PHY 112-550-02 Section-04

1D:19101077

Here,

N = 38 L = 11 cm = 0.11m = 0.11m h = 10 cm = 0.11m = 0.1m  $0 = 58^{\circ}$ 

i = 8 m A = 0.008 A

 $4) \mu = NiA$ = 3.344×10-3

 $Y = -\mu \sin 0 = -0.002671 m$  = 0.48 671 cm C48  $Y = \mu \cos 0 = 0.0026351 m$  = 0.26351 cm

(Ans)

$$= +0.02387 = +0.02403 + 0.03442$$

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$$= -(2.67\times10^{-3})(7.10^{-3})(7.10^{-3})$$

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$$= -3.4 \times 10^{-2}$$

$$A) B = \frac{M_o I}{2N}$$