833	1.73163	1.66632
0.10	2.47974	2.39777	2.31754	2.23903	2.16219	2.08697	2.01331	1.94113	1.87036	1.80092	1.73273
0.12	2.54359	2.46146	2.38077	2.30150	2.22363	2.14711	2.07191	1.99799	1.92530	1.85377	1.78336
0.14	2.59058	2.50834	2.42731	2.34748	2.26883	2.19134	2.11498	2.03973	1.96554	1.89239	1.82022
0.16	2.62339	2.54107	2.45978	2.37951	2.30026	2.22201	2.14475	2.06844	1.99307	1.91861	1.84502
0.18	2.64409	2.56170	2.48020	2.39959	2.31986	2.24100	2.16300	2.08585	2.00951	1.93397	1.85922
0.20	2.65432	2.57186	2.49019	2.40930	2.32918	2.24983	2.17122	2.09336	2.01623	1.93980	1.86406
0.22	2.65539	2.57289	2.49108	2.40996	2.32951	2.24974	2.17063	2.09218	2.01437	1.93719	1.86063
0.24	2.64842	2.56589	2.48396	2.40263	2.32191	2.24179	2.16226	2.08330	2.00493	1.92711	1.84985
0.26	2.63434	2.55177	2.46974	2.38825	2.30729	2.22687	2.14697	2.06760	1.98873	1.91037	1.83251
0.28	2.61394	2.53134	2.44922	2.36758	2.28643	2.20575	2.12554	2.04579	1.96651	1.88768	1.80929
0.30	2.58788	2.50526	2.42306	2.34130	2.25997	2.17907	2.09859	2.01853	1.93888	1.85965	1.78081
0.32	2.55676	2.47411	2.39186	2.30999	2.22851	2.14741	2.06670	1.98636	1.90640	1.82681	1.74758
0.34	2.52108	2.43841	2.35610	2.27414	2.19253	2.11126	2.03035	1.94977	1.86953	1.78963	1.71005
0.36	2.48128	2.39859	2.31623	2.23419	2.15246	2.07105	1.98996	1.90917	1.82869	1.74852	1.66864
0.38	2.43774	2.35504	2.27263	2.19052	2.10869	2.02715	1.94590	1.86493	1.78424	1.70383	1.62369
0.40	2.39080	2.30809	2.22565	2.14347	2.06155	1.97990	1.89851	1.81738	1.73651	1.65589	1.57552
0.42	2.34076	2.25803	2.17556	2.09332	2.01133	1.92958	1.84807	1.76680	1.68576	1.60496	1.52438
0.44	2.28787	2.20514	2.12263	2.04035	1.95829	1.87645	1.79483	1.71343	1.63225	1.55128	1.47053
0.46	2.23236	2.14962	2.06709	1.98476	1.90264	1.82073	1.73902	1.65751	1.57620	1.49509	1.41418
0.48	2.17444	2.09170	2.00914	1.92678	1.84460	1.76262	1.68082	1.59922	1.51780	1.43656	1.35551
0.50	2.11429	2.03153	1.94896	1.86656	1.78434	1.70230	1.62043	1.53873	1.45721	1.37586	1.29469
0.52	2.05205	1.96929	1.88670	1.80427	1.72201	1.63991	1.55798	1.47621	1.39460	1.31315	1.23187
0.54	1.98788	1.90512	1.82251	1.74005	1.65775	1.57561	1.49362	1.41178	1.33009	1.24856	1.16717
0.56	1.92189	1.83912	1.75650	1.67402	1.59169	1.50950	1.42746	1.34556	1.26381	1.18220	1.10073
0.58	1.85419	1.77142	1.68878	1.60629	1.52393	1.44170	1.35962	1.27767	1.19585	1.11417	1.03262
0.60	1.78488	1.70210	1.61946	1.53694	1.45456	1.37230	1.29018	1.20818	1.12631	1.04457	0.96296
0.62	1.71404	1.63126	1.54861	1.46608	1.38367	1.30139	1.21923	1.13719	1.05528	0.97348	0.89181
0.64	1.64175	1.55896	1.47630	1.39376	1.31133	1.22902	1.14684	1.06476	0.98281	0.90097	0.81925
0.66	1.56806	1.48527	1.40260	1.32005	1.23760	1.15528	1.07306	0.99096	0.90897	0.82710	0.74533
0.68	1.49303	1.41024	1.32757	1.24500	1.16255	1.08020	0.99797	0.91584	0.83382	0.75192	0.67011
0.70	1.41671	1.33392	1.25124	1.16866	1.08620	1.00384	0.92159	0.83944	0.75740	0.67547	0.59364
0.72	1.33913	1.25634	1.17365	1.09107	1.00860	0.92623	0.84396	0.76180	0.67974	0.59779	0.51594
0.74	1.26031	1.17752	1.09484	1.01225	0.92977	0.84740	0.76512	0.68295	0.60088	0.51891	0.43704
0.76	1.18029	1.09750	1.01481	0.93222	0.84974	0.76736	0.68508	0.60290	0.52083	0.43885	0.35697
0.78	1.09906	1.01627	0.93358	0.85100	0.76851	0.68613	0.60385	0.52168	0.43960	0.35762	0.27574
0.80	1.01663	0.93384	0.85115	0.76857	0.68609	0.60372	0.52144	0.43927	0.35720	0.27523	0.19335
0.82	0.93298	0.85019	0.76751	0.68493	0.60246	0.52010	0.43783	0.35568	0.27362	0.19166	0.18105
0.84	0.84809	0.76531	0.68263	0.60006	0.51760	0.43525	0.35301	0.27087	0.18884	0.17822	0.16870
0.86	0.76191	0.67913	0.59646	0.51391	0.43147	0.34915	0.26693	0.18483	0.17422	0.16483	0.15641
0.88	0.67437	0.59159	0.50894	0.42641	0.34400	0.26171	0.17955	0.16898	0.15977	0.15160	0.14425
0.90	0.58537	0.50259	0.41996	0.33746	0.25510	0.17287	0.16238	0.15344	0.14562	0.13865	0.13234
0.92	0.49473	0.41197	0.32936	0.24692	0.16463	0.15429	0.14573	0.13838	0.13190	0.12609	0.12081
0.94	0.40219	0.31945	0.23690	0.15455	0.14448	0.13649	0.12979	0.12398	0.11879	0.11409	0.10977
0.96	0.30730	0.22459	0.14216	0.13260	0.12553	0.11978	0.11485	0.11047	0.10649	0.10282	0.09938
0.98	0.20903	0.12644	0.11807	0.11263	0.10832	0.10459	0.10123	0.09812	0.09520	0.09243	0.08978
1.00	0.10258	0.10028	0.09801	0.09577	0.09357	0.09140	0.08927	0.08717	0.08510	0.08307	0.08107

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(b) Continued. Half cone angle, 22.5.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.34	0.36	0.38	0.40
-0.20	0.33190	0.32686	0.32143	0.31563	0.30948	0.30300	0.29622	0.28917	0.28185	0.27430	0.26655
-0.18	0.37232	0.36635	0.35994	0.35310	0.34585	0.33824	0.33028	0.32201	0.31344	0.30462	0.29557
-0.16	0.41888	0.41179	0.40417	0.39607	0.38751	0.37852	0.36915	0.35942	0.34937	0.33903	0.32844
-0.14	0.47268	0.46420	0.45511	0.44546	0.43529	0.42464	0.41356	0.40209	0.39027	0.37814	0.36573
-0.12	0.53504	0.52481	0.51388	0.50233	0.49019	0.47753	0.46439	0.45083	0.43688	0.42261	0.40804
-0.10	0.60752	0.59507	0.58184	0.56791	0.55334	0.53821	0.52257	0.50648	0.49001	0.47319	0.45607
-0.08	0.69201	0.67668	0.66050	0.64358	0.62600	0.60783	0.58915	0.57002	0.55051	0.53067	0.51056
-0.06	0.79067	0.77155	0.75158	0.73086	0.70950	0.68759	0.66521	0.64242	0.61930	0.59589	0.57225
-0.04	0.90592	0.88176	0.85685	0.83131	0.80523	0.77872	0.75185	0.72467	0.69726	0.66965	0.64190
-0.02	1.04019	1.00932	0.97802	0.94637	0.91446	0.88233	0.85005	0.81767	0.78522	0.75273	0.72025
0.00	1.19545	1.15586	1.11645	1.07722	1.03817	0.99931	0.96064	0.92216	0.88387	0.84578	0.80790
0.02	1.34867	1.30033	1.25279	1.20597	1.15978	1.11416	1.06908	1.02448	0.98033	0.93661	0.89330
0.04	1.47679	1.42171	1.36775	1.31477	1.26268	1.21140	1.16086	1.11098	1.06173	1.01306	0.96492
0.06	1.58184	1.52167	1.46270	1.40482	1.34794	1.29197	1.23684	1.18248	1.12882	1.07583	1.02345
0.08	1.66632	1.60228	1.53942	1.47765	1.41690	1.35707	1.29811	1.23994	1.18253	1.12580	1.06971
0.10	1.73273	1.66572	1.59981	1.53493	1.47103	1.40802	1.34586	1.28449	1.22386	1.16391	1.10461
0.12	1.78336	1.71402	1.64568	1.57830	1.51181	1.44617	1.38134	1.31725	1.25388	1.19116	1.12907
0.14	1.82022	1.74901	1.67870	1.60926	1.54065	1.47281	1.40572	1.33934	1.27361	1.20852	1.14400
0.16	1.84502	1.77228	1.70035	1.62921	1.55882	1.48914	1.42014	1.35179	1.28405	1.21690	1.15029
0.18	1.85922	1.78521	1.71194	1.63937	1.56748	1.49623	1.42561	1.35558	1.28611	1.21718	1.14876
0.20	1.86406	1.78900	1.71459	1.64082	1.56765	1.49507	1.42305	1.35158	1.28062	1.21015	1.14015
0.22	1.86063	1.78468	1.70930	1.63450	1.56024	1.48652	1.41330	1.34058	1.26832	1.19652	1.12514
0.24	1.84985	1.77313	1.69693	1.62124	1.54604	1.47133	1.39708	1.32328	1.24990	1.17694	1.10436
0.26	1.83251	1.75512	1.67821	1.60176	1.52576	1.45019	1.37504	1.30030	1.22595	1.15197	1.07835
0.28	1.80929	1.73134	1.65381	1.57670	1.50000	1.42369	1.34776	1.27220	1.19699	1.12213	1.04760
0.30	1.78081	1.70236	1.62430	1.54662	1.46930	1.39234	1.31573	1.23946	1.16351	1.08787	1.01253
0.32	1.74758	1.66870	1.59017	1.51199	1.43414	1.35662	1.27941	1.20251	1.12590	1.04959	0.97355
0.34	1.71005	1.63080	1.55187	1.47325	1.39493	1.31691	1.23918	1.16173	1.08455	1.00764	0.93098
0.36	1.66864	1.58906	1.50977	1.43077	1.35204	1.27358	1.19539	1.11746	1.03978	0.96234	0.88514
0.38	1.62369	1.54383	1.46422	1.38488	1.30579	1.22695	1.14836	1.07000	0.99187	0.91397	0.83629
0.40	1.57552	1.49539	1.41551	1.33587	1.25647	1.17729	1.09834	1.01961	0.94109	0.86278	0.78467
0.42	1.52438	1.44403	1.36391	1.28401	1.20432	1.12485	1.04558	0.96652	0.88766	0.80899	0.73050
0.44	1.47053	1.38999	1.30965	1.22951	1.14958	1.06984	0.99030	0.91094	0.83177	0.75278	0.67397
0.46	1.41418	1.33346	1.25293	1.17259	1.09244	1.01247	0.93268	0.85306	0.77362	0.69435	0.61524
0.48	1.35551	1.27463	1.19394	1.11342	1.03307	0.95290	0.87289	0.79304	0.71336	0.63383	0.55446
0.50	1.29469	1.21368	1.13283	1.05215	0.97163	0.89128	0.81107	0.73103	0.65113	0.57138	0.49177
0.52	1.23187	1.15073	1.06976	0.98894	0.90827	0.82775	0.74737	0.66715	0.58706	0.50711	0.42730
0.54	1.16717	1.08594	1.00484	0.92390	0.84309	0.76243	0.68190	0.60151	0.52126	0.44114	0.36114
0.56	1.10073	1.01939	0.93820	0.85714	0.77622	0.69543	0.61477	0.53424	0.45383	0.37356	0.29340
0.58	1.03262	0.95121	0.86992	0.78877	0.70774	0.62684	0.54606	0.46540	0.38487	0.30445	0.22415
0.60	0.96296	0.88147	0.80011	0.71886	0.63774	0.55674	0.47586	0.39510	0.31445	0.23391	0.15348
0.62	0.89181	0.81026	0.72883	0.64751	0.56631	0.48522	0.40425	0.32339	0.24263	0.16199	0.15243
0.64	0.81925	0.73764	0.65615	0.57477	0.49349	0.41233	0.33128	0.25033	0.16949	0.15975	0.15061
0.66	0.74533	0.66368	0.58213	0.50069	0.41936	0.33814	0.25702	0.17600	0.16609	0.15681	0.14812
0.68	0.67011	0.58842	0.50683	0.42534	0.34396	0.26268	0.18150	0.17145	0.16206	0.15326	0.14502
0.70	0.59364	0.51191	0.43028	0.34876	0.26734	0.18601	0.17583	0.16634	0.15748	0.14917	0.14137
0.72	0.51594	0.43418	0.35253	0.27098	0.18952	0.17922	0.16966	0.16075	0.15242	0.14460	0.13726
0.74	0.43704	0.35527	0.27360	0.19202	0.18163	0.17201	0.16308	0.15474	0.14694	0.13962	0.13273
0.76	0.35697	0.27519	0.19350	0.18303	0.17339	0.16445	0.15614	0.14838	0.14111	0.13429	0.12786
0.78	0.27574	0.19396	0.18342	0.17376	0.16486	0.15660	0.14892	0.14173	0.13500	0.12866	0.12269
0.80	0.19335	0.18277	0.17313	0.16428	0.15612	0.14854	0.14147	0.13486	0.12866	0.12281	0.11730
0.82	0.18105	0.17145	0.16270	0.15466	0.14723	0.14032	0.13387	0.12783	0.12215	0.11679	0.11173
0.84	0.16870	0.16009	0.15222	0.14498	0.13827	0.13203	0.12619	0.12071	0.11554	0.11066	0.10605
0.86	0.15641	0.14876	0.14176	0.13531	0.12931	0.12372	0.11848	0.11355	0.10889	0.10448	0.10030
0.88	0.14425	0.13756	0.13141	0.12573	0.12043	0.11548	0.11082	0.10642	0.10226	0.09831	0.09455
0.90	0.13234	0.12658	0.12127	0.11633	0.11171	0.10738	0.10328	0.09940	0.09572	0.09221	0.08886
0.92	0.12081	0.11594	0.11143	0.10721	0.10324	0.09949	0.09593	0.09255	0.08932	0.08623	0.08327
0.94	0.10977	0.10576	0.10200	0.09845	0.09509	0.09190	0.08885	0.08593	0.08313	0.08043	0.07784
0.96	0.09938	0.09615	0.09308	0.09016	0.08736	0.08468	0.08209	0.07960	0.07719	0.07486	0.07261
0.98	0.08978	0.08724	0.08478	0.08241	0.08012	0.07789	0.07572	0.07362	0.07157	0.06957	0.06763
1.00	0.08107	0.07911	0.07718	0.07528	0.07342	0.07159	0.06979	0.06802	0.06629	0.06459	0.06292

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(b) Continued. Half cone angle, 22.5.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.40	0.42	0.44	0.46	0.48	0.50	0.52	0.54	0.56	0.58	0.60
-0.20	0.26655	0.25861	0.25051	0.24228	0.23393	0.22549	0.21699	0.20844	0.19988	0.19131	0.18277
-0.18	0.29557	0.28631	0.27688	0.26731	0.25761	0.24782	0.23796	0.22807	0.21816	0.20826	0.19840
-0.16	0.32844	0.31763	0.30663	0.29548	0.28420	0.27282	0.26139	0.24991	0.23843	0.22698	0.21558
-0.14	0.36573	0.35308	0.34024	0.32723	0.31410	0.30087	0.28758	0.27427	0.26096	0.24769	0.23450
-0.12	0.40804	0.39323	0.37822	0.36304	0.34774	0.33235	0.31691	0.30146	0.28603	0.27065	0.25537
-0.10	0.45607	0.43872	0.42117	0.40346	0.38563	0.36773	0.34980	0.33186	0.31397	0.29616	0.27846
-0.08	0.51056	0.49021	0.46970	0.44904	0.42830	0.40750	0.38669	0.36590	0.34518	0.32456	0.30408
-0.06	0.57225	0.54842	0.52447	0.50042	0.47631	0.45219	0.42809	0.40405	0.38010	0.35628	0.33263
-0.04	0.64190	0.61406	0.58614	0.55821	0.53028	0.50238	0.47456	0.44684	0.41925	0.39182	0.36459
-0.02	0.72025	0.68778	0.65537	0.62303	0.59079	0.55866	0.52667	0.49484	0.46320	0.43175	0.40052
0.00	0.80790	0.77021	0.73274	0.69547	0.65843	0.62161	0.58501	0.54866	0.51254	0.47668	0.44107
0.02	0.89330	0.85036	0.80779	0.76557	0.72368	0.68212	0.64087	0.59994	0.55930	0.51896	0.47891
0.04	0.96492	0.91728	0.87011	0.82337	0.77706	0.73114	0.68559	0.64039	0.59553	0.55098	0.50674
0.06	1.02345	0.97164	0.92035	0.86956	0.81924	0.76934	0.71985	0.67073	0.62196	0.57352	0.52538
0.08	1.06971	1.01423	0.95930	0.90488	0.85095	0.79747	0.74440	0.69171	0.63938	0.58736	0.53564
0.10	1.10461	1.04591	0.98776	0.93013	0.87299	0.81629	0.76000	0.70409	0.64853	0.59327	0.53830
0.12	1.12907	1.06756	1.00659	0.94612	0.88613	0.82657	0.76740	0.70861	0.65014	0.59198	0.53408
0.14	1.14400	1.08005	1.01660	0.95364	0.89113	0.82903	0.76732	0.70595	0.64491	0.58414	0.52363
0.16	1.15029	1.08421	1.01860	0.95345	0.88873	0.82439	0.76042	0.69677	0.63343	0.57036	0.50753
0.18	1.14876	1.08081	1.01332	0.94625	0.87958	0.81328	0.74731	0.68166	0.61629	0.55118	0.48629
0.20	1.14015	1.07059	1.00145	0.93270	0.86432	0.79628	0.72856	0.66113	0.59397	0.52706	0.46036
0.22	1.12514	1.05418	0.98359	0.91337	0.84349	0.77393	0.70467	0.63568	0.56695	0.49844	0.43015
0.24	1.10436	1.03216	0.96032	0.88881	0.81762	0.74672	0.67610	0.60574	0.53562	0.46571	0.39600
0.26	1.07835	1.00507	0.93213	0.85949	0.78714	0.71507	0.64326	0.57169	0.50034	0.42920	0.35825
0.28	1.04760	0.97338	0.89946	0.82583	0.75247	0.67936	0.60650	0.53387	0.46144	0.38921	0.31716
0.30	1.01253	0.93749	0.86272	0.78822	0.71397	0.63995	0.56616	0.49259	0.41921	0.34602	0.27300
0.32	0.97355	0.89778	0.82226	0.74699	0.67195	0.59714	0.52253	0.44813	0.37391	0.29987	0.22599
0.34	0.93098	0.85457	0.77840	0.70245	0.62672	0.55120	0.47587	0.40074	0.32577	0.25098	0.17634
0.36	0.88514	0.80817	0.73141	0.65487	0.57853	0.50238	0.42642	0.35063	0.27501	0.19955	0.12423
0.38	0.83629	0.75882	0.68155	0.60448	0.52760	0.45090	0.37437	0.29801	0.22181	0.14575	0.06984
0.40	0.78467	0.70676	0.62904	0.55150	0.47414	0.39695	0.31992	0.24305	0.16633	0.08975	0.01330
0.42	0.73050	0.65220	0.57408	0.49613	0.41834	0.34072	0.26324	0.18592	0.10874	0.03169	0.02565
0.44	0.67397	0.59532	0.51684	0.43852	0.36036	0.28235	0.20448	0.12676	0.04916	0.04259	0.03648
0.46	0.61524	0.53628	0.45749	0.37885	0.30035	0.22199	0.14377	0.06569	0.05863	0.05204	0.04591
0.48	0.55446	0.47524	0.39616	0.31723	0.23843	0.15977	0.08124	0.07374	0.06673	0.06017	0.05405
0.50	0.49177	0.41231	0.33299	0.25380	0.17474	0.09580	0.08791	0.08051	0.07358	0.06709	0.06100
0.52	0.42730	0.34762	0.26808	0.18866	0.10936	0.10111	0.09337	0.08610	0.07928	0.07288	0.06687
0.54	0.36114	0.28128	0.20153	0.12191	0.11333	0.10528	0.09772	0.09062	0.08394	0.07765	0.07174
0.56	0.29340	0.21336	0.13344	0.12458	0.11626	0.10843	0.10107	0.09415	0.08762	0.08148	0.07569
0.58	0.22415	0.14397	0.13485	0.12628	0.11822	0.11065	0.10351	0.09678	0.09043	0.08445	0.07880
0.60	0.15348	0.14413	0.13535	0.12709	0.11932	0.11200	0.10510	0.09859	0.09244	0.08663	0.08114
0.62	0.15243	0.14346	0.13503	0.12710	0.11963	0.11259	0.10594	0.09965	0.09371	0.08809	0.08277
0.64	0.15061	0.14204	0.13398	0.12638	0.11922	0.11247	0.10608	0.10004	0.09432	0.08890	0.08377
0.66	0.14812	0.13995	0.13226	0.12502	0.11818	0.11171	0.10560	0.09981	0.09432	0.08912	0.08419
0.68	0.14502	0.13726	0.12995	0.12306	0.11655	0.11039	0.10456	0.09903	0.09378	0.08881	0.08408
0.70	0.14137	0.13403	0.12712	0.12058	0.11441	0.10856	0.10301	0.09775	0.09276	0.08801	0.08350
0.72	0.13726	0.13034	0.12382	0.11765	0.11181	0.10627	0.10102	0.09604	0.09130	0.08679	0.08250
0.74	0.13273	0.12624	0.12011	0.11431	0.10881	0.10360	0.09865	0.09394	0.08946	0.08519	0.08112
0.76	0.12786	0.12179	0.11606	0.11063	0.10547	0.10058	0.09593	0.09150	0.08728	0.08326	0.07942
0.78	0.12269	0.11705	0.11172	0.10665	0.10185	0.09728	0.09293	0.08878	0.08482	0.08105	0.07744
0.80	0.11730	0.11208	0.10714	0.10244	0.09798	0.09373	0.08968	0.08582	0.08212	0.07859	0.07522
0.82	0.11173	0.10693	0.10238	0.09805	0.09393	0.09000	0.08624	0.08266	0.07923	0.07594	0.07280
0.84	0.10605	0.10166	0.09749	0.09352	0.08974	0.08612	0.08266	0.07935	0.07618	0.07313	0.07022
0.86	0.10030	0.09632	0.09253	0.08891	0.08546	0.08215	0.07897	0.07593	0.07301	0.07021	0.06751
0.88	0.09455	0.09097	0.08754	0.08427	0.08113	0.07812	0.07523	0.07245	0.06978	0.06720	0.06473
0.90	0.08886	0.08565	0.08258	0.07964	0.07680	0.07408	0.07146	0.06894	0.06650	0.06415	0.06189
0.92	0.08327	0.08043	0.07769	0.07506	0.07252	0.07008	0.06771	0.06543	0.06322	0.06109	0.05903
0.94	0.07784	0.07533	0.07292	0.07058	0.06832	0.06614	0.06402	0.06197	0.05998	0.05805	0.05617
0.96	0.07261	0.07042	0.06830	0.06624	0.06424	0.06230	0.06041	0.05857	0.05679	0.05505	0.05336
0.98	0.06763	0.06573	0.06388	0.06207	0.06031	0.05859	0.05692	0.05528	0.05368	0.05212	0.05060
1.00	0.06292	0.06128	0.05967	0.05810	0.05655	0.05504	0.05356	0.05210	0.05068	0.04929	0.04792

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(b) Continued. Half cone angle, 22.5°.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.60	0.62	0.64	0.66	0.68	0.70	0.72	0.74	0.76	0.78	0.80
-0.20	0.18277	0.17427	0.16584	0.15749	0.14925	0.14113	0.13316	0.12535	0.11772	0.11028	0.10305
-0.18	0.19840	0.18860	0.17888	0.16928	0.15981	0.15049	0.14135	0.13241	0.12369	0.11520	0.10697
-0.16	0.21558	0.20426	0.19305	0.18198	0.17107	0.16035	0.14985	0.13959	0.12959	0.11989	0.11049
-0.14	0.23450	0.22141	0.20845	0.19566	0.18308	0.17071	0.15862	0.14681	0.13532	0.12418	0.11342
-0.12	0.25537	0.24022	0.22523	0.21044	0.19589	0.18160	0.16763	0.15399	0.14074	0.12791	0.11552
-0.10	0.27846	0.26092	0.24356	0.22644	0.20959	0.19306	0.17687	0.16109	0.14574	0.13088	0.11656
-0.08	0.30408	0.28378	0.26370	0.24388	0.22436	0.20518	0.18640	0.16807	0.15023	0.13294	0.11626
-0.06	0.33263	0.30918	0.28597	0.26304	0.24043	0.21819	0.19637	0.17502	0.15421	0.13398	0.11443
-0.04	0.36459	0.33757	0.31082	0.28435	0.25822	0.23246	0.20711	0.18224	0.15790	0.13415	0.11108
-0.02	0.40052	0.36953	0.33882	0.30840	0.27830	0.24856	0.21921	0.19029	0.16185	0.13394	0.10663
0.00	0.44107	0.40574	0.37068	0.33592	0.30146	0.26733	0.23353	0.20010	0.16705	0.13441	0.10221
0.02	0.47891	0.43915	0.39967	0.36047	0.32154	0.28289	0.24451	0.20640	0.16855	0.13096	0.09362
0.04	0.50674	0.46278	0.41910	0.37567	0.33247	0.28949	0.24671	0.20410	0.16163	0.11928	0.07700
0.06	0.52638	0.47751	0.42989	0.38250	0.33531	0.28828	0.24138	0.19458	0.14783	0.10109	0.05430
0.08	0.53564	0.48418	0.43294	0.38191	0.33104	0.28029	0.22964	0.17903	0.12842	0.07776	0.02699
0.10	0.53830	0.48357	0.42905	0.37471	0.32052	0.26642	0.21239	0.15838	0.10434	0.05023	-0.00401
0.12	0.53408	0.47841	0.41895	0.36164	0.30446	0.24738	0.19034	0.13332	0.07626	0.01914	-0.03811
0.14	0.52363	0.46334	0.40324	0.34329	0.28347	0.22373	0.16404	0.10436	0.04466	-0.01511	-0.07497
0.16	0.50753	0.44491	0.38247	0.32018	0.25801	0.19592	0.13389	0.07188	0.00986	-0.05221	-0.11435
0.18	0.48629	0.42161	0.35710	0.29274	0.22849	0.16434	0.10024	0.03618	-0.02788	-0.09196	-0.15610
0.20	0.46036	0.39386	0.32753	0.26133	0.19526	0.12928	0.06337	-0.00251	-0.06836	-0.13422	-0.20010
0.22	0.43015	0.36204	0.29409	0.22628	0.15860	0.09101	0.02349	-0.04397	-0.11140	-0.17883	-0.17542
0.24	0.39600	0.32647	0.25710	0.18787	0.11876	0.04975	-0.01918	-0.08805	-0.15688	-0.15484	-0.15253
0.26	0.35825	0.28746	0.21684	0.14635	0.07598	0.00571	-0.06447	-0.13459	-0.13380	-0.13271	-0.13135
0.28	0.31716	0.24527	0.17354	0.10193	0.03045	-0.04093	-0.11222	-0.11259	-0.11262	-0.11235	-0.11180
0.30	0.27300	0.20013	0.12741	0.05483	-0.01764	-0.09001	-0.09143	-0.09249	-0.09322	-0.09365	-0.09380
0.32	0.22599	0.15226	0.07867	0.00521	-0.06813	-0.07051	-0.07251	-0.07416	-0.07549	-0.07651	-0.07726
0.34	0.17634	0.10184	0.02748	-0.04675	-0.05001	-0.05287	-0.05536	-0.05750	-0.05933	-0.06085	-0.06211
0.36	0.12423	0.04906	-0.02599	-0.03004	-0.03368	-0.03694	-0.03983	-0.04239	-0.04463	-0.04658	-0.04827
0.38	0.06984	-0.00594	-0.01072	-0.01507	-0.01902	-0.02260	-0.02582	-0.02872	-0.03131	-0.03362	-0.03566
0.40	0.01330	0.00787	0.00287	-0.00171	-0.00591	-0.00974	-0.01323	-0.01640	-0.01928	-0.02188	-0.02421
0.42	0.02565	0.02007	0.01492	0.01016	0.00578	0.00175	-0.00195	-0.00534	-0.00845	-0.01128	-0.01386
0.44	0.03648	0.03081	0.02555	0.02067	0.01615	0.01197	0.00811	0.00454	0.00126	-0.00177	-0.00454
0.46	0.04591	0.04019	0.03486	0.02991	0.02529	0.02101	0.01703	0.01333	0.00991	0.00674	0.00382
0.48	0.05405	0.04832	0.04297	0.03797	0.03331	0.02895	0.02489	0.02111	0.01759	0.01431	0.01127
0.50	0.06100	0.05530	0.04996	0.04496	0.04027	0.03588	0.03178	0.02794	0.02436	0.02100	0.01788
0.52	0.06687	0.06122	0.05592	0.05094	0.04627	0.04188	0.03776	0.03390	0.03027	0.02688	0.02370
0.54	0.07174	0.06617	0.06093	0.05601	0.05137	0.04700	0.04290	0.03903	0.03540	0.03199	0.02878
0.56	0.07569	0.07023	0.06508	0.06022	0.05564	0.05133	0.04726	0.04342	0.03980	0.03639	0.03318
0.58	0.07880	0.07346	0.06842	0.06366	0.05916	0.05491	0.05090	0.04711	0.04352	0.04014	0.03695
0.60	0.08114	0.07594	0.07103	0.06638	0.06198	0.05782	0.05388	0.05015	0.04662	0.04328	0.04012
0.62	0.08277	0.07774	0.07296	0.06844	0.06416	0.06010	0.05625	0.05260	0.04914	0.04586	0.04275
0.64	0.08377	0.07890	0.07429	0.06991	0.06575	0.06181	0.05806	0.05450	0.05113	0.04792	0.04487
0.66	0.08419	0.07950	0.07505	0.07083	0.06681	0.06299	0.05936	0.05591	0.05263	0.04950	0.04653
0.68	0.08408	0.07958	0.07531	0.07125	0.06738	0.06370	0.06020	0.05686	0.05368	0.05065	0.04777
0.70	0.08350	0.07920	0.07512	0.07122	0.06751	0.06398	0.06061	0.05740	0.05433	0.05141	0.04862
0.72	0.08250	0.07841	0.07451	0.07080	0.06725	0.06387	0.06064	0.05756	0.05462	0.05181	0.04912
0.74	0.08112	0.07725	0.07354	0.07001	0.06664	0.06341	0.06033	0.05739	0.05457	0.05188	0.04930
0.76	0.07942	0.07576	0.07226	0.06891	0.06571	0.06265	0.05972	0.05692	0.05423	0.05166	0.04920
0.78	0.07744	0.07399	0.07069	0.06754	0.06451	0.06162	0.05884	0.05618	0.05364	0.05119	0.04885
0.80	0.07522	0.07199	0.06889	0.06592	0.06308	0.06035	0.05773	0.05522	0.05281	0.05049	0.04827
0.82	0.07280	0.06978	0.06689	0.06411	0.06144	0.05888	0.05642	0.05406	0.05178	0.04960	0.04750
0.84	0.07022	0.06741	0.06472	0.06213	0.05964	0.05725	0.05494	0.05273	0.05059	0.04854	0.04656
0.86	0.06751	0.06492	0.06242	0.06002	0.05771	0.05548	0.05333	0.05126	0.04926	0.04733	0.04547
0.88	0.06473	0.06234	0.06003	0.05781	0.05567	0.05360	0.05161	0.04968	0.04781	0.04602	0.04428
0.90	0.06189	0.05970	0.05758	0.05554	0.05356	0.05165	0.04980	0.04801	0.04628	0.04461	0.04299
0.92	0.05903	0.05703	0.05509	0.05322	0.05140	0.04964	0.04794	0.04628	0.04468	0.04313	0.04162
0.94	0.05617	0.05436	0.05259	0.05088	0.04922	0.04761	0.04604	0.04452	0.04304	0.04160	0.04021
0.96	0.05336	0.05171	0.05011	0.04856	0.04704	0.04556	0.04413	0.04273	0.04137	0.04004	0.03876
0.98	0.05060	0.04912	0.04767	0.04626	0.04488	0.04353	0.04222	0.04094	0.03969	0.03847	0.03729
1.00	0.04792	0.04659	0.04528	0.04400	0.04275	0.04153	0.04033	0.03917	0.03802	0.03691	0.03582

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu_0 JL$, FOR FIELD POINT INCREMENTS OF 0.02

(b) Concluded. Half cone angle, 22.5°.

Dimensionless axial position, ζ	Dimensionless radius, ρ										
	0.80	0.82	0.84	0.86	0.88	0.90	0.92	0.94	0.96	0.98	1.00
-0.20	0.10305	0.09604	0.08926	0.08273	0.07645	0.07043	0.06468	0.05920	0.05400	0.04906	0.04440
-0.18	0.10697	0.09902	0.09134	0.08397	0.07691	0.07017	0.06376	0.05768	0.05193	0.04651	0.04143
-0.16	0.11049	0.10143	0.09272	0.08438	0.07642	0.06885	0.06168	0.05493	0.04858	0.04265	0.03712
-0.14	0.11342	0.10306	0.09313	0.08365	0.07465	0.06612	0.05810	0.05058	0.04358	0.03708	0.03109
-0.12	0.11552	0.10363	0.09226	0.08143	0.07119	0.06155	0.05254	0.04415	0.03641	0.02931	0.02284
-0.10	0.11656	0.10281	0.08970	0.07725	0.06552	0.05454	0.04435	0.03496	0.02639	0.01865	0.01171
-0.08	0.11626	0.10026	0.08499	0.07054	0.05695	0.04431	0.03266	0.02206	0.01253	0.00409	-0.00328
-0.06	0.11443	0.09563	0.07766	0.06063	0.04464	0.02981	0.01625	0.00406	-0.00666	-0.01588	-0.02359
-0.04	0.11108	0.08877	0.06734	0.04691	0.02765	0.00974	-0.00661	-0.02114	-0.03360	-0.04381	-0.05168
-0.02	0.10663	0.08000	0.05416	0.02924	0.00540	-0.01712	-0.03800	-0.05676	-0.07273	-0.08500	-0.09272
0.00	0.10221	0.07050	0.03933	0.00875	-0.02115	-0.05026	-0.07843	-0.10543	-0.13085	-0.15386	-0.17045
0.02	0.09362	0.05651	0.01962	-0.01710	-0.05370	-0.09028	-0.12699	-0.16413	-0.20223	-0.24224	-0.21481
0.04	0.07700	0.03473	-0.00759	-0.05004	-0.09275	-0.13588	-0.17963	-0.22427	-0.27017	-0.24689	-0.22543
0.06	0.05430	0.00740	-0.03970	-0.08709	-0.13488	-0.18320	-0.23221	-0.28208	-0.26217	-0.24326	-0.22552
0.08	0.02699	-0.02395	-0.07514	-0.12666	-0.17859	-0.23103	-0.28409	-0.26705	-0.25061	-0.23488	-0.21994
0.10	-0.00401	-0.05843	-0.11310	-0.16807	-0.22342	-0.27921	-0.26469	-0.25054	-0.23682	-0.22360	-0.21095
0.12	-0.03811	-0.09553	-0.15316	-0.21106	-0.26928	-0.25704	-0.24499	-0.23320	-0.22171	-0.21058	-0.19984
0.14	-0.07497	-0.13497	-0.19516	-0.25556	-0.24540	-0.23531	-0.22533	-0.21552	-0.20591	-0.19654	-0.18744
0.16	-0.11435	-0.17660	-0.23900	-0.23074	-0.22245	-0.21418	-0.20596	-0.19784	-0.18983	-0.18199	-0.17432
0.18	-0.15610	-0.22032	-0.21381	-0.20720	-0.20052	-0.19381	-0.18710	-0.18042	-0.17381	-0.16728	-0.16087
0.20	-0.20010	-0.19521	-0.19015	-0.18495	-0.17965	-0.17429	-0.16888	-0.16346	-0.15806	-0.15269	-0.14738
0.22	-0.17542	-0.17179	-0.16797	-0.16400	-0.15989	-0.15569	-0.15142	-0.14710	-0.14275	-0.13839	-0.13405
0.24	-0.15253	-0.14999	-0.14725	-0.14433	-0.14126	-0.13807	-0.13478	-0.13141	-0.12799	-0.12453	-0.12104
0.26	-0.13135	-0.12975	-0.12794	-0.12593	-0.12376	-0.12145	-0.11902	-0.11648	-0.11387	-0.11119	-0.10846
0.28	-0.11180	-0.11101	-0.11000	-0.10878	-0.10739	-0.10584	-0.10415	-0.10235	-0.10044	-0.09845	-0.09639
0.30	-0.09380	-0.09370	-0.09338	-0.09284	-0.09212	-0.09123	-0.09019	-0.08902	-0.08774	-0.08635	-0.08488
0.32	-0.07726	-0.07776	-0.07802	-0.07807	-0.07793	-0.07762	-0.07714	-0.07653	-0.07578	-0.07493	-0.07397
0.34	-0.06211	-0.06311	-0.06388	-0.06443	-0.06479	-0.06497	-0.06498	-0.06485	-0.06458	-0.06419	-0.06369
0.36	-0.04827	-0.04970	-0.05090	-0.05188	-0.05266	-0.05327	-0.05370	-0.05398	-0.05412	-0.05413	-0.05403
0.38	-0.03566	-0.03745	-0.03901	-0.04036	-0.04151	-0.04248	-0.04327	-0.04391	-0.04441	-0.04477	-0.04501
0.40	-0.02421	-0.02631	-0.02817	-0.02983	-0.03129	-0.03256	-0.03367	-0.03461	-0.03541	-0.03607	-0.03661
0.42	-0.01386	-0.01621	-0.01833	-0.02024	-0.02195	-0.02349	-0.02485	-0.02606	-0.02712	-0.02804	-0.02883
0.44	-0.00454	-0.00709	-0.00941	-0.01153	-0.01346	-0.01521	-0.01680	-0.01822	-0.01950	-0.02064	-0.02166
0.46	0.00382	0.00111	-0.00138	-0.00367	-0.00578	-0.00770	-0.00947	-0.01108	-0.01254	-0.01387	-0.01506
0.48	0.01127	0.00844	0.00582	0.00340	0.00115	-0.00092	-0.00283	-0.00459	-0.00620	-0.00768	-0.00904
0.50	0.01788	0.01496	0.01225	0.00972	0.00736	0.00518	0.00315	0.00128	-0.00046	-0.00207	-0.00355
0.52	0.02370	0.02072	0.01794	0.01533	0.01290	0.01063	0.00852	0.00654	0.00471	0.00301	0.00142
0.54	0.02878	0.02577	0.02294	0.02029	0.01780	0.01547	0.01329	0.01125	0.00934	0.00756	0.00590
0.56	0.03318	0.03016	0.02731	0.02463	0.02211	0.01974	0.01752	0.01543	0.01347	0.01163	0.00991
0.58	0.03695	0.03393	0.03108	0.02840	0.02587	0.02348	0.02123	0.01911	0.01711	0.01524	0.01347
0.60	0.04012	0.03713	0.03430	0.03163	0.02910	0.02671	0.02445	0.02232	0.02031	0.01841	0.01661
0.62	0.04275	0.03980	0.03700	0.03436	0.03185	0.02947	0.02722	0.02509	0.02308	0.02117	0.01937
0.64	0.04487	0.04198	0.03923	0.03663	0.03415	0.03180	0.02957	0.02746	0.02545	0.02355	0.02175
0.66	0.04653	0.04371	0.04102	0.03847	0.03604	0.03373	0.03153	0.02944	0.02746	0.02557	0.02378
0.68	0.04777	0.04502	0.04241	0.03992	0.03754	0.03528	0.03313	0.03108	0.02913	0.02727	0.02550
0.70	0.04862	0.04596	0.04343	0.04101	0.03870	0.03649	0.03439	0.03239	0.03048	0.02865	0.02692
0.72	0.04912	0.04656	0.04411	0.04177	0.03953	0.03739	0.03535	0.03340	0.03154	0.02976	0.02806
0.74	0.04930	0.04684	0.04448	0.04223	0.04007	0.03801	0.03603	0.03414	0.03233	0.03060	0.02895
0.76	0.04920	0.04684	0.04459	0.04242	0.04035	0.03836	0.03646	0.03463	0.03289	0.03121	0.02961
0.78	0.04885	0.04660	0.04444	0.04237	0.04039	0.03848	0.03665	0.03490	0.03322	0.03160	0.03006
0.80	0.04827	0.04613	0.04408	0.04211	0.04022	0.03840	0.03665	0.03497	0.03335	0.03180	0.03031
0.82	0.04750	0.04547	0.04353	0.04166	0.03986	0.03813	0.03646	0.03486	0.03331	0.03183	0.03040
0.84	0.04656	0.04465	0.04281	0.04104	0.03934	0.03769	0.03611	0.03458	0.03311	0.03170	0.03033
0.86	0.04547	0.04368	0.04195	0.04028	0.03867	0.03712	0.03562	0.03417	0.03278	0.03143	0.03013
0.88	0.04428	0.04260	0.04098	0.03941	0.03789	0.03643	0.03501	0.03365	0.03232	0.03105	0.02981
0.90	0.04299	0.04142	0.03990	0.03843	0.03701	0.03563	0.03430	0.03301	0.03177	0.03056	0.02939
0.92	0.04162	0.04016	0.03875	0.03738	0.03605	0.03476	0.03351	0.03230	0.03112	0.02999	0.02889
0.94	0.04021	0.03885	0.03754	0.03626	0.03502	0.03382	0.03265	0.03151	0.03041	0.02934	0.02830
0.96	0.03876	0.03750	0.03628	0.03510	0.03394	0.03282	0.03173	0.03067	0.02964	0.02864	0.02766
0.98	0.03729	0.03613	0.03500	0.03391	0.03284	0.03179	0.03078	0.02979	0.02882	0.02789	0.02697
1.00	0.03582	0.03475	0.03371	0.03270	0.03170	0.03074	0.02979	0.02887	0.02798	0.02710	0.02625

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(c) Half cone angle, 30.0.

Dimensionless axial position, ζ	Dimensionless radius, ρ										
	0	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20
-0.20	0.62437	0.62378	0.62203	0.61912	0.61509	0.60994	0.60373	0.59649	0.58827	0.57912	0.56910
-0.18	0.68742	0.68674	0.68470	0.68131	0.67662	0.67065	0.66345	0.65508	0.64560	0.63506	0.62354
-0.16	0.75869	0.75788	0.75548	0.75151	0.74600	0.73901	0.73061	0.72086	0.70984	0.69764	0.68434
-0.14	0.83963	0.83868	0.83582	0.83109	0.82455	0.81628	0.80637	0.79491	0.78201	0.76778	0.75233
-0.12	0.93213	0.93097	0.92750	0.92178	0.91391	0.90398	0.89214	0.87852	0.86328	0.84655	0.82848
-0.10	1.03867	1.03723	1.03292	1.02585	1.01615	1.00402	0.98964	0.97324	0.95501	0.93516	0.91386
-0.08	1.16275	1.16088	1.15533	1.14629	1.13401	1.11880	1.10099	1.08089	1.05879	1.03496	1.00964
-0.06	1.30958	1.30702	1.29947	1.28732	1.27111	1.25140	1.22874	1.20360	1.17639	1.14745	1.11707
-0.04	1.48801	1.48408	1.47273	1.45507	1.43235	1.40568	1.37592	1.34376	1.30971	1.27415	1.23740
-0.02	1.71650	1.70866	1.68787	1.65865	1.62412	1.58613	1.54578	1.50376	1.46055	1.41646	1.37173
0.00	2.08148	2.02391	1.96668	1.90977	1.85321	1.79698	1.74108	1.68552	1.63031	1.57543	1.52089
0.02	2.44446	2.33716	2.24348	2.15890	2.08028	2.00581	1.93436	1.86526	1.79803	1.73236	1.66801
0.04	2.66695	2.55575	2.45262	2.35647	2.26604	2.18024	2.09818	2.01920	1.94279	1.86856	1.79620
0.06	2.83541	2.72284	2.61591	2.51423	2.41728	2.32448	2.23531	2.14928	2.06598	1.98509	1.90632
0.08	2.96833	2.85506	2.74611	2.64131	2.54041	2.44309	2.34903	2.25791	2.16946	2.08340	1.99951
0.10	3.07457	2.96087	2.85067	2.74389	2.64037	2.53994	2.44240	2.34754	2.25515	2.16505	2.07705
0.12	3.15942	3.04543	2.93438	2.82621	2.72084	2.61816	2.51804	2.42032	2.32488	2.23157	2.14025
0.14	3.22641	3.11221	3.00054	2.89136	2.78461	2.68022	2.57811	2.47817	2.38030	2.28439	2.19034
0.16	3.27811	3.16375	3.05160	2.94163	2.83382	2.72809	2.62440	2.52268	2.42283	2.32479	2.22848
0.18	3.31646	3.20197	3.08944	2.97885	2.87017	2.76337	2.65840	2.55521	2.45374	2.35392	2.25569
0.20	3.34299	3.22840	3.11556	3.00446	2.89508	2.78739	2.68136	2.57694	2.47410	2.37277	2.27292
0.22	3.35896	3.24428	3.13119	3.01966	2.90969	2.80126	2.69433	2.58887	2.48486	2.38225	2.28099
0.24	3.36541	3.25066	3.13734	3.02545	2.91498	2.80591	2.69822	2.59187	2.48685	2.38312	2.28065
0.26	3.36321	3.24840	3.13489	3.02270	2.91179	2.80217	2.69381	2.58670	2.48080	2.37609	2.27255
0.28	3.35313	3.23826	3.12459	3.01212	2.90084	2.79074	2.68181	2.57401	2.46735	2.36179	2.25731
0.30	3.33581	3.22089	3.10708	2.99438	2.88277	2.77225	2.66280	2.55441	2.44707	2.34075	2.23543
0.32	3.31183	3.19687	3.08294	2.97002	2.85812	2.74723	2.63733	2.52842	2.42047	2.31348	2.20742
0.34	3.28170	3.16670	3.05265	2.93956	2.82740	2.71617	2.60587	2.49649	2.38801	2.28041	2.17369
0.36	3.24586	3.13083	3.01668	2.90342	2.79103	2.67951	2.56885	2.45905	2.35009	2.24196	2.13464
0.38	3.20471	3.08965	2.97542	2.86200	2.74941	2.63763	2.52665	2.41647	2.30708	2.19846	2.09061
0.40	3.15861	3.04353	2.92921	2.81567	2.70289	2.59087	2.47960	2.36909	2.25931	2.15026	2.04193
0.42	3.10788	2.99278	2.87839	2.76473	2.65178	2.53955	2.42802	2.31720	2.20708	2.09764	1.98887
0.44	3.05281	2.93768	2.82323	2.70946	2.59636	2.48394	2.37218	2.26109	2.15065	2.04086	1.93170
0.46	2.99365	2.87850	2.76400	2.65013	2.53690	2.42430	2.31234	2.20100	2.09027	1.98016	1.87065
0.48	2.93064	2.81547	2.70091	2.58696	2.47361	2.36086	2.24870	2.13714	2.02616	1.91577	1.80594
0.50	2.86398	2.74880	2.63419	2.52016	2.40670	2.29381	2.18149	2.06972	1.95852	1.84786	1.73775
0.52	2.79387	2.67867	2.56402	2.44992	2.33636	2.22335	2.11087	1.99893	1.88752	1.77663	1.66626
0.54	2.72046	2.60526	2.49057	2.37640	2.26276	2.14963	2.03702	1.92491	1.81332	1.70222	1.59162
0.56	2.64392	2.52870	2.41398	2.29976	2.18604	2.07281	1.96008	1.84783	1.73607	1.62479	1.51398
0.58	2.56438	2.44915	2.33440	2.22013	2.10634	1.99302	1.88017	1.76780	1.65589	1.54445	1.43346
0.60	2.48195	2.36671	2.25194	2.13762	2.02377	1.91037	1.79743	1.68495	1.57291	1.46132	1.35017
0.62	2.39674	2.28150	2.16670	2.05235	1.93844	1.82498	1.71195	1.59937	1.48722	1.37550	1.26421
0.64	2.30885	2.19359	2.07878	1.96439	1.85044	1.73692	1.62382	1.51116	1.39891	1.28708	1.17566
0.66	2.21834	2.10308	1.98825	1.87384	1.75985	1.64628	1.53312	1.42038	1.30806	1.19614	1.08462
0.68	2.12529	2.01003	1.89518	1.78075	1.66673	1.55312	1.43992	1.32712	1.21473	1.10273	0.99113
0.70	2.02975	1.91448	1.79962	1.68518	1.57113	1.45749	1.34426	1.23142	1.11897	1.00692	0.89526
0.72	1.93175	1.81648	1.70162	1.58716	1.47310	1.35944	1.24618	1.13332	1.02084	0.90875	0.79704
0.74	1.83132	1.71605	1.60119	1.48672	1.37266	1.25899	1.14572	1.03284	0.92035	0.80824	0.69650
0.76	1.72847	1.61320	1.49834	1.38388	1.26982	1.15616	1.04289	0.93001	0.81752	0.70541	0.59368
0.78	1.62319	1.50793	1.39307	1.27862	1.16458	1.05093	0.93769	0.82483	0.71237	0.60028	0.48857
0.80	1.51546	1.40020	1.28535	1.17093	1.05691	0.94330	0.83009	0.71728	0.60486	0.49283	0.38117
0.82	1.40522	1.28996	1.17514	1.06074	0.94677	0.83321	0.72007	0.60734	0.49500	0.38304	0.35918
0.84	1.29239	1.17714	1.06235	0.94800	0.83409	0.72062	0.60757	0.49494	0.38271	0.35872	0.33720
0.86	1.17685	1.06162	0.94687	0.83259	0.71877	0.60541	0.49250	0.38002	0.35595	0.33459	0.31537
0.88	1.05843	0.94322	0.82853	0.71435	0.60066	0.48747	0.37474	0.35067	0.32961	0.31083	0.29386
0.90	0.93687	0.82169	0.70709	0.59305	0.47957	0.36661	0.34263	0.32203	0.30389	0.28762	0.27283
0.92	0.81180	0.69666	0.58220	0.46839	0.35520	0.33146	0.31159	0.29435	0.27903	0.26517	0.25246
0.94	0.68261	0.56756	0.45334	0.33989	0.31665	0.29791	0.28197	0.26793	0.25527	0.24368	0.23294
0.96	0.54825	0.43337	0.31961	0.29738	0.28050	0.26646	0.25416	0.24308	0.23288	0.22338	0.21444
0.98	0.40648	0.29208	0.27230	0.25875	0.24758	0.23768	0.22861	0.22012	0.21210	0.20445	0.19712
1.00	0.24653	0.23938	0.23237	0.22549	0.21875	0.21214	0.20566	0.19932	0.19312	0.18704	0.18110

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu_0 JL$, FOR FIELD POINT INCREMENTS OF 0.02

(c) Continued. Half cone angle, 30.0.

Dimensionless axial position, ζ	Dimensionless radius, ρ										
	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.34	0.36	0.38	0.40
-0.20	0.56910	0.55824	0.54663	0.53430	0.52132	0.50775	0.49363	0.47903	0.46401	0.44860	0.43287
-0.18	0.62354	0.61111	0.59782	0.58376	0.56899	0.55358	0.53758	0.52108	0.50411	0.48676	0.46906
-0.16	0.68434	0.67002	0.65478	0.63869	0.62183	0.60429	0.58613	0.56744	0.54827	0.52869	0.50877
-0.14	0.75233	0.73577	0.71820	0.69972	0.68043	0.66042	0.63977	0.61856	0.59687	0.57478	0.55234
-0.12	0.82848	0.80921	0.78886	0.76756	0.74541	0.72253	0.69899	0.67491	0.65035	0.62540	0.60012
-0.10	0.91386	0.89129	0.86761	0.84295	0.81745	0.79121	0.76435	0.73697	0.70914	0.68095	0.65247
-0.08	1.00964	0.98303	0.95532	0.92667	0.89721	0.86708	0.83638	0.80522	0.77367	0.74183	0.70977
-0.06	1.11707	1.08549	1.05291	1.01949	0.98539	0.95073	0.91561	0.88014	0.84439	0.80844	0.77235
-0.04	1.23740	1.19969	1.16122	1.12215	1.08261	1.04271	1.00253	0.96216	0.92167	0.88113	0.84057
-0.02	1.37173	1.32654	1.28102	1.23529	1.18942	1.14349	1.09756	1.05168	1.00589	0.96023	0.91474
0.00	1.52089	1.46671	1.41286	1.35938	1.30624	1.25347	1.20105	1.14900	1.09733	1.04603	0.99512
0.02	1.66801	1.60481	1.54263	1.48138	1.42096	1.36132	1.30241	1.24418	1.18660	1.12964	1.07328
0.04	1.79620	1.72549	1.65623	1.58827	1.52149	1.45578	1.39105	1.32725	1.26431	1.20217	1.14079
0.06	1.90632	1.82943	1.75423	1.68055	1.60825	1.53722	1.46735	1.39857	1.33078	1.26393	1.19797
0.08	1.99951	1.91757	1.83742	1.75889	1.68185	1.60618	1.53178	1.45855	1.38642	1.31531	1.24516
0.10	2.07705	1.99098	1.90670	1.82407	1.74295	1.66325	1.58486	1.50770	1.43168	1.35673	1.28279
0.12	2.14025	2.05078	1.96304	1.87692	1.79231	1.70910	1.62721	1.54656	1.46707	1.38866	1.31128
0.14	2.19034	2.09804	2.00739	1.91830	1.83067	1.74441	1.65945	1.57571	1.49311	1.41160	1.33110
0.16	2.22848	2.13380	2.04067	1.94903	1.85878	1.76986	1.68219	1.59570	1.51034	1.42603	1.34273
0.18	2.25569	2.15899	2.06375	1.96990	1.87737	1.78611	1.69605	1.60712	1.51928	1.43247	1.34662
0.20	2.27292	2.17448	2.07741	1.98164	1.88712	1.79379	1.70161	1.61052	1.52046	1.43139	1.34325
0.22	2.28099	2.18105	2.08238	1.98493	1.88865	1.79350	1.69944	1.60640	1.51436	1.42325	1.33305
0.24	2.28065	2.17939	2.07932	1.98039	1.88256	1.78580	1.69005	1.59528	1.50145	1.40851	1.31643
0.26	2.27255	2.17015	2.06884	1.96860	1.86939	1.77118	1.67393	1.57761	1.48217	1.38758	1.29380
0.28	2.25731	2.15388	2.05148	1.95007	1.84964	1.75013	1.65154	1.55381	1.45692	1.36084	1.26553
0.30	2.23543	2.13110	2.02772	1.92528	1.82374	1.72309	1.62328	1.52429	1.42610	1.32866	1.23196
0.32	2.20742	2.10228	1.99803	1.89466	1.79213	1.69043	1.58954	1.48941	1.39004	1.29138	1.19342
0.34	2.17369	2.06783	1.96280	1.85859	1.75518	1.65254	1.55066	1.44951	1.34907	1.24931	1.15020
0.36	2.13464	2.02813	1.92240	1.81744	1.71322	1.60974	1.50697	1.40490	1.30348	1.20272	1.10258
0.38	2.09061	1.98351	1.87715	1.77152	1.66658	1.56234	1.45877	1.35585	1.25356	1.15189	1.05081
0.40	2.04193	1.93430	1.82737	1.72113	1.61554	1.51061	1.40631	1.30263	1.19955	1.09705	0.99512
0.42	1.98887	1.88077	1.77333	1.66653	1.56036	1.45480	1.34985	1.24548	1.14168	1.03843	0.93572
0.44	1.93170	1.82318	1.71527	1.60797	1.50127	1.39515	1.28960	1.18460	1.08015	0.97622	0.87281
0.46	1.87065	1.76174	1.65342	1.54567	1.43848	1.33185	1.22576	1.12020	1.01516	0.91062	0.80656
0.48	1.80594	1.69668	1.58798	1.47982	1.37220	1.26511	1.15853	1.05246	0.94688	0.84178	0.73715
0.50	1.73775	1.62818	1.51913	1.41061	1.30260	1.19509	1.08807	0.98154	0.87547	0.76987	0.66471
0.52	1.66626	1.55640	1.44705	1.33820	1.22983	1.12195	1.01454	0.90758	0.80108	0.69502	0.58939
0.54	1.59162	1.48151	1.37189	1.26274	1.15405	1.04583	0.93806	0.83073	0.72384	0.61736	0.51131
0.56	1.51398	1.40364	1.29377	1.18435	1.07539	0.96686	0.85877	0.75111	0.64386	0.53701	0.43057
0.58	1.43346	1.32292	1.21283	1.10317	0.99395	0.88516	0.77678	0.66881	0.56125	0.45408	0.34729
0.60	1.35017	1.23945	1.12916	1.01930	0.90986	0.80082	0.69219	0.58396	0.47611	0.36864	0.26155
0.62	1.26421	1.15333	1.04288	0.93283	0.82319	0.71395	0.60509	0.49662	0.38853	0.28080	0.26059
0.64	1.17566	1.06466	0.95406	0.84385	0.73404	0.62461	0.51556	0.40689	0.29858	0.27781	0.25845
0.66	1.08462	0.97350	0.86277	0.75243	0.64248	0.53289	0.42368	0.31483	0.29355	0.27373	0.25525
0.68	0.99113	0.87992	0.76909	0.65864	0.54856	0.43885	0.32950	0.30775	0.28753	0.26869	0.25109
0.70	0.89526	0.78397	0.67306	0.56253	0.45235	0.34254	0.32037	0.29979	0.28065	0.26278	0.24608
0.72	0.79704	0.68570	0.57474	0.46414	0.35390	0.33134	0.31046	0.29106	0.27299	0.25611	0.24031
0.74	0.69650	0.58514	0.47414	0.36351	0.34061	0.31948	0.29989	0.28166	0.26467	0.24878	0.23388
0.76	0.59368	0.48231	0.37131	0.34811	0.32677	0.30705	0.28875	0.27170	0.25578	0.24087	0.22688
0.78	0.48857	0.37722	0.35376	0.33228	0.31249	0.29418	0.27715	0.26127	0.24642	0.23249	0.21941
0.80	0.38117	0.35749	0.33592	0.31614	0.29788	0.28096	0.26520	0.25048	0.23669	0.22373	0.21154
0.82	0.35918	0.33760	0.31790	0.29979	0.28306	0.26751	0.25300	0.23942	0.22668	0.21468	0.20337
0.84	0.33720	0.31768	0.29983	0.28338	0.26813	0.25393	0.24065	0.22820	0.21648	0.20542	0.19497
0.86	0.31537	0.29789	0.28184	0.26700	0.25322	0.24034	0.22826	0.21690	0.20618	0.19604	0.18644
0.88	0.29386	0.27835	0.26406	0.25080	0.23843	0.22684	0.21592	0.20562	0.19587	0.18663	0.17784
0.90	0.27283	0.25924	0.24665	0.23491	0.22390	0.21353	0.20374	0.19446	0.18564	0.17725	0.16925
0.92	0.25246	0.24070	0.22973	0.21943	0.20972	0.20053	0.19180	0.18349	0.17557	0.16800	0.16075
0.94	0.23294	0.22290	0.21345	0.20451	0.19602	0.18793	0.18020	0.17281	0.16573	0.15893	0.15240
0.96	0.21444	0.20598	0.19793	0.19024	0.18288	0.17582	0.16902	0.16249	0.15619	0.15011	0.14425
0.98	0.19712	0.19008	0.18329	0.17674	0.17040	0.16427	0.15833	0.15258	0.14700	0.14160	0.13636
1.00	0.18110	0.17529	0.16961	0.16406	0.15864	0.15335	0.14818	0.14314	0.13822	0.13343	0.12876

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(c) Continued. Half cone angle, 30.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.40	0.42	0.44	0.46	0.48	0.50	0.52	0.54	0.56	0.58	0.60
-0.20	0.43287	0.41687	0.40064	0.38424	0.36770	0.35108	0.33443	0.31778	0.30117	0.28466	0.26829
-0.18	0.46906	0.45109	0.43288	0.41451	0.39600	0.37743	0.35883	0.34025	0.32173	0.30334	0.28510
-0.16	0.50877	0.48857	0.46815	0.44755	0.42685	0.40608	0.38531	0.36457	0.34393	0.32342	0.30311
-0.14	0.55234	0.52963	0.50671	0.48364	0.46047	0.43726	0.41406	0.39093	0.36791	0.34506	0.32243
-0.12	0.60012	0.57459	0.54888	0.52303	0.49711	0.47118	0.44529	0.41950	0.39385	0.36840	0.34320
-0.10	0.65247	0.62378	0.59494	0.56601	0.53704	0.50809	0.47923	0.45049	0.42193	0.39360	0.36556
-0.08	0.70977	0.67754	0.64522	0.61286	0.58052	0.54825	0.51610	0.48412	0.45236	0.42088	0.38971
-0.06	0.77235	0.73619	0.70002	0.66388	0.62782	0.59190	0.55616	0.52064	0.48538	0.45044	0.41585
-0.04	0.84057	0.80006	0.75964	0.71935	0.67923	0.63933	0.59967	0.56029	0.52123	0.48253	0.44422
-0.02	0.91474	0.86944	0.82437	0.77955	0.73501	0.69078	0.64688	0.60334	0.56018	0.51742	0.47511
0.00	0.99512	0.94459	0.89446	0.84474	0.79542	0.74653	0.69808	0.65006	0.60250	0.55541	0.50881
0.02	1.07328	1.01749	0.96228	0.90761	0.85349	0.79990	0.74685	0.69431	0.64231	0.59083	0.53987
0.04	1.14079	1.08014	1.02019	0.96090	0.90226	0.84423	0.78681	0.72997	0.67371	0.61801	0.56287
0.06	1.19797	1.13284	1.06849	1.00490	0.94202	0.87982	0.81828	0.75737	0.69706	0.63734	0.57818
0.08	1.24516	1.17592	1.10753	1.03994	0.97312	0.90702	0.84161	0.77685	0.71272	0.64918	0.58621
0.10	1.28279	1.20978	1.13767	1.06640	0.99592	0.92618	0.85715	0.78879	0.72106	0.65393	0.58735
0.12	1.31128	1.23485	1.15933	1.08467	1.01080	0.93770	0.86530	0.79358	0.72248	0.65197	0.58201
0.14	1.33110	1.25156	1.17293	1.09515	1.01817	0.94195	0.86643	0.79158	0.71734	0.64369	0.57057
0.16	1.34273	1.26037	1.17889	1.09826	1.01842	0.93932	0.86092	0.78317	0.70603	0.62945	0.55339
0.18	1.34662	1.26170	1.17764	1.09440	1.01194	0.93020	0.84914	0.76871	0.68888	0.60959	0.53081
0.20	1.34325	1.25600	1.16959	1.08397	0.99911	0.91494	0.83144	0.74855	0.66624	0.58446	0.50317
0.22	1.33305	1.24369	1.15514	1.06735	0.98029	0.89391	0.80816	0.72301	0.63842	0.55434	0.47074
0.24	1.31643	1.22516	1.13467	1.04491	0.95584	0.86743	0.77963	0.69241	0.60572	0.51953	0.43380
0.26	1.29380	1.20080	1.10854	1.01698	0.92608	0.83581	0.74614	0.65702	0.56841	0.48029	0.39261
0.28	1.26553	1.17096	1.07709	0.98389	0.89133	0.79937	0.70797	0.61711	0.52676	0.43686	0.34740
0.30	1.23196	1.13596	1.04063	0.94595	0.85186	0.75836	0.66540	0.57295	0.48098	0.38947	0.29837
0.32	1.19342	1.09613	0.99947	0.90342	0.80796	0.71304	0.61865	0.52475	0.43132	0.33832	0.24573
0.34	1.15020	1.05173	0.95387	0.85659	0.75986	0.66366	0.56796	0.47274	0.37796	0.28361	0.18965
0.36	1.10258	1.00304	0.90408	0.80568	0.70780	0.61043	0.51354	0.41711	0.32111	0.22551	0.13030
0.38	1.05081	0.95030	0.85034	0.75091	0.65199	0.55355	0.45557	0.35804	0.26092	0.16419	0.06784
0.40	0.99512	0.89373	0.79286	0.69250	0.59262	0.49321	0.39425	0.29570	0.19756	0.09980	0.00240
0.42	0.93572	0.83353	0.73183	0.63063	0.52988	0.42959	0.32972	0.23026	0.13118	0.03248	0.02109
0.44	0.87281	0.76989	0.66745	0.56547	0.46394	0.36283	0.26214	0.16184	0.06192	0.04933	0.03780
0.46	0.80656	0.70298	0.59986	0.49718	0.39493	0.29310	0.19165	0.09059	0.07689	0.06427	0.05267
0.48	0.73715	0.63297	0.52923	0.42592	0.32301	0.22051	0.11839	0.10364	0.09001	0.07742	0.06580
0.50	0.66471	0.55999	0.45569	0.35180	0.24831	0.14519	0.12948	0.11491	0.10140	0.08890	0.07733
0.52	0.58939	0.48418	0.37937	0.27496	0.17093	0.15430	0.13886	0.12452	0.11120	0.09884	0.08736
0.54	0.51131	0.40565	0.30038	0.19550	0.17804	0.16180	0.14668	0.13261	0.11951	0.10733	0.09600
0.56	0.43057	0.32452	0.21884	0.20061	0.18362	0.16779	0.15304	0.13928	0.12645	0.11449	0.10333
0.58	0.34729	0.24087	0.22193	0.20427	0.18779	0.17241	0.15805	0.14464	0.13211	0.12040	0.10947
0.60	0.26165	0.24194	0.22366	0.20659	0.19065	0.17575	0.16182	0.14878	0.13659	0.12517	0.11449
0.62	0.26059	0.24174	0.22415	0.20770	0.19233	0.17793	0.16445	0.15182	0.13998	0.12889	0.11849
0.64	0.25845	0.24038	0.22350	0.20770	0.19291	0.17904	0.16603	0.15383	0.14238	0.13163	0.12153
0.66	0.25525	0.23798	0.22182	0.20669	0.19249	0.17917	0.16666	0.15491	0.14386	0.13347	0.12371
0.68	0.25109	0.23463	0.21922	0.20476	0.19118	0.17842	0.16642	0.15514	0.14451	0.13451	0.12508
0.70	0.24608	0.23044	0.21577	0.20200	0.18905	0.17687	0.16540	0.15459	0.14440	0.13480	0.12574
0.72	0.24031	0.22550	0.21159	0.19851	0.18620	0.17461	0.16367	0.15335	0.14362	0.13442	0.12573
0.74	0.23388	0.21990	0.20675	0.19438	0.18271	0.17171	0.16132	0.15150	0.14222	0.13344	0.12513
0.76	0.22688	0.21373	0.20135	0.18968	0.17866	0.16825	0.15840	0.14909	0.14027	0.13192	0.12401
0.78	0.21941	0.20708	0.19546	0.18449	0.17412	0.16430	0.15501	0.14620	0.13785	0.12993	0.12241
0.80	0.21154	0.20004	0.18917	0.17890	0.16917	0.15995	0.15120	0.14290	0.13501	0.12752	0.12040
0.82	0.20337	0.19267	0.18256	0.17297	0.16388	0.15525	0.14704	0.13924	0.13182	0.12476	0.11803
0.84	0.19497	0.18508	0.17569	0.16679	0.15832	0.15027	0.14260	0.13529	0.12833	0.12169	0.11536
0.86	0.18644	0.17732	0.16866	0.16041	0.15256	0.14507	0.13793	0.13111	0.12460	0.11838	0.11244
0.88	0.17784	0.16948	0.16151	0.15391	0.14665	0.13972	0.13309	0.12675	0.12068	0.11487	0.10930
0.90	0.16925	0.16162	0.15432	0.14735	0.14066	0.13426	0.12813	0.12225	0.11661	0.11120	0.10601
0.92	0.16075	0.15381	0.14716	0.14078	0.13465	0.12876	0.12311	0.11767	0.11245	0.10742	0.10259
0.94	0.15240	0.14612	0.14008	0.13426	0.12866	0.12327	0.11807	0.11306	0.10823	0.10358	0.09909
0.96	0.14425	0.13859	0.13312	0.12784	0.12274	0.11781	0.11305	0.10844	0.10400	0.09970	0.09555
0.98	0.13636	0.13127	0.12635	0.12157	0.11693	0.11244	0.10809	0.10387	0.09978	0.09582	0.09198
1.00	0.12876	0.12421	0.11978	0.11547	0.11127	0.10718	0.10321	0.09936	0.09561	0.09196	0.08843

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(c) Continued. Half cone angle, 30.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.60	0.62	0.64	0.66	0.68	0.70	0.72	0.74	0.76	0.78	0.80
-0.20	0.26829	0.25209	0.23610	0.22038	0.20494	0.18985	0.17512	0.16081	0.14694	0.13355	0.12068
-0.18	0.28510	0.26706	0.24928	0.23179	0.21464	0.19787	0.18152	0.16564	0.15027	0.13545	0.12122
-0.16	0.30311	0.28303	0.26323	0.24377	0.22469	0.20604	0.18787	0.17022	0.15315	0.13671	0.12093
-0.14	0.32243	0.30007	0.27803	0.25636	0.23512	0.21435	0.19412	0.17448	0.15548	0.13719	0.11965
-0.12	0.34320	0.31830	0.29376	0.26963	0.24597	0.22283	0.20028	0.17837	0.15718	0.13677	0.11721
-0.10	0.36556	0.33786	0.31054	0.28368	0.25731	0.23152	0.20635	0.18188	0.15819	0.13534	0.11343
-0.08	0.38971	0.35891	0.32853	0.29863	0.26927	0.24050	0.21240	0.18504	0.15849	0.13284	0.10820
-0.06	0.41585	0.38166	0.34792	0.31468	0.28201	0.24994	0.21856	0.18794	0.15815	0.12929	0.10146
-0.04	0.44422	0.40635	0.36895	0.33207	0.29576	0.26007	0.22506	0.19080	0.15736	0.12483	0.09333
-0.02	0.47511	0.43326	0.39190	0.35108	0.31083	0.27119	0.23221	0.19394	0.15645	0.11981	0.08411
0.00	0.50881	0.46270	0.41712	0.37208	0.32760	0.28371	0.24045	0.19784	0.15593	0.11477	0.07442
0.02	0.53987	0.48944	0.43955	0.39020	0.34140	0.29316	0.24549	0.19840	0.15191	0.10603	0.06079
0.04	0.56287	0.50826	0.45419	0.40065	0.34762	0.29511	0.24310	0.19159	0.14057	0.09001	0.03991
0.06	0.57818	0.51956	0.46147	0.40388	0.34677	0.29013	0.23392	0.17812	0.12271	0.06763	0.01284
0.08	0.58621	0.52377	0.46183	0.40038	0.33937	0.27877	0.21855	0.15866	0.09906	0.03969	-0.01951
0.10	0.58735	0.52129	0.45573	0.39061	0.32590	0.26156	0.19754	0.13380	0.07028	0.00691	-0.05637
0.12	0.58201	0.51255	0.44357	0.37500	0.30682	0.23897	0.17141	0.10407	0.03691	-0.03014	-0.09716
0.14	0.57057	0.49793	0.42575	0.35397	0.28255	0.21143	0.14057	0.06991	-0.00061	-0.07104	-0.14147
0.16	0.55339	0.47780	0.40265	0.32788	0.25345	0.17930	0.10540	0.03167	-0.04192	-0.11545	-0.18897
0.18	0.53081	0.45249	0.37459	0.29705	0.21984	0.14290	0.06619	-0.01034	-0.08675	-0.16310	-0.23944
0.20	0.50317	0.42232	0.34188	0.26179	0.18202	0.10251	0.02323	-0.05589	-0.13488	-0.21379	-0.29269
0.22	0.47074	0.38757	0.30479	0.22235	0.14023	0.05836	-0.02328	-0.10476	-0.18610	-0.26736	-0.26171
0.24	0.43380	0.34850	0.26357	0.17898	0.09469	0.01066	-0.07315	-0.15678	-0.24027	-0.23679	-0.23272
0.26	0.39261	0.30534	0.21845	0.13188	0.04561	-0.04040	-0.12619	-0.21180	-0.21037	-0.20828	-0.20561
0.28	0.34740	0.25833	0.16963	0.08125	-0.00683	-0.09466	-0.18226	-0.18278	-0.18258	-0.18173	-0.18028
0.30	0.29837	0.20766	0.11730	0.02726	-0.06248	-0.15197	-0.15433	-0.15591	-0.15679	-0.15702	-0.15666
0.32	0.24573	0.15351	0.06164	-0.02992	-0.12119	-0.12529	-0.12856	-0.13107	-0.13289	-0.13407	-0.13467
0.34	0.18965	0.09605	0.00279	-0.09015	-0.09589	-0.10076	-0.10482	-0.10814	-0.11078	-0.11279	-0.11422
0.36	0.13030	0.03544	-0.05908	-0.06637	-0.07274	-0.07827	-0.08301	-0.08702	-0.09037	-0.09310	-0.09526
0.38	0.06784	-0.02817	-0.03691	-0.04470	-0.05161	-0.05769	-0.06300	-0.06762	-0.07157	-0.07492	-0.07772
0.40	0.00240	-0.00771	-0.01682	-0.02502	-0.03236	-0.03891	-0.04471	-0.04983	-0.05430	-0.05818	-0.06152
0.42	0.02109	0.01073	0.00131	-0.00721	-0.01490	-0.02183	-0.02803	-0.03356	-0.03848	-0.04281	-0.04660
0.44	0.03780	0.02726	0.01763	0.00886	0.00088	-0.00634	-0.01287	-0.01875	-0.02402	-0.02873	-0.03292
0.46	0.05267	0.04201	0.03223	0.02328	0.01510	0.00765	0.00086	-0.00529	-0.01086	-0.01588	-0.02039
0.48	0.06580	0.05509	0.04524	0.03617	0.02785	0.02022	0.01324	0.00687	0.00107	-0.00420	-0.00897
0.50	0.07733	0.06663	0.05674	0.04762	0.03921	0.03147	0.02436	0.01783	0.01185	0.00638	0.00140
0.52	0.08736	0.07672	0.06686	0.05773	0.04928	0.04148	0.03428	0.02764	0.02153	0.01592	0.01078
0.54	0.09600	0.08546	0.07567	0.06658	0.05814	0.05032	0.04308	0.03638	0.03019	0.02448	0.01922
0.56	0.10333	0.09294	0.08327	0.07425	0.06587	0.05808	0.05084	0.04412	0.03789	0.03212	0.02678
0.58	0.10947	0.09926	0.08973	0.08084	0.07255	0.06482	0.05761	0.05091	0.04468	0.03888	0.03350
0.60	0.11449	0.10450	0.09515	0.08641	0.07824	0.07061	0.06348	0.05682	0.05062	0.04483	0.03944
0.62	0.11849	0.10874	0.09960	0.09104	0.08302	0.07551	0.06849	0.06191	0.05576	0.05002	0.04465
0.64	0.12153	0.11205	0.10315	0.09480	0.08696	0.07960	0.07270	0.06623	0.06017	0.05449	0.04917
0.66	0.12371	0.11452	0.10588	0.09776	0.09012	0.08293	0.07618	0.06984	0.06389	0.05829	0.05305
0.68	0.12508	0.11621	0.10785	0.09997	0.09255	0.08557	0.07899	0.07280	0.06697	0.06148	0.05633
0.70	0.12574	0.11719	0.10912	0.10151	0.09433	0.08756	0.08117	0.07514	0.06946	0.06410	0.05905
0.72	0.12573	0.11752	0.10977	0.10243	0.09551	0.08896	0.08277	0.07693	0.07141	0.06619	0.06127
0.74	0.12513	0.11728	0.10984	0.10280	0.09613	0.08982	0.08385	0.07820	0.07286	0.06780	0.06301
0.76	0.12401	0.11651	0.10940	0.10266	0.09626	0.09020	0.08446	0.07901	0.07385	0.06896	0.06432
0.78	0.12241	0.11527	0.10849	0.10206	0.09595	0.09015	0.08464	0.07940	0.07443	0.06972	0.06524
0.80	0.12040	0.11363	0.10719	0.10106	0.09524	0.08970	0.08443	0.07941	0.07464	0.07011	0.06580
0.82	0.11803	0.11163	0.10553	0.09971	0.09418	0.08890	0.08387	0.07908	0.07452	0.07017	0.06603
0.84	0.11536	0.10932	0.10356	0.09806	0.09281	0.08779	0.08301	0.07845	0.07409	0.06994	0.06597
0.86	0.11244	0.10676	0.10133	0.09613	0.09117	0.08643	0.08189	0.07755	0.07341	0.06944	0.06566
0.88	0.10930	0.10398	0.09888	0.09399	0.08931	0.08483	0.08053	0.07642	0.07249	0.06872	0.06511
0.90	0.10601	0.10103	0.09625	0.09166	0.08726	0.08304	0.07899	0.07510	0.07137	0.06779	0.06436
0.92	0.10259	0.09795	0.09348	0.08919	0.08506	0.08109	0.07727	0.07360	0.07008	0.06670	0.06344
0.94	0.09909	0.09477	0.09061	0.08660	0.08273	0.07901	0.07542	0.07197	0.06865	0.06545	0.06238
0.96	0.09555	0.09154	0.08766	0.08392	0.08032	0.07683	0.07347	0.07023	0.06710	0.06409	0.06118
0.98	0.09198	0.08827	0.08467	0.08120	0.07783	0.07458	0.07143	0.06839	0.06546	0.06262	0.05988
1.00	0.08843	0.08500	0.08167	0.07844	0.07531	0.07228	0.06934	0.06649	0.06374	0.06108	0.05850

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(c) Concluded. Half cone angle, 30.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.80	0.82	0.84	0.86	0.88	0.90	0.92	0.94	0.96	0.98	1.00
-0.20	0.12068	0.10834	0.09658	0.08541	0.07485	0.06492	0.05563	0.04698	0.03897	0.03160	0.02485
-0.18	0.12122	0.10761	0.09466	0.08240	0.07086	0.06004	0.04998	0.04067	0.03211	0.02430	0.01722
-0.16	0.12093	0.10588	0.09158	0.07808	0.06541	0.05361	0.04269	0.03265	0.02352	0.01526	0.00787
-0.14	0.11965	0.10293	0.08709	0.07216	0.05822	0.04528	0.03339	0.02256	0.01280	0.00410	-0.00356
-0.12	0.11721	0.09856	0.08092	0.06433	0.04889	0.03463	0.02162	0.00990	-0.00053	-0.00967	-0.01755
-0.10	0.11343	0.09254	0.07277	0.05422	0.03698	0.02114	0.00680	-0.00597	-0.01715	-0.02672	-0.03472
-0.08	0.10820	0.08466	0.06236	0.04141	0.02196	0.00416	-0.01184	-0.02593	-0.03798	-0.04798	-0.05594
-0.06	0.10146	0.07480	0.04943	0.02553	0.00328	-0.01708	-0.03532	-0.05117	-0.06440	-0.07485	-0.08253
-0.04	0.09333	0.06296	0.03390	0.00631	-0.01955	-0.04340	-0.06484	-0.08341	-0.09855	-0.10973	-0.11668
-0.02	0.08411	0.04946	0.01599	-0.01612	-0.04665	-0.07528	-0.10156	-0.12483	-0.14400	-0.15738	-0.16295
0.00	0.07442	0.03494	-0.00358	-0.04103	-0.07728	-0.11213	-0.14532	-0.17646	-0.20485	-0.22906	-0.24223
0.02	0.06079	0.01620	-0.02773	-0.07097	-0.11352	-0.15540	-0.19667	-0.23753	-0.27844	-0.32069	-0.28032
0.04	0.03991	-0.00977	-0.05907	-0.10805	-0.15682	-0.20552	-0.25439	-0.30381	-0.35440	-0.32018	-0.28859
0.06	0.01284	-0.04172	-0.09613	-0.15050	-0.20496	-0.25971	-0.31499	-0.37115	-0.34175	-0.31367	-0.28739
0.08	-0.01951	-0.07862	-0.13773	-0.19696	-0.25646	-0.31640	-0.37699	-0.35163	-0.32699	-0.30334	-0.28097
0.10	-0.05637	-0.11964	-0.18301	-0.24659	-0.31050	-0.37488	-0.35307	-0.33161	-0.31070	-0.29054	-0.27131
0.12	-0.09716	-0.16423	-0.23142	-0.29885	-0.36662	-0.34801	-0.32950	-0.31127	-0.29344	-0.27616	-0.25955
0.14	-0.14147	-0.21196	-0.28259	-0.35345	-0.33778	-0.32204	-0.30635	-0.29084	-0.27561	-0.26078	-0.24643
0.16	-0.18897	-0.26256	-0.33628	-0.32334	-0.31020	-0.29696	-0.28370	-0.27054	-0.25755	-0.24483	-0.23245
0.18	-0.23944	-0.31583	-0.30546	-0.29478	-0.28385	-0.27278	-0.26164	-0.25052	-0.23949	-0.22863	-0.21799
0.20	-0.29269	-0.28475	-0.27638	-0.26768	-0.25870	-0.24954	-0.24026	-0.23093	-0.22162	-0.21240	-0.20331
0.22	-0.26171	-0.25555	-0.24895	-0.24199	-0.23473	-0.22725	-0.21961	-0.21187	-0.20409	-0.19632	-0.18862
0.24	-0.23272	-0.22813	-0.22310	-0.21768	-0.21194	-0.20595	-0.19976	-0.19343	-0.18701	-0.18054	-0.17408
0.26	-0.20561	-0.20241	-0.19876	-0.19471	-0.19032	-0.18565	-0.18075	-0.17567	-0.17046	-0.16515	-0.15980
0.28	-0.18028	-0.17832	-0.17589	-0.17305	-0.16985	-0.16635	-0.16260	-0.15863	-0.15450	-0.15024	-0.14589
0.30	-0.15666	-0.15578	-0.15443	-0.15266	-0.15052	-0.14806	-0.14532	-0.14235	-0.13919	-0.13586	-0.13241
0.32	-0.13467	-0.13474	-0.13434	-0.13352	-0.13231	-0.13077	-0.12894	-0.12685	-0.12455	-0.12206	-0.11942
0.34	-0.11422	-0.11514	-0.11557	-0.11558	-0.11520	-0.11448	-0.11345	-0.11215	-0.11061	-0.10887	-0.10696
0.36	-0.09526	-0.09691	-0.09808	-0.09881	-0.09916	-0.09916	-0.09884	-0.09824	-0.09739	-0.09631	-0.09505
0.38	-0.07772	-0.07999	-0.08180	-0.08318	-0.08417	-0.08480	-0.08511	-0.08512	-0.08488	-0.08440	-0.08372
0.40	-0.06152	-0.06435	-0.06671	-0.06865	-0.07019	-0.07137	-0.07223	-0.07279	-0.07309	-0.07314	-0.07298
0.42	-0.04660	-0.04991	-0.05275	-0.05516	-0.05719	-0.05886	-0.06020	-0.06124	-0.06201	-0.06253	-0.06283
0.44	-0.03292	-0.03662	-0.03987	-0.04270	-0.04514	-0.04723	-0.04899	-0.05045	-0.05164	-0.05257	-0.05327
0.46	-0.02039	-0.02443	-0.02802	-0.03120	-0.03400	-0.03645	-0.03858	-0.04040	-0.04195	-0.04325	-0.04431
0.48	-0.00897	-0.01328	-0.01716	-0.02064	-0.02375	-0.02650	-0.02894	-0.03108	-0.03294	-0.03455	-0.03592
0.50	0.00140	-0.00313	-0.00725	-0.01097	-0.01433	-0.01734	-0.02004	-0.02245	-0.02458	-0.02646	-0.02810
0.52	0.01078	0.00607	0.00177	-0.00215	-0.00571	-0.00894	-0.01186	-0.01449	-0.01685	-0.01896	-0.02084
0.54	0.01922	0.01438	0.00994	0.00586	0.00213	-0.00127	-0.00437	-0.00719	-0.00974	-0.01205	-0.01412
0.56	0.02678	0.02185	0.01730	0.01310	0.00925	0.00571	0.00246	-0.00051	-0.00322	-0.00568	-0.00793
0.58	0.03350	0.02852	0.02389	0.01962	0.01567	0.01203	0.00867	0.00558	0.00274	0.00014	-0.00223
0.60	0.03944	0.03443	0.02977	0.02545	0.02144	0.01772	0.01428	0.01110	0.00816	0.00546	0.00297
0.62	0.04465	0.03964	0.03498	0.03063	0.02658	0.02282	0.01932	0.01608	0.01307	0.01029	0.00771
0.64	0.04917	0.04419	0.03954	0.03520	0.03114	0.02735	0.02383	0.02054	0.01748	0.01464	0.01201
0.66	0.05305	0.04813	0.04351	0.03919	0.03515	0.03136	0.02782	0.02452	0.02144	0.01856	0.01588
0.68	0.05633	0.05148	0.04693	0.04265	0.03864	0.03488	0.03135	0.02804	0.02495	0.02206	0.01935
0.70	0.05905	0.05430	0.04982	0.04561	0.04165	0.03792	0.03442	0.03114	0.02805	0.02516	0.02245
0.72	0.06127	0.05662	0.05224	0.04811	0.04421	0.04054	0.03708	0.03383	0.03076	0.02788	0.02518
0.74	0.06301	0.05849	0.05421	0.05017	0.04635	0.04275	0.03935	0.03614	0.03311	0.03026	0.02758
0.76	0.06432	0.05993	0.05577	0.05184	0.04811	0.04459	0.04125	0.03810	0.03512	0.03231	0.02966
0.78	0.06524	0.06099	0.05696	0.05314	0.04951	0.04608	0.04282	0.03974	0.03682	0.03406	0.03144
0.80	0.06580	0.06170	0.05780	0.05410	0.05059	0.04725	0.04408	0.04108	0.03823	0.03552	0.03296
0.82	0.06603	0.06209	0.05834	0.05476	0.05137	0.04813	0.04506	0.04214	0.03936	0.03672	0.03422
0.84	0.06597	0.06219	0.05859	0.05515	0.05187	0.04875	0.04578	0.04294	0.04025	0.03768	0.03524
0.86	0.06566	0.06204	0.05858	0.05528	0.05213	0.04913	0.04626	0.04352	0.04091	0.03842	0.03605
0.88	0.06511	0.06166	0.05836	0.05520	0.05217	0.04929	0.04652	0.04389	0.04137	0.03896	0.03666
0.90	0.06436	0.06108	0.05793	0.05491	0.05202	0.04925	0.04660	0.04406	0.04163	0.03931	0.03709
0.92	0.06344	0.06032	0.05733	0.05445	0.05169	0.04904	0.04650	0.04407	0.04173	0.03950	0.03736
0.94	0.06238	0.05942	0.05657	0.05383	0.05120	0.04868	0.04625	0.04392	0.04168	0.03954	0.03748
0.96	0.06118	0.05838	0.05568	0.05309	0.05059	0.04818	0.04587	0.04364	0.04150	0.03944	0.03747
0.98	0.05988	0.05724	0.05469	0.05223	0.04985	0.04757	0.04536	0.04324	0.04120	0.03923	0.03734
1.00	0.05850	0.05601	0.05360	0.05127	0.04902	0.04685	0.04476	0.04274	0.04079	0.03891	0.03710

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(d) Half cone angle, 45.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20
-0.20	1.33386	1.33190	1.32605	1.31643	1.30320	1.28658	1.26681	1.24417	1.21892	1.19134	1.16169
-0.18	1.42672	1.42448	1.41781	1.40686	1.39185	1.37307	1.35084	1.32548	1.29733	1.26672	1.23394
-0.16	1.52859	1.52600	1.51831	1.50572	1.48854	1.46715	1.44197	1.41341	1.38189	1.34779	1.31146
-0.14	1.64086	1.63782	1.62883	1.61417	1.59429	1.56970	1.54097	1.50862	1.47314	1.43501	1.39462
-0.12	1.76535	1.76172	1.75100	1.73366	1.71034	1.68177	1.64870	1.61179	1.57167	1.52886	1.48382
-0.10	1.90448	1.90003	1.88695	1.86599	1.83817	1.80455	1.76610	1.72370	1.67807	1.62982	1.57945
-0.08	2.06166	2.05598	2.03946	2.01344	1.97956	1.93938	1.89421	1.84513	1.79296	1.73838	1.68191
-0.06	2.24204	2.23433	2.21239	2.17887	2.13657	2.08776	2.03411	1.97686	1.91693	1.85498	1.79154
-0.04	2.45434	2.44271	2.41118	2.36587	2.31153	2.25121	2.18683	2.11965	2.05052	1.98004	1.90866
-0.02	2.71693	2.69483	2.64346	2.57854	2.50676	2.43116	2.35330	2.27411	2.19417	2.11388	2.03351
0.00	3.11613	3.01663	2.91813	2.82063	2.72413	2.62863	2.53414	2.44066	2.34818	2.25671	2.16626
0.02	3.51332	3.33642	3.19079	3.06072	2.93949	2.82411	2.71298	2.60519	2.50017	2.39752	2.29698
0.04	3.76991	3.58254	3.41707	3.26738	3.12872	2.99804	2.87342	2.75362	2.63778	2.52531	2.41577
0.06	3.97222	3.78092	3.60587	3.44437	3.29366	3.15147	3.01612	2.88636	2.76131	2.64029	2.52279
0.08	4.13861	3.94529	3.76480	3.59580	3.43666	3.28583	3.14197	3.00404	2.87120	2.74279	2.61828
0.10	4.27781	4.08326	3.89933	3.72526	3.56005	3.40264	3.25205	3.10741	2.96800	2.83322	2.70257
0.12	4.39499	4.19961	4.01331	3.83562	3.66589	3.50341	3.34742	3.19725	3.05231	2.91205	2.77603
0.14	4.49355	4.29758	4.10955	3.92916	3.75598	3.58948	3.42913	3.27438	3.12474	2.97976	2.83904
0.16	4.57593	4.37951	4.19016	4.00770	3.83179	3.66208	3.49814	3.33956	3.18593	3.03686	2.89203
0.18	4.64395	4.44718	4.25680	4.07268	3.89459	3.72224	3.55532	3.39350	3.23645	3.08384	2.93538
0.20	4.69903	4.50197	4.31077	4.12530	3.94541	3.77087	3.60145	3.43687	3.27687	3.12117	2.96952
0.22	4.74230	4.54502	4.35312	4.16655	3.98515	3.80878	3.63722	3.47027	3.30770	3.14929	2.99482
0.24	4.77471	4.57723	4.38476	4.19725	4.01458	3.83664	3.66325	3.49424	3.32943	3.16863	3.01165
0.26	4.79703	4.59938	4.40643	4.21811	4.03436	3.85506	3.68008	3.50928	3.34250	3.17958	3.02036
0.28	4.80991	4.61212	4.41875	4.22975	4.04505	3.86457	3.68821	3.51583	3.34731	3.18251	3.02128
0.30	4.81393	4.61602	4.42228	4.23268	4.04716	3.86565	3.68807	3.51429	3.34423	3.17774	3.01472
0.32	4.80957	4.61156	4.41750	4.22737	4.04113	3.85872	3.68005	3.50504	3.33359	3.16560	3.00095
0.34	4.79727	4.59916	4.40482	4.21423	4.02736	3.84413	3.66450	3.48839	3.31570	3.14635	2.98025
0.36	4.77740	4.57921	4.38462	4.19362	4.00618	3.82224	3.64175	3.46464	3.29085	3.12028	2.95286
0.38	4.75030	4.55203	4.35723	4.16586	3.97791	3.79333	3.61207	3.43408	3.25929	3.08762	2.91900
0.40	4.71628	4.51793	4.32292	4.13123	3.94283	3.75768	3.57573	3.39694	3.22125	3.04858	2.87888
0.42	4.67555	4.47716	4.28198	4.09000	3.90119	3.71552	3.53296	3.35345	3.17695	3.00339	2.83270
0.44	4.62840	4.42996	4.23462	4.04238	3.85321	3.66709	3.48397	3.30382	3.12658	2.95221	2.78064
0.46	4.57503	4.37654	4.18106	3.98859	3.79909	3.61256	3.42895	3.24822	3.07033	2.89523	2.72286
0.48	4.51562	4.31708	4.12148	3.92880	3.73902	3.55212	3.36807	3.18682	3.00835	2.83259	2.65950
0.50	4.45033	4.25176	4.05605	3.86319	3.67315	3.48593	3.30148	3.11978	2.94078	2.76444	2.59071
0.52	4.37932	4.18072	3.98491	3.79189	3.60163	3.41412	3.22933	3.04723	2.86777	2.69091	2.51660
0.54	4.30271	4.10408	3.90819	3.71503	3.52458	3.33683	3.15174	2.96928	2.78942	2.61210	2.43730
0.56	4.22061	4.02196	3.82600	3.63272	3.44211	3.25415	3.06880	2.88604	2.70583	2.52813	2.35289
0.58	4.13313	3.93445	3.73844	3.54506	3.35432	3.16618	2.98062	2.79761	2.61711	2.43908	2.26347
0.60	4.04032	3.84164	3.64557	3.45212	3.26127	3.07299	2.88727	2.70405	2.52332	2.34502	2.16912
0.62	3.94226	3.74356	3.54747	3.35397	3.16304	2.97466	2.78881	2.60545	2.42453	2.24603	2.06989
0.64	3.83899	3.64029	3.44417	3.25064	3.05966	2.87122	2.68529	2.50183	2.32080	2.14216	1.96585
0.66	3.73053	3.53182	3.33570	3.14216	2.95117	2.76271	2.57675	2.39325	2.21216	2.03344	1.85704
0.68	3.61688	3.41818	3.22208	3.02855	2.83758	2.64914	2.46320	2.27971	2.09863	1.91991	1.74348
0.70	3.49804	3.29935	3.10327	2.90979	2.71888	2.53052	2.34465	2.16124	1.98024	1.80158	1.62521
0.72	3.37396	3.17528	2.97925	2.78585	2.59505	2.40680	2.22108	2.03782	1.85697	1.67846	1.50224
0.74	3.24457	3.04592	2.84996	2.65667	2.46602	2.27797	2.09246	1.90943	1.72881	1.55054	1.37455
0.76	3.10978	2.91116	2.71530	2.52218	2.33174	2.14394	1.95873	1.77601	1.59573	1.41781	1.24215
0.78	2.96946	2.77088	2.57515	2.38224	2.19209	2.00464	1.81981	1.63752	1.45769	1.28021	1.10501
0.80	2.82341	2.62490	2.42934	2.23671	2.04693	1.85993	1.67561	1.49387	1.31461	1.13772	0.96309
0.82	2.67141	2.47297	2.27765	2.08538	1.89609	1.70967	1.52600	1.34495	1.16641	0.99025	0.91890
0.84	2.51313	2.31480	2.11978	1.92799	1.73933	1.55365	1.37081	1.19064	1.01300	0.94058	0.87509
0.86	2.34816	2.14997	1.95535	1.76420	1.57636	1.39164	1.20985	1.03078	0.95745	0.89165	0.83186
0.88	2.17593	1.97793	1.78387	1.59358	1.40682	1.22335	1.04289	0.96886	0.90309	0.84370	0.78942
0.90	1.99567	1.79794	1.60466	1.41555	1.23027	1.04843	0.97396	0.90869	0.85019	0.79696	0.74797
0.92	1.80622	1.60892	1.41680	1.22940	1.04614	0.97163	0.90753	0.85061	0.79903	0.75165	0.70770
0.94	1.60586	1.40925	1.21900	1.03417	0.96029	0.89839	0.84403	0.79495	0.74988	0.70800	0.66878
0.96	1.39154	1.19630	1.00939	0.93747	0.87959	0.82929	0.78389	0.74204	0.70297	0.66619	0.63138
0.98	1.15686	0.96530	0.89895	0.84871	0.80492	0.76488	0.72748	0.69213	0.65850	0.62638	0.59563
1.00	0.87133	0.83642	0.80239	0.76924	0.73698	0.70558	0.67507	0.64542	0.61663	0.58871	0.56163

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(d) Continued. Half cone angle, 45.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.34	0.36	0.38	0.40
-0.20	1.16169	1.13020	1.09712	1.06266	1.02700	0.99035	0.95286	0.91468	0.87597	0.83684	0.79744
-0.18	1.23394	1.19928	1.16299	1.12531	1.08646	1.04662	1.00598	0.96470	0.92292	0.88079	0.83841
-0.16	1.31146	1.27321	1.23333	1.19209	1.14970	1.10638	1.06231	1.01766	0.97257	0.92719	0.88163
-0.14	1.39462	1.35232	1.30843	1.26322	1.21695	1.16981	1.12200	1.07369	1.02503	0.97615	0.92718
-0.12	1.48382	1.43693	1.38855	1.33895	1.28838	1.23707	1.18519	1.13293	1.08041	1.02778	0.97516
-0.10	1.57945	1.52739	1.47397	1.41949	1.36421	1.30833	1.25203	1.19549	1.13883	1.08218	1.02565
-0.08	1.68191	1.62398	1.56494	1.50507	1.44460	1.38374	1.32265	1.26149	1.20038	1.13943	1.07874
-0.06	1.79154	1.72700	1.66169	1.59586	1.52971	1.46344	1.39717	1.33104	1.26516	1.19961	1.13450
-0.04	1.90866	1.83670	1.76442	1.69203	1.61969	1.54754	1.47569	1.40423	1.33324	1.26281	1.19299
-0.02	2.03351	1.95326	1.87329	1.79372	1.71464	1.63614	1.55828	1.48112	1.40471	1.32908	1.25429
0.00	2.16626	2.07682	1.98840	1.90101	1.81464	1.72931	1.64502	1.56178	1.47960	1.39848	1.31844
0.02	2.29698	2.19835	2.10148	2.00626	1.91260	1.82043	1.72970	1.64038	1.55241	1.46578	1.38047
0.04	2.41577	2.30883	2.20425	2.10183	2.00141	1.90287	1.80612	1.71106	1.61763	1.52577	1.43544
0.06	2.52279	2.40840	2.29683	2.18781	2.08117	1.97671	1.87433	1.77389	1.67531	1.57850	1.48341
0.08	2.61828	2.49725	2.37937	2.26435	2.15198	2.04206	1.93443	1.82895	1.72553	1.62405	1.52443
0.10	2.70267	2.57564	2.45208	2.33162	2.21400	2.09903	1.98653	1.87636	1.76838	1.66249	1.55860
0.12	2.77603	2.64386	2.51521	2.38981	2.26740	2.14778	2.03077	1.91621	1.80398	1.69395	1.58601
0.14	2.83904	2.70223	2.56902	2.43914	2.31236	2.18847	2.06729	1.94866	1.83244	1.71851	1.60676
0.16	2.89203	2.75110	2.61380	2.47987	2.34910	2.22129	2.09625	1.97383	1.85390	1.73631	1.62097
0.18	2.93538	2.79080	2.64983	2.51225	2.37784	2.24642	2.11783	1.99189	1.86848	1.74748	1.62875
0.20	2.96952	2.82168	2.67741	2.53652	2.39880	2.26408	2.13219	2.00300	1.87635	1.75214	1.63023
0.22	2.99482	2.84407	2.69684	2.55294	2.41220	2.27445	2.13953	2.00731	1.87765	1.75043	1.62555
0.24	3.01165	2.85830	2.70840	2.56177	2.41827	2.27773	2.14002	2.00499	1.87252	1.74250	1.61482
0.26	3.02036	2.86467	2.71236	2.56326	2.41724	2.27414	2.13384	1.99621	1.86113	1.72850	1.59819
0.28	3.02128	2.86349	2.70899	2.55764	2.40931	2.26386	2.12118	1.98114	1.84363	1.70855	1.57578
0.30	3.01472	2.85503	2.69854	2.54514	2.39470	2.24709	2.10221	1.95994	1.82017	1.68280	1.54773
0.32	3.00095	2.83955	2.68126	2.52599	2.37361	2.22401	2.07710	1.93276	1.79089	1.65139	1.51418
0.34	2.98025	2.81729	2.65737	2.50038	2.34623	2.19480	2.04601	1.89976	1.75594	1.61446	1.47523
0.36	2.95286	2.78848	2.62707	2.46852	2.31274	2.15964	2.00912	1.86109	1.71545	1.57213	1.43103
0.38	2.91900	2.75334	2.59057	2.43059	2.27332	2.11867	1.96656	1.81689	1.66958	1.52454	1.38170
0.40	2.87888	2.71206	2.54805	2.38677	2.22814	2.07207	1.91848	1.76730	1.61843	1.47181	1.32734
0.42	2.83270	2.66483	2.49969	2.33722	2.17734	2.01996	1.86503	1.71245	1.56214	1.41404	1.26807
0.44	2.78064	2.61181	2.44565	2.28209	2.12107	1.96250	1.80633	1.65246	1.50083	1.35137	1.20400
0.46	2.72286	2.55316	2.38607	2.22153	2.05947	1.89981	1.74250	1.58746	1.43461	1.28389	1.13523
0.48	2.65950	2.48902	2.32110	2.15566	1.99266	1.83201	1.67366	1.51754	1.36358	1.21171	1.06185
0.50	2.59071	2.41953	2.25085	2.08462	1.92076	1.75922	1.59993	1.44282	1.28784	1.13491	0.98397
0.52	2.51660	2.34480	2.17545	2.00850	1.84388	1.68153	1.52139	1.36340	1.20749	1.05360	0.90167
0.54	2.43730	2.26495	2.09501	1.92741	1.76211	1.59904	1.43814	1.27935	1.12261	0.96786	0.81502
0.56	2.35289	2.18007	2.00961	1.84145	1.67555	1.51185	1.35027	1.19078	1.03329	0.87776	0.72411
0.58	2.26347	2.09024	1.91934	1.75071	1.58429	1.42003	1.25787	1.09774	0.93960	0.78338	0.62901
0.60	2.16912	1.99555	1.82428	1.65524	1.48839	1.32365	1.16099	1.00033	0.84161	0.68479	0.52979
0.62	2.06989	1.89606	1.72449	1.55513	1.38792	1.22279	1.05971	0.89859	0.73939	0.58205	0.52776
0.64	1.96585	1.79183	1.62004	1.45043	1.28294	1.11751	0.95408	0.79260	0.63300	0.57655	0.52430
0.66	1.85704	1.68290	1.51097	1.34119	1.17350	1.00784	0.84416	0.68239	0.62388	0.56971	0.51951
0.68	1.74348	1.56930	1.39731	1.22744	1.05965	0.89385	0.73000	0.66952	0.61355	0.56167	0.51352
0.70	1.62521	1.45108	1.27910	1.10924	0.94141	0.77557	0.71321	0.65556	0.60213	0.55253	0.50643
0.72	1.50224	1.32823	1.15637	0.98659	0.81883	0.75471	0.69549	0.64064	0.58973	0.54241	0.49836
0.74	1.37455	1.20077	1.02912	0.85953	0.79374	0.73307	0.67695	0.62489	0.57649	0.53143	0.48941
0.76	1.24215	1.06870	0.89735	0.83000	0.76803	0.71079	0.65773	0.60843	0.56251	0.51969	0.47969
0.78	1.10501	0.93199	0.86319	0.80007	0.74187	0.68799	0.63796	0.59138	0.54791	0.50730	0.46930
0.80	0.96309	0.89295	0.82884	0.76988	0.71539	0.66482	0.61776	0.57385	0.53280	0.49437	0.45833
0.82	0.91890	0.85399	0.79448	0.73959	0.68873	0.64141	0.59726	0.55597	0.51728	0.48098	0.44689
0.84	0.87509	0.81529	0.76027	0.70936	0.66203	0.61788	0.57657	0.53784	0.50146	0.46725	0.43505
0.86	0.83186	0.77702	0.72637	0.67932	0.63543	0.59435	0.55580	0.51956	0.48544	0.45327	0.42291
0.88	0.78942	0.73938	0.69294	0.64962	0.60905	0.57094	0.53507	0.50124	0.46930	0.43910	0.41055
0.90	0.74797	0.70253	0.66013	0.62039	0.58301	0.54777	0.51447	0.48297	0.45313	0.42486	0.39804
0.92	0.70770	0.66664	0.62809	0.59177	0.55744	0.52493	0.49411	0.46484	0.43703	0.41059	0.38546
0.94	0.66878	0.63185	0.59695	0.56386	0.53243	0.50253	0.47406	0.44692	0.42106	0.39639	0.37287
0.96	0.63138	0.59831	0.56682	0.53678	0.50808	0.48064	0.45441	0.42930	0.40529	0.38231	0.36033
0.98	0.59563	0.56613	0.53781	0.51061	0.48447	0.45935	0.43522	0.41204	0.38978	0.36841	0.34791
1.00	0.56163	0.53540	0.51000	0.48543	0.46167	0.43872	0.41656	0.39519	0.37459	0.35475	0.33565

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(d) Continued. Half cone angle, 45.0.

Dimensionless axial position, h	Dimensionless radius, ρ										
	0.40	0.42	0.44	0.46	0.48	0.50	0.52	0.54	0.56	0.58	0.60
-0.20	0.79744	0.75786	0.71822	0.67862	0.63915	0.59991	0.56097	0.52244	0.48438	0.44689	0.41003
-0.18	0.83841	0.79592	0.75342	0.71101	0.66878	0.62683	0.58524	0.54410	0.50350	0.46350	0.42420
-0.16	0.88163	0.83602	0.79046	0.74505	0.69989	0.65506	0.61065	0.56675	0.52344	0.48079	0.43888
-0.14	0.92718	0.87824	0.82941	0.78082	0.73253	0.68465	0.63726	0.59043	0.54425	0.49879	0.45413
-0.12	0.97516	0.92265	0.87036	0.81837	0.76678	0.71567	0.66511	0.61519	0.56597	0.51754	0.46997
-0.10	1.02565	0.96935	0.91337	0.85779	0.80269	0.74816	0.69426	0.64107	0.58866	0.53709	0.48644
-0.08	1.07874	1.01840	0.95851	0.89912	0.84033	0.78219	0.72477	0.66813	0.61235	0.55748	0.50360
-0.06	1.13450	1.06988	1.00584	0.94244	0.87974	0.81780	0.75668	0.69643	0.63711	0.57877	0.52148
-0.04	1.19299	1.12385	1.05544	0.98780	0.92100	0.85506	0.79005	0.72601	0.66298	0.60101	0.54015
-0.02	1.25429	1.18036	1.10734	1.03526	0.96414	0.89402	0.82494	0.75693	0.69002	0.62425	0.55967
0.00	1.31844	1.23947	1.16161	1.08485	1.00922	0.93473	0.86140	0.78924	0.71829	0.64856	0.58009
0.02	1.38047	1.29646	1.21373	1.13229	1.05213	0.97324	0.89563	0.81930	0.74428	0.67056	0.59816
0.04	1.43544	1.34660	1.25922	1.17327	1.08874	1.00560	0.92384	0.84347	0.76447	0.68685	0.61061
0.06	1.48341	1.38996	1.29813	1.20785	1.11911	1.03187	0.94610	0.86180	0.77894	0.69752	0.61752
0.08	1.52443	1.42661	1.33051	1.23610	1.14331	1.05212	0.96248	0.87437	0.78777	0.70264	0.61898
0.10	1.55860	1.45662	1.35647	1.25809	1.16143	1.06643	0.97306	0.88127	0.79104	0.70232	0.61509
0.12	1.58601	1.48008	1.37607	1.27391	1.17354	1.07489	0.97792	0.88259	0.78884	0.69664	0.60595
0.14	1.60676	1.49709	1.38941	1.28365	1.17973	1.07759	0.97716	0.87841	0.78127	0.68570	0.59166
0.16	1.62097	1.50776	1.39661	1.28741	1.18011	1.07461	0.97088	0.86883	0.76843	0.66961	0.57232
0.18	1.62875	1.51221	1.39775	1.28530	1.17476	1.06607	0.95916	0.85396	0.75041	0.64846	0.54805
0.20	1.63023	1.51054	1.39297	1.27742	1.16381	1.05207	0.94212	0.83390	0.72733	0.62237	0.51894
0.22	1.62555	1.50289	1.38236	1.26388	1.14735	1.03270	0.91986	0.80874	0.69929	0.59144	0.48512
0.24	1.61482	1.48937	1.36606	1.24480	1.12550	1.00808	0.89248	0.77860	0.66639	0.55577	0.44667
0.26	1.59819	1.47011	1.34418	1.22029	1.09836	0.97832	0.86008	0.74357	0.62872	0.51546	0.40371
0.28	1.57578	1.44524	1.31683	1.19046	1.06605	0.94352	0.82278	0.70377	0.58640	0.47062	0.35634
0.30	1.54773	1.41488	1.28414	1.15543	1.02867	0.90378	0.78067	0.65928	0.53953	0.42134	0.30465
0.32	1.51418	1.37915	1.24622	1.11531	0.98633	0.85921	0.73386	0.61021	0.48819	0.36772	0.24873
0.34	1.47523	1.33818	1.20320	1.07021	0.93915	0.80992	0.68245	0.55666	0.43249	0.30985	0.18868
0.36	1.43103	1.29208	1.15517	1.02024	0.88721	0.75600	0.62652	0.49872	0.37251	0.24783	0.12459
0.38	1.38170	1.24096	1.10226	0.96550	0.83063	0.69754	0.56619	0.43648	0.30835	0.18173	0.05654
0.40	1.32734	1.18495	1.04456	0.90610	0.76949	0.63466	0.50153	0.37003	0.24009	0.11164	-0.01539
0.42	1.26807	1.12414	0.98219	0.84213	0.70390	0.56743	0.43263	0.29945	0.16781	0.03764	0.00971
0.44	1.20400	1.05864	0.91523	0.77369	0.63395	0.49594	0.35959	0.22483	0.09159	0.06067	0.03278
0.46	1.13523	0.98855	0.84378	0.70086	0.55972	0.42028	0.28247	0.14624	0.11241	0.08170	0.05391
0.48	1.06185	0.91396	0.76794	0.62374	0.48129	0.34052	0.20137	0.16469	0.13125	0.10082	0.07320
0.50	0.98397	0.83495	0.68779	0.54241	0.39875	0.25675	0.21731	0.18121	0.14821	0.11812	0.09074
0.52	0.90167	0.75162	0.60340	0.45694	0.31217	0.27004	0.23136	0.19589	0.16341	0.13371	0.10662
0.54	0.81502	0.66404	0.51486	0.36741	0.32268	0.28150	0.24364	0.20885	0.17693	0.14768	0.12094
0.56	0.72411	0.57229	0.42224	0.37499	0.33141	0.29124	0.25423	0.22017	0.18886	0.16011	0.13377
0.58	0.62901	0.47644	0.42675	0.38086	0.33848	0.29935	0.26325	0.22996	0.19930	0.17110	0.14519
0.60	0.52979	0.47775	0.42964	0.38515	0.34399	0.30594	0.27078	0.23830	0.20834	0.18072	0.15530
0.62	0.52736	0.47753	0.43102	0.38795	0.34805	0.31111	0.27692	0.24529	0.21605	0.18906	0.16416
0.64	0.52430	0.47588	0.43100	0.38937	0.35077	0.31496	0.28177	0.25101	0.22253	0.19619	0.17185
0.66	0.51951	0.47293	0.42969	0.38953	0.35222	0.31758	0.28541	0.25555	0.22786	0.20220	0.17844
0.68	0.51352	0.46878	0.42719	0.38851	0.35252	0.31905	0.28793	0.25899	0.23211	0.20715	0.18401
0.70	0.50643	0.46354	0.42360	0.38641	0.35176	0.31948	0.28941	0.26141	0.23536	0.21113	0.18862
0.72	0.49836	0.45731	0.41904	0.38333	0.35002	0.31893	0.28993	0.26289	0.23768	0.21420	0.19234
0.74	0.48941	0.45020	0.41358	0.37936	0.34739	0.31751	0.28958	0.26350	0.23915	0.21642	0.19523
0.76	0.47969	0.44230	0.40733	0.37460	0.34396	0.31528	0.28843	0.26332	0.23982	0.21787	0.19736
0.78	0.46930	0.43372	0.40037	0.36911	0.33980	0.31232	0.28655	0.26241	0.23978	0.21860	0.19878
0.80	0.45833	0.42453	0.39280	0.36299	0.33500	0.30871	0.28402	0.26084	0.23908	0.21868	0.19955
0.82	0.44689	0.41483	0.38469	0.35632	0.32963	0.30452	0.28089	0.25867	0.23778	0.21816	0.19972
0.84	0.43505	0.40472	0.37613	0.34918	0.32377	0.29982	0.27724	0.25598	0.23595	0.21710	0.19936
0.86	0.42291	0.39425	0.36719	0.34162	0.31747	0.29467	0.27313	0.25281	0.23363	0.21555	0.19851
0.88	0.41055	0.38352	0.35794	0.33373	0.31082	0.28913	0.26862	0.24922	0.23088	0.21356	0.19721
0.90	0.39804	0.37260	0.34847	0.32557	0.30386	0.28327	0.26375	0.24526	0.22776	0.21119	0.19552
0.92	0.38546	0.36155	0.33882	0.31720	0.29666	0.27714	0.25860	0.24099	0.22430	0.20847	0.19347
0.94	0.37287	0.35044	0.32906	0.30868	0.28927	0.27078	0.25319	0.23646	0.22055	0.20545	0.19111
0.96	0.36033	0.33932	0.31924	0.30006	0.28174	0.26426	0.24758	0.23170	0.21657	0.20217	0.18847
0.98	0.34791	0.32826	0.30942	0.29138	0.27411	0.25760	0.24182	0.22675	0.21237	0.19866	0.18560
1.00	0.33565	0.31729	0.29964	0.28270	0.26644	0.25086	0.23594	0.22166	0.20801	0.19497	0.18252

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(d) Continued. Half cone angle, 45.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.60	0.62	0.64	0.66	0.68	0.70	0.72	0.74	0.76	0.78	0.80
-0.20	0.41003	0.37390	0.33857	0.30412	0.27063	0.23819	0.20689	0.17681	0.14804	0.12068	0.09481
-0.18	0.42420	0.38567	0.34799	0.31125	0.27554	0.24093	0.20753	0.17542	0.14471	0.11549	0.08787
-0.16	0.43888	0.39781	0.35764	0.31847	0.28037	0.24345	0.20779	0.17349	0.14067	0.10943	0.07989
-0.14	0.45413	0.41035	0.36754	0.32577	0.28514	0.24573	0.20765	0.17100	0.13589	0.10245	0.07080
-0.12	0.46997	0.42333	0.37772	0.33320	0.28986	0.24781	0.20713	0.16794	0.13035	0.09451	0.06054
-0.10	0.48644	0.43679	0.38820	0.34077	0.29456	0.24968	0.20623	0.16431	0.12405	0.08558	0.04906
-0.08	0.50360	0.45076	0.39904	0.34852	0.29928	0.25140	0.20498	0.16014	0.11699	0.07568	0.03636
-0.06	0.52148	0.46530	0.41029	0.35651	0.30406	0.25300	0.20344	0.15547	0.10921	0.06481	0.02243
-0.04	0.54015	0.48046	0.42199	0.36480	0.30896	0.25455	0.20165	0.15036	0.10078	0.05306	0.00733
-0.02	0.55967	0.49631	0.43422	0.37345	0.31407	0.25613	0.19971	0.14490	0.09179	0.04050	-0.00883
0.00	0.58009	0.51291	0.44704	0.38254	0.31945	0.25782	0.19771	0.13920	0.08235	0.02728	-0.02590
0.02	0.59816	0.52711	0.45742	0.38913	0.32227	0.25687	0.19299	0.13068	0.06999	0.01101	-0.04619
0.04	0.61061	0.53576	0.46231	0.39028	0.31968	0.25055	0.18291	0.11679	0.05224	-0.01069	-0.07195
0.06	0.61752	0.53895	0.46180	0.38609	0.31181	0.23897	0.16760	0.09770	0.02930	-0.03759	-0.10294
0.08	0.61898	0.53678	0.45601	0.37668	0.29877	0.22229	0.14722	0.07358	0.00135	-0.06946	-0.13887
0.10	0.61509	0.52934	0.44503	0.36216	0.28070	0.20063	0.12194	0.04461	-0.03139	-0.10607	-0.17947
0.12	0.60595	0.51675	0.42899	0.34266	0.25772	0.17414	0.09190	0.01096	-0.06872	-0.14718	-0.22449
0.14	0.59166	0.49910	0.40800	0.31830	0.22998	0.14298	0.05728	-0.02718	-0.11045	-0.19259	-0.27368
0.16	0.57232	0.47652	0.38217	0.28921	0.19760	0.10728	0.01822	-0.06966	-0.15641	-0.24210	-0.32682
0.18	0.54805	0.44912	0.35162	0.25550	0.16071	0.06718	-0.02513	-0.11631	-0.20641	-0.29553	-0.38374
0.20	0.51894	0.41700	0.31647	0.21730	0.11944	0.02282	-0.07264	-0.16699	-0.26032	-0.35271	-0.44426
0.22	0.48512	0.38027	0.27683	0.17473	0.07391	-0.02570	-0.12416	-0.22156	-0.31798	-0.41350	-0.40760
0.24	0.44667	0.33904	0.23280	0.12789	0.02423	-0.07824	-0.17959	-0.27991	-0.37928	-0.37714	-0.37301
0.26	0.40371	0.29341	0.18449	0.07689	-0.02949	-0.13469	-0.23881	-0.34192	-0.34344	-0.34286	-0.34037
0.28	0.35634	0.24349	0.13201	0.02183	-0.08714	-0.19496	-0.30171	-0.30680	-0.30969	-0.31054	-0.30955
0.30	0.30465	0.18937	0.07545	-0.03719	-0.14864	-0.25895	-0.26751	-0.27378	-0.27791	-0.28008	-0.28046
0.32	0.24873	0.13115	0.01490	-0.10009	-0.21388	-0.22585	-0.23541	-0.24275	-0.24802	-0.25139	-0.25302
0.34	0.18868	0.06891	-0.04955	-0.16676	-0.18206	-0.19485	-0.20531	-0.21361	-0.21991	-0.22437	-0.22714
0.36	0.12459	0.00273	-0.11782	-0.13637	-0.15232	-0.16584	-0.17710	-0.18627	-0.19350	-0.19894	-0.20274
0.38	0.05654	-0.06729	-0.08904	-0.10807	-0.12459	-0.13874	-0.15071	-0.16065	-0.16871	-0.17503	-0.17977
0.40	-0.01539	-0.04027	-0.06233	-0.08176	-0.09875	-0.11346	-0.12605	-0.13667	-0.14546	-0.15258	-0.15815
0.42	0.00971	-0.01531	-0.03760	-0.05735	-0.07473	-0.08991	-0.10303	-0.11425	-0.12369	-0.13151	-0.13782
0.44	0.03278	0.00770	-0.01475	-0.03474	-0.05244	-0.06800	-0.08158	-0.09331	-0.10333	-0.11176	-0.11873
0.46	0.05391	0.02884	0.00631	-0.01385	-0.03179	-0.04767	-0.06163	-0.07380	-0.08431	-0.09328	-0.10083
0.48	0.07320	0.04820	0.02566	0.00540	-0.01271	-0.02884	-0.04310	-0.05564	-0.06657	-0.07600	-0.08406
0.50	0.09074	0.06588	0.04339	0.02310	0.00487	-0.01143	-0.02593	-0.03877	-0.05005	-0.05988	-0.06838
0.52	0.10662	0.08196	0.05958	0.03932	0.02104	0.00463	-0.01006	-0.02313	-0.03469	-0.04486	-0.05373
0.54	0.12094	0.09653	0.07431	0.05413	0.03587	0.01939	0.00459	-0.00866	-0.02045	-0.03089	-0.04008
0.56	0.13377	0.10966	0.08766	0.06762	0.04942	0.03294	0.01806	0.00470	-0.00727	-0.01793	-0.02738
0.58	0.14519	0.12144	0.09970	0.07984	0.06175	0.04532	0.03043	0.01699	0.00490	-0.00592	-0.01558
0.60	0.15530	0.13193	0.11050	0.09087	0.07294	0.05660	0.04174	0.02828	0.01612	0.00517	-0.00464
0.62	0.16416	0.14122	0.12014	0.10078	0.08305	0.06684	0.05205	0.03861	0.02642	0.01540	0.00547
0.64	0.17185	0.14938	0.12868	0.10962	0.09213	0.07609	0.06142	0.04803	0.03585	0.02480	0.01480
0.66	0.17844	0.15647	0.13618	0.11747	0.10024	0.08441	0.06989	0.05660	0.04447	0.03341	0.02338
0.68	0.18401	0.16256	0.14272	0.12437	0.10745	0.09186	0.07752	0.06435	0.05230	0.04129	0.03125
0.70	0.18862	0.16772	0.14834	0.13040	0.11380	0.09847	0.08435	0.07134	0.05940	0.04845	0.03844
0.72	0.19234	0.17201	0.15312	0.13559	0.11935	0.10432	0.09043	0.07761	0.06581	0.05496	0.04500
0.74	0.19523	0.17548	0.15711	0.14002	0.12415	0.10943	0.09580	0.08319	0.07155	0.06083	0.05096
0.76	0.19736	0.17821	0.16036	0.14373	0.12825	0.11387	0.10051	0.08814	0.07669	0.06610	0.05634
0.78	0.19878	0.18024	0.16292	0.14676	0.13169	0.11766	0.10461	0.09248	0.08124	0.07082	0.06118
0.80	0.19955	0.18163	0.16486	0.14918	0.13453	0.12087	0.10813	0.09627	0.08524	0.07501	0.06552
0.82	0.19972	0.18243	0.16621	0.15102	0.13681	0.12352	0.11110	0.09953	0.08874	0.07870	0.06938
0.84	0.19936	0.18269	0.16703	0.15234	0.13856	0.12566	0.11358	0.10230	0.09176	0.08194	0.07279
0.86	0.19851	0.18246	0.16736	0.15317	0.13983	0.12732	0.11559	0.10461	0.09433	0.08473	0.07578
0.88	0.19721	0.18179	0.16725	0.15355	0.14067	0.12855	0.11718	0.10650	0.09650	0.08713	0.07837
0.90	0.19552	0.18071	0.16673	0.15353	0.14110	0.12938	0.11836	0.10800	0.09827	0.08915	0.08060
0.92	0.19347	0.17927	0.16584	0.15314	0.14115	0.12984	0.11918	0.10914	0.09970	0.09082	0.08249
0.94	0.19111	0.17751	0.16462	0.15242	0.14088	0.12997	0.11967	0.10995	0.10079	0.09217	0.08406
0.96	0.18847	0.17547	0.16311	0.15140	0.14030	0.12979	0.11985	0.11045	0.10158	0.09322	0.08533
0.98	0.18560	0.17317	0.16135	0.15011	0.13945	0.12933	0.11975	0.11068	0.10209	0.09399	0.08634
1.00	0.18252	0.17066	0.15935	0.14859	0.13835	0.12863	0.11940	0.11064	0.10235	0.09451	0.08709

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(d) Concluded. Half cone angle, 45.0.

Dimensionless axial position, ζ	Dimensionless radius, ρ										
	0.80	0.82	0.84	0.86	0.88	0.90	0.92	0.94	0.96	0.98	1.00
-0.20	0.09481	0.07053	0.04794	0.02711	0.00812	-0.00896	-0.02409	-0.03726	-0.04850	-0.05784	-0.06541
-0.18	0.08787	0.06196	0.03787	0.01570	-0.00444	-0.02247	-0.03833	-0.05198	-0.06343	-0.07275	-0.08004
-0.16	0.07989	0.05218	0.02642	0.00276	-0.01868	-0.03779	-0.05446	-0.06863	-0.08029	-0.08951	-0.09641
-0.14	0.07080	0.04109	0.01348	-0.01187	-0.03481	-0.05515	-0.07276	-0.08752	-0.09940	-0.10843	-0.11478
-0.12	0.06054	0.02862	-0.00109	-0.02837	-0.05303	-0.07483	-0.09356	-0.10904	-0.12115	-0.12990	-0.13547
-0.10	0.04906	0.01467	-0.01739	-0.04689	-0.07357	-0.09713	-0.11726	-0.13366	-0.14607	-0.15444	-0.15894
-0.08	0.03636	-0.00078	-0.03551	-0.06758	-0.09666	-0.12238	-0.14431	-0.16196	-0.17488	-0.18277	-0.18577
-0.06	0.02243	-0.01776	-0.05550	-0.09052	-0.12246	-0.15088	-0.17520	-0.19470	-0.20856	-0.21600	-0.21688
-0.04	0.00733	-0.03621	-0.07733	-0.11574	-0.15108	-0.18286	-0.21039	-0.23273	-0.24851	-0.25595	-0.25374
-0.02	-0.00883	-0.05603	-0.10090	-0.14316	-0.18248	-0.21837	-0.25016	-0.27681	-0.29656	-0.30605	-0.29943
0.00	-0.02590	-0.07706	-0.12602	-0.17256	-0.21640	-0.25717	-0.29432	-0.32706	-0.35398	-0.37219	-0.36794
0.02	-0.04619	-0.10149	-0.15478	-0.20591	-0.25469	-0.30089	-0.34423	-0.38439	-0.42104	-0.45443	-0.38843
0.04	-0.07195	-0.13149	-0.18923	-0.24509	-0.29900	-0.35090	-0.40077	-0.44871	-0.49518	-0.44107	-0.38915
0.06	-0.10294	-0.16673	-0.22895	-0.28959	-0.34868	-0.40628	-0.46256	-0.51788	-0.47243	-0.42700	-0.38361
0.08	-0.13887	-0.20689	-0.27356	-0.33892	-0.40308	-0.46619	-0.52851	-0.48996	-0.45073	-0.41185	-0.37460
0.10	-0.17947	-0.25165	-0.32266	-0.39261	-0.46164	-0.52989	-0.49731	-0.46362	-0.42954	-0.39585	-0.36341
0.12	-0.22449	-0.30070	-0.37592	-0.45027	-0.52392	-0.49653	-0.46788	-0.43843	-0.40869	-0.37927	-0.35079
0.14	-0.27368	-0.35379	-0.43304	-0.51158	-0.48900	-0.46501	-0.43993	-0.41416	-0.38814	-0.36234	-0.33722
0.16	-0.32682	-0.41068	-0.49378	-0.47569	-0.45604	-0.43512	-0.41322	-0.39070	-0.36791	-0.34523	-0.32304
0.18	-0.38374	-0.47115	-0.45731	-0.44179	-0.42483	-0.40669	-0.38764	-0.36799	-0.34804	-0.32810	-0.30848
0.20	-0.44426	-0.43446	-0.42288	-0.40972	-0.39521	-0.37958	-0.36309	-0.34600	-0.32857	-0.31106	-0.29373
0.22	-0.40760	-0.39981	-0.39032	-0.37933	-0.36705	-0.35370	-0.33951	-0.32471	-0.30953	-0.29420	-0.27893
0.24	-0.37301	-0.36707	-0.35950	-0.35049	-0.34025	-0.32897	-0.31686	-0.30413	-0.29097	-0.27759	-0.26417
0.26	-0.34037	-0.33612	-0.33032	-0.32313	-0.31474	-0.30533	-0.29510	-0.28423	-0.27291	-0.26130	-0.24956
0.28	-0.30955	-0.30687	-0.30268	-0.29714	-0.29044	-0.28274	-0.27422	-0.26504	-0.25536	-0.24536	-0.23516
0.30	-0.28046	-0.27921	-0.27649	-0.27247	-0.26730	-0.26115	-0.25418	-0.24653	-0.23836	-0.22981	-0.22101
0.32	-0.25302	-0.25307	-0.25170	-0.24905	-0.24528	-0.24054	-0.23497	-0.22872	-0.22192	-0.21470	-0.20718
0.34	-0.22714	-0.22837	-0.22822	-0.22682	-0.22432	-0.22086	-0.21658	-0.21159	-0.20604	-0.20003	-0.19368
0.36	-0.20274	-0.20505	-0.20601	-0.20574	-0.20440	-0.20210	-0.19898	-0.19515	-0.19073	-0.18583	-0.18056
0.38	-0.17977	-0.18305	-0.18500	-0.18577	-0.18547	-0.18423	-0.18216	-0.17938	-0.17600	-0.17212	-0.16782
0.40	-0.15815	-0.16230	-0.16516	-0.16685	-0.16750	-0.16722	-0.16611	-0.16429	-0.16185	-0.15889	-0.15550
0.42	-0.13782	-0.14275	-0.14643	-0.14896	-0.15046	-0.15104	-0.15081	-0.14985	-0.14827	-0.14616	-0.14359
0.44	-0.11873	-0.12436	-0.12876	-0.13205	-0.13432	-0.13568	-0.13623	-0.13607	-0.13527	-0.13393	-0.13211
0.46	-0.10083	-0.10708	-0.11213	-0.11608	-0.11904	-0.12111	-0.12237	-0.12292	-0.12283	-0.12219	-0.12107
0.48	-0.08406	-0.09085	-0.09647	-0.10103	-0.10461	-0.10731	-0.10921	-0.11040	-0.11096	-0.11096	-0.11047
0.50	-0.06838	-0.07564	-0.08177	-0.08685	-0.09099	-0.09425	-0.09673	-0.09850	-0.09964	-0.10022	-0.10030
0.52	-0.05373	-0.06141	-0.06797	-0.07353	-0.07814	-0.08191	-0.08491	-0.08720	-0.08887	-0.08997	-0.09058
0.54	-0.04008	-0.04810	-0.05505	-0.06101	-0.06606	-0.07027	-0.07372	-0.07649	-0.07863	-0.08021	-0.08128
0.56	-0.02738	-0.03569	-0.04297	-0.04928	-0.05470	-0.05931	-0.06317	-0.06635	-0.06891	-0.07092	-0.07242
0.58	-0.01558	-0.02414	-0.03169	-0.03830	-0.04404	-0.04899	-0.05321	-0.05676	-0.05970	-0.06209	-0.06398
0.60	-0.00464	-0.01340	-0.02117	-0.02804	-0.03406	-0.03931	-0.04384	-0.04771	-0.05099	-0.05372	-0.05595
0.62	0.00547	-0.00344	-0.01139	-0.01847	-0.02473	-0.03023	-0.03503	-0.03919	-0.04276	-0.04580	-0.04834
0.64	0.01480	0.00578	-0.00232	-0.00956	-0.01602	-0.02173	-0.02677	-0.03118	-0.03501	-0.03831	-0.04112
0.66	0.02338	0.01429	0.00608	-0.00129	-0.00790	-0.01380	-0.01903	-0.02365	-0.02771	-0.03124	-0.03430
0.68	0.03125	0.02212	0.01385	0.00637	-0.00036	-0.00640	-0.01180	-0.01660	-0.02084	-0.02458	-0.02786
0.70	0.03844	0.02931	0.02100	0.01346	0.00663	0.00048	-0.00505	-0.01000	-0.01441	-0.01832	-0.02178
0.72	0.04500	0.03589	0.02757	0.01999	0.01311	0.00687	0.00123	-0.00384	-0.00839	-0.01245	-0.01606
0.74	0.05096	0.04189	0.03359	0.02600	0.01908	0.01278	0.00707	0.00190	-0.00276	-0.00694	-0.01069
0.76	0.05634	0.04735	0.03909	0.03151	0.02458	0.01825	0.01248	0.00724	0.00249	-0.00180	-0.00566
0.78	0.06118	0.05229	0.04409	0.03655	0.02962	0.02328	0.01748	0.01219	0.00738	0.00301	-0.00094
0.80	0.06552	0.05674	0.04862	0.04113	0.03424	0.02790	0.02209	0.01677	0.01191	0.00748	0.00346
0.82	0.06938	0.06073	0.05271	0.04530	0.03845	0.03214	0.02633	0.02100	0.01611	0.01164	0.00756
0.84	0.07279	0.06428	0.05638	0.04906	0.04227	0.03600	0.03022	0.02489	0.01999	0.01549	0.01137
0.86	0.07578	0.06743	0.05966	0.05244	0.04573	0.03952	0.03377	0.02846	0.02356	0.01905	0.01491
0.88	0.07837	0.07019	0.06257	0.05546	0.04885	0.04271	0.03701	0.03173	0.02685	0.02234	0.01819
0.90	0.08060	0.07260	0.06513	0.05815	0.05164	0.04558	0.03994	0.03471	0.02986	0.02536	0.02121
0.92	0.08249	0.07468	0.06736	0.06052	0.05412	0.04815	0.04259	0.03741	0.03260	0.02813	0.02399
0.94	0.08406	0.07644	0.06929	0.06259	0.05632	0.05045	0.04497	0.03986	0.03510	0.03067	0.02655
0.96	0.08533	0.07792	0.07094	0.06439	0.05825	0.05249	0.04710	0.04207	0.03736	0.03297	0.02889
0.98	0.08634	0.07912	0.07233	0.06594	0.05993	0.05428	0.04899	0.04404	0.03940	0.03507	0.03102
1.00	0.08709	0.08008	0.07347	0.06724	0.06137	0.05585	0.05066	0.04579	0.04123	0.03696	0.03296

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(e) Half cone angle, 60.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0	0.02	0.04	0.06	0.08	0.10	0.12	0.14	0.16	0.18	0.20
-0.20	2.42228	2.41618	2.39820	2.36923	2.33049	2.28336	2.22919	2.16921	2.10452	2.03606	1.96460
-0.18	2.56132	2.53441	2.51411	2.48159	2.43845	2.38638	2.32699	2.26169	2.19170	2.11803	2.04151
-0.16	2.66964	2.66172	2.63855	2.60175	2.55338	2.49558	2.43023	2.35897	2.28310	2.20373	2.12171
-0.14	2.80864	2.79941	2.77263	2.73054	2.67591	2.61140	2.53925	2.46127	2.37891	2.29330	2.20533
-0.12	2.96010	2.94914	2.91765	2.86893	2.80673	2.73434	2.65438	2.56886	2.47930	2.38686	2.29244
-0.10	3.12641	3.11305	3.07526	3.01805	2.94657	2.86488	2.77597	2.68197	2.58444	2.48455	2.38315
-0.08	3.31094	3.29405	3.24743	3.17915	3.09622	3.00352	2.90432	2.80080	2.69449	2.58646	2.47753
-0.06	3.51882	3.49622	3.43662	3.35357	3.25644	3.15073	3.03975	2.92556	2.80956	2.69269	2.57565
-0.04	3.75873	3.72556	3.64571	3.54271	3.42796	3.30691	3.18248	3.05640	2.92977	2.80331	2.67755
-0.02	4.04901	3.99104	3.87780	3.74782	3.61138	3.47238	3.33272	3.19344	3.05518	2.91837	2.78327
0.00	4.47593	4.30423	4.13552	3.96981	3.80708	3.64734	3.49056	3.33674	3.18585	3.03788	2.89282
0.02	4.90086	4.61542	4.39124	4.18980	4.00080	3.82031	3.64643	3.47806	3.31455	3.15544	3.00042
0.04	5.18514	4.87490	4.61734	4.38893	4.17825	3.97983	3.79072	3.60918	3.43407	3.26463	3.10030
0.06	5.41504	5.09424	4.81644	4.56809	4.33981	4.12607	3.92356	3.73015	3.54445	3.36546	3.19246
0.08	5.60891	5.28240	4.99163	4.72854	4.48609	4.25937	4.04511	3.84110	3.64577	3.45799	3.27694
0.10	5.77542	5.44538	5.14581	4.87166	4.61780	4.38012	4.15564	3.94216	3.73811	3.54229	3.35379
0.12	5.91968	5.58725	5.28139	4.99879	4.73570	4.48879	4.25541	4.03354	3.82161	3.61843	3.42305
0.14	6.04507	5.71091	5.40038	5.11119	4.84057	4.58585	4.34475	4.11543	3.89641	3.68652	3.48481
0.16	6.15395	5.81850	5.50437	5.20995	4.93313	4.67179	4.42398	4.18806	3.96266	3.74667	3.53915
0.18	6.24811	5.91166	5.59469	5.29603	5.01407	4.74708	4.49343	4.25167	4.02055	3.79901	3.58616
0.20	6.32891	5.99166	5.67241	5.37027	5.08399	4.81218	4.55343	4.30650	4.07023	3.84366	3.62594
0.22	6.39744	6.05954	5.73842	5.43339	5.14346	4.86749	4.60429	4.35277	4.11189	3.88076	3.65858
0.24	6.45457	6.11614	5.79347	5.48601	5.19297	4.91340	4.64631	4.39071	4.14570	3.91045	3.68420
0.26	6.50105	6.16216	5.83818	5.52866	5.23296	4.95027	4.67975	4.42054	4.17183	3.93284	3.70288
0.28	6.53746	6.19819	5.87310	5.56182	5.26382	4.97842	4.70489	4.44247	4.19043	3.94808	3.71475
0.30	6.56432	6.22473	5.89869	5.58590	5.28591	4.99814	4.72195	4.45669	4.20167	3.95628	3.71989
0.32	6.58206	6.24220	5.91535	5.60125	5.29953	5.00969	4.73117	4.46337	4.20570	3.95757	3.71840
0.34	6.59106	6.25096	5.92341	5.60819	5.30496	5.01331	4.73273	4.46269	4.20264	3.95205	3.71039
0.36	6.59164	6.25133	5.92317	5.60698	5.30245	5.00921	4.72682	4.45479	4.19264	3.93985	3.69593
0.38	6.58406	6.24358	5.91490	5.59786	5.29220	4.99758	4.71360	4.43983	4.17580	3.92105	3.67512
0.40	6.56857	6.22794	5.89881	5.58104	5.27440	4.97858	4.69322	4.41792	4.15224	3.89576	3.64803
0.42	6.54538	6.20461	5.87510	5.55671	5.24923	4.95237	4.66581	4.38918	4.12206	3.86405	3.61473
0.44	6.51464	6.17377	5.84393	5.52501	5.21682	4.91908	4.63149	4.35371	4.08534	3.82601	3.57530
0.46	6.47651	6.13555	5.80544	5.48609	5.17729	4.87881	4.59036	4.31160	4.04218	3.78170	3.52980
0.48	6.43111	6.09007	5.75975	5.44004	5.13075	4.83167	4.54250	4.26294	3.99262	3.73119	3.47828
0.50	6.37853	6.03744	5.70695	5.38696	5.07729	4.77773	4.48800	4.20778	3.93675	3.67454	3.42079
0.52	6.31886	5.97773	5.64712	5.32692	5.01697	4.71705	4.42690	4.14619	3.87461	3.61179	3.35738
0.54	6.25215	5.91099	5.58030	5.25998	4.94985	4.64970	4.35925	4.07821	3.80624	3.54298	3.28809
0.56	6.17843	5.83726	5.50654	5.18616	4.87595	4.57569	4.28510	4.00388	3.73168	3.46815	3.21294
0.58	6.09772	5.75656	5.42585	5.10549	4.79530	4.49505	4.20446	3.92321	3.65095	3.38732	3.13197
0.60	6.01000	5.66886	5.33822	5.01796	4.70790	4.40780	4.11734	3.83622	3.56406	3.30052	3.04520
0.62	5.91526	5.57415	5.24363	4.92356	4.61374	4.31390	4.02374	3.74291	3.47104	3.20774	2.95263
0.64	5.81342	5.47238	5.14203	4.82223	4.51277	4.21335	3.92365	3.64328	3.37186	3.10900	2.85429
0.66	5.70442	5.36346	5.03334	4.71392	4.40495	4.10610	3.81702	3.53730	3.26653	3.00429	2.75017
0.68	5.58814	5.24729	4.91748	4.59854	4.29020	3.99209	3.70382	3.42495	3.15503	2.89361	2.64027
0.70	5.46445	5.12373	4.79430	4.47598	4.16843	3.87125	3.58400	3.30618	3.03732	2.77694	2.52458
0.72	5.33316	4.99260	4.66366	4.34609	4.03952	3.74348	3.45747	3.18094	2.91337	2.65425	2.40310
0.74	5.19406	4.85371	4.52535	4.20871	3.90333	3.60867	3.32415	3.04917	2.78314	2.52553	2.27582
0.76	5.04687	4.70676	4.37914	4.06362	3.75969	3.46669	3.18395	2.91079	2.64658	2.39073	2.14270
0.78	4.89125	4.55146	4.22472	3.91059	3.60839	3.31738	3.03674	2.76573	2.50364	2.24983	2.00374
0.80	4.72679	4.38738	4.06174	3.74930	3.44921	3.16055	2.88240	2.61388	2.35424	2.10278	1.85891
0.82	4.55297	4.21404	3.88977	3.57940	3.28186	2.99602	2.72077	2.45516	2.19832	1.94954	1.79807
0.84	4.36912	4.03081	3.70828	3.40048	3.10604	2.82355	2.55171	2.28945	2.03582	1.88031	1.73796
0.86	4.17442	3.83691	3.51661	3.21205	2.92139	2.64289	2.37505	2.11664	1.95737	1.81223	1.67872
0.88	3.96775	3.63132	3.31396	3.01351	2.72752	2.45380	2.19062	2.02792	1.88056	1.74543	1.62048
0.90	3.74760	3.41269	3.09932	2.80421	2.52399	2.25598	2.09033	1.94150	1.80556	1.68006	1.56335
0.92	3.51184	3.17920	2.87146	2.58337	2.31033	2.14239	1.99320	1.85757	1.73254	1.61625	1.50744
0.94	3.25719	2.92822	2.62882	2.35014	2.18102	2.03316	1.89947	1.77632	1.66164	1.55412	1.45286
0.96	2.97804	2.65591	2.36955	2.20143	2.05789	1.92863	1.80937	1.69792	1.59299	1.49376	1.39968
0.98	2.66254	2.35647	2.19522	2.06199	1.94140	1.82906	1.72308	1.62249	1.52669	1.43528	1.34798
1.00	2.25466	2.14387	2.03648	1.93249	1.83188	1.73464	1.64073	1.55014	1.46282	1.37873	1.29783

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(e) Continued. Half cone angle, 60.0.

Dimensionless axial position, β	Dimensionless radius, ρ										
	0.20	0.22	0.24	0.26	0.28	0.30	0.32	0.34	0.36	0.38	0.40
-0.20	1.96460	1.89084	1.81534	1.73858	1.66098	1.58288	1.50459	1.42638	1.34846	1.27105	1.19431
-0.18	2.04151	1.96285	1.88262	1.80132	1.71936	1.63708	1.55478	1.47272	1.39110	1.31014	1.22999
-0.16	2.12171	2.03778	1.95250	1.86638	1.77980	1.69312	1.60660	1.52051	1.43504	1.35037	1.26668
-0.14	2.20533	2.11572	2.02505	1.93380	1.84235	1.75102	1.66008	1.56977	1.48027	1.39176	1.30438
-0.12	2.29244	2.19674	2.10032	2.00363	1.90702	1.81081	1.71524	1.62052	1.52683	1.43431	1.34311
-0.10	2.38316	2.28092	2.17836	2.07590	1.97387	1.87253	1.77210	1.67278	1.57472	1.47804	1.38287
-0.08	2.47753	2.36830	2.25922	2.15065	2.04290	1.93617	1.83067	1.72655	1.62394	1.52295	1.42367
-0.06	2.57565	2.45893	2.34292	2.22791	2.11413	2.00177	1.89097	1.78185	1.67451	1.56904	1.46551
-0.04	2.67755	2.55285	2.42950	2.30769	2.18759	2.06933	1.95299	1.83868	1.72643	1.61632	1.50839
-0.02	2.78327	2.65009	2.51896	2.39000	2.26327	2.13884	2.01675	1.89703	1.77970	1.66479	1.55231
0.00	2.89282	2.75064	2.61132	2.47484	2.34118	2.21032	2.08223	1.95691	1.83432	1.71444	1.59728
0.02	3.00042	2.84925	2.70175	2.55776	2.41718	2.27990	2.14583	2.01491	1.88706	1.76224	1.64039
0.04	3.10030	2.94067	2.78543	2.63432	2.48714	2.34372	2.20392	2.06762	1.93472	1.80512	1.67876
0.06	3.19246	3.02490	2.86236	2.70451	2.55106	2.40179	2.25651	2.11506	1.97730	1.84310	1.71238
0.08	3.27694	3.10197	2.93257	2.76834	2.60894	2.45410	2.30359	2.15721	2.01479	1.87618	1.74125
0.10	3.35379	3.17190	2.99606	2.82582	2.66079	2.50066	2.34517	2.19408	2.04719	1.90434	1.76538
0.12	3.42305	3.23474	3.05288	2.87698	2.70664	2.54149	2.38126	2.22567	2.07452	1.92761	1.78477
0.14	3.48481	3.29054	3.10306	2.92186	2.74649	2.57660	2.41187	2.25201	2.09678	1.94598	1.79943
0.16	3.53915	3.33936	3.14664	2.96047	2.78039	2.60602	2.43702	2.27309	2.11398	1.95947	1.80936
0.18	3.58616	3.38126	3.18368	2.99286	2.80836	2.62976	2.45673	2.28894	2.12615	1.96810	1.81458
0.20	3.62594	3.41634	3.21423	3.01909	2.83043	2.64786	2.47102	2.29958	2.13328	1.97186	1.81510
0.22	3.65858	3.44465	3.23836	3.03918	2.84665	2.66035	2.47992	2.30503	2.13541	1.97079	1.81094
0.24	3.68420	3.46629	3.25613	3.05321	2.85705	2.66725	2.48345	2.30531	2.13255	1.96489	1.80211
0.26	3.70288	3.48133	3.26760	3.06121	2.86168	2.66861	2.48165	2.30045	2.12472	1.95419	1.78862
0.28	3.71475	3.48985	3.27285	3.06324	2.86058	2.66447	2.47454	2.29047	2.11195	1.93871	1.77051
0.30	3.71989	3.49194	3.27192	3.05935	2.85379	2.65485	2.46216	2.27540	2.09426	1.91847	1.74778
0.32	3.71840	3.48768	3.26490	3.04961	2.84137	2.63980	2.44455	2.25527	2.07168	1.89349	1.72046
0.34	3.71039	3.47715	3.25185	3.03406	2.82336	2.61936	2.42172	2.23011	2.04423	1.86380	1.68857
0.36	3.69593	3.46041	3.23282	3.01275	2.79979	2.59357	2.39373	2.19995	2.01194	1.82942	1.65213
0.38	3.67512	3.43754	3.20789	2.98575	2.77073	2.56245	2.36059	2.16482	1.97484	1.79037	1.61116
0.40	3.64803	3.40861	3.17710	2.95309	2.73620	2.52607	2.32235	2.12475	1.93295	1.74668	1.56570
0.42	3.61473	3.37369	3.14052	2.91483	2.69625	2.48444	2.27904	2.07976	1.88630	1.69838	1.51575
0.44	3.57530	3.33282	3.09819	2.87101	2.65093	2.43760	2.23069	2.02990	1.83492	1.64549	1.46135
0.46	3.52980	3.28608	3.05016	2.82168	2.60027	2.38560	2.17733	1.97518	1.77883	1.58803	1.40252
0.48	3.47828	3.23350	2.99648	2.76687	2.54430	2.32845	2.11900	1.91563	1.71807	1.52604	1.33929
0.50	3.42079	3.17513	2.93719	2.70662	2.48307	2.26621	2.05572	1.85129	1.65265	1.45953	1.27167
0.52	3.35738	3.11102	2.87233	2.64097	2.41660	2.19889	1.98751	1.78218	1.58261	1.38853	1.19969
0.54	3.28809	3.04119	2.80193	2.56996	2.34493	2.12652	1.91442	1.70833	1.50797	1.31307	1.12338
0.56	3.21294	2.96569	2.72602	2.49360	2.26808	2.04914	1.83646	1.62976	1.42875	1.23316	1.04275
0.58	3.13197	2.88453	2.64463	2.41193	2.18608	1.96676	1.75367	1.54650	1.34498	1.14884	0.95784
0.60	3.04520	2.79774	2.55778	2.32497	2.09896	1.87942	1.66606	1.45857	1.25668	1.06012	0.86866
0.62	2.95263	2.70534	2.46550	2.23274	2.00673	1.78713	1.57365	1.36599	1.16387	0.96704	0.86347
0.64	2.85429	2.60734	2.36779	2.13526	1.90941	1.68992	1.47648	1.26879	1.06658	0.95792	0.85735
0.66	2.75017	2.50375	2.26467	2.03254	1.80703	1.58780	1.37455	1.16669	1.05325	0.94794	0.85036
0.68	2.64027	2.39458	2.15615	1.92461	1.69960	1.48080	1.26790	1.14913	1.03914	0.93717	0.84257
0.70	2.52458	2.27982	2.04224	1.81146	1.58714	1.36893	1.24518	1.13059	1.02431	0.92566	0.83402
0.72	2.40310	2.15947	1.92294	1.69312	1.46966	1.34099	1.22189	1.11143	1.00885	0.91349	0.82478
0.74	2.27582	2.03354	1.79826	1.56959	1.43610	1.31262	1.19812	1.09175	0.99281	0.90071	0.81492
0.76	2.14270	1.90200	1.66819	1.52999	1.40228	1.28390	1.17393	1.07160	0.97627	0.88738	0.80447
0.78	2.00374	1.76487	1.62208	1.49031	1.36827	1.25491	1.14941	1.05106	0.95928	0.87357	0.79351
0.80	1.85891	1.71169	1.57610	1.45065	1.33417	1.22575	1.12463	1.03019	0.94191	0.85933	0.78209
0.82	1.79807	1.65892	1.53037	1.41109	1.30006	1.19647	1.09965	1.00906	0.92421	0.84473	0.77024
0.84	1.73796	1.60669	1.48500	1.37174	1.26604	1.16717	1.07456	0.98773	0.90626	0.82980	0.75804
0.86	1.67872	1.55510	1.44008	1.33268	1.23216	1.13791	1.04941	0.96626	0.88810	0.81461	0.74552
0.88	1.62048	1.50426	1.39570	1.29400	1.19852	1.10875	1.02427	0.94471	0.86978	0.79920	0.73273
0.90	1.56335	1.45427	1.35196	1.25577	1.16518	1.07977	0.99919	0.92314	0.85136	0.78362	0.71971
0.92	1.50744	1.40523	1.30894	1.21807	1.13221	1.05103	0.97424	0.90159	0.83288	0.76791	0.70651
0.94	1.45286	1.35721	1.26671	1.18097	1.09968	1.02258	0.94946	0.88012	0.81440	0.75213	0.69317
0.96	1.39968	1.31031	1.22534	1.14452	1.06762	0.99447	0.92490	0.85877	0.79594	0.73630	0.67972
0.98	1.34798	1.26458	1.18490	1.10878	1.03611	0.96675	0.90061	0.83758	0.77756	0.72047	0.66621
1.00	1.29783	1.22008	1.14543	1.07381	1.00518	0.93947	0.87663	0.81659	0.75929	0.70467	0.65266

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(e) Continued. Half cone angle, 60.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.40	0.42	0.44	0.46	0.48	0.50	0.52	0.54	0.56	0.58	0.60
-0.20	1.19431	1.11841	1.04349	0.96968	0.89709	0.82583	0.75602	0.68774	0.62109	0.55616	0.49304
-0.18	1.22999	1.15081	1.07273	0.99588	0.92036	0.84627	0.77373	0.70281	0.63360	0.56620	0.50070
-0.16	1.26668	1.18409	1.10274	1.02274	0.94418	0.86718	0.79181	0.71817	0.64633	0.57638	0.50841
-0.14	1.30438	1.21827	1.13352	1.05026	0.96858	0.88855	0.81027	0.73382	0.65927	0.58670	0.51619
-0.12	1.34311	1.25333	1.16508	1.07846	0.99354	0.91040	0.82912	0.74977	0.67243	0.59715	0.52402
-0.10	1.38287	1.28930	1.19743	1.10733	1.01907	0.93272	0.84836	0.76603	0.68580	0.60774	0.53191
-0.08	1.42367	1.32618	1.23056	1.13687	1.04518	0.95553	0.86798	0.78259	0.69940	0.61847	0.53987
-0.06	1.46551	1.36397	1.26448	1.16710	1.07186	0.97881	0.88799	0.79945	0.71322	0.62935	0.54789
-0.04	1.50839	1.40267	1.29920	1.19801	1.09912	1.00258	0.90840	0.81662	0.72726	0.64037	0.55599
-0.02	1.55231	1.44228	1.33470	1.22959	1.12696	1.02683	0.92920	0.83409	0.74154	0.65155	0.56416
0.00	1.59728	1.48280	1.37099	1.26186	1.15538	1.05156	0.95039	0.85188	0.75604	0.66287	0.57241
0.02	1.64039	1.52147	1.40545	1.29229	1.18197	1.07446	0.96976	0.86784	0.76871	0.67237	0.57881
0.04	1.67875	1.55555	1.43544	1.31837	1.20432	1.09323	0.98508	0.87984	0.77750	0.67804	0.58146
0.06	1.71238	1.58502	1.46095	1.34011	1.22243	1.10786	0.99635	0.88787	0.78240	0.67989	0.58035
0.08	1.74125	1.60989	1.48201	1.35750	1.23631	1.11836	1.00359	0.89196	0.78342	0.67794	0.57550
0.10	1.76538	1.63017	1.49859	1.37055	1.24596	1.12473	1.00679	0.89209	0.78057	0.67219	0.56692
0.12	1.78477	1.64585	1.51072	1.37927	1.25138	1.12697	1.00596	0.88828	0.77386	0.66265	0.55461
0.14	1.79943	1.65695	1.51840	1.38365	1.25259	1.12511	1.00112	0.88054	0.76330	0.64933	0.53859
0.16	1.80936	1.66346	1.52163	1.38371	1.24958	1.11913	0.99226	0.86888	0.74890	0.63225	0.51888
0.18	1.81458	1.66541	1.52042	1.37945	1.24238	1.10906	0.97941	0.85330	0.73067	0.61142	0.49549
0.20	1.81510	1.66281	1.51479	1.37090	1.23098	1.09491	0.96256	0.83383	0.70863	0.58685	0.46843
0.22	1.81094	1.65566	1.50475	1.35806	1.21541	1.07669	0.94175	0.81048	0.68279	0.55857	0.43773
0.24	1.80211	1.64398	1.49032	1.34094	1.19568	1.05441	0.91697	0.78326	0.65317	0.52658	0.40340
0.26	1.78862	1.62779	1.47150	1.31956	1.17180	1.02808	0.88826	0.75219	0.61978	0.49090	0.36546
0.28	1.77051	1.60711	1.44832	1.29393	1.14379	0.99773	0.85561	0.71729	0.58264	0.45156	0.32394
0.30	1.74778	1.58195	1.42079	1.26408	1.11167	0.96337	0.81905	0.67856	0.54178	0.40857	0.27884
0.32	1.72046	1.55234	1.38893	1.23002	1.07545	0.92502	0.77860	0.63604	0.49720	0.36196	0.23020
0.34	1.68857	1.51829	1.35276	1.19177	1.03514	0.88270	0.73428	0.58974	0.44893	0.31174	0.17803
0.36	1.65213	1.47983	1.31231	1.14935	0.99078	0.83642	0.68610	0.53967	0.39699	0.25793	0.12235
0.38	1.61116	1.43697	1.26758	1.10278	0.94238	0.78621	0.63409	0.48587	0.34140	0.20055	0.06319
0.40	1.56670	1.38974	1.21861	1.05208	0.88996	0.73208	0.57825	0.42834	0.28218	0.13963	0.00057
0.42	1.51575	1.33817	1.16541	0.99726	0.83354	0.67405	0.51863	0.36711	0.21934	0.07519	0.02219
0.44	1.46135	1.28227	1.10800	0.93836	0.77314	0.61215	0.45523	0.30220	0.15292	0.09497	0.04258
0.46	1.40252	1.22206	1.04642	0.87539	0.70878	0.54640	0.38807	0.23363	0.17070	0.11352	0.06177
0.48	1.33929	1.15757	0.98067	0.80838	0.64048	0.47681	0.31718	0.24923	0.18726	0.13090	0.07981
0.50	1.27167	1.08883	0.91079	0.73734	0.56827	0.40341	0.33043	0.26365	0.20267	0.14714	0.09673
0.52	1.19969	1.01585	0.83679	0.66230	0.49217	0.41413	0.34252	0.27692	0.21695	0.16227	0.11257
0.54	1.12338	0.93866	0.75870	0.58327	0.50016	0.42371	0.35348	0.28908	0.23015	0.17635	0.12738
0.56	1.04275	0.85728	0.67654	0.58832	0.50703	0.43218	0.36337	0.30019	0.24231	0.18940	0.14118
0.58	0.95784	0.77174	0.67841	0.59228	0.51283	0.43961	0.37222	0.31028	0.25347	0.20147	0.15402
0.60	0.86866	0.77021	0.67925	0.59521	0.51762	0.44604	0.38008	0.31939	0.26366	0.21260	0.16594
0.62	0.86347	0.76769	0.67910	0.59717	0.52144	0.45151	0.38699	0.32758	0.27295	0.22283	0.17696
0.64	0.85735	0.76424	0.67802	0.59820	0.52434	0.45606	0.39301	0.33487	0.28134	0.23218	0.18714
0.66	0.85036	0.75991	0.67606	0.59835	0.52637	0.45975	0.39816	0.34130	0.28890	0.24071	0.19649
0.68	0.84257	0.75477	0.67329	0.59769	0.52758	0.46262	0.40250	0.34693	0.29566	0.24844	0.20506
0.70	0.83402	0.74887	0.66974	0.59624	0.52801	0.46471	0.40606	0.35178	0.30165	0.25542	0.21289
0.72	0.82478	0.74226	0.66548	0.59407	0.52770	0.46606	0.40888	0.35590	0.30691	0.26167	0.22000
0.74	0.81492	0.73499	0.66055	0.59122	0.52671	0.46672	0.41101	0.35933	0.31147	0.26723	0.22643
0.76	0.80447	0.72713	0.65499	0.58774	0.52507	0.46673	0.41248	0.36209	0.31538	0.27214	0.23220
0.78	0.79351	0.71872	0.64887	0.58366	0.52283	0.46612	0.41333	0.36424	0.31866	0.27643	0.23736
0.80	0.78209	0.70982	0.64223	0.57905	0.52003	0.46494	0.41360	0.36579	0.32136	0.28012	0.24194
0.82	0.77024	0.70046	0.63510	0.57393	0.51670	0.46323	0.41332	0.36679	0.32349	0.28326	0.24595
0.84	0.75804	0.69070	0.62755	0.56835	0.51290	0.46102	0.41253	0.36728	0.32510	0.28587	0.24943
0.86	0.74552	0.68059	0.61960	0.56235	0.50865	0.45834	0.41127	0.36727	0.32622	0.28798	0.25242
0.88	0.73273	0.67016	0.61130	0.55596	0.50400	0.45524	0.40956	0.36681	0.32687	0.28961	0.25493
0.90	0.71971	0.65946	0.60268	0.54924	0.49897	0.45175	0.40744	0.36592	0.32708	0.29081	0.25699
0.92	0.70651	0.64852	0.59380	0.54220	0.49361	0.44789	0.40494	0.36464	0.32689	0.29159	0.25863
0.94	0.69317	0.63739	0.58467	0.53489	0.48794	0.44370	0.40209	0.36299	0.32632	0.29198	0.25987
0.96	0.67972	0.62611	0.57535	0.52734	0.48199	0.43921	0.39891	0.36100	0.32539	0.29200	0.26075
0.98	0.66621	0.61470	0.56585	0.51958	0.47581	0.43445	0.39544	0.35869	0.32413	0.29168	0.26127
1.00	0.65266	0.60320	0.55621	0.51163	0.46940	0.42945	0.39170	0.35610	0.32257	0.29104	0.26146

TABLE IV. - Continued. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, 10 $B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(e) Continued. Half cone angle, 60.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.60	0.62	0.64	0.66	0.68	0.70	0.72	0.74	0.76	0.78	0.80
-0.20	0.49304	0.43183	0.37262	0.31550	0.26059	0.20797	0.15778	0.11012	0.06515	0.02300	-0.01616
-0.18	0.50070	0.43718	0.37572	0.31644	0.25942	0.20478	0.15262	0.10308	0.05630	0.01242	-0.02838
-0.16	0.50841	0.44250	0.37874	0.31721	0.25801	0.20126	0.14707	0.09556	0.04687	0.00117	-0.04136
-0.14	0.51619	0.44781	0.38165	0.31781	0.25636	0.19743	0.14111	0.08754	0.03687	-0.01075	-0.05513
-0.12	0.52402	0.45310	0.38448	0.31824	0.25447	0.19326	0.13475	0.07904	0.02628	-0.02336	-0.06969
-0.10	0.53191	0.45838	0.38722	0.31850	0.25232	0.18878	0.12797	0.07003	0.01510	-0.03666	-0.08505
-0.08	0.53987	0.46364	0.38986	0.31860	0.24994	0.18397	0.12080	0.06054	0.00333	-0.05065	-0.10122
-0.06	0.54789	0.46890	0.39243	0.31855	0.24732	0.17885	0.11322	0.05056	-0.00902	-0.06534	-0.11821
-0.04	0.55599	0.47415	0.39491	0.31833	0.24448	0.17342	0.10526	0.04009	-0.02194	-0.08070	-0.13599
-0.02	0.56416	0.47941	0.39733	0.31797	0.24140	0.16769	0.09691	0.02916	-0.03543	-0.09673	-0.15455
0.00	0.57241	0.48466	0.39967	0.31747	0.23812	0.16167	0.08819	0.01778	-0.04946	-0.11340	-0.17388
0.02	0.57881	0.48807	0.40015	0.31509	0.23293	0.15372	0.07751	0.00440	-0.06554	-0.13218	-0.19537
0.04	0.58146	0.48777	0.39697	0.30909	0.22416	0.14221	0.06329	-0.01252	-0.08515	-0.15450	-0.22045
0.06	0.58035	0.48377	0.39015	0.29949	0.21181	0.12715	0.04555	-0.03295	-0.10828	-0.18035	-0.24906
0.08	0.57550	0.47609	0.37968	0.28629	0.19591	0.10857	0.02430	-0.05687	-0.13488	-0.20967	-0.28116
0.10	0.56692	0.46472	0.36559	0.26951	0.17647	0.08649	-0.00042	-0.08423	-0.16492	-0.24243	-0.31670
0.12	0.55461	0.44970	0.34789	0.24917	0.15352	0.06093	-0.02859	-0.11503	-0.19836	-0.27857	-0.35562
0.14	0.53859	0.43103	0.32661	0.22529	0.12707	0.03191	-0.06018	-0.14921	-0.23517	-0.31806	-0.39787
0.16	0.51888	0.40873	0.30175	0.19790	0.09715	-0.00053	-0.09515	-0.18674	-0.27530	-0.36085	-0.44338
0.18	0.49549	0.38281	0.27333	0.16700	0.06378	-0.03638	-0.13349	-0.22759	-0.31871	-0.40687	-0.49211
0.20	0.46843	0.35330	0.24138	0.13263	0.02698	-0.07559	-0.17515	-0.27173	-0.36536	-0.45610	-0.54398
0.22	0.43773	0.32021	0.20592	0.09480	-0.01320	-0.11816	-0.22011	-0.31911	-0.41521	-0.50847	-0.51154
0.24	0.40340	0.28356	0.16696	0.05355	-0.05676	-0.16403	-0.26832	-0.36969	-0.46821	-0.47651	-0.48051
0.26	0.36546	0.24337	0.12454	0.00888	-0.10367	-0.21319	-0.31976	-0.42345	-0.43687	-0.44593	-0.45083
0.28	0.32394	0.19967	0.07867	-0.03916	-0.15389	-0.26561	-0.37440	-0.39286	-0.40688	-0.41667	-0.42245
0.30	0.27884	0.15248	0.02938	-0.09055	-0.20740	-0.32125	-0.34469	-0.36360	-0.37820	-0.38869	-0.39530
0.32	0.23020	0.10181	-0.02332	-0.14528	-0.26417	-0.29256	-0.31630	-0.33563	-0.35077	-0.36193	-0.36933
0.34	0.17803	0.04769	-0.07939	-0.20331	-0.23662	-0.26517	-0.28919	-0.30891	-0.32456	-0.33635	-0.34450
0.36	0.12235	-0.00986	-0.13881	-0.17704	-0.21036	-0.23903	-0.26330	-0.28338	-0.29951	-0.31190	-0.32076
0.38	0.06319	-0.07081	-0.11395	-0.15203	-0.18534	-0.21411	-0.23859	-0.25901	-0.27558	-0.28853	-0.29806
0.40	0.00057	-0.04749	-0.09034	-0.12826	-0.16152	-0.19037	-0.21504	-0.23576	-0.25274	-0.26620	-0.27635
0.42	0.02219	-0.02542	-0.06795	-0.10568	-0.13887	-0.16777	-0.19260	-0.21358	-0.23094	-0.24488	-0.25561
0.44	0.04258	-0.00456	-0.04675	-0.08426	-0.11735	-0.14626	-0.17122	-0.19244	-0.21013	-0.22451	-0.23579
0.46	0.06177	0.01513	-0.02669	-0.06396	-0.09693	-0.12582	-0.15087	-0.17230	-0.19030	-0.20508	-0.21685
0.48	0.07981	0.03369	-0.00774	-0.04474	-0.07755	-0.10641	-0.13153	-0.15312	-0.17139	-0.18654	-0.19876
0.50	0.09673	0.05116	0.01015	-0.02655	-0.05919	-0.08798	-0.11314	-0.13487	-0.15337	-0.16885	-0.18149
0.52	0.11257	0.06757	0.02701	-0.00938	-0.04181	-0.07050	-0.09567	-0.11751	-0.13622	-0.15199	-0.16501
0.54	0.12738	0.08297	0.04287	0.00683	-0.02538	-0.05395	-0.07910	-0.10102	-0.11990	-0.13593	-0.14928
0.56	0.14118	0.09739	0.05777	0.02209	-0.00985	-0.03828	-0.06338	-0.08535	-0.10437	-0.12062	-0.13429
0.58	0.15402	0.11086	0.07175	0.03646	0.00479	-0.02346	-0.04849	-0.07048	-0.08961	-0.10606	-0.11999
0.60	0.16594	0.12343	0.08484	0.04996	0.01859	-0.00947	-0.03440	-0.05639	-0.07559	-0.09220	-0.10636
0.62	0.17696	0.13512	0.09708	0.06263	0.03158	0.00373	-0.02108	-0.04303	-0.06229	-0.07902	-0.09339
0.64	0.18714	0.14598	0.10850	0.07449	0.04378	0.01618	-0.00849	-0.03038	-0.04966	-0.06650	-0.08104
0.66	0.19649	0.15603	0.11913	0.08559	0.05523	0.02789	0.00339	-0.01842	-0.03770	-0.05461	-0.06929
0.68	0.20506	0.16531	0.12900	0.09594	0.06597	0.03890	0.01460	-0.00711	-0.02637	-0.04333	-0.05812
0.70	0.21289	0.17386	0.13815	0.10559	0.07601	0.04924	0.02514	0.00356	-0.01565	-0.03263	-0.04751
0.72	0.22000	0.18170	0.14661	0.11456	0.08538	0.05893	0.03506	0.01362	-0.00551	-0.02249	-0.03743
0.74	0.22643	0.18887	0.15441	0.12288	0.09412	0.06800	0.04438	0.02311	0.00406	-0.01289	-0.02788
0.76	0.23220	0.19540	0.16157	0.13057	0.10226	0.07648	0.05311	0.03203	0.01309	-0.00381	-0.01881
0.78	0.23736	0.20132	0.16813	0.13768	0.10980	0.08439	0.06130	0.04041	0.02161	0.00477	-0.01023
0.80	0.24194	0.20665	0.17412	0.14421	0.11680	0.09175	0.06895	0.04828	0.02962	0.01287	-0.00211
0.82	0.24595	0.21142	0.17955	0.15020	0.12325	0.09859	0.07610	0.05566	0.03716	0.02051	0.00558
0.84	0.24943	0.21567	0.18446	0.15568	0.12920	0.10493	0.08275	0.06256	0.04424	0.02770	0.01284
0.86	0.25242	0.21942	0.18887	0.16066	0.13467	0.11080	0.08895	0.06901	0.05088	0.03448	0.01969
0.88	0.25493	0.22270	0.19281	0.16517	0.13967	0.11621	0.09470	0.07502	0.05710	0.04084	0.02615
0.90	0.25699	0.22552	0.19631	0.16924	0.14424	0.12119	0.10002	0.08063	0.06292	0.04682	0.03223
0.92	0.25863	0.22792	0.19937	0.17289	0.14838	0.12576	0.10494	0.08583	0.06835	0.05242	0.03795
0.94	0.25987	0.22992	0.20204	0.17614	0.15213	0.12993	0.10947	0.09066	0.07341	0.05766	0.04333
0.96	0.26075	0.23155	0.20433	0.17900	0.15550	0.13373	0.11363	0.09512	0.07812	0.06257	0.04837
0.98	0.26127	0.23282	0.20625	0.18151	0.15851	0.13717	0.11744	0.09924	0.08250	0.06714	0.05310
1.00	0.26146	0.23375	0.20784	0.18367	0.16118	0.14028	0.12092	0.10303	0.08655	0.07140	0.05752

TABLE IV. - Concluded. DIMENSIONLESS AXIAL MAGNETIC FIELD OF SOLID FINITE CONE, $10\ B_z/\mu JL$, FOR FIELD POINT INCREMENTS OF 0.02

(e) Concluded. Half cone angle, 60.0.

Dimensionless axial position, η	Dimensionless radius, ρ										
	0.80	0.82	0.84	0.86	0.88	0.90	0.92	0.94	0.96	0.98	1.00
-0.20	-0.01616	-0.05216	-0.08480	-0.11388	-0.13917	-0.16046	-0.17756	-0.19034	-0.19881	-0.20313	-0.20372
-0.18	-0.02838	-0.06591	-0.09995	-0.13028	-0.15662	-0.17872	-0.19631	-0.20921	-0.21733	-0.22083	-0.22016
-0.16	-0.04136	-0.08053	-0.11609	-0.14778	-0.17531	-0.19833	-0.21653	-0.22960	-0.23737	-0.23992	-0.23776
-0.14	-0.05513	-0.09604	-0.13325	-0.16645	-0.19530	-0.21941	-0.23835	-0.25169	-0.25912	-0.26060	-0.25667
-0.12	-0.06969	-0.11247	-0.15146	-0.18632	-0.21667	-0.24204	-0.26192	-0.27570	-0.28284	-0.28312	-0.27705
-0.10	-0.08505	-0.12984	-0.17075	-0.20743	-0.23947	-0.26635	-0.28740	-0.30185	-0.30886	-0.30782	-0.29913
-0.08	-0.10123	-0.14815	-0.19114	-0.22983	-0.26378	-0.29240	-0.31494	-0.33041	-0.33756	-0.33518	-0.32322
-0.06	-0.11821	-0.16740	-0.21263	-0.25352	-0.28961	-0.32029	-0.34470	-0.36166	-0.36946	-0.36591	-0.34978
-0.04	-0.13599	-0.18759	-0.23521	-0.27850	-0.31699	-0.35004	-0.37677	-0.39584	-0.40514	-0.40112	-0.37956
-0.02	-0.15455	-0.20869	-0.25888	-0.30477	-0.34590	-0.38167	-0.41119	-0.43312	-0.44515	-0.44256	-0.41411
0.00	-0.17388	-0.23069	-0.28359	-0.33227	-0.37630	-0.41512	-0.44793	-0.47350	-0.48976	-0.49230	-0.46046
0.02	-0.19537	-0.25495	-0.31068	-0.36229	-0.40942	-0.45157	-0.48809	-0.51800	-0.53984	-0.55122	-0.46481
0.04	-0.22045	-0.28283	-0.34147	-0.39611	-0.44648	-0.49217	-0.53270	-0.56743	-0.59563	-0.52973	-0.45941
0.06	-0.24906	-0.31429	-0.37588	-0.43364	-0.48734	-0.53673	-0.58147	-0.62127	-0.56876	-0.51072	-0.45098
0.08	-0.28116	-0.34926	-0.41384	-0.47476	-0.53189	-0.58504	-0.63410	-0.59172	-0.54421	-0.49289	-0.44089
0.10	-0.31670	-0.38767	-0.45526	-0.51939	-0.57996	-0.63692	-0.60297	-0.56424	-0.52135	-0.47571	-0.42978
0.12	-0.35562	-0.42947	-0.50007	-0.56740	-0.63142	-0.60484	-0.57372	-0.53845	-0.49977	-0.45898	-0.41802
0.14	-0.39787	-0.47458	-0.54818	-0.61868	-0.59878	-0.57449	-0.54610	-0.51409	-0.47920	-0.44259	-0.40583
0.16	-0.44338	-0.52292	-0.59949	-0.58578	-0.56777	-0.54571	-0.51993	-0.49093	-0.45946	-0.42652	-0.39338
0.18	-0.49211	-0.57444	-0.56656	-0.55444	-0.53828	-0.51835	-0.49504	-0.46883	-0.44044	-0.41074	-0.38078
0.20	-0.54398	-0.54168	-0.53513	-0.52455	-0.51017	-0.49229	-0.47129	-0.44767	-0.42207	-0.39526	-0.36812
0.22	-0.51154	-0.51036	-0.50511	-0.49603	-0.48336	-0.46742	-0.44859	-0.42735	-0.40428	-0.38007	-0.35547
0.24	-0.48051	-0.48042	-0.47643	-0.46879	-0.45776	-0.44365	-0.42684	-0.40779	-0.38704	-0.36519	-0.34287
0.26	-0.45083	-0.45179	-0.44902	-0.44276	-0.43328	-0.42089	-0.40597	-0.38895	-0.37031	-0.35060	-0.33037
0.28	-0.42245	-0.42441	-0.42280	-0.41786	-0.40985	-0.39909	-0.38593	-0.37078	-0.35408	-0.33633	-0.31800
0.30	-0.39530	-0.39823	-0.39773	-0.39403	-0.38741	-0.37817	-0.36665	-0.35323	-0.33833	-0.32237	-0.30579
0.32	-0.36933	-0.37319	-0.37374	-0.37122	-0.36591	-0.35809	-0.34810	-0.33629	-0.32303	-0.30872	-0.29376
0.34	-0.34450	-0.34923	-0.35077	-0.34937	-0.34529	-0.33881	-0.33024	-0.31991	-0.30818	-0.29540	-0.28192
0.36	-0.32076	-0.32631	-0.32880	-0.32844	-0.32551	-0.32027	-0.31303	-0.30408	-0.29376	-0.28239	-0.27030
0.38	-0.29808	-0.30439	-0.30775	-0.30839	-0.30653	-0.30246	-0.29645	-0.28878	-0.27977	-0.26971	-0.25889
0.40	-0.27635	-0.28341	-0.28761	-0.28916	-0.28832	-0.28533	-0.28047	-0.27399	-0.26619	-0.25735	-0.24772
0.42	-0.25561	-0.26335	-0.26832	-0.27074	-0.27084	-0.26886	-0.26506	-0.25969	-0.25302	-0.24531	-0.23679
0.44	-0.23579	-0.24416	-0.24985	-0.25307	-0.25405	-0.25302	-0.25021	-0.24588	-0.24025	-0.23359	-0.22610
0.46	-0.21685	-0.22581	-0.23217	-0.23614	-0.23794	-0.23778	-0.23590	-0.23252	-0.22787	-0.22218	-0.21567
0.48	-0.19876	-0.20827	-0.21525	-0.21991	-0.22247	-0.22313	-0.22211	-0.21962	-0.21588	-0.21110	-0.20548
0.50	-0.18149	-0.19150	-0.19905	-0.20436	-0.20762	-0.20904	-0.20882	-0.20715	-0.20426	-0.20033	-0.19555
0.52	-0.16501	-0.17547	-0.18356	-0.18946	-0.19337	-0.19549	-0.19601	-0.19512	-0.19301	-0.18987	-0.18588
0.54	-0.14928	-0.16016	-0.16873	-0.17518	-0.17970	-0.18247	-0.18367	-0.18350	-0.18212	-0.17972	-0.17646
0.56	-0.13429	-0.14554	-0.15455	-0.16151	-0.16658	-0.16996	-0.17180	-0.17228	-0.17159	-0.16987	-0.16730
0.58	-0.11999	-0.13158	-0.14100	-0.14842	-0.15400	-0.15793	-0.16036	-0.16146	-0.16140	-0.16033	-0.15840
0.60	-0.10636	-0.11826	-0.12804	-0.13588	-0.14194	-0.14638	-0.14936	-0.15103	-0.15156	-0.15108	-0.14974
0.62	-0.09339	-0.10555	-0.11567	-0.12389	-0.13038	-0.13529	-0.13877	-0.14097	-0.14204	-0.14212	-0.14134
0.64	-0.08104	-0.09344	-0.10385	-0.11242	-0.11930	-0.12464	-0.12859	-0.13128	-0.13286	-0.13345	-0.13320
0.66	-0.06929	-0.08189	-0.09257	-0.10145	-0.10869	-0.11443	-0.11880	-0.12194	-0.12399	-0.12507	-0.12530
0.68	-0.05812	-0.07090	-0.08180	-0.09097	-0.09853	-0.10463	-0.10940	-0.11296	-0.11544	-0.11696	-0.11764
0.70	-0.04751	-0.06044	-0.07154	-0.08096	-0.08881	-0.09524	-0.10036	-0.10431	-0.10719	-0.10912	-0.11022
0.72	-0.03743	-0.05048	-0.06176	-0.07140	-0.07952	-0.08624	-0.09169	-0.09599	-0.09924	-0.10156	-0.10305
0.74	-0.02788	-0.04102	-0.05245	-0.06227	-0.07063	-0.07762	-0.08337	-0.08799	-0.09158	-0.09425	-0.09611
0.76	-0.01881	-0.03203	-0.04358	-0.05357	-0.06213	-0.06937	-0.07539	-0.08030	-0.08420	-0.08720	-0.08940
0.78	-0.01023	-0.02349	-0.03514	-0.04528	-0.05402	-0.06147	-0.06773	-0.07291	-0.07711	-0.08041	-0.08291
0.80	-0.00211	-0.01540	-0.02712	-0.03738	-0.04628	-0.05392	-0.06040	-0.06582	-0.07028	-0.07386	-0.07665
0.82	0.00558	-0.00772	-0.01950	-0.02986	-0.03889	-0.04670	-0.05338	-0.05902	-0.06372	-0.06755	-0.07061
0.84	0.01284	-0.00045	-0.01227	-0.02270	-0.03185	-0.03981	-0.04666	-0.05250	-0.05741	-0.06148	-0.06478
0.86	0.01969	0.00642	-0.00541	-0.01590	-0.02514	-0.03322	-0.04023	-0.04625	-0.05136	-0.05564	-0.05917
0.88	0.02615	0.01293	0.00110	-0.00944	-0.01875	-0.02694	-0.03408	-0.04026	-0.04555	-0.05002	-0.05375
0.90	0.03223	0.01907	0.00725	-0.00330	-0.01268	-0.02095	-0.02821	-0.03453	-0.03997	-0.04462	-0.04854
0.92	0.03795	0.02487	0.01308	0.00252	-0.00690	-0.01525	-0.02261	-0.02904	-0.03463	-0.03944	-0.04353
0.94	0.04333	0.03033	0.01859	0.00803	-0.00141	-0.00982	-0.01726	-0.02380	-0.02951	-0.03446	-0.03871
0.96	0.04837	0.03547	0.02379	0.01326	0.00380	-0.00465	-0.01215	-0.01879	-0.02461	-0.02968	-0.03407
0.98	0.05310	0.04031	0.02870	0.01820	0.00874	0.00027	-0.00729	-0.01400	-0.01992	-0.02511	-0.02962
1.00	0.05752	0.04485	0.03332	0.02287	0.01343	0.00494	-0.00266	-0.00943	-0.01543	-0.02072	-0.02534