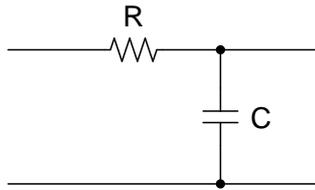


CR 1次フィルタ

1. ローパスフィルタ



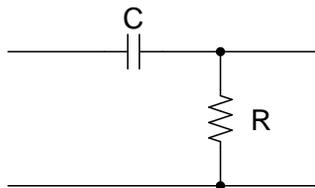
$$f_c = \frac{1}{2\pi CR}$$

$$= \frac{f}{f_c}$$

$$G = \frac{1}{\sqrt{f^2 + 1}} = \frac{\sqrt{1 - G^2}}{G}$$

$$= \tan^{-1}() = \tan()$$

2. ハイパスフィルタ



$$f_c = \frac{1}{2\pi CR}$$

$$= \frac{f}{f_c}$$

$$G = \frac{G}{\sqrt{f^2 + 1}} = \frac{G}{\sqrt{1 - G^2}}$$

$$= \tan^{-1}\left(\frac{1}{ } \right) = \frac{1}{\tan()}$$

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