

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

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

1. Convolution with an impulse train: O&W 2.23 (a, c).
2. Deconvolution: O&W 2.24.
3. Causality and stability based on impulse response: O&W 2.28 (d).
4. Causality and stability based on impulse response: O&W 2.29 (e).
5. Block diagrams: O&W 2.39.
6. Advanced LTI properties: O&W 2.48 (a, b, d, f).
7. Solving differential equations: O&W 2.53 (c - parts i and v).
8. Solving difference equations: O&W 2.54 (c - parts i and iv).

Please help the Smith family raise funds to research a cure for Niemann-Pick Type C disease. Picture shows Julie Smith and two of her children, Keaton and Riley. Go to:

<http://promo.espn.go.com/espn/contests/infiniti/2013/>

Choose Midwest region and select Smith Family BReaK Thru Fund under Matt Painter's name. You have to register with ESPN to vote and can vote once per day.

