

Homework #4  
Due Tu. 10/28

1. (OS 5.21)

2. (OS 5.24)

Use Matlab to plot the magnitude and phase response of  $H(z)$ ,  $H_{min}(z)$ , and  $H_{ap}(z)$ . Verify the magnitude response of your decomposition is valid.

3. (OS 5.27)

4. (OS 5.34)

5. (OS 5.36)

Use Matlab to plot the magnitude and phase response of  $H(z)$ ,  $H_{min}(z)$ , and  $H_{ap}(z)$ . Verify the magnitude response of your decomposition is valid.

6. (OS 5.45)

7. (OS 5.55)