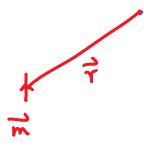
$$\ddot{a} = a \cdot \hat{z}$$

$$\nabla \cdot \vec{B} = 0$$

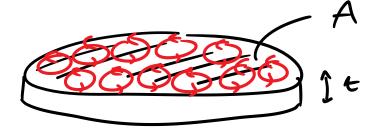
$$\nabla \cdot \vec{A} = 0$$



MA GNETI ZATION

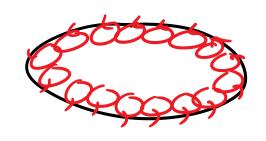
Bound Noture Gerrer Leasts

Bruse Sugan aurrer densts







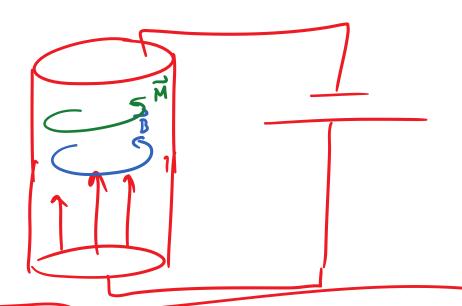


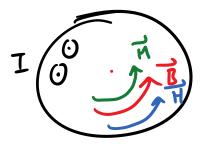
$$\nabla \times \left(\frac{\mathbb{F}}{\mathbb{F}^{n}} \right) = \vec{J} = \vec{J} + \nabla \times \vec{H}$$

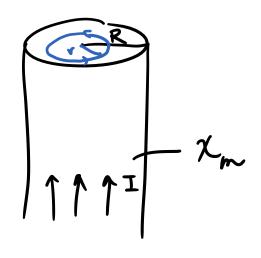
$$\nabla \times \left(\frac{1}{r_0} - \frac{1}{M} \right) = \frac{1}{3}$$

$$H = \frac{\pi}{r^{\circ}} - M$$

$$\sqrt{X}H=J_{f}$$







$$2\pi r. H = \frac{I}{\not = R^2} . \not = r^2$$

$$H = Ir \hat{\phi}$$

$$2 \times R^2$$

$$\vec{H} = \frac{\vec{L}}{2\pi r} \hat{\phi}$$

$$\vec{B} = \mu \vec{H} = \mu \vec{I} \cdot \hat{\phi}$$

$$= \mu_0 \vec{H} = \mu_0 \vec{I} \cdot \hat{\phi}$$

$$= \mu_0 \vec{H} = \mu_0 \vec{I} \cdot \hat{\phi}$$

$$= \gamma_0 \vec{H} = \mu_0 \vec{I} \cdot \hat{\phi}$$

$$= \gamma_0 \vec{H} = \mu_0 \vec{I} \cdot \hat{\phi}$$

$$\vec{M} = \chi_m \vec{H} = \chi_m \vec{I} \cdot \hat{\phi}$$
 rec
 $\vec{I} = \chi_m \vec{I} \cdot \hat{\phi}$ rec
 $\vec{I} = \chi_m \vec{I} \cdot \hat{\phi}$ rec

$$\vec{K}_{l} = \vec{M} \times \hat{n} \Big|_{r=R} = \frac{\chi_{m} I}{2\pi R^{2}} R(\hat{\varphi} \times \hat{r})$$

$$\vec{K}_{l} = -\chi_{m} I_{\hat{\varphi}}$$

$$J_{i} = \nabla \times M = \frac{\chi_{m} I}{\pi R^{2}}$$

