$$1. \ Z_C = \frac{1}{i\omega C}$$

2. $Z_{\text{parallel}}^{-1} = \sum_{i} Z_{i}^{-1}$

$$2. \ Z_L = i\omega L$$

- 3. $Z_R = R$

- 1. $Z_{\text{series}} = \sum_{i} Z_{i}$