

CHAPTER OVERVIEW

27: Wave Optics

- 27.0: Introduction to Wave Optics
- 27.1: The Wave Aspect of Light- Interference
- 27.2: Huygens's Principle - Diffraction
- 27.3: Young's Double Slit Experiment
- 27.4: Multiple Slit Diffraction
- 27.5: Single Slit Diffraction
- 27.6: Limits of Resolution- The Rayleigh Criterion
- 27.7: Thin Film Interference
- 27.8: Polarization
- 27.9: Microscopy Enhanced by the Wave Characteristics of Light
- 27.E: Vision and Optical Instruments (Exercise)

Thumbnail: Physical optics is used to explain effects such as diffraction; this photo shows diffraction from a single pinhole. (CC-SA-BY-3.0; Wisky).

This page titled [27: Wave Optics](#) is shared under a [CC BY 4.0](#) license and was authored, remixed, and/or curated by [OpenStax](#) via [source content](#) that was edited to the style and standards of the LibreTexts platform.