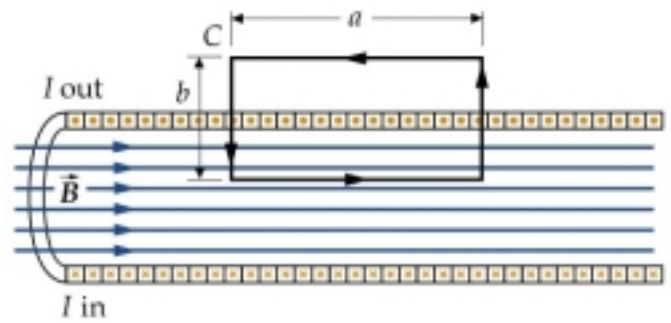


3. Camp del solenoide recte

Per punts interiors.

circulació:

$$\oint_C \vec{B} \cdot d\vec{l} = Ba$$



Llei d'Ampère:

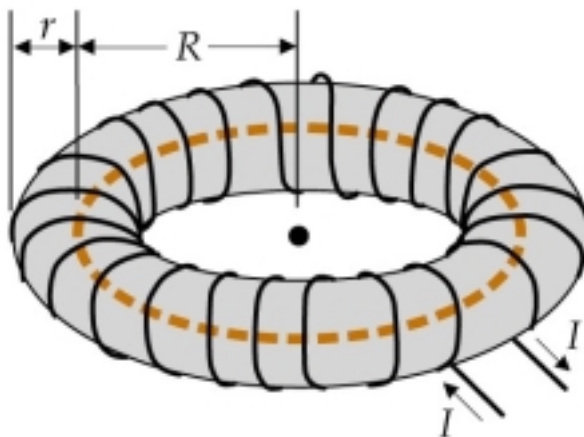
$$\oint_C \vec{B} \cdot d\vec{l} = \mu_0 \frac{N}{L} aI$$

$$B = \mu_0 \frac{N}{L} I$$

I als extrems:

$$B = \frac{1}{2} \mu_0 \frac{N}{L} I$$

4. Camp del solenoide toroidal



$$B = \frac{\mu_0 NI}{2\pi R}$$