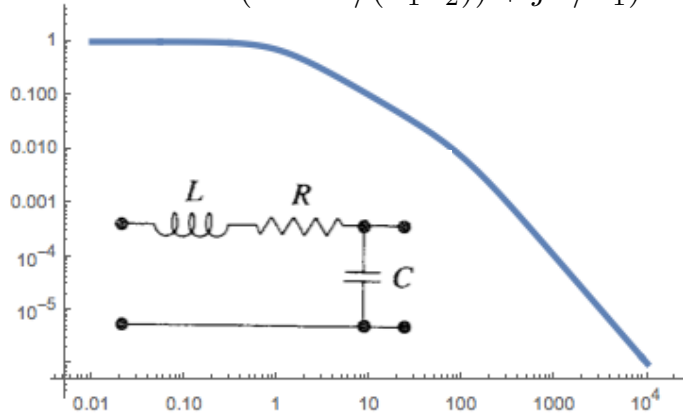


$|\hat{H}(j\omega)|$ vs ω for some RLC filter examples $\omega_2 \gg \omega_1$

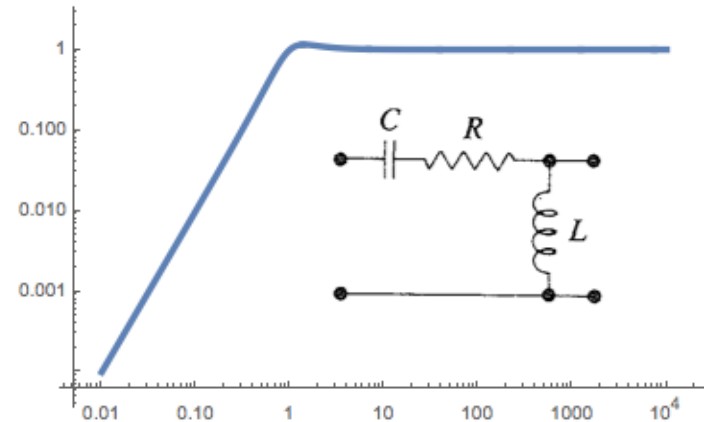
Low pass

$$\hat{H} = \frac{1}{(1 - \omega^2/(\omega_1\omega_2)) + j\omega/\omega_1}$$



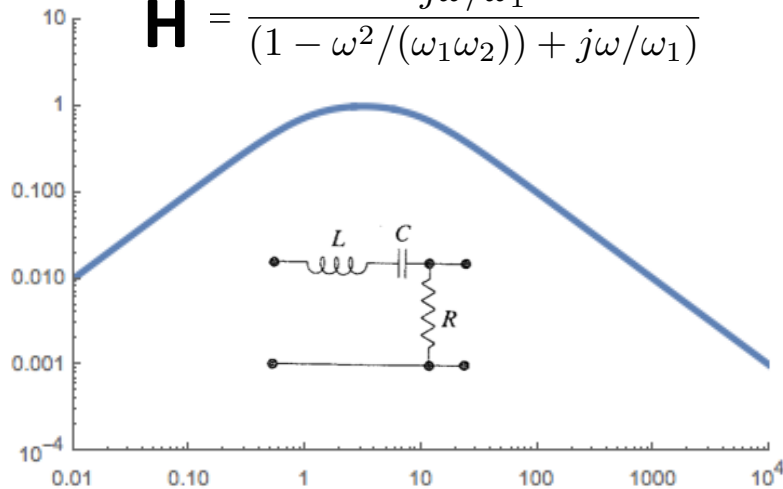
High pass

$$\hat{H} = \frac{-\omega^2/(\omega_1\omega_2)}{(1 - \omega^2/(\omega_1\omega_2)) + j\omega/\omega_1}$$



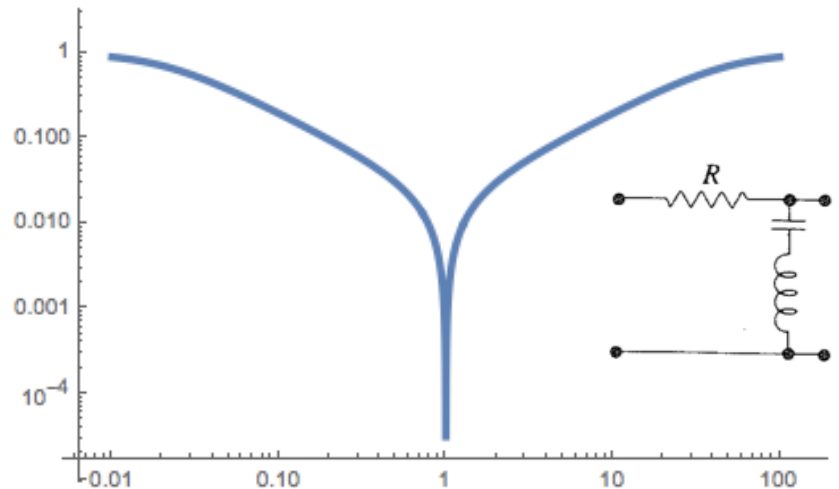
Band pass

$$\hat{H} = \frac{j\omega/\omega_1}{(1 - \omega^2/(\omega_1\omega_2)) + j\omega/\omega_1}$$



Band rejection

$$\hat{H} = \frac{1 - \omega^2/(\omega_1\omega_2)}{(1 - \omega^2/(\omega_1\omega_2)) + j\omega/\omega_1}$$



What are ω_1 , ω_2 for each of these?