

EECS 210 Section 2 – Lecture Summaries
Lecture 22, Monday, March 5, 2001

- Circuits with resistors and energy storage devices
 - require solving a linear differential equation (LDE)
 - If capacitors and resistors – 1st order LDE
 - If inductors and resistors – 1st order LDE
 - If capacitors, inductors, and resistors – 2nd order LDE
- Use superposition to solve for frequency components
- Use complex algebra
 - To separate in-phase and quadrature source functions
 - To simplify solution of LDE's
 - Yields frequency domain equation in terms of phasors