Lecture 5 – 09/02/2015

Pages (74 – 90)

- Definitions of linearity and time invariance

- Superposition property

- Characterization of any LTI system in terms of its response to the unit impulse

- Representation of discrete-time systems in terms of impulses
    - Figure 2.1

- Convolution-Sum Representation
    - Why do we need linearity and time-invariance
    - Examples 2.1 – 2.5 (as time permits)

- Take-Away Lesson: Sifting Property