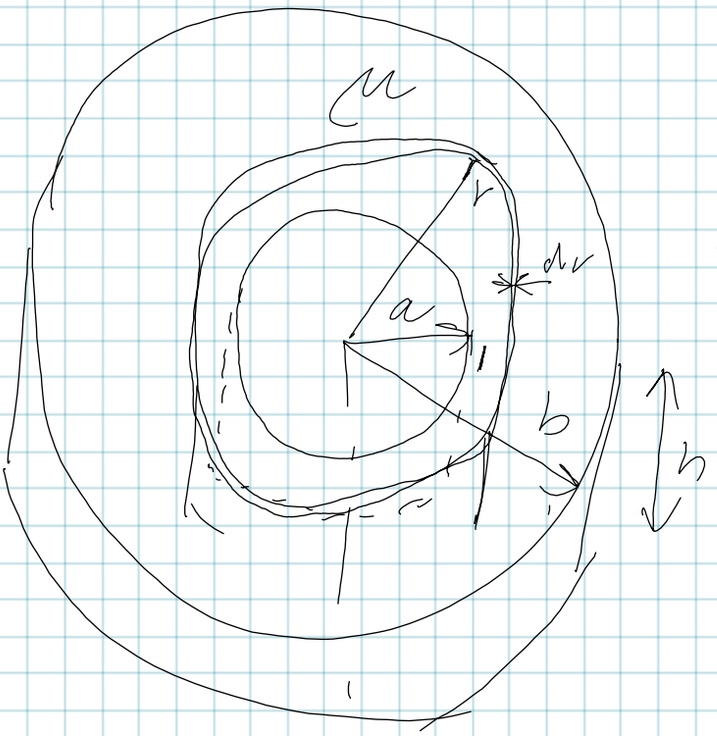
$\mu >> \mu_0$

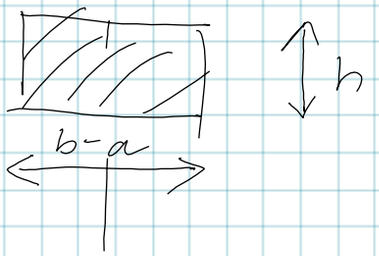


$$R_m' = \frac{1}{\mu} \frac{2\pi r}{h\, dr}$$

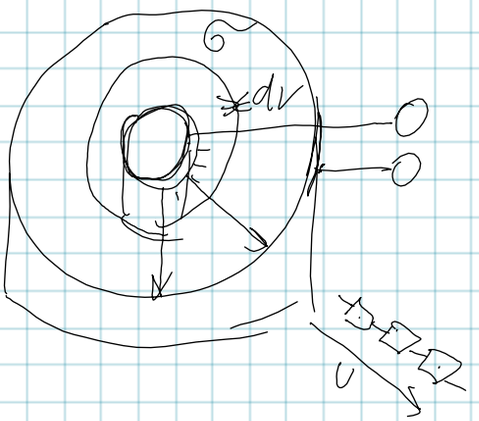
$$G_m' = \frac{1}{R_m'}$$

$$G_m = \int_a^b \frac{\mu h\, dr}{2\pi r}$$

$$= \frac{\mu h}{2\pi} \ln \frac{b}{a}$$



$$R_m = \frac{1}{G_m} = \frac{2\pi}{\mu h \ln \frac{b}{a}}$$



$$R' = \frac{dr}{2\pi r h \sigma}$$

$$R = \int_a^b \frac{dr}{2\pi r h} = \frac{1}{2\pi h \sigma} \ln \frac{b}{a}$$