EECS 210 Section 2 – Lecture Summaries
Lecture 31, Monday, March 26, 2001

- Calculating power is an inherently non-linear process

  ➤ Superposition requires a linear system

  ➤ Superposition cannot be used to compute power

  ➤ Except where source signals are independent within circuit – this occurs when source frequencies differ

- Ratio of output to input signals of a linear system is called the Transfer Function, H( )

  ➤ H( ) is used to characterize performance of filters

  ➤ Bode diagram is a convenient way to view frequency response of a filter

  ➤ Bode diagram has two parts:

    ✓ |H)| in dB vs $\log_{10}($), and

    ✓ H( ) vs $\log_{10}($)