$$\overline{B} = \frac{\mu_0 \overline{1} \gamma^3}{2 (\gamma^2 + \overline{2})^2}$$

$$dB = \frac{\mu_0 d \left[ \gamma^3 \right]}{2 \left( \gamma^2 + \frac{1}{2} \right)^2}$$

$$dT = \frac{dQ}{dt} = \frac{\sigma r dr d\varphi}{dt} = \sigma \omega r dr$$

$$JB = \frac{\mu_0 \sigma \omega}{2} \cdot \frac{r^3 Jr}{\sqrt{r^2 + z^3}}$$

$$\overline{B} = \frac{\mu_0 \sigma \omega}{2} \left\{ \frac{\gamma^3 d\gamma}{\sqrt{r^2 + z^3}} = \begin{cases} \gamma = z \tan \theta \\ dr = z \sec^2 \theta d\theta \end{cases} = \frac{\mu_0 \sigma \omega}{2} \left\{ \frac{z^3 \tan^3 \theta}{\sqrt{r^2 + z^3}} \right\} = \frac{\mu_0 \sigma \omega}{2}$$

$$= \frac{\mu_{3} \delta \omega_{2}}{2} \left( \frac{\tan^{3} \theta}{\sec \theta} d\theta = \frac{\mu_{0} \delta \omega_{2}}{2} \right) \frac{\sin^{3} \theta}{\cos^{2} \theta} d\theta = \frac{\mu_{3} \delta \omega_{2}}{2} \left( \frac{\sin \theta}{\cos^{3} \theta} - \sin \theta d\theta = \frac{\mu_{3} \delta \omega_{2}}{2} \right) \frac{\sin \theta}{\cos^{3} \theta} - \sin \theta d\theta = \frac{\mu_{3} \delta \omega_{2}}{2} \left( \frac{\sin \theta}{\cos^{3} \theta} - \sin \theta d\theta = \frac{\mu_{3} \delta \omega_{2}}{2} \right) \frac{\sin \theta}{\cos^{3} \theta} = \frac{\mu_{3} \delta \omega_{2}}{2} \left( \frac{\sin \theta}{\cos^{3} \theta} - \sin \theta d\theta = \frac{\mu_{3} \delta \omega_{2}}{2} \right) \frac{\sin \theta}{\cos^{3} \theta} = \frac{\mu_{3} \delta \omega_{2}}{2} \left( \frac{\sin \theta}{\cos^{3} \theta} - \sin \theta d\theta = \frac{\mu_{3} \delta \omega_{2}}{2} \right) \frac{\sin \theta}{\cos^{3} \theta} = \frac{\mu_{3} \delta \omega_{2}}{2} \left( \frac{\sin \theta}{\cos^{3} \theta} - \sin \theta d\theta = \frac{\mu_{3} \delta \omega_{2}}{2} \right) \frac{\sin \theta}{\cos^{3} \theta} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\cos^{3} \theta} - \frac{\sin \theta}{\cos^{3} \theta} \right) \frac{\sin \theta}{\cos^{3} \theta} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\cos^{3} \theta} - \frac{\sin \theta}{\cos^{3} \theta} \right) \frac{\sin \theta}{\cos^{3} \theta} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\cos^{3} \theta} - \frac{\sin \theta}{\cos^{3} \theta} \right) \frac{\sin \theta}{\cos^{3} \theta} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\partial \phi} - \frac{\sin \theta}{\partial \phi} \right) \frac{\sin \theta}{\partial \phi} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\partial \phi} - \frac{\sin \theta}{\partial \phi} \right) \frac{\sin \theta}{\partial \phi} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\partial \phi} - \frac{\sin \theta}{\partial \phi} \right) \frac{\sin \theta}{\partial \phi} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\partial \phi} - \frac{\sin \theta}{\partial \phi} \right) \frac{\sin \theta}{\partial \phi} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\partial \phi} - \frac{\sin \theta}{\partial \phi} \right) \frac{\sin \theta}{\partial \phi} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\partial \phi} - \frac{\sin \theta}{\partial \phi} \right) \frac{\sin \theta}{\partial \phi} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\partial \phi} - \frac{\sin \theta}{\partial \phi} \right) \frac{\sin \theta}{\partial \phi} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\partial \phi} - \frac{\sin \theta}{\partial \phi} \right) \frac{\sin \theta}{\partial \phi} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\partial \phi} - \frac{\sin \theta}{\partial \phi} \right) \frac{\sin \theta}{\partial \phi} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\partial \phi} - \frac{\sin \theta}{\partial \phi} \right) \frac{\sin \theta}{\partial \phi} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\partial \phi} - \frac{\sin \theta}{\partial \phi} \right) \frac{\sin \theta}{\partial \phi} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\partial \phi} - \frac{\sin \theta}{\partial \phi} \right) \frac{\sin \theta}{\partial \phi} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\partial \phi} - \frac{\sin \theta}{\partial \phi} \right) \frac{\sin \theta}{\partial \phi} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\partial \phi} - \frac{\sin \theta}{\partial \phi} \right) \frac{\sin \theta}{\partial \phi} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\partial \phi} - \frac{\sin \theta}{\partial \phi} \right) \frac{\sin \theta}{\partial \phi} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\partial \phi} - \frac{\sin \theta}{\partial \phi} \right) \frac{\sin \theta}{\partial \phi} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\partial \phi} - \frac{\sin \theta}{\partial \phi} \right) \frac{\sin \theta}{\partial \phi} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\partial \phi} - \frac{\sin \theta}{\partial \phi} \right) \frac{\sin \theta}{\partial \phi} = \frac{\mu_{3} \delta \omega_{3}}{2} \left( \frac{\sin \theta}{\partial \phi} - \frac{\sin \theta}{\partial \phi} \right) \frac{\sin \theta}{\partial \phi}$$

$$=\frac{\mu_0 \sigma \omega^2}{2} \left( \sec \theta + \cos \theta \right) \begin{vmatrix} \theta_1 \\ = \\ \cos \theta = \frac{2}{\sqrt{1+z^2}} \end{vmatrix} = \frac{\mu_0 \sigma \omega}{2} \left( \sqrt{R_1^2 + z^2} + \frac{z^2}{\sqrt{R_1^2 + z^2}} - \sqrt{R_2^2 + z^2} - \frac{z^2}{\sqrt{R_2^2 + z^2}} \right) =$$

$$= \frac{M_0 \sigma \omega}{2} \left( \frac{R_1^2 + 2z^2}{R_2^2 + z^2} - \frac{R_2^2 + 2z^2}{R_2^2 + z^2} \right) \ell_2$$