
EXERCISE 7.11: If $H_{\text{BP}}(e^{j\hat{\omega}})$ is an ideal BPF with its cutoffs at $\hat{\omega}_{\text{co}_1}$ and $\hat{\omega}_{\text{co}_2}$, show by plotting that the filter defined by $H_{\text{BR}}(e^{j\hat{\omega}}) = 1 - H_{\text{BP}}(e^{j\hat{\omega}})$ could be called an ideal *band-reject* filter. Determine the edges of the stopband of the band-reject filter.

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