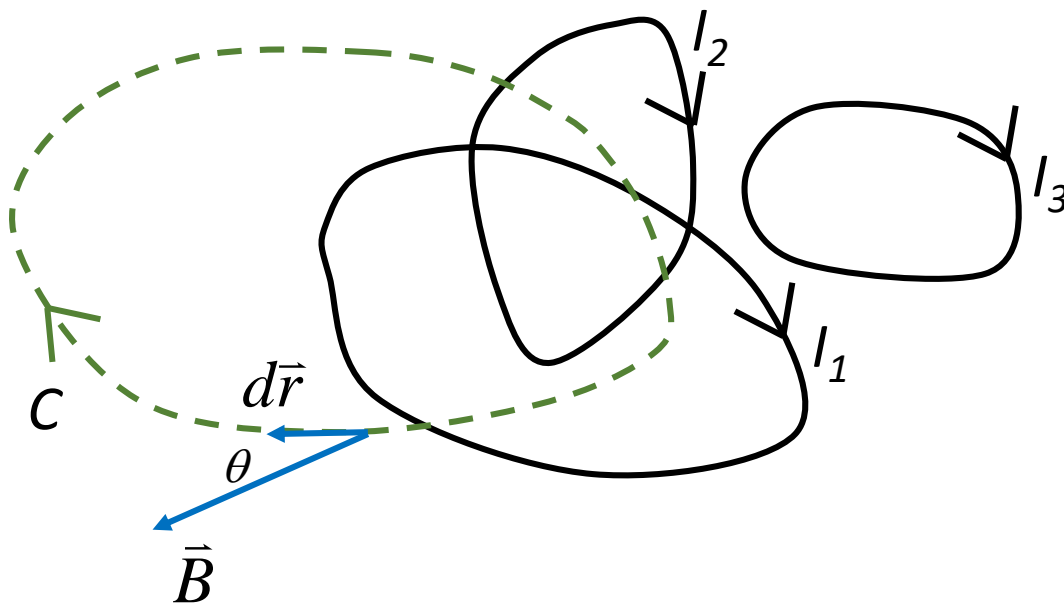


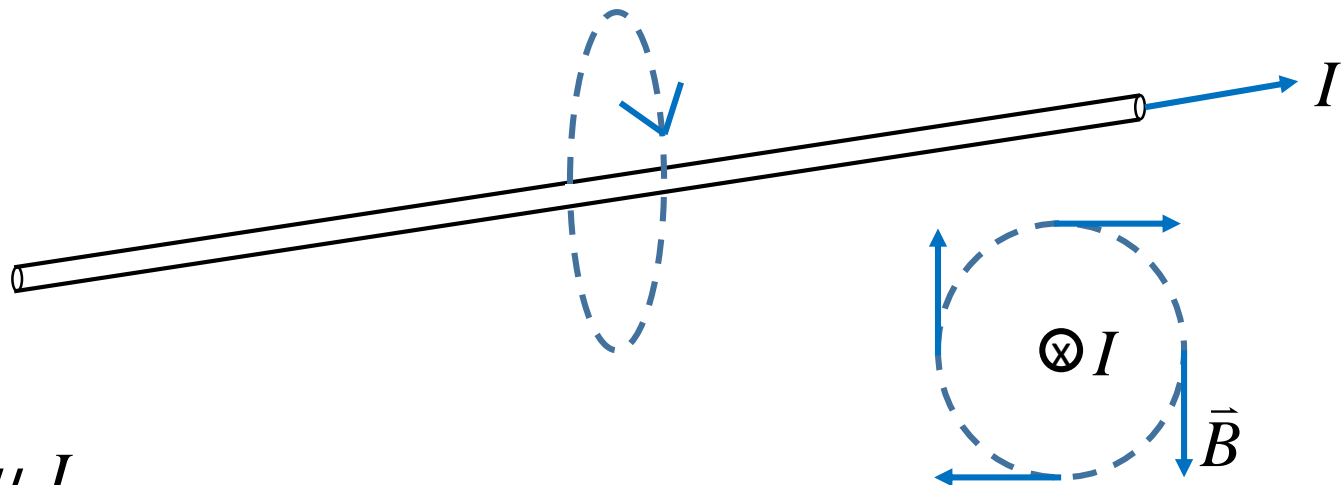
# Ampere-ov zakon



$$\oint_C \vec{B} d\vec{r} = \mu_0 \sum I_i$$

$$\oint_C B \cos \theta dr = I_1 + I_2$$

# Ampere-ov zakon

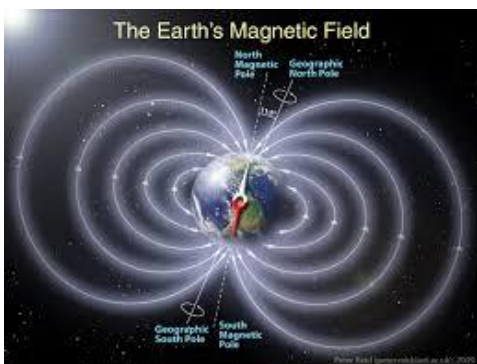


$$B = \frac{\mu_0 I}{2\pi r}$$

$$I=1 \text{ A}, r=10 \text{ cm}, \mu_0=4\pi\cdot 10^{-7} \text{ Vs/Am}$$

$$B=2 \text{ }\mu\text{T}$$

# Ampere-ov zakon



$$B \approx 3 \cdot 10^{-5} \text{ T}$$

zemeljsko magn. polje



$$B \approx 10^{-3} - 10^{-2} \text{ T}$$

permanentni magneti



$$B \approx 1 \text{ T}$$

permanentni magneti  
NdFeB



$$B \approx 8 \text{ T}$$

superprevodni magneti