Resistor

Capacitor

O módulo da Impedância

$$|Z| = \sqrt{(Z')^2 + (Z'')^2}$$

Circuito RC paralelo

$$Z = \frac{R}{1 + \omega^2\tau^2} - i\frac{\omega\tau R}{1 + \omega^2\tau^2}$$

$$
\tau = rC
$$

$$\tau = r * C$$
$$\tau = rC$$

Soma de erros Quadrados entre a curva experimental e a do modelo.

$$s = \sum_i \omega_i' [(Z_i')_{exp} - (Z_i')_{model}]^2 + \sum_i \omega_i'' [(Z_i'')_{exp} - (Z_i'')_{model}]^2$$

peso

$$\omega' = \omega'' = \frac{1}{|Z|}$$