

EE 317
Homework Assignment
Frequency Response from Pole/Zero Plots

Using the technique of geometrical evaluation of the Fourier Transform in the z-plane, make rough sketches of the spectral magnitude characteristics of signals with the pole-zero configurations shown below.

If the pole-zero configurations represent the transfer function of typical filter responses, what type of filter does each represent (i.e. lowpass, highpass, bandpass, band reject)?

