ECE431: Homework 10

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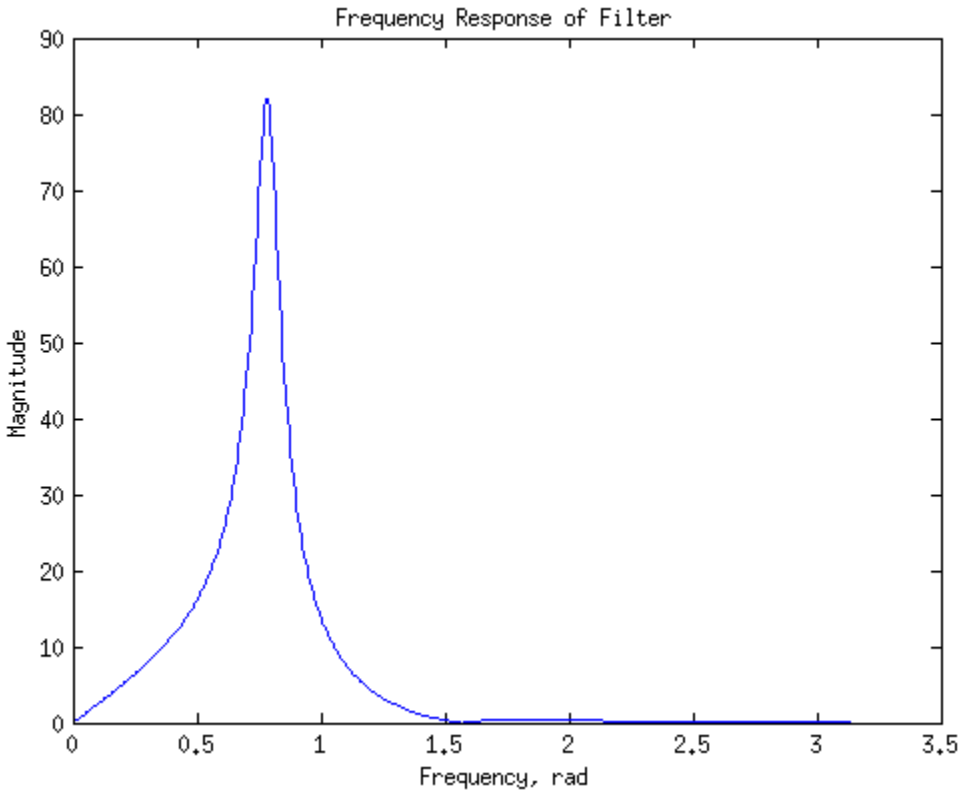
- Due: 11/24/09

Problem 10.3 (c)

Plot the magnitude of the filter frequency response using MATLAB. You can also do latex here, as in $\sum_{n=0}^{N-1} x_n e^{-j2\pi kn/N}$. If I were a student, I would probably put my answer here and describe the script below.

```
B = [1 1.414 1 0 -1 -1.414 -1];
A = [1 -1.3435 0.9025];
[H,W] = freqz(B,A);

plot(W,abs(H))
title('Frequency Response of Filter')
xlabel('Frequency, rad')
ylabel('Magnitude')
```



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