

ELEC 310. Lecture 10.

Quiz review

Topics covered by the quiz

- DT signals. Basic concepts
 - Transformations of independent variable
 - Periodicity analysis of DT signals
 - Representations of DT signals
 - Classification of DT signals from an energy viewpoint

Topics (cont'd)

- DT systems. Basic concepts
 - Representations of DT systems. Input-output relationship
 - Properties: linearity, stability, causality, time-invariance
 - LTI systems
 - Convolution
 - Impulse response
 - Stability and causality testing for LTI systems
 - Difference equations

Questions?

Examples

1. Analytical convolution
2. Transformations of DT signals
3. Periodicity analysis
4. Signal representations
5. Testing for system properties
6. Solving difference equations