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```
function lab5
% lab5.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');

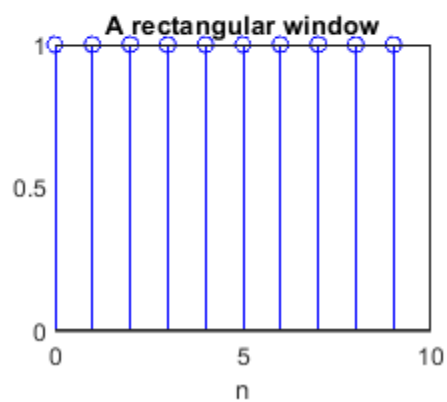
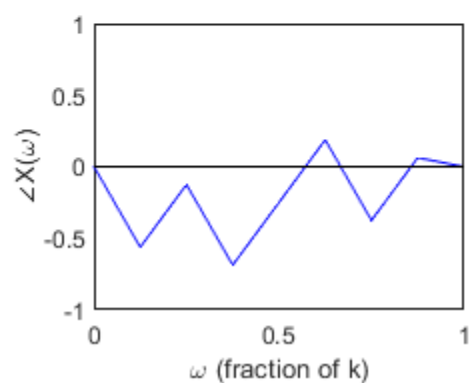
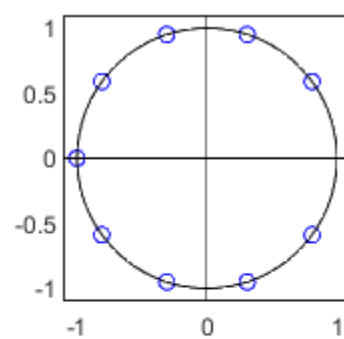
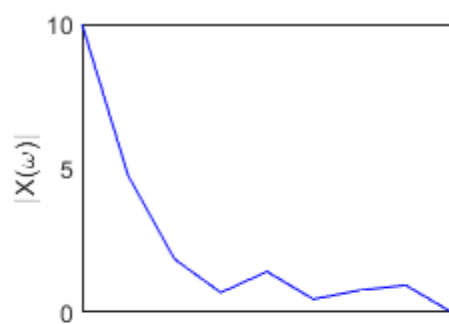
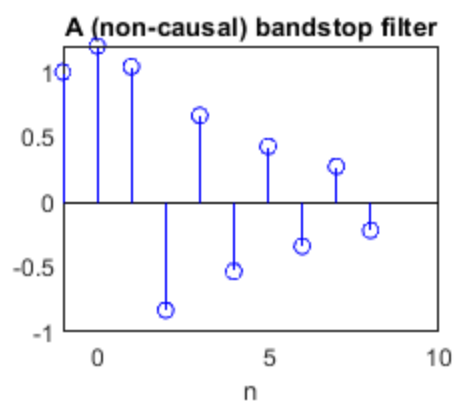
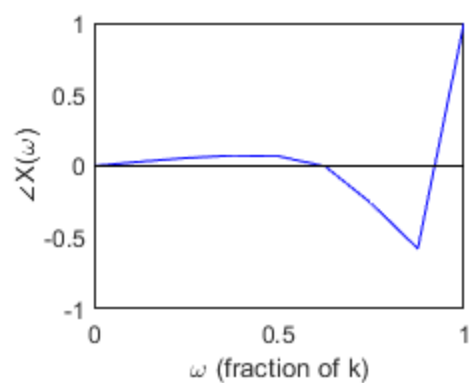
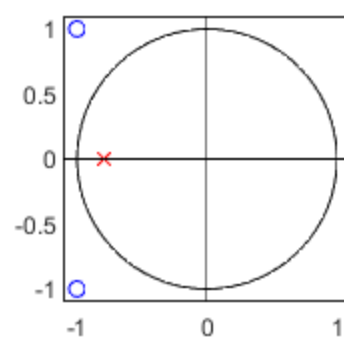
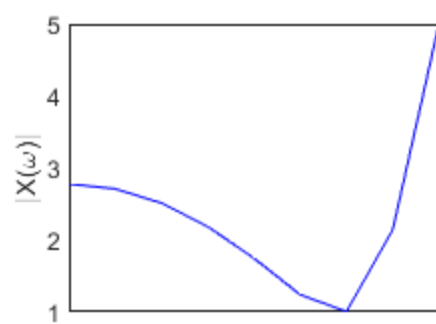
% A notch filter
figure
fizplot([1 zeros(1, 8) -1], [1 zeros(1, 8), -.5]);
title('A notch filter');

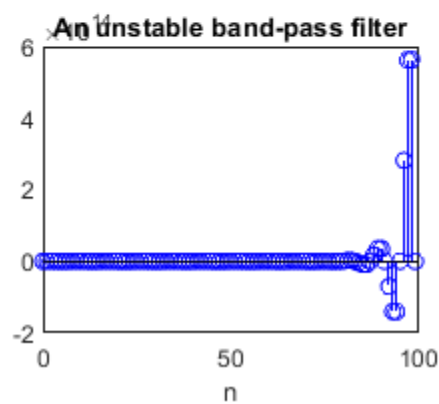
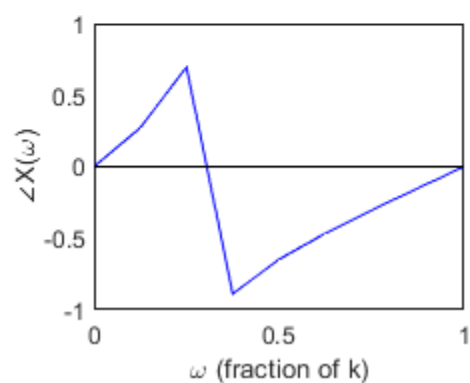
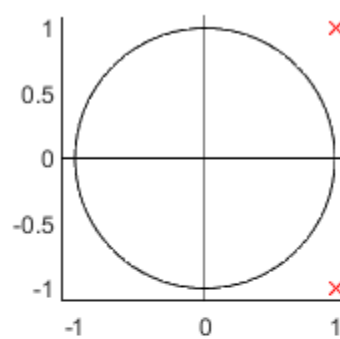
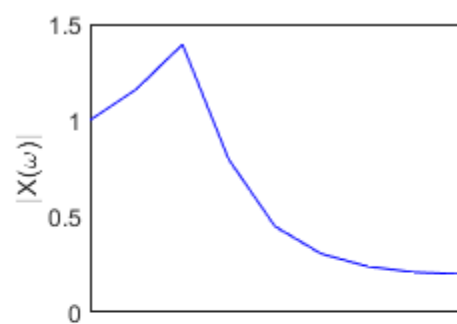
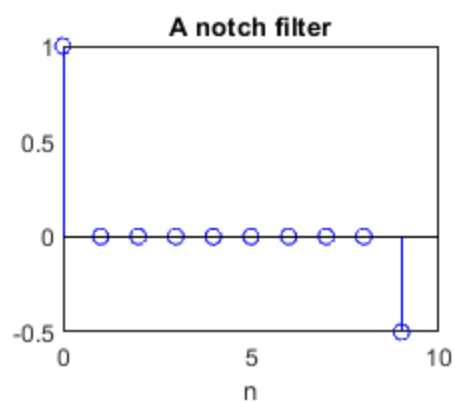
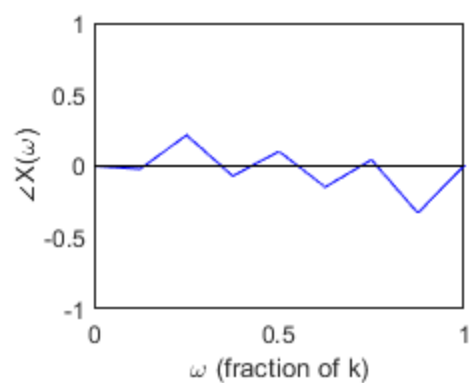
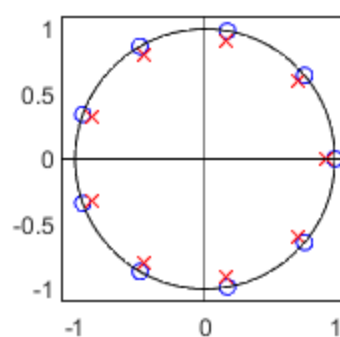
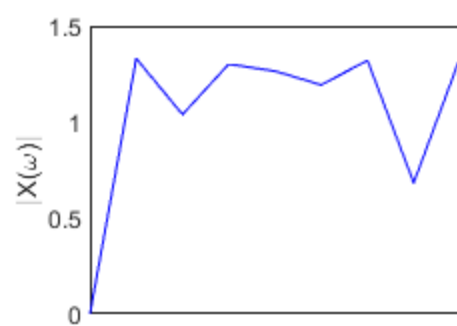
% An unstable band-pass filter
figure
fizplot(1, [1 -2 2]);
title('An unstable band-pass filter');

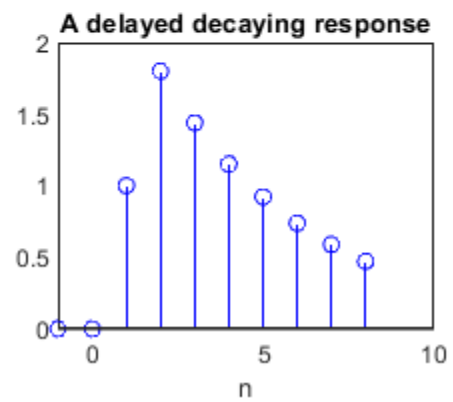
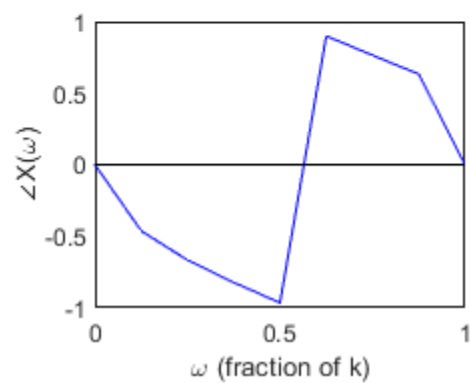
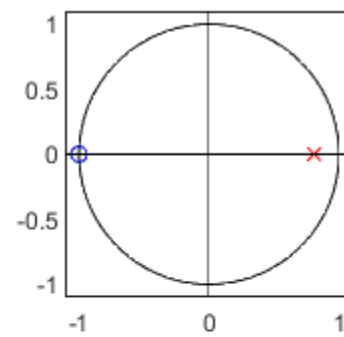
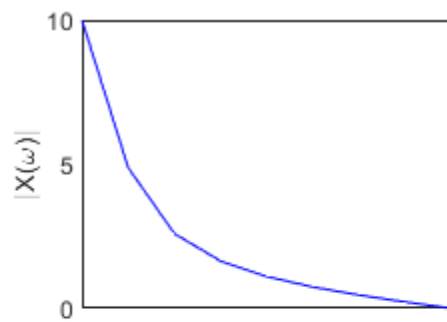
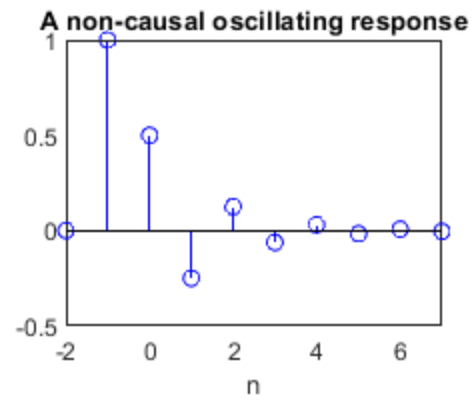
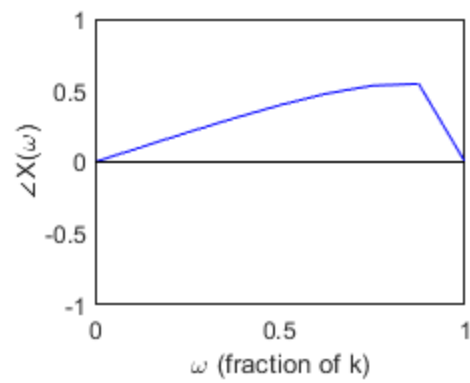
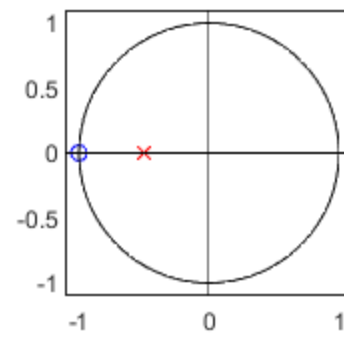
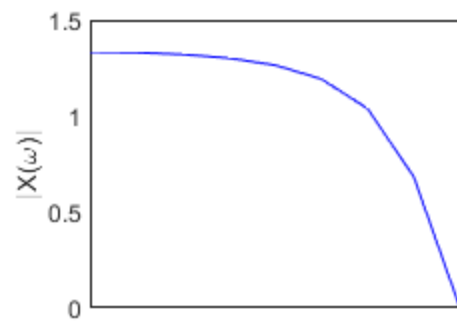
% A non-causal oscillating response
figure
fizplot([0 1 1], [0 0 1 .5]);
title('A non-causal oscillating response');

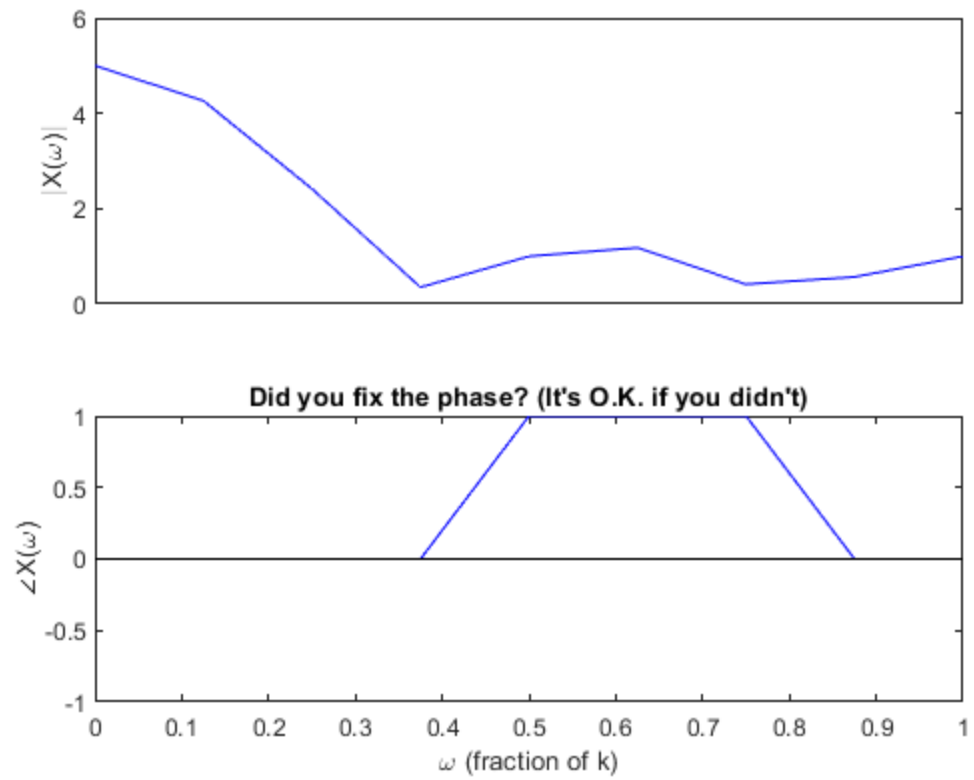
% A delayed decaying response
figure
fizplot([0 0 1 1], [0 1 -.8]);
title('A delayed decaying response');

% 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)');
```









*Published with MATLAB® R2020a*