$$j = \frac{I}{A} = \frac{I}{\gamma a^2}$$

Flux lakege
$$Q = S \frac{40.TS}{2\pi a^2} dS = \frac{46T}{2\pi a^2} \left[\frac{S^2}{2} \right]^2 = \frac{46T}{4\pi}$$

$$4a = 0 = 4$$

$$B \cdot 2\pi s = M_0 \left(I \left[\frac{c^2 s^2}{c^2 - b^2} \right] \right) \rightarrow B = M_0 I \left[\frac{c^2 - s^2}{c^2 - b^2} \right]$$

$$\frac{Q_{b}}{b} \begin{cases} B \cdot \delta s = \int \frac{4_{0} \pm}{4_{0} \pm} \left[\frac{c^{2} - b^{2}}{c^{2} - b^{2}} \right] ds = \frac{4_{0} \pm}{2\pi (c^{2} - b^{2})} \left[e^{2} \ln \left(\frac{c}{b} \right) - \left(\frac{c^{2} - b^{2}}{2} \right) \right] \\
= 4_{0} \pm \int \left(\frac{c^{2}}{b^{2}} \right) ds = \frac{4_{0} \pm}{2\pi (c^{2} - b^{2})} \left[e^{2} \ln \left(\frac{c}{b} \right) - \left(\frac{c^{2} - b^{2}}{2} \right) \right]$$

=
$$\frac{4.5}{2\pi(c^2-b^2)}\left(c^2h\left(\frac{c}{b}\right)\right) + \frac{4.5}{4\pi}$$

= $\frac{4.5}{4\pi}$

$$\int_{A}^{2} \frac{T}{\pi} \left((b+s)^{2} - b^{2} \right) = \frac{T}{\pi} \left(2bs + \delta^{2} \right) = \frac{T}{2\pi b \delta} \left((1+\frac{5}{2}b) \right)$$

$$\int_{A}^{2} \frac{T}{\pi} \left((b+s)^{2} - b^{2} \right) = \frac{T}{2\pi b \delta} \left((1+\frac{5}{2}b) \right)$$

$$\int_{A}^{2} \frac{T}{\pi} \left((b+s)^{2} - s^{2} \right)$$

$$\int_{A}^{2} \frac{T}{$$

$$\phi = \int_{a}^{b} \frac{h_{o}T}{2\pi s} ds = \frac{\mu_{o}T}{2\pi} \left[\ln(s) \right]_{a}^{b} = \frac{\mu_{o}T}{2\pi} \ln(b/a)$$

$$\frac{L}{L} = \frac{405}{2\pi a L} = \frac{405}{A}$$
 where $A = area of planes$