

Signals and Systems

Homework Assignment #5

Problem 1. Do problem 7.29 in the text (Oppenheim and Willsky).

Problem 2. Do problem 7.31 in the text (Oppenheim and Willsky).

Problem 3. Do problem 7.35 in the text (Oppenheim and Willsky).

Problem 4. Do problem 7.38 in the text (Oppenheim and Willsky) with the cutoff frequency for the low- $\frac{\pi}{T + \Delta}$ pass filter at $\frac{1}{2(T + \Delta)}$ rather than $\frac{1}{T + \Delta}$.

Problem 5. Do problem 7.42 in the text (Oppenheim and Willsky).

Problem 6. Do problem 7.45 in the text (Oppenheim and Willsky).

Problem 7. Do problem 7.46 in the text (Oppenheim and Willsky).