Key Concepts from Last Time

- Complex sinusoids have several important qualities
  - Constant power (amplitude)
  - Orthogonal
  - Eigenfunctions of systems
- Four classes of signals: DT/CT and periodic/non-periodic
- Periodic signals are defined differently for CT & DT signals
- Harmonic sums are periodic signals with fundamental period \( T \)

Lecture Overview

Last Time

- Syllabus
- Miscellaneous Notes
- Class overview & logistics
- Begin discussion of complex sinusoids

This Time

- DT harmonics
- DT Fourier series
  - Derivation
  - Relevance
  - Example