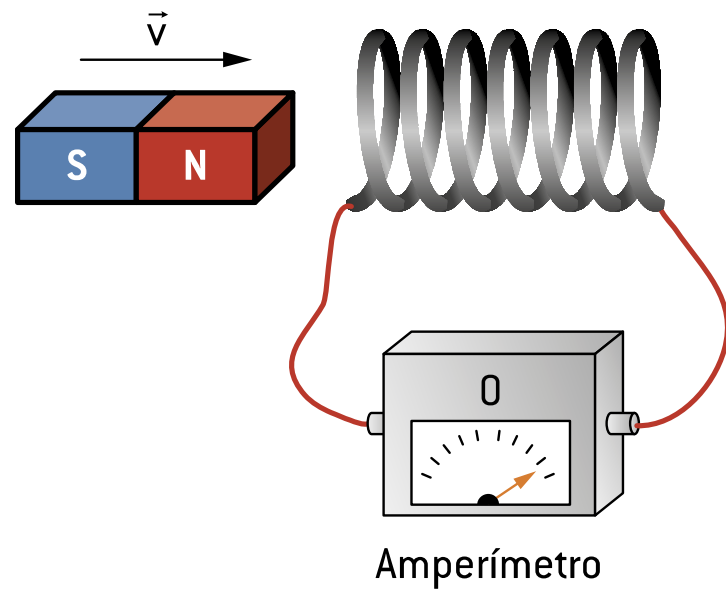


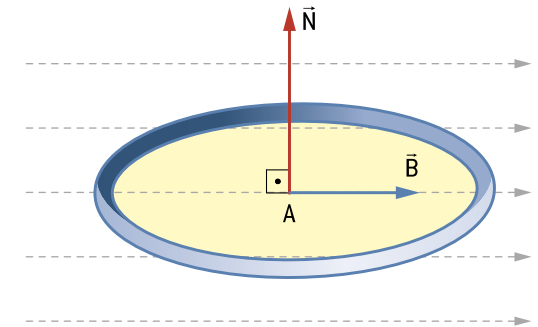
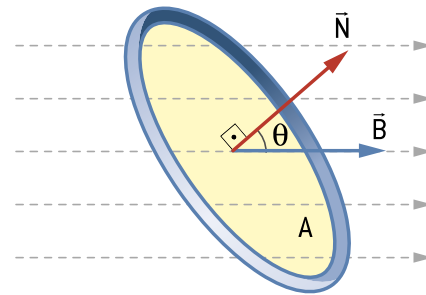
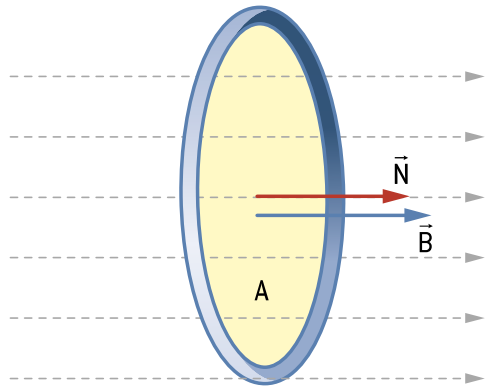
Condutor Retilíneo em Campo Magnético uniforme e Transformadores

Profº. André Astro
Física

O que você já sabe!



Fluxo Magnético



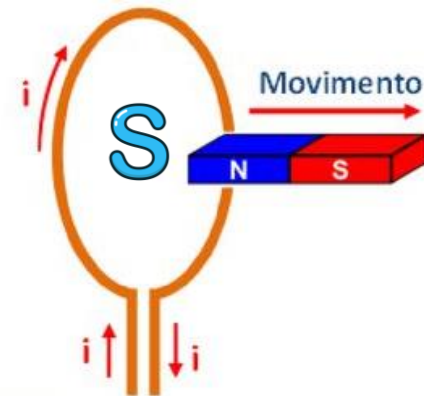
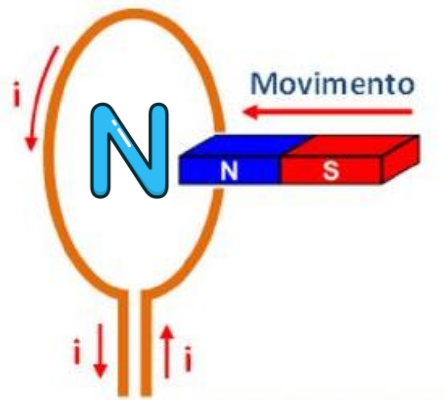
$$\phi = B \cdot A \cdot \cos \theta$$

Lei de Faraday

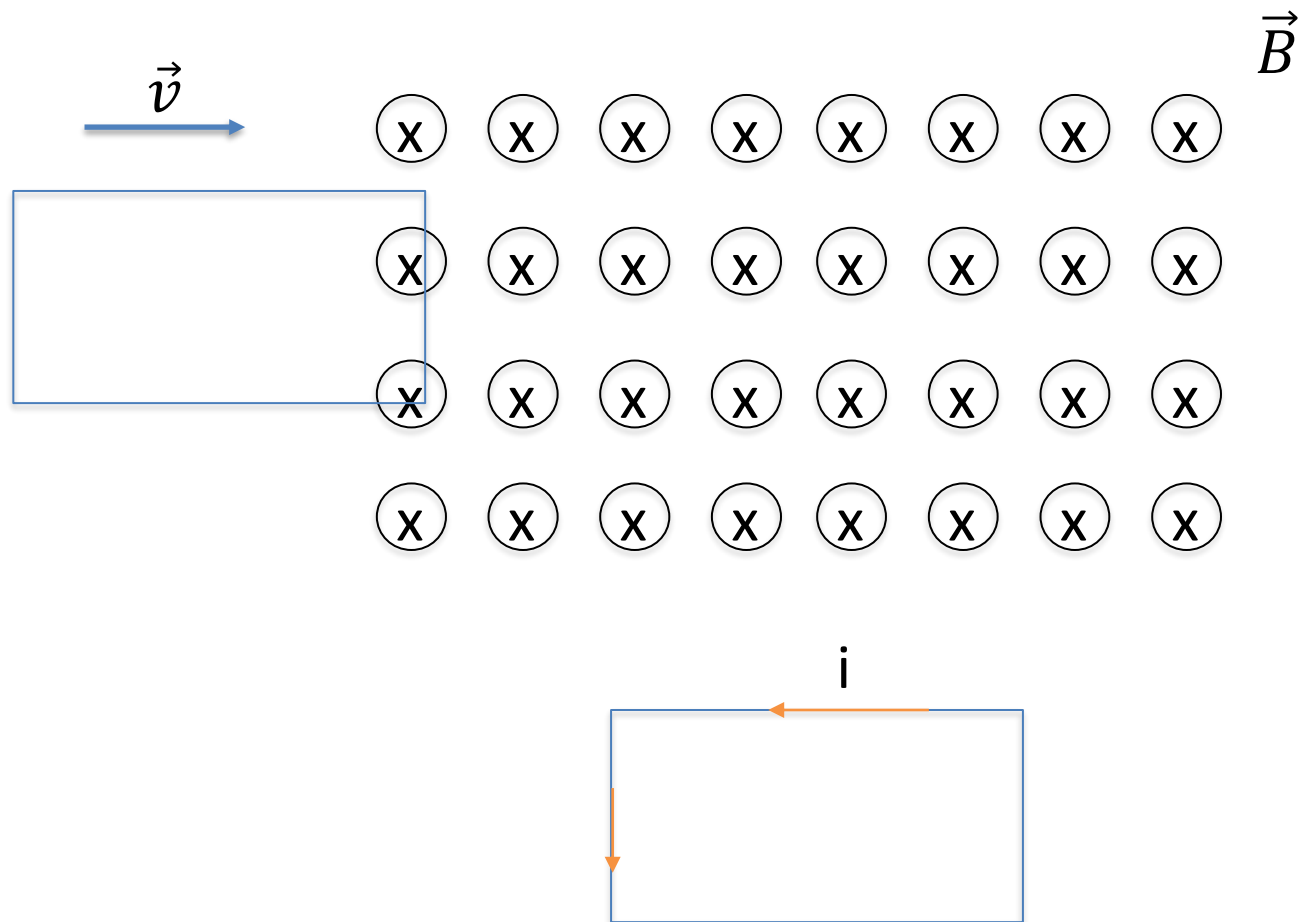
$$\mathcal{E} = - \frac{\Delta\phi}{\Delta t}$$

Lei de Lenz

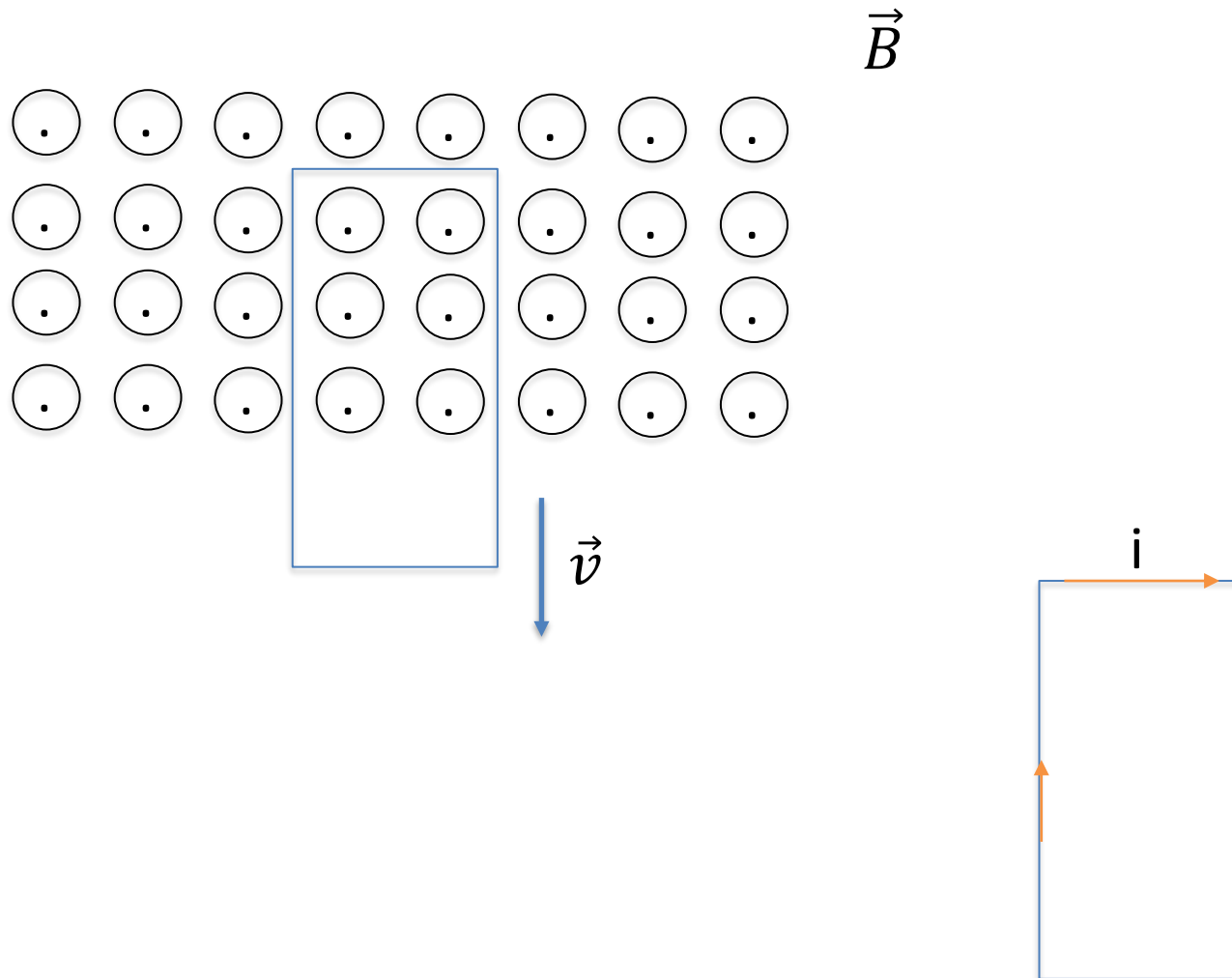
A corrente elétrica induzida num circuito gera um campo magnético induzido que se opõe à variação do fluxo magnético que induz essa corrente.



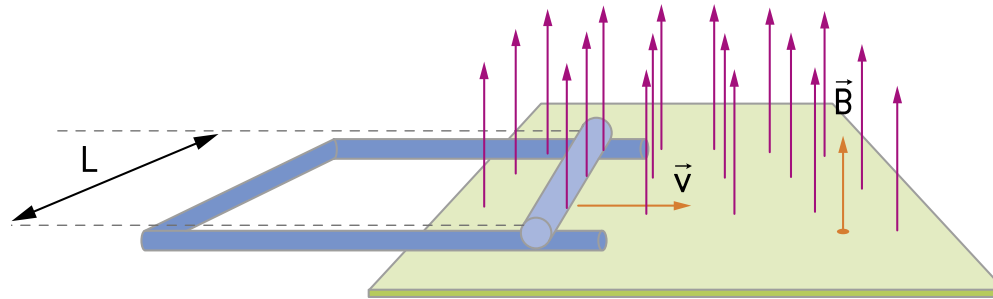
Condutor em Campo Magnético Uniforme



Condutor em Campo Magnético Uniforme

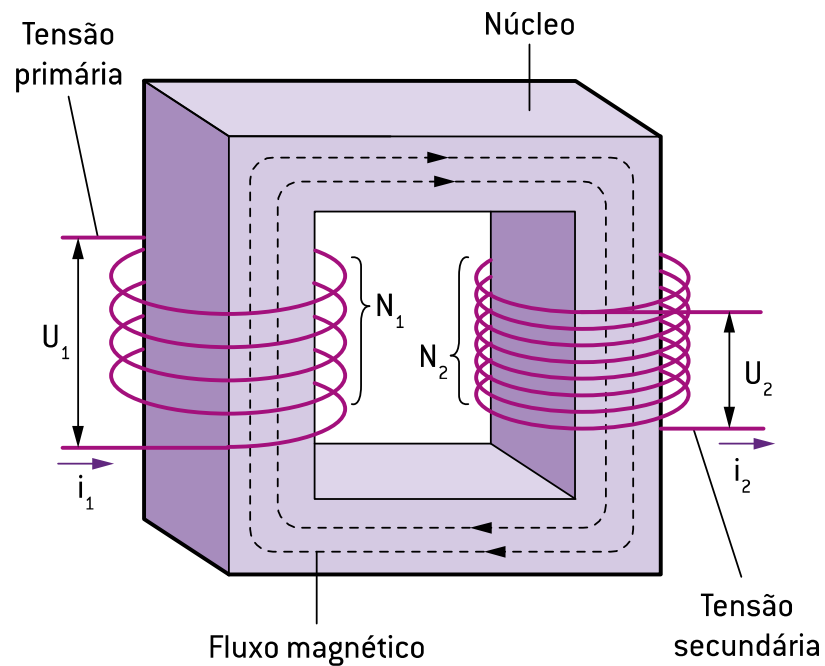


Tem como Calcular?



$$\mathcal{E} = B \cdot L \cdot v$$

Transformadores

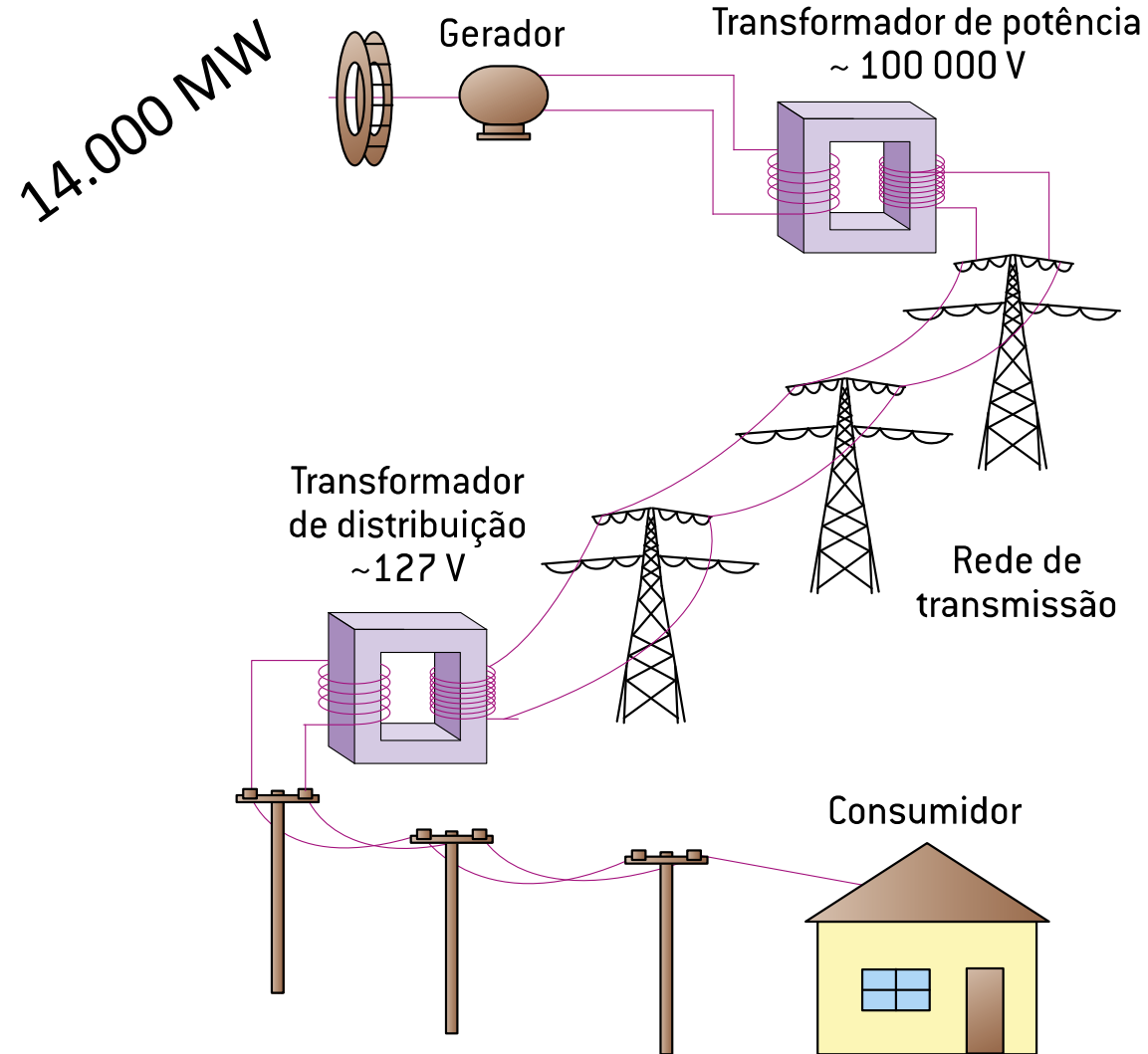


$$\frac{U_1}{U_2} = \frac{N_1}{N_2} = \frac{i_2}{i_1}$$

$$P_1 = P_2$$

$$U_1 i_1 = U_2 i_2$$

Linhas de Transmissão



OBRIGADO

Prof.^a André Astro
Física