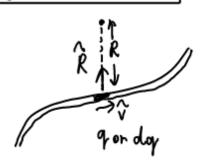
Magnetic Fields



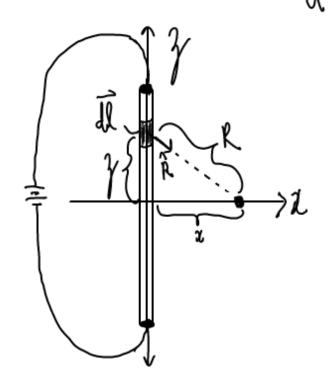
$$\overline{B} = \underbrace{4\pi}_{AT} \underbrace{4\overline{v} \times \hat{R}}_{R^2} \Rightarrow JB = \underbrace{4\pi}_{AT} \underbrace{J}_{AT} \times \hat{R}_{R^2}$$

$$d_{AV} = \underbrace{d_{AV}}_{AV} \cdot d_{AV}$$

$$d_{AV} = \underbrace{J}_{AV} \cdot d_{AV}$$

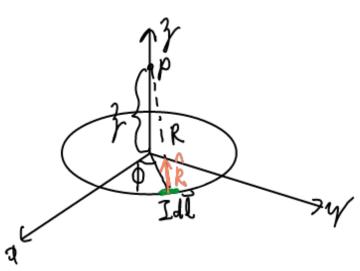
$$d_{AV} = \underbrace{J}_{AV} \cdot d_{AV}$$

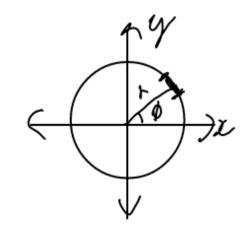
$$d_{AV} = \underbrace{J}_{AV} \cdot d_{AV}$$



$$\hat{R} = \frac{-2\hat{j} + 2\hat{k}}{\sqrt{\hat{j}^2 + 2\hat{k}}} \quad (3)$$

*Ill x ? will be in try direction *





$$Idl = Ird\phi \phi 0$$

$$\hat{R} = \frac{-r\hat{r} - \hat{r}^{2}}{\sqrt{r^{2} + \hat{r}^{2}}} 2$$

$$R = \sqrt{r^{2} + \hat{r}^{2}} 3$$