

EE 301 (MWF 2:30-3:20 Section)  
Spring 2013  
Problem Set 4  
Due February 7, 2013

“O&W” is Oppenheim and Willsky, Edition 2.

1. Finding impulse response of LTI discrete-time systems from difference equations: O&W 2.55.
2. Finding impulse response of LTI continuous-time systems from differential equations: O&W 2.56 (b, c, d-ii, e, f-ii).
3. Block diagram realizations of discrete-time systems: O&W 2.57.
4. Fourier series analysis: O&W 3.22 (a - signals in Figures P3.22a and P3.22d).
5. Fourier series synthesis: O&W 3.23 (b, d).

Exam 1 will be held Monday, February 11 from 6:30 - 7:30 pm in LYNN 1136.

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