P#35

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$I = 1.00 \times 10^4\ A$

$r = 100\ m$

$$B = \frac{\mu_0 \cdot I}{2\pi r} = \frac{(4\pi \times 10^{-7}\ Tm/A)(1.00 \times 10^4\ A)}{(2\pi \cdot 100\ m)}$$

$$\boxed{B = 2.0 \times 10^{-5}\ T}$$