

Series:

$$R_{\text{eq}} = \sum_i R_i$$

$$C_{\text{eq}}^{-1} = \sum_i C_i^{-1}$$

$$L_{\text{eq}} = \sum_i L_i$$

Parallel:

$$R_{\text{eq}}^{-1} = \sum_i R_i^{-1}$$

$$C_{\text{eq}} = \sum_i C_i$$

$$L_{\text{eq}}^{-1} = \sum_i L_i^{-1}$$