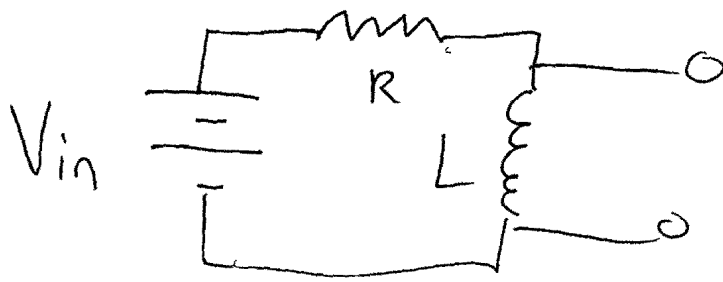


RL-filter:

①



$$A(\omega) = \frac{i\omega L}{i\omega L + R}$$

$$A(\omega) = \frac{1}{1 + \frac{R}{i\omega L}} = \frac{1}{1 - \frac{iR}{\omega L}}$$

$$A(\omega) = \frac{1}{\sqrt{1 + \left(\frac{R}{\omega L}\right)^2}} e^{-i \tan^{-1}\left(\frac{R}{\omega L}\right)}$$

$$A(\omega) = \frac{e^{i \tan^{-1}\left(\frac{R}{\omega L}\right)}}{\sqrt{1 + \left(\frac{R}{\omega L}\right)^2}}$$