

Formulário – Corrente elétrica (i)

Corrente elétrica → movimento ordenado de cargas (íons/elétrons) em um condutor.

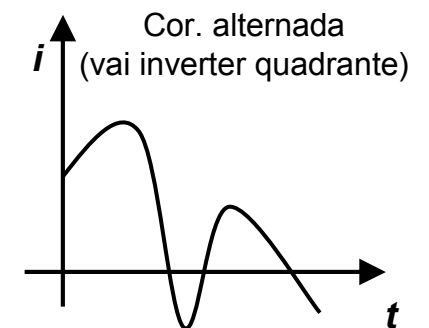
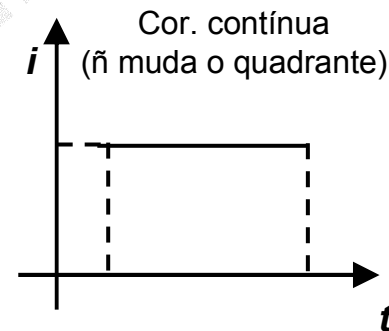
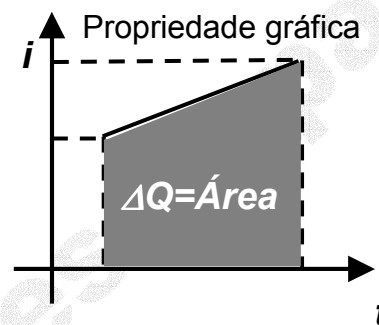
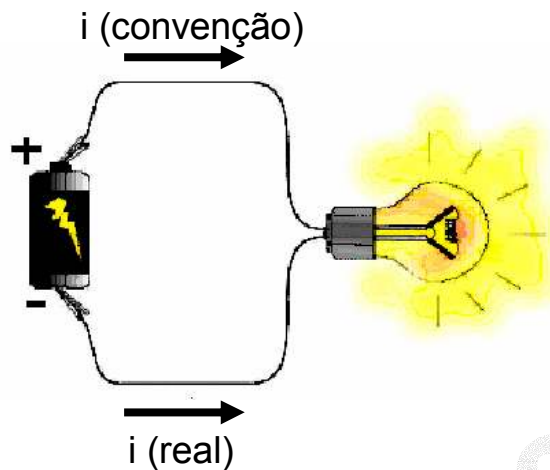
$$i_M = \frac{\Delta Q}{\Delta t}$$

Onde:
$$\begin{cases} \Delta Q = ne \\ e = 1,6 \times 10^{-19} \text{ C} \end{cases}$$

Unidade:

$$i \rightarrow A(\text{ampere}) = \frac{C}{s}$$

Gráficos $i \times t$:



Efeitos da corrente:

- térmico (Joule)
- magnético
- químico
- fisiológico (choque)

