

$$N = 100$$

$$r = 6.25 \times 10^{-2} \text{ m}$$

Magnetic field
time
varying current

$$0 \rightarrow 1 \quad \underline{0.2 \text{ inc}} \quad \leftarrow$$

$$\frac{\mu_0 N I}{e}$$

$$= \frac{4\pi \times 10^{-7} \times 100 \times 0.2}{6.25 \times 10^{-2}}$$

$$\mu_0 n I$$

Part
1

B	L
9.52	10
7.54	15
6.99	20
5.95	25

$$\mu_0 = \frac{m L}{n}$$