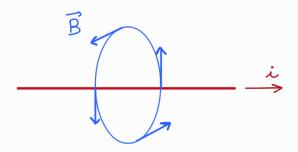
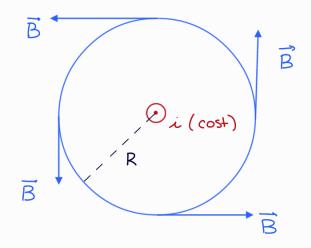
LEGGE DI AMPERE

Prendiamo un filo rettilineo percorso da corrente.

$$B = 2 \text{ Km} \frac{\lambda}{R}$$

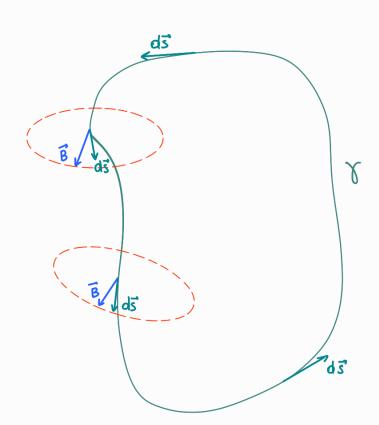


con
$$k_m = 10^{-3} \frac{T}{A} M$$



$$\oint_{\zeta} \overline{B} \cdot d\vec{s}$$

Y: percorso chiuso



$$R_1$$
 R_2 R_2 R_2

$$\begin{cases}
\overrightarrow{B} \cdot d\overrightarrow{S} = \\
B_1 \cdot d\overrightarrow{S} = \\
B_2 \cdot d\overrightarrow{S} = \\
B_3 \cdot dS = B_3 \cdot dS = \\
2K_m \stackrel{!}{\underset{R_1}{\stackrel{!}{\underset{R_2}{\stackrel{!}{\underset{R_3}{\stackrel{!}{\underset{R_4}{\stackrel{!}}{\underset{R_4}{\stackrel{!}{\underset{R_4}{\stackrel{!}{\underset{R_4}{\stackrel{!}{\underset{R_4}{\stackrel{!}{\underset{R_4}{\stackrel{!}{\underset{R_4}{\stackrel{!}{\underset{R_4}{\stackrel{!}{\underset{R_4}{\stackrel{!}{\underset{R_4}{\stackrel{!}{\underset{R_4}{\stackrel{!}{\underset{R_4}{\stackrel{!}{\underset{R_4}{\stackrel{!}{\underset{R}}{\underset{R}}{\underset{R}}{\underset{R}}{\stackrel{!}{\underset{R}}{\stackrel{l}}{\underset{R}}{\stackrel{$$

$$\oint_{T_2} \frac{\vec{B} \cdot d\vec{s}}{\vec{B}^2 \cdot d\vec{s}} = 2 \operatorname{km} i \frac{1}{R_2} \cdot 2 \pi R^2 = 4 \pi \operatorname{km} i$$

$$\vec{B}_2 \cdot d\vec{s} = \underbrace{B_2 ds \cos 0}_{Z \times m i} = \underbrace{B_2 ds}_{Z \times m i}$$

Quindi $\vec{B} \cdot d\vec{s} = Bds = 2 \times m i d\varphi$ $\Rightarrow \oint \vec{B} \cdot d\vec{s} = \oint 2 \times m i d\varphi = 2 \times m i \oint d\varphi = 4 \pi \times m i$