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% Group 5: Samson Huang, Brandon Foley, Ricardo Campos

function lab6

% lab6.m

% You will provide the print-out for the following

% A (non-causal) bandstop filter

figure

fizplot([1 2 2], [0 1 .8]);

title('A (non-causal) bandstop filter');

% A rectangular window

figure

fizplot(ones(1, 10), 1);

title('A rectangular window');

% A notch filter

figure

fizplot([1 zeros(1, 8) -1], [1 zeros(1, 8), -.5]);

title('A notch filter');

% An unstable band-pass filter

figure

fizplot(1, [1 -2 2]);

title('An unstable band-pass filter');

% A non-causal oscillating response

figure

fizplot([0 1 1], [0 0 1 .5]);

title('A non-causal oscillating response');

% A delayed decaying response

figure

fizplot([0 0 1 1], [0 1 -.8]);

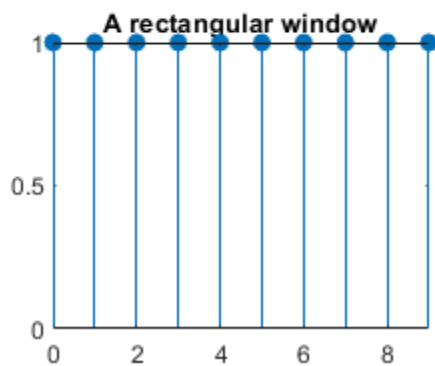
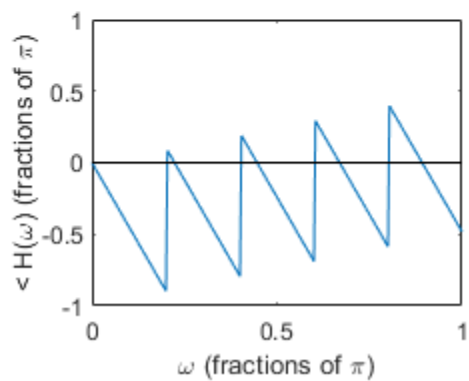
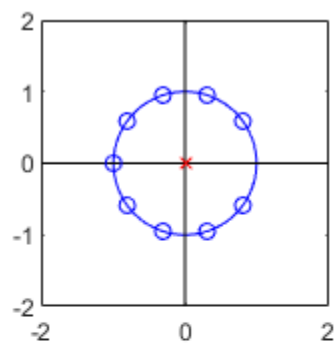
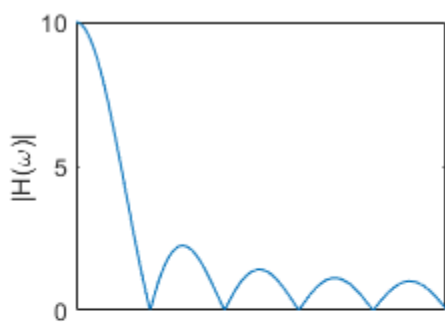
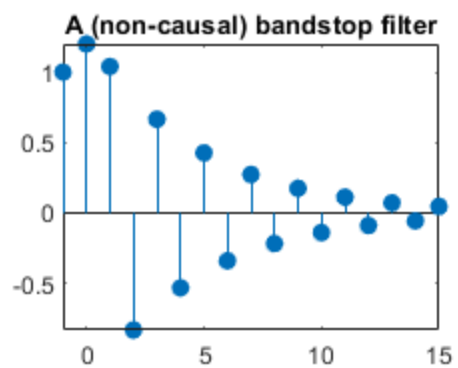
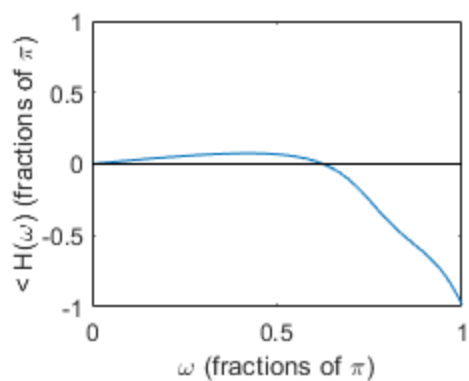
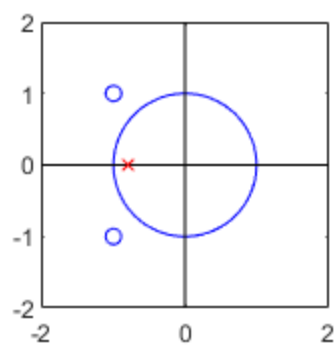
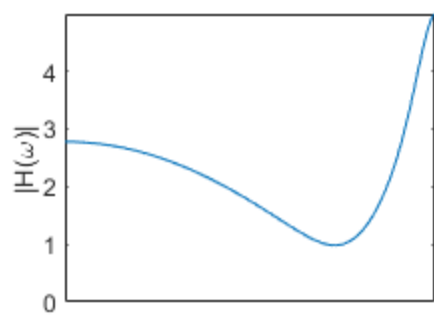
title('A delayed decaying response');

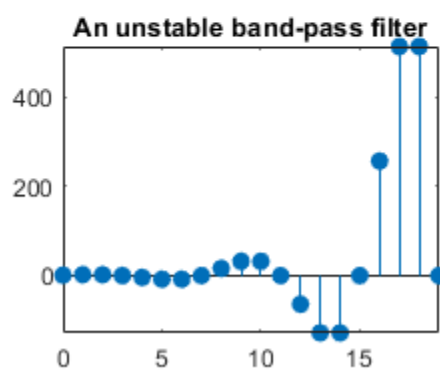
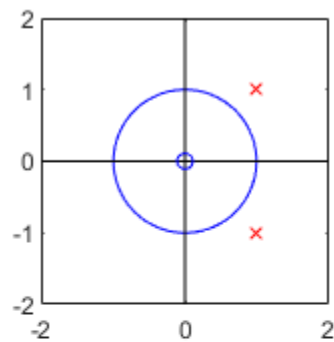
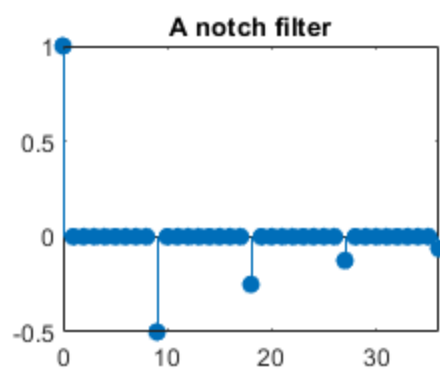
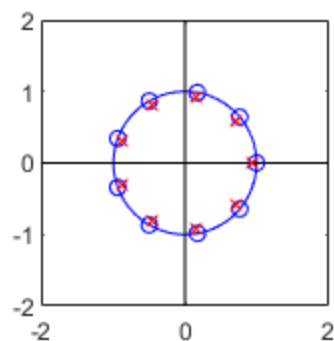
% Did you fix the phase? (It's O.K. if you didn't)

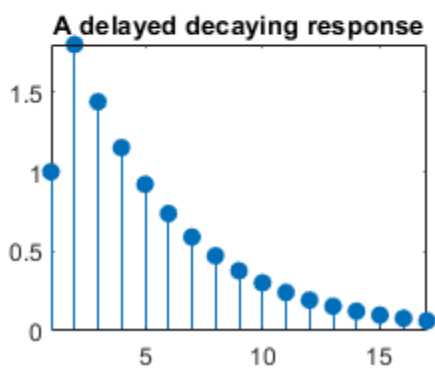
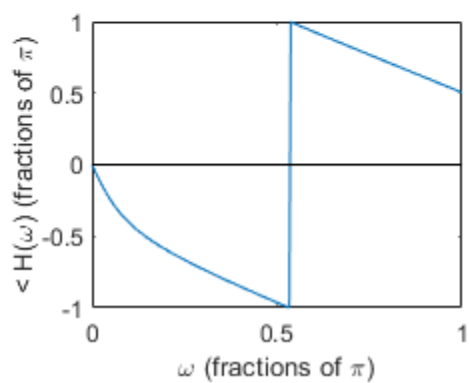
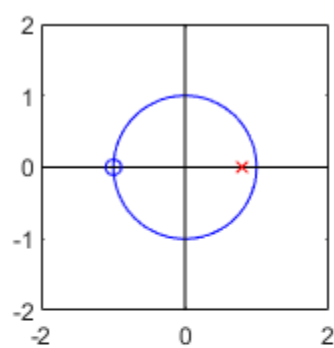
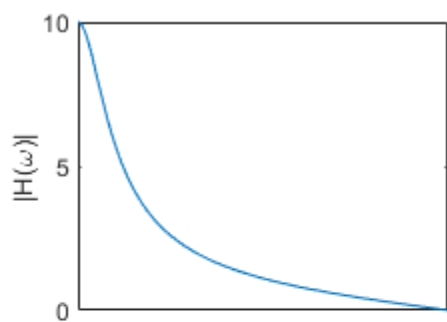
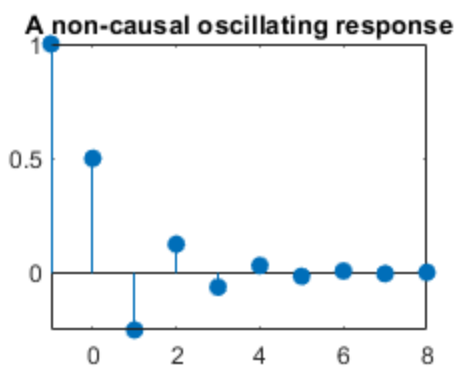
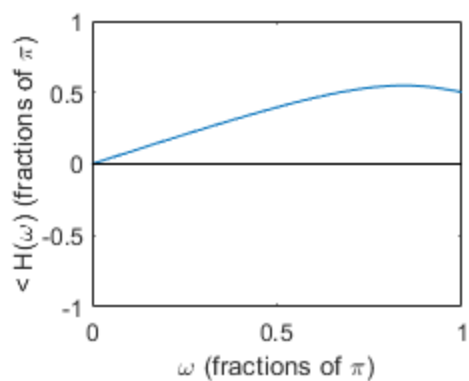
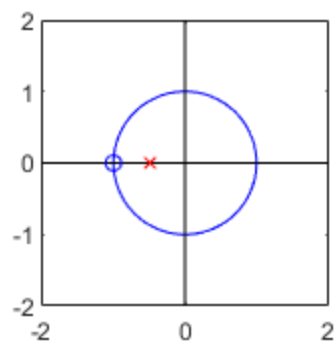
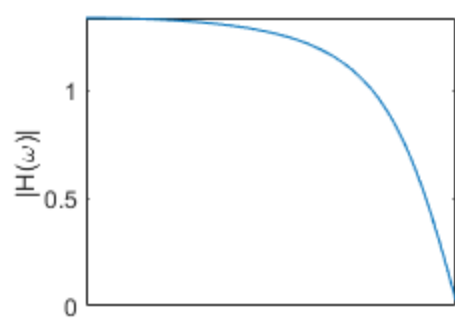
figure

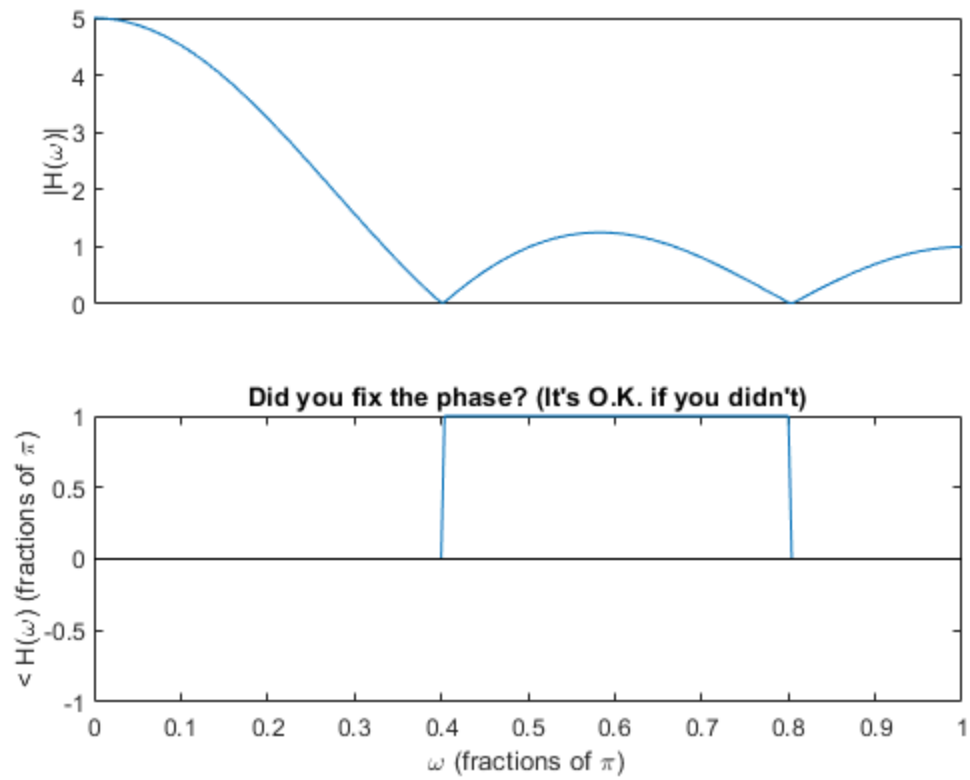
fplot([1 1 1 1 1], [0 0 1]);

title('Did you fix the phase? (It's O.K. if you didn't)');









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