

Exam 2 Review

Exam 2 will cover chapters 16, 17, and 31 (5-6)

Chapters 16, 17: Traveling waves, superposition

Principle of superposition.

Reflection, transmission.

Standing waves: harmonic number, boundary conditions, nodes, anti-nodes.

Interference: path length difference, nodal lines, lines of maximum constructive interference.

- Review the tutorials pp 137-144, 181-186 (solutions are posted on the class website) and their associated tutorial homework exercises.
- Review the standing waves lab + in-class exercises “wave examples”.

Chapter 31 (5-6): EM waves

- Review the tutorial pp 149-152 (solutions are posted on the class website) and its associated tutorial homework exercises.
- Review the in-class exercises “EM wave examples”.