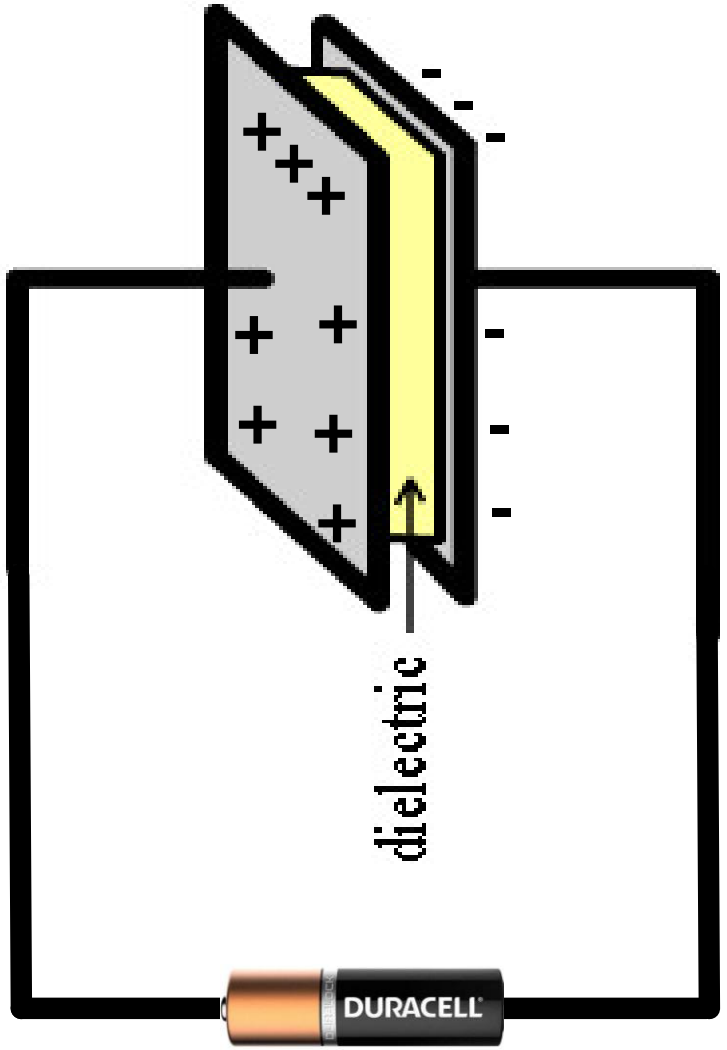
Associação de capacitores

Prof. Jadoski
Física

estuda.com

Capacitor ligado sozinho



$$U=R.i$$

$$Q=C.U$$

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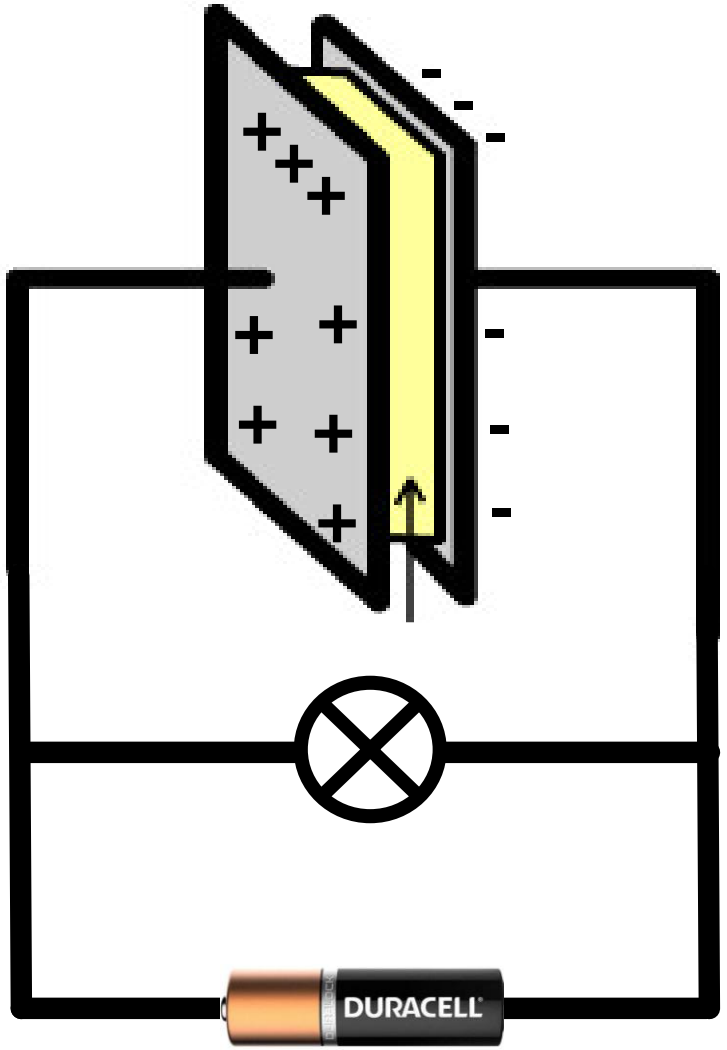
Circuito RC em paralelo

$$Q=C.U$$



$$U=R.i$$

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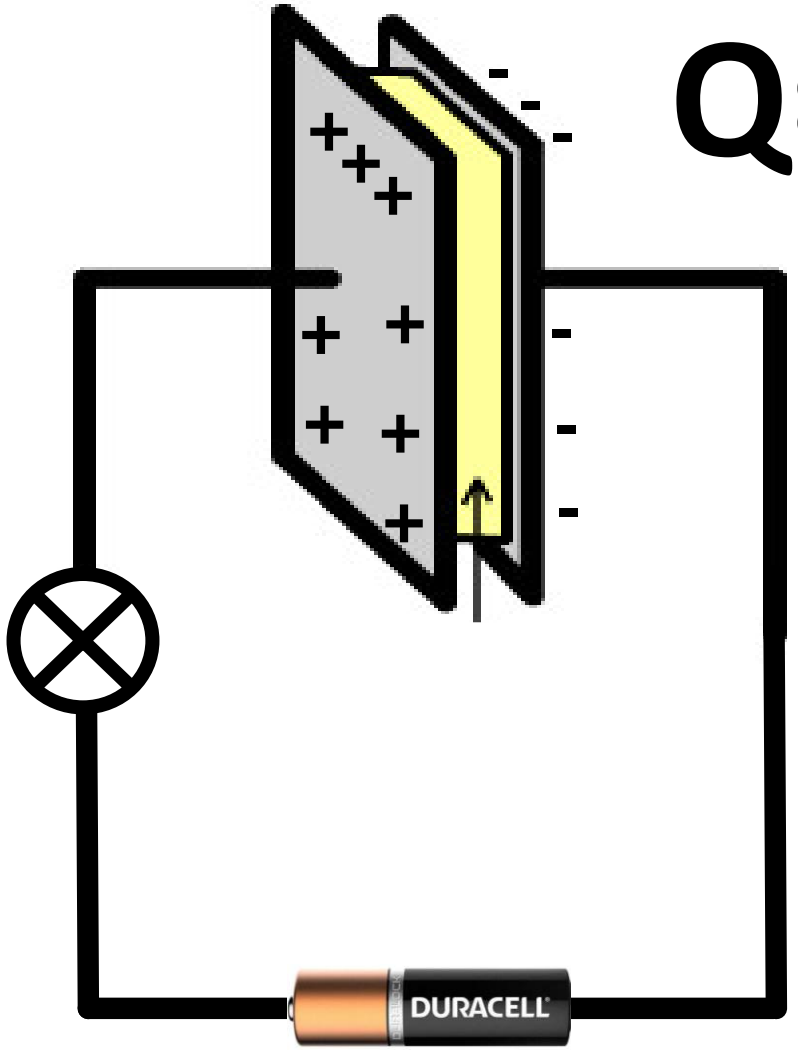
Circuito RC em série

$$Q=C.U$$

$$U=R.i$$



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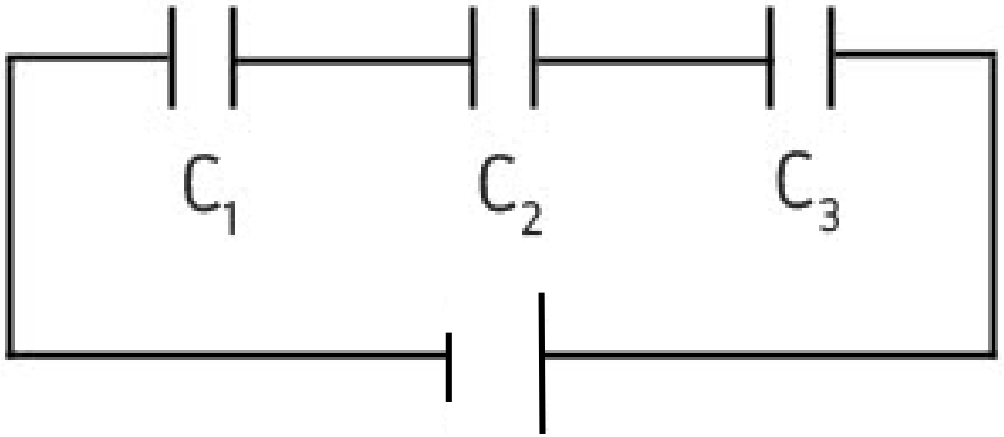
Capacitores em serie



$$U_t = U_1 + U_2 + U_3$$

$$Q_t = Q_1 = Q_2 = Q_3$$

$$\frac{1}{C_t} = \frac{1}{C_1} + \frac{1}{C_2} + \frac{1}{C_3}$$

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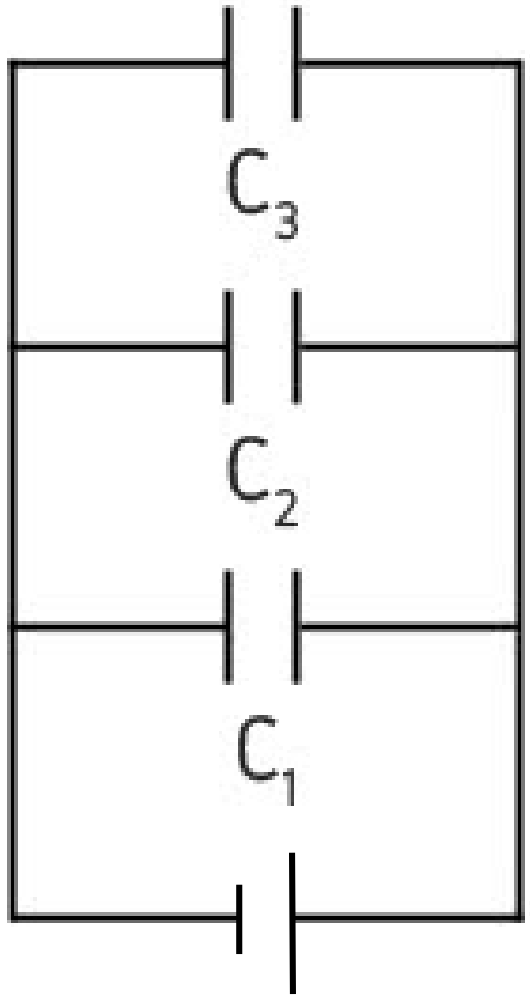
Capacitores em paralelo



$$U_t = U_1 = U_2 = U_3$$

$$Q_t = Q_1 + Q_2 + Q_3$$

$$C_t = C_1 + C_2 + C_3$$

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