

$$dB = \underbrace{M_{T}}_{q_{T}} \underbrace{d\overline{l}x_{1}^{2}}_{ra} = \underbrace{M_{T}}_{d_{T}} \underbrace{(x_{1}^{2}+a^{2})}_{q_{T}^{2}+x_{2}^{2}} = \underbrace{B_{K}}_{d_{T}} \oplus O$$

$$dB_{L} = dB \text{ rose} = dB \underbrace{a}_{q_{T}^{2}+x_{2}^{2}} = \underbrace{B_{L}}_{d_{T}^{2}+x_{2}^{2}} = \underbrace{B_{L}}_{d_{T}^{2}+x_{2}^{2}} = O$$

$$B = \underbrace{B_{X}}_{d_{T}^{2}} = \underbrace{\int dB_{X}}_{d_{T}^{2}} = \underbrace{\frac{d}{d_{T}^{2}}}_{d_{T}^{2}} \underbrace{\int adI_{d_{T}^{2}}_{d_{T}^{2}+x_{2}^{2}} + \underbrace{B_{L}}_{d_{T}^{2}} = O$$

$$B \text{ for a circular box p} \underbrace{\underbrace{A_{L}^{2}}_{d_{L}^{2}+x_{2}^{2}} + \underbrace{B_{L}^{2}}_{d_{L}^{2}} = \underbrace{A_{L}^{2}}_{d_{L}^{2}+x_{2}^{2}} + \underbrace{A_{L}^{2}}_{d_{L}^{2$$

Can you identify a "north" and a "south" pole for a current loop?

Devise a rule by which you can use your right hand to identify the magnetic poles of the loop from your knowledge of the direction of the current.

