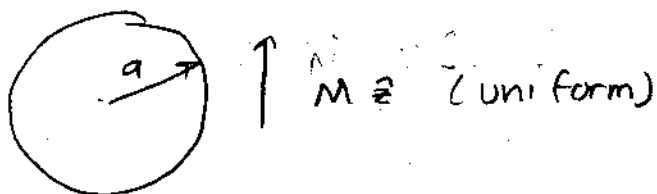


Fall 2004 #8



What is B , and H inside?

$$\vec{B} = \frac{2}{3} \mu_0 M \hat{z} \quad \text{see } \#12 \text{ S '03}$$

$$B = \mu_0 (H + M)$$

$$\frac{2}{3} \mu_0 M = \mu_0 H + \mu_0 M$$

$$\frac{2}{3} M - M = H$$

$$\vec{H} = -\frac{1}{3} M \hat{z}$$