$$\frac{1}{2}$$

$$dB = \frac{\mu_0 I}{4\pi i} \frac{J(x \tau)}{v^3}$$

$$I = d \sec^2 \varphi \ \hat{e} y \ d\varphi = \begin{bmatrix} 0 \\ d \sec^2 \varphi \end{bmatrix} d\varphi$$

$$\bar{l} = d \tan \varphi \ \hat{e} y$$

$$\overline{B} = \frac{M_{\nu} I}{4 \sqrt{3}} \int_{\sqrt{d^2 + \tan^2 \rho J^2}}^{\sqrt{d^2 + \tan^2 \rho J^2}} = \frac{M_{\nu} I}{4 \sqrt{3} d} \int_{-\infty}^{\infty} \cos \rho \, d\rho = \frac{M_{\nu} I}{4 \sqrt{3} d} \left( \sin \beta + \sin d \right) \, \overline{\theta}_{2} = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{4 \sqrt{3} d} \left( \sin \beta + \sin d \right) \, \overline{\theta}_{2} = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{4 \sqrt{3} d} \left( \sin \beta + \sin d \right) \, \overline{\theta}_{2} = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{4 \sqrt{3} d} \left( \sin \beta + \sin d \right) \, \overline{\theta}_{2} = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d \cos \rho} \int_{-\infty}^{\infty} d\rho \, d\rho = \frac{M_{\nu} I}{d$$

$$= \frac{M_0 I}{4\pi J} \left( \frac{JB}{J^2 + J^2} - \frac{Jd}{J^2 + J^2} \right) = \begin{cases} JB J = a \\ Jd + a = JB \end{cases} = \frac{M_0 I}{4\pi J} \left( \frac{J^2 + \Delta}{J^2 + J^2} - \frac{J}{J^2 + J^2} \right) \hat{\ell}_z = \bar{B}(y) \hat{\ell}_z$$

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$$= \frac{M_0 I}{J^2 + J^2} \left( \frac{J^2 + \Delta}{J^2 + J^2} - \frac{J}{J^2 + J^2} \right) \hat{\ell}_z = \bar{B}(y) \hat{\ell}_z$$

$$dF = I \cdot Jy + B$$

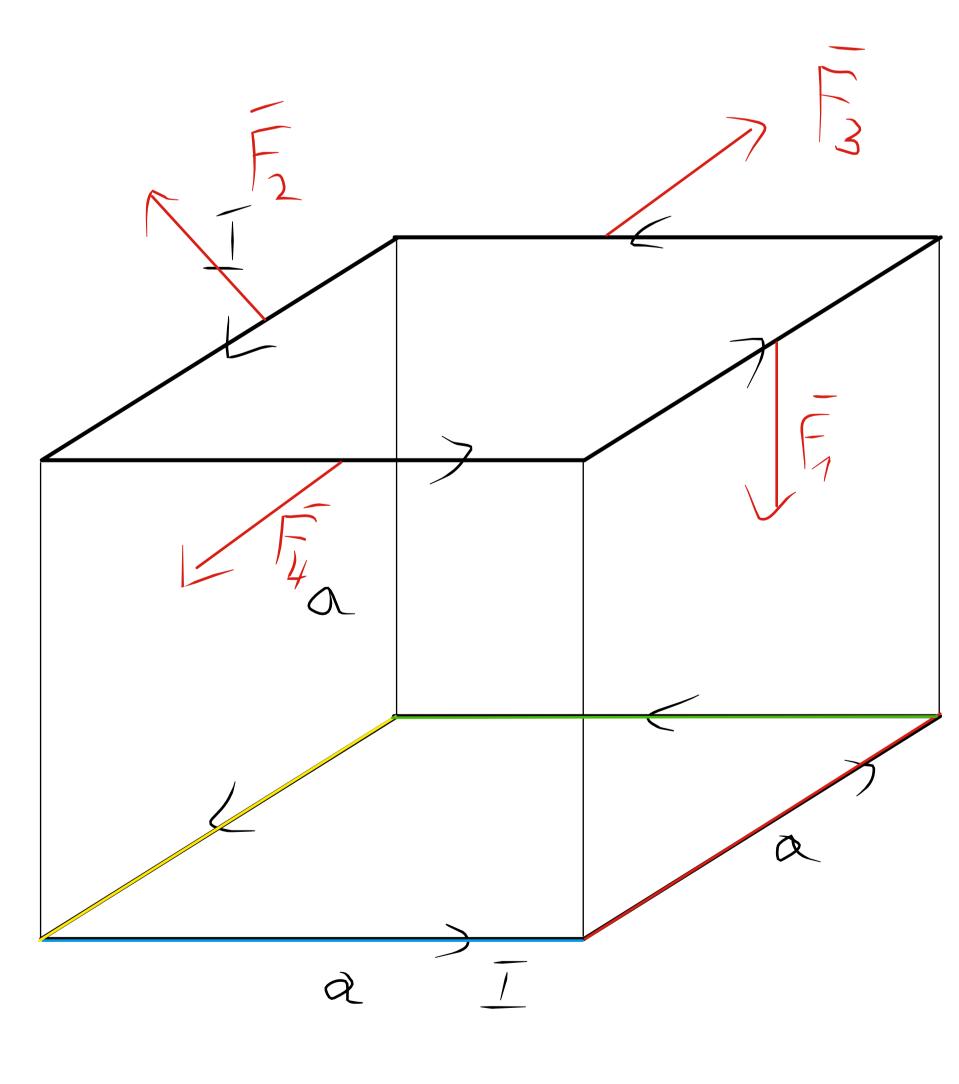
$$dF = I \cdot Jy B(y) \cdot \hat{e}_{y} \times e_{z} = I \cdot Jy B(y) \cdot \hat{e}_{x}$$

$$F = \frac{\mu_0 + \hat{\varrho}_x}{4\pi i} \int \frac{d^2 + (y + \alpha)^2}{d^2 + (y + \alpha)^2} - \frac{y}{\sqrt{d^2 + y^2}} dy = \begin{cases} u = d^2 + (y + \alpha)^2 & + = d^2 + y^2 \\ \frac{du}{d} = (y + \alpha) dy & \frac{dt}{d} = y dy \\ -\alpha \Rightarrow d^2 = 0 \Rightarrow d^2 + \alpha^2 = 0 \Rightarrow d^2 + \alpha^2 = 0 \Rightarrow d^2 \end{cases}$$

$$=\frac{\mu_0 \int_{-8\pi/d}^{2} \frac{d^2 + a^2}{\sqrt{\pi}} \int_{-4\pi/d}^{2} \frac{d^2 + a^$$

$$= \frac{M \circ I^{2} \hat{e}_{\chi}}{2 \cdot \sqrt{3}} \cdot \frac{a^{2}}{\sqrt{3^{2} + a^{2} + d}} \xrightarrow{a \rightarrow d} \frac{M \circ I^{2}}{2 \cdot \sqrt{3}} \xrightarrow{\text{csyli jak dla}} \frac{\text{csyli jak dla}}{\text{dnoch nieskvii conych}}$$

$$F(u) = \frac{M \circ I^{2} \hat{e}_{\chi}}{2 \cdot \sqrt{3}} \cdot \frac{a^{2}}{\sqrt{3^{2} + a^{2} + d}} \xrightarrow{a^{2}} \frac{\text{pretion, viec sie 2 godza}}{\sqrt{3^{2} + a^{2} + d}}$$



$$\overline{F} = \frac{\mu_0 \overline{I}^2}{2 \overline{\sigma} \overline{I}} \left[ 0; \frac{7 - \sqrt{3}}{2}; \frac{\sqrt{3} + 7}{2} - \sqrt{2} \right]$$

$$F_{c} = \frac{\mu_{0}I^{2}}{2^{3}I} \left[ \frac{7+\sqrt{3}}{2}, 0 \right] \frac{\sqrt{3}+7}{2} - \sqrt{2}$$

$$F = \frac{M_0 I^2}{2 \pi I} \left[ 0; \frac{-7 + \sqrt{3}}{2}; \frac{\sqrt{3} + 7}{2} - \sqrt{2} \right]$$

$$F = \frac{\mu_0 I^3}{2 \pi^2} \left[ \frac{7 - \sqrt{3}}{2} \right]$$

$$\overline{f}(\alpha) = \frac{M_0 I^2}{257\alpha} \frac{\alpha^2}{\sqrt{\alpha^2 + \alpha^2 + \alpha}} \frac{1}{257} \left(-\sqrt{1} + 7\right) \frac{1}{2} \frac{1}{257} \left(-\sqrt{1} + 7\right) \frac{1}{2}$$

$$\frac{1}{12} \left( \sqrt{12} \right) = \frac{\mu_0 I^2}{2 \sqrt{12}} \left( \sqrt{2 \alpha^2 + \alpha^2} - \alpha \right) \left[ 0; -\frac{\sqrt{2}}{2}; \frac{\sqrt{2}}{2} \right] = \frac{1}{12} \left[ \frac{1}{12} + \frac{1}{12} \right] = \frac{1}{12} \left[ \frac{1}{12} + \frac{1}{12} + \frac{1}{12} \right] = \frac{1}{12} \left[ \frac{1}{12} + \frac{1}{1$$

$$=\frac{\mu_0 I}{2\pi} \frac{\sqrt{3-1} I}{2} \left[ \frac{1}{2}, -\frac{1}{2} \right]$$

$$\overline{F} = \frac{M_0 I^2}{51} \left( \sqrt{3} + 1 - 2\sqrt{2} \right) \hat{e}_2$$