

Lecture 2 – 08/26/2015

- Periodic Signals
 - Fundamental period
 - Example 1.4

- Even and Odd Signals
 - $Ev[x(t)]$ and $Od[x(t)]$

- Exponential and Sinusoidal Signals
 - Purely imaginary exponentials are periodic
 - Fundamental period To Eq. (24)
 - Sinusoidal signals
 - Problem 2.61
 - Used to describe physical systems in which energy is conserved
 - Euler's Relation
 - Fundamental frequency
 - Harmonics have the same use as in music

- General Complex Exponential Signals

- Reading Assignment
 - Discrete-Time Complex Exponentials