

## CHAPTER OVERVIEW

### 12: Interference

The most certain indication of a wave is interference. This wave characteristic is most prominent when the wave interacts with an object that is not large compared with the wavelength. Interference is observed for water waves, sound waves, light waves, and, in fact, all types of waves.

[12.1: Prelude to Interference](#)

[12.2: Young's Double-Slit Interference](#)

[12.3: Mathematics of Interference](#)

[12.4: Multiple-Slit Interference](#)

[12.5: Interference in Thin Films](#)

[12.E: Interference \(Exercises\)](#)

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