(luestin ?

Er Sobodl => Bo= \$0.]. Mon.

Ele.

ML. We assume. hod length = L Motal = MU = MTLR2L

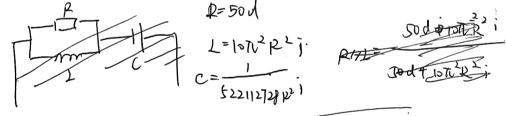
$$dB_{f} = \frac{M_{0} M \text{ Total}}{2 \text{ Tr} (x^{2} + \alpha^{2})^{\frac{1}{2}}} = \frac{M_{0} M_{0} \text{ Tr} (x^{2} + E^{2})^{\frac{1}{2}}}{2 \text{ Tr} (x^{2} + E^{2})^{\frac{1}{2}}} \qquad B_{f} = \int_{Z}^{Z+1} \frac{M_{0} M_{0} \text{ Tr} (x^{2} + E^{2})}{2 \text{ Tr} (x^{2} + E^{2})^{\frac{1}{2}}} dA$$

$$= 2 \text{ Toropho} L \frac{(Z+L)}{(Z+L)^{2}} - \frac{Z_{0}}{\sqrt{Z^{2} + Z^{2}}}.$$

Question 2.

$$t=0.134m$$
 $f=\frac{1}{2\pi\sqrt{L(...)}}$ => $c^2\frac{1}{(2\pi\sqrt{3^2L...}}=\frac{1.915}{R^2}mT$

6=50d+



$$L = \{oN^2 R^2\}.$$

$$C = \frac{1}{(oN^2 R^2)^2}$$

$$|C| = \frac{1}{522112724 \mu^{2}}$$
let's assume.
$$|Z| = \sqrt{R^{2} + (w_{2} - w_{1})^{2}}$$

$$= \sqrt{50 d^{2} + (2000 \pi^{2} d_{1}^{2}) - (83 \sqrt{6.82 k^{2}})} = 4.152.$$

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$$= 9.87 \times 10^{3}$$

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Hany; hei 37370 6123

Question 3.

$$\lambda$$
). $\lambda = \frac{\lambda}{\lambda}$

4).
$$\lambda = \frac{\lambda_0}{n}$$
 nair=1 => 1. Sin 88°= 3.8816-5100 => 0= 14.92°