

Lecture 28

Pre-Lecture Preparation (due within the first 5 minutes of class):

- Read pages 980 – 986 in the textbook (Serway 9th edition) and do the following:
 - 1) Quick Quizzes: 32.5
 - 2) Book Objective Questions (p. 988): 7
 - 3) Book Conceptual Questions (p. 988): 3 and 4

Goals for the Lecture:

- 1) Understand energy oscillations in LC circuits, including the natural frequency of the circuit, and be able to solve problems using energy conservation
- 2) Conceptually understand that RLC circuits are like damped harmonic oscillators

Post-Lecture Study Guide (I do not collect this):

Review the worksheets or other lecture material within 24 hours (preferably the same day as the lecture) to reinforce the ideas. Review the pre-lecture questions to make sure you understand them.

Do problems:

Ch 32: Conceptual Questions: 7

Ch 32: Objective Questions: none

Ch 32: Problems: 37

Continue with the additional recommended study problems from chapter 32