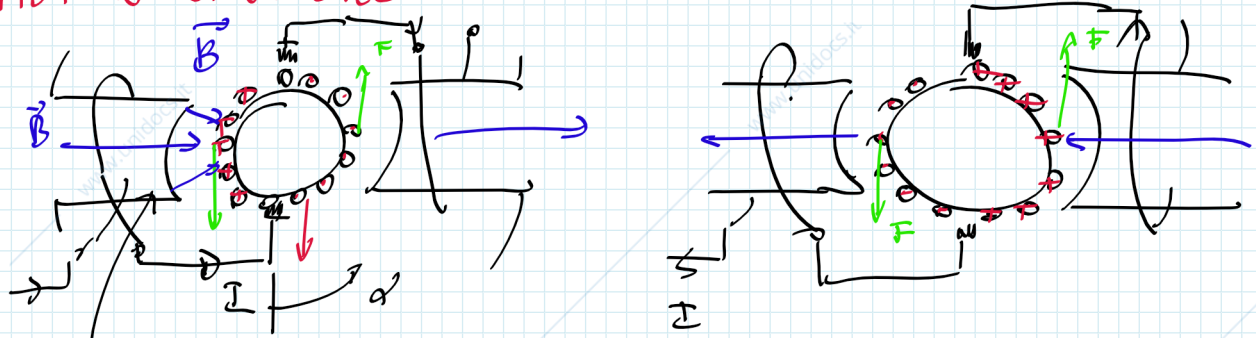
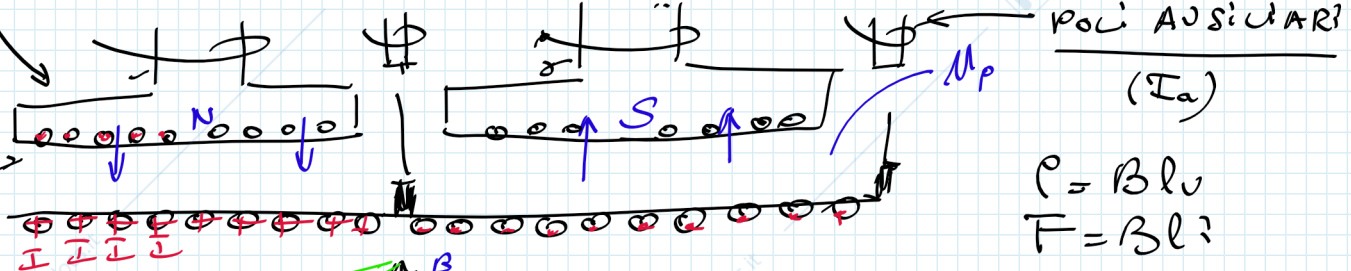


MOTORE UNIVERSALE



MOTORE CC ECC. SERIE → può funzionare in alternata

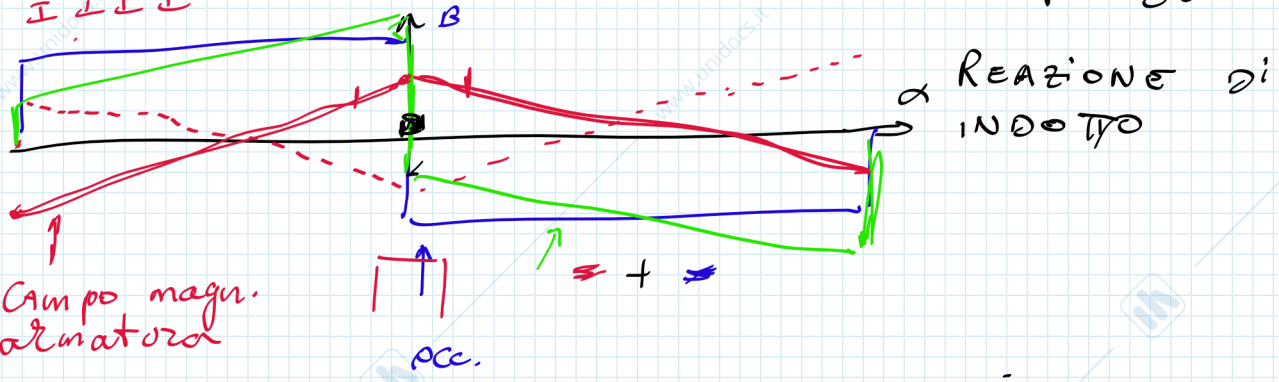


poli AUSILIARI (Ia)

$$P = Blv$$

$$F = Bli$$

AVV CORR. Ia

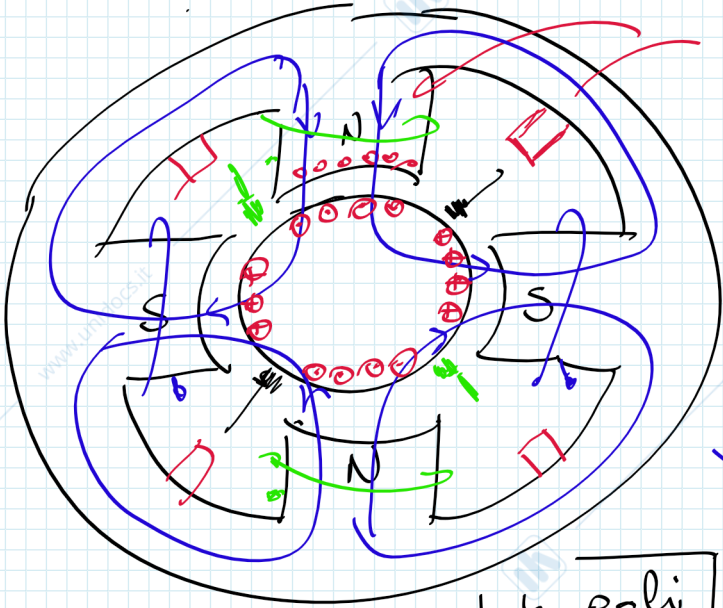


REAZIONE di INDOTTO

Campo magn. armatura

acc.

limitare reazione indotta

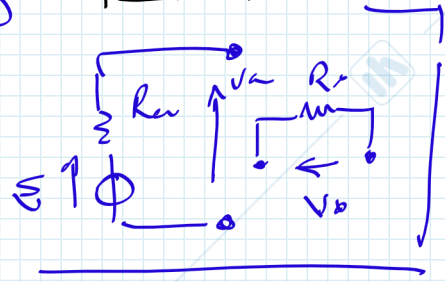


4 poli

$$F = Bli$$

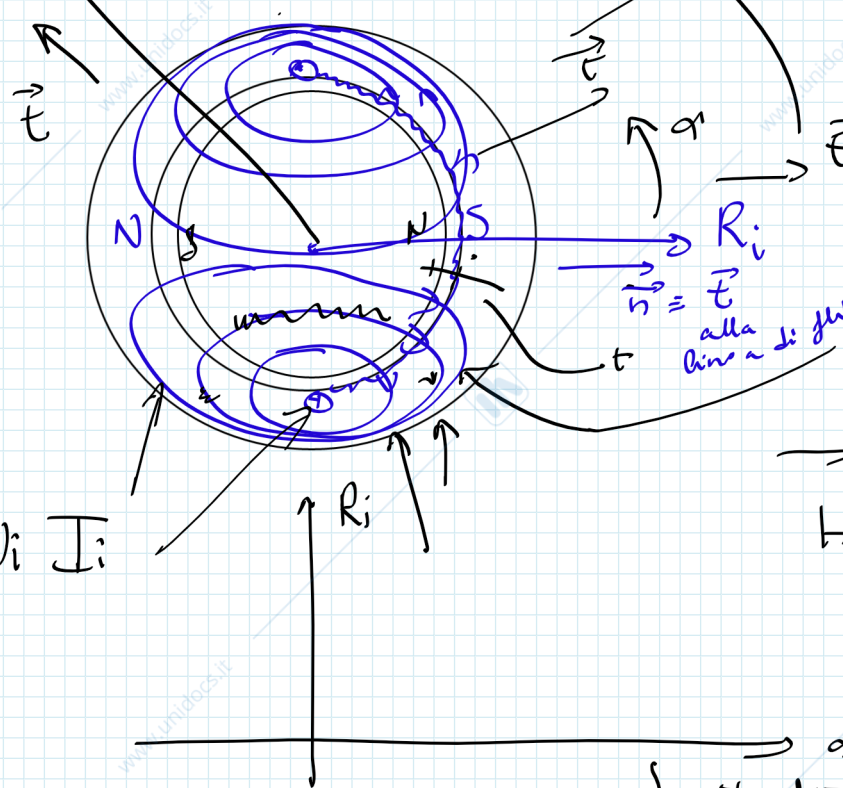
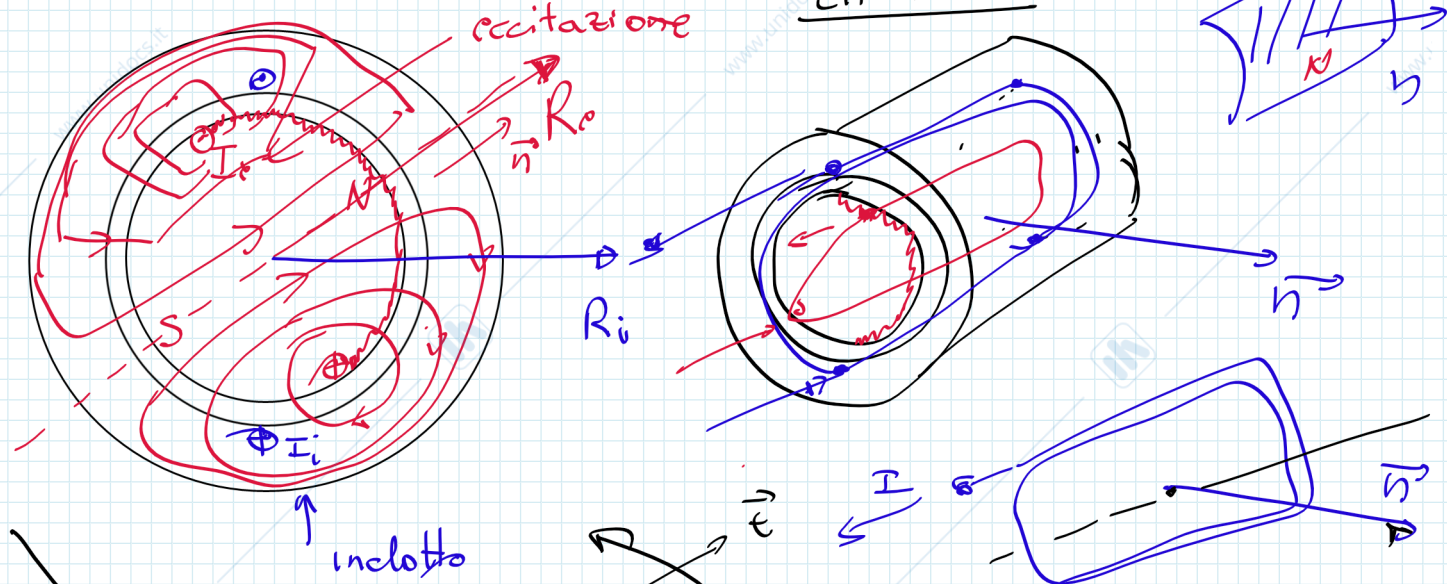
$$E = Blv$$

↑
ecc



GIUNTO ELETTROMAGNETICO

IP. LINEARE

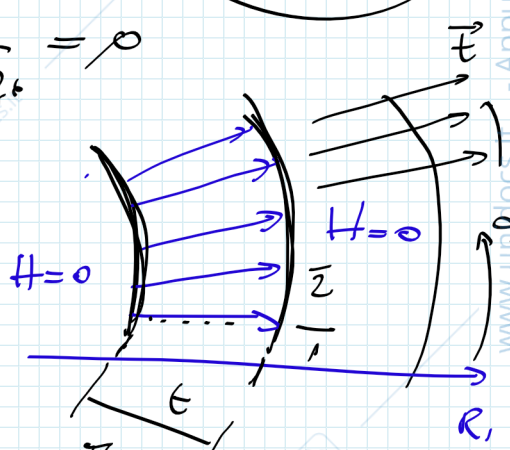


LEGGE CIRCO.

$$\oint \vec{H} \cdot \vec{t} dl = I_{tot}$$

$$\mu_0 = \infty \rightarrow H_{f_0} = 0$$

$$H = \frac{B}{\mu_0} = 0$$

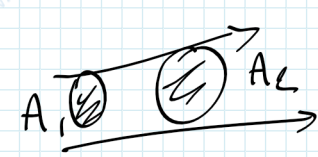
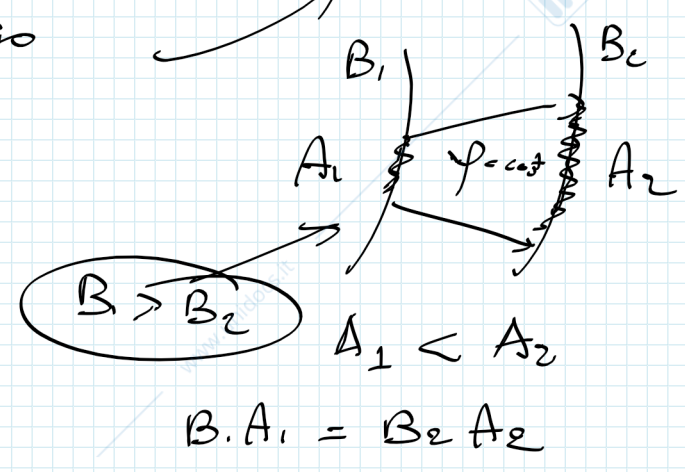


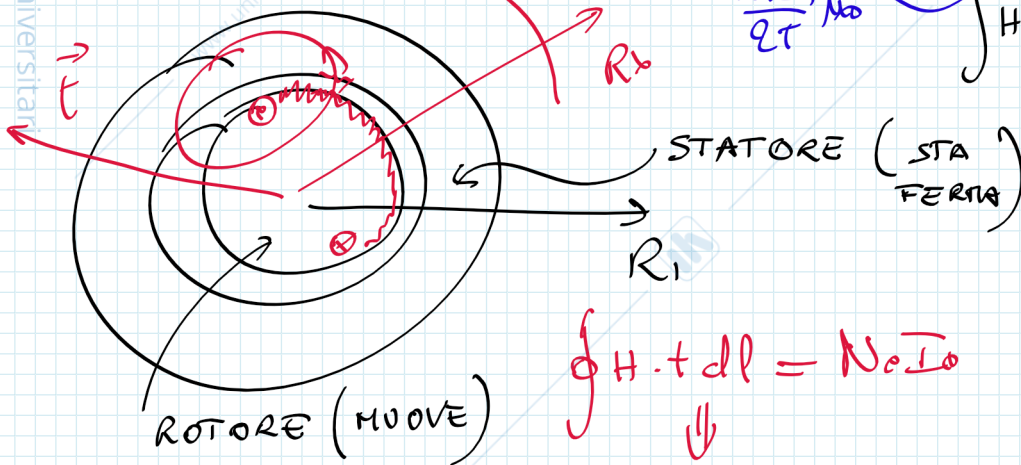
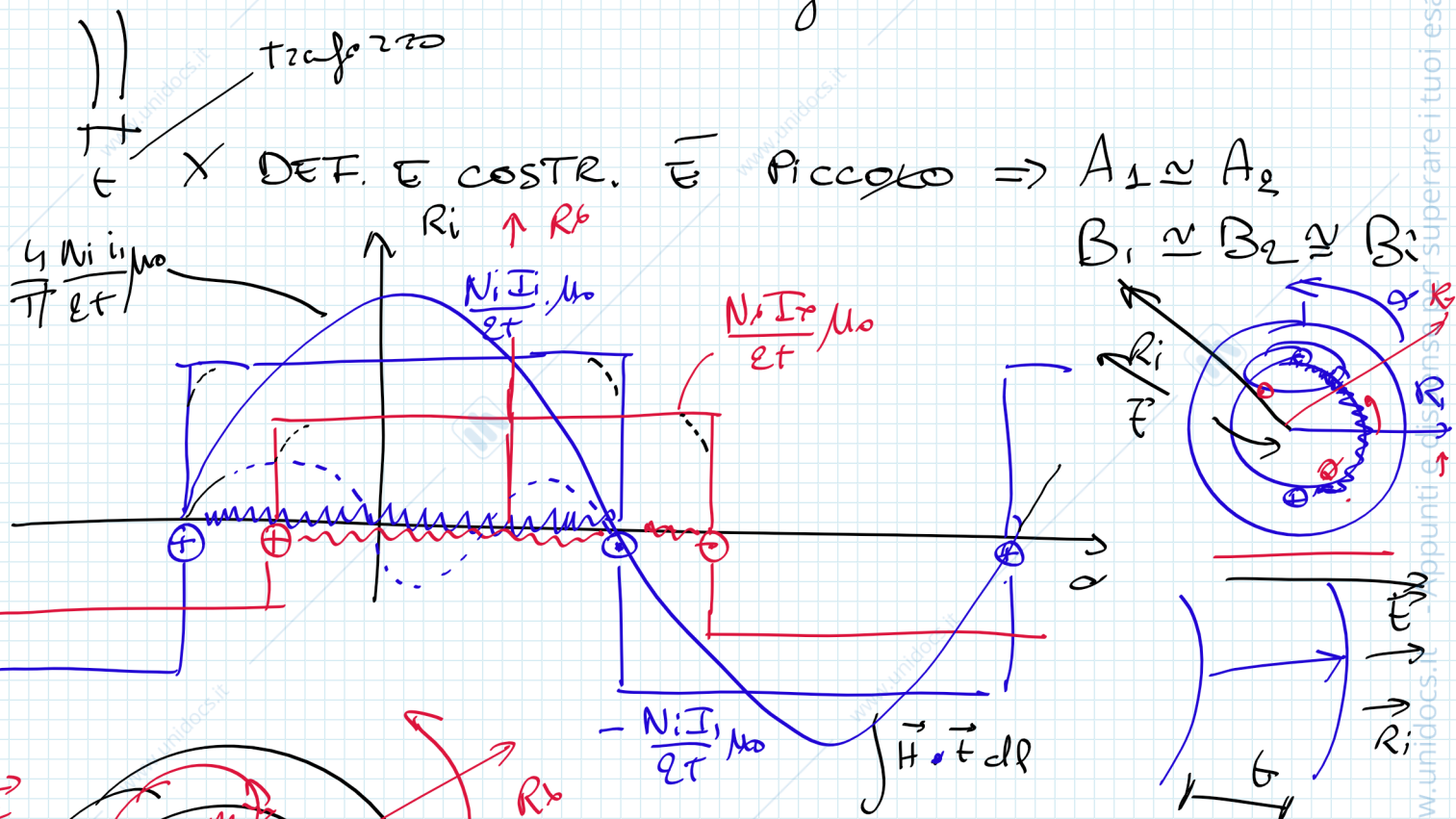
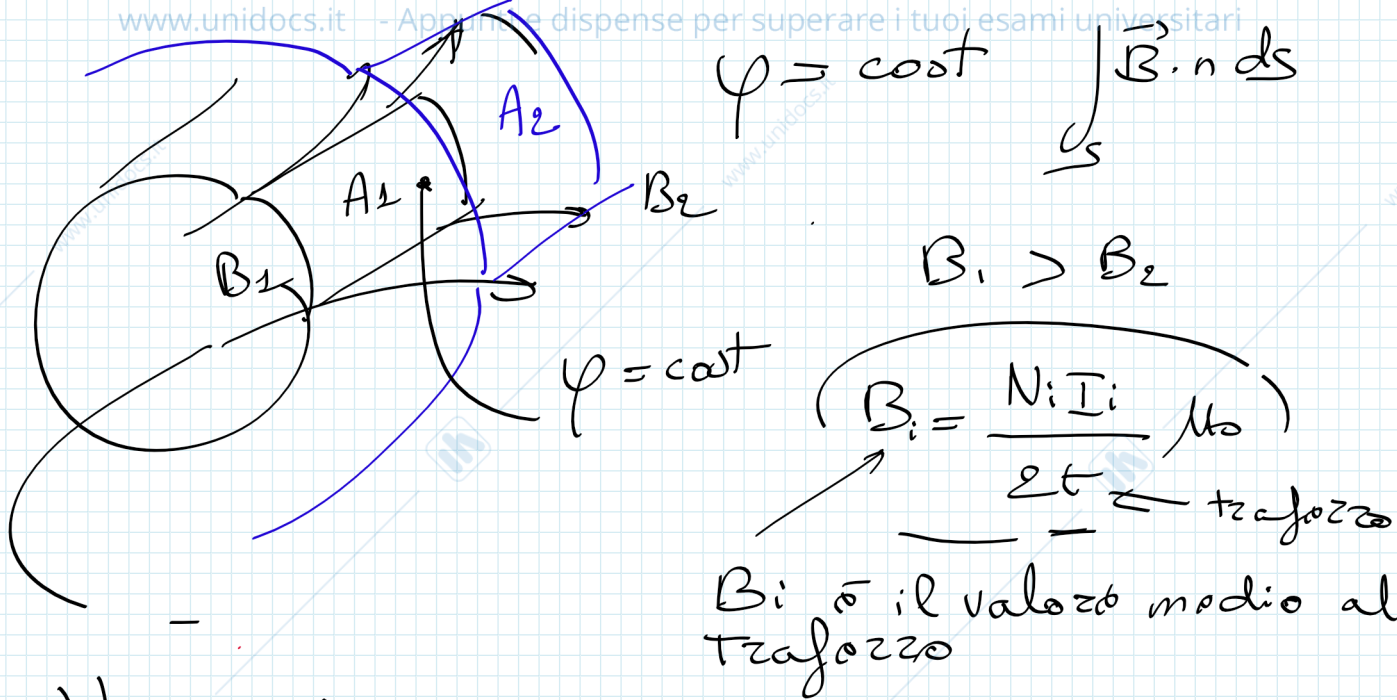
$$2 H \cdot t = N_i I_i \Rightarrow \frac{2 B t}{\mu_0} = N_i I_i$$

$$B = \frac{N_i I_i}{2 t} \mu_0 \leftarrow \text{valore medio di } B$$

$\delta = t$ (spessore)

$$\varphi = \int_S \vec{B} \cdot \vec{n} dS$$





$$\oint H \cdot t dl = N_0 I_0$$

$$2tH = N_0 I_0 \Rightarrow B_0 = \frac{N_0 I_0}{2t} \mu_0$$

$$B = \frac{4}{\pi} \frac{N_0 I_0}{2t} \mu_0 \left(\cos(\alpha) - \frac{1}{3} \cos(3\alpha) + \frac{1}{5} \cos(5\alpha) + \dots \right)$$

Valore medio

