Physics 114 - March 19, 2015

Exam 2 will cover: Problem set 3 (last two problems) through problem set 8 Workshops 3 through 7

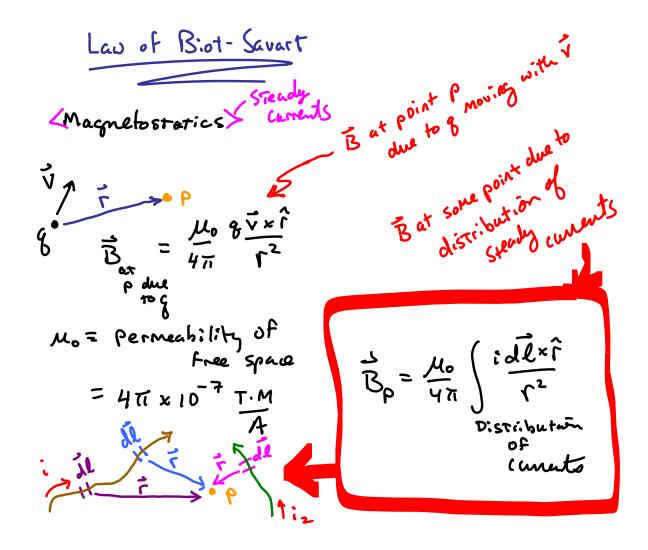
Lectures from Feb. 5 (start of potential) through March 5

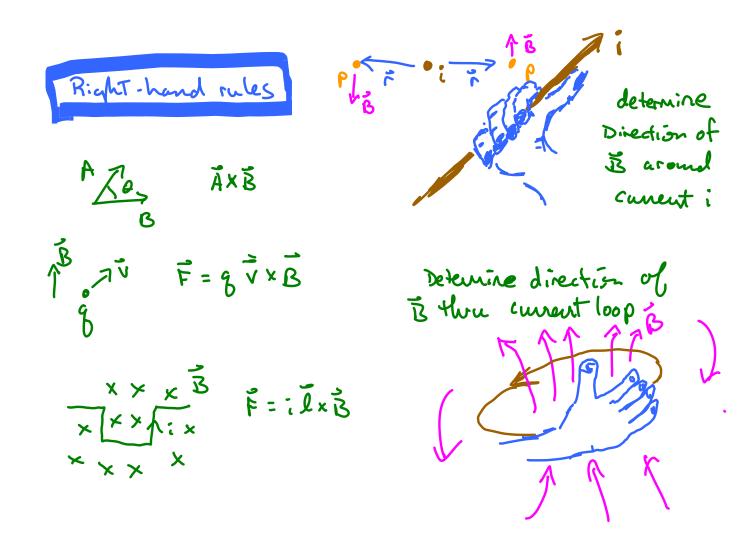
Text chapters 23 through 27

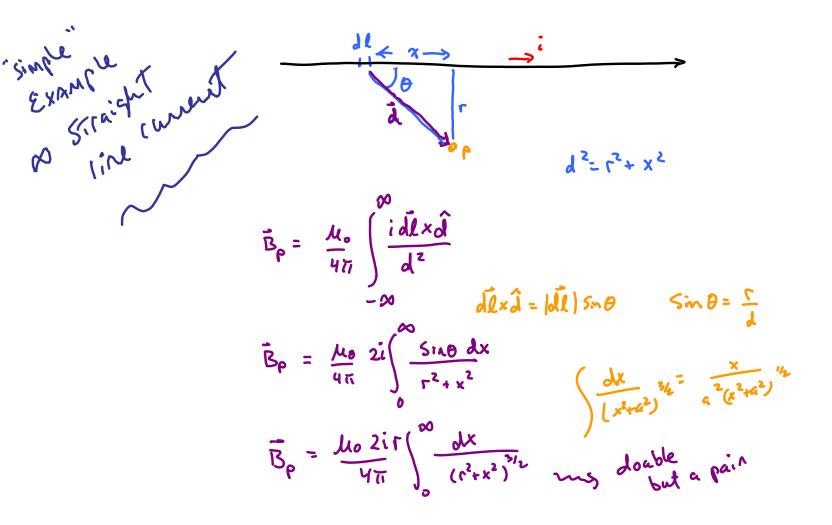
Exam 2 Cometh Tuesday, March 24

0800

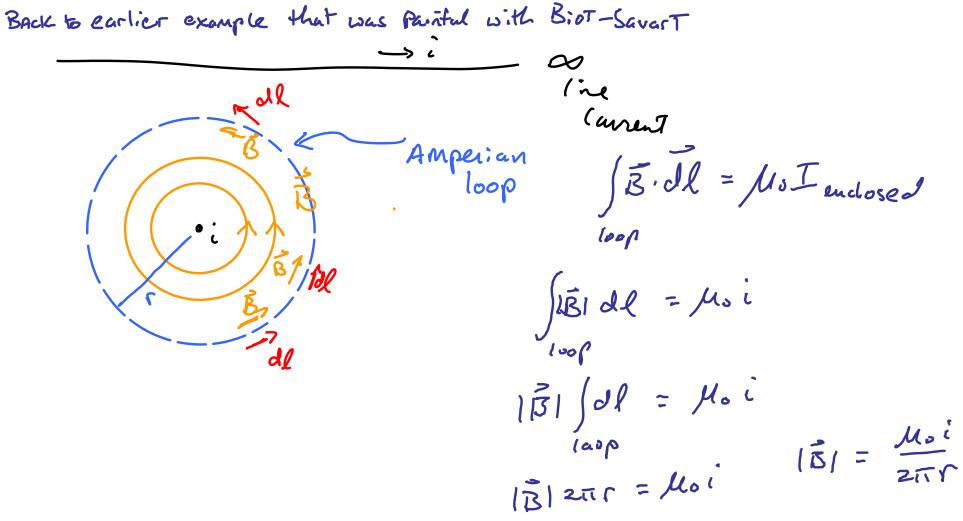
Lower Strong

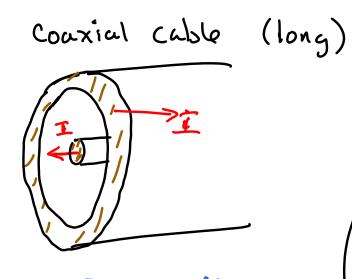




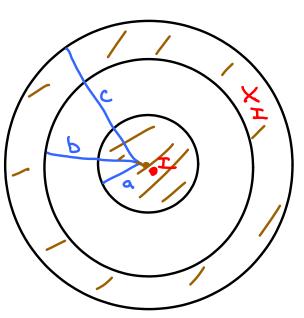


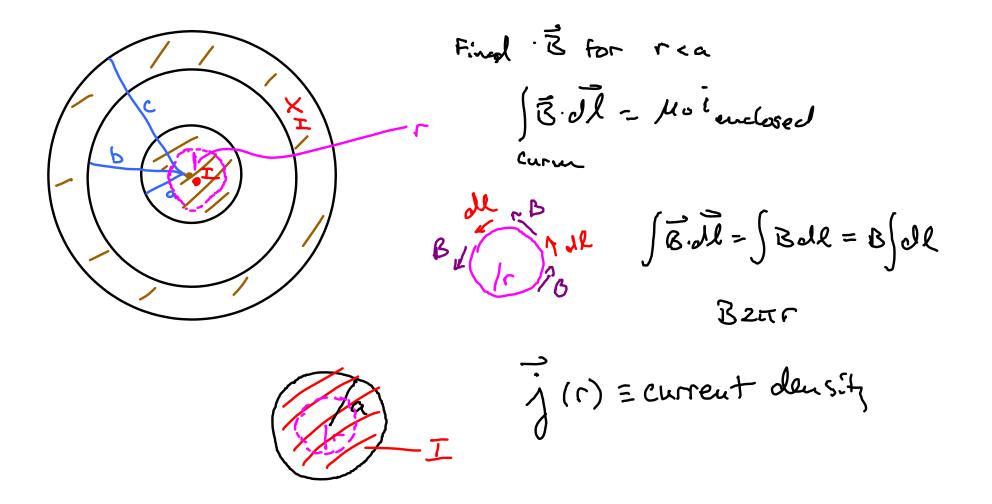
MagnebosTAt: CS Amperes Law (B.dl = Mo I enclosed Closed curve General Always de de de True Very use ful dl under certain Conditions of synmetry





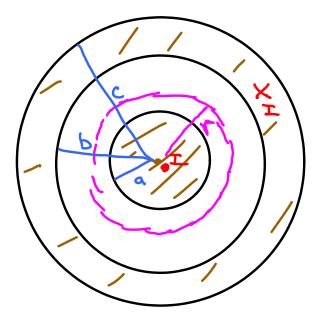
Assume I is uniform across both inner + Outer conductors. Find B in all space





$$j(r) = (arriver respective for the formula f$$

$$B_{aT} = A_{0}T = \frac{1}{1}a^{2} = \frac{1}{2.7}r = \frac{1}{20}T = \frac{1}{20}$$

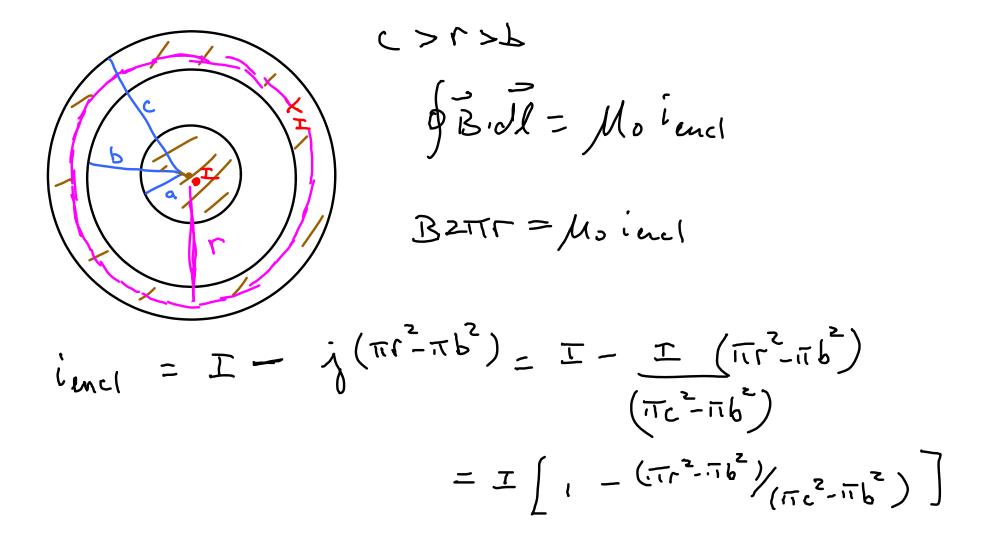


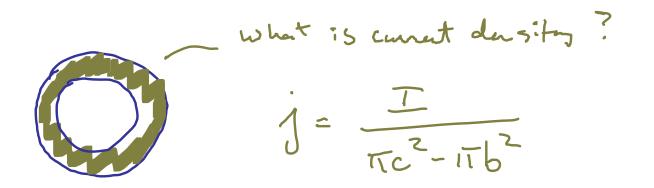
$$b \neq \Gamma > \alpha$$

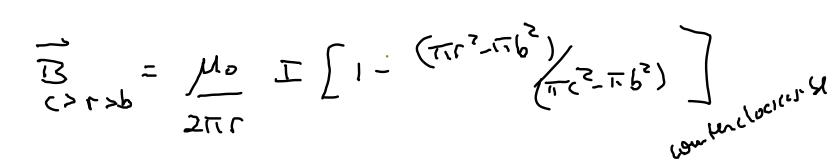
$$\int \vec{B} \cdot d\vec{l} = i_{end} M \cdot \theta$$

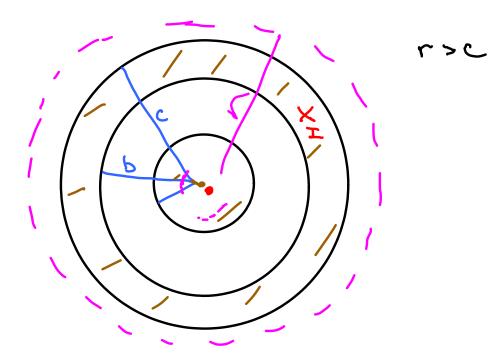
$$B \geq \pi \Gamma = I M \theta$$

$$\vec{B} = \frac{M \cdot I}{2\pi r} \quad counter clock \cdot J \cdot S^{2}$$









$$\int \overline{B} \cdot \overline{M} = \mu_0 i m i$$
$$B 2\pi r = \mu_0(0)$$
$$\overline{B} = 0$$