## Ap#5: Corrente electrica continua e resistencia electrica

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$$R, 3, 6$$

$$R \sim 3,$$

$$R_{7} = R_{70}(1 + \alpha \Delta T)$$

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$$R = 3\frac{Q}{5}; [\Omega]$$

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$$\left(z\right)$$

$$J = 400 \text{ Acm}^{-2}$$

$$J = \frac{1}{5} \Rightarrow J = \frac{1}{4\pi d^{2}}$$

$$d = \left(\frac{4J}{\pi J}\right)^{1/2} \rightarrow d = 0.14 \text{ cm}$$

$$(1M)^{2} = \left(10^{2} \text{ cm}\right)^{2} \Rightarrow 10^{4} \text{ cm}^{2} \Rightarrow 10^{4} \text{ cm}^{2}$$

$$J = 4 \times 10^{6} \text{ Am}^{2}$$

$$\frac{1}{100} = \frac{1}{100} = \frac{1}{100}$$

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$$\frac{1}{100} = \frac{1}{100} = \frac{1}$$

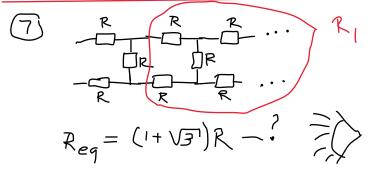
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Imaginemos que temos uma funcao (f(x)) continua e pretendemod deteerminar o seu valor medio num intervalo x=[a,b]. Como se faz?

セ<sub>1</sub> = 50 &

$$\langle 7 \rangle = \frac{1}{10-0} \int_{0}^{10} (4+2t^2) dt = \frac{1}{10} (40+\frac{2}{3} \times 1000) =$$

$$I_{rms} = \frac{1}{10-0} \int_{0}^{10} (4+2t^2)^2 dt$$



$$\frac{\mathbb{R}_{eq} \approx \mathbb{R}_{l}}{\mathbb{L}_{r}} = 2\mathbb{R} + \frac{\mathbb{R}_{l}}{\mathbb{R}_{r}+\mathbb{R}_{l}}$$

$$= \mathbb{R}_{l} + \mathbb{R}_{l} = \mathbb{R}_{l} + \mathbb{R}_{l}$$

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$$R_1^2 - 2R_1 - 2R^2 = 0$$

$$R = 10R$$

$$\frac{R_{A}}{R_{B}} | - ?$$

$$\frac{R_{A}}{R_{B}} | R_{eC} = 1.0R$$

$$Req = \frac{R_{A}R_{B}}{R_{A}+R_{B}}$$

$$R = 10A \rightarrow R = R_A + R_B$$

$$R_A = 5 \pm \sqrt{15} \quad R_A = 9 \pm \frac{l_A}{s_1} \quad R_B$$

$$\frac{R_A}{3\pi} = \frac{l_A}{R} = \frac{5 - \sqrt{15}}{15 + \sqrt{15}} \quad X$$