

## CHAPTER OVERVIEW

### 10: Geometrical Optics

In this chapter, we study the basic properties of light. In the next few chapters, we investigate the behavior of light when it interacts with optical devices such as mirrors, lenses, and apertures.

- 10.1: Prelude to The Nature of Light
- 10.2: Prelude to Geometric Optics and Image Formation
- 10.3: The Propagation of Light
- 10.4: The Law of Reflection
- 10.5: Refraction
- 10.6: Total Internal Reflection
- 10.7: Dispersion
- 10.8: Huygens's Principle
- 10.9: Images Formed by Plane Mirrors
- 10.10: Spherical Mirrors
- 10.11: Images Formed by Refraction
- 10.12: Thin Lenses
- 10.13: The Simple Magnifier
- 10.14: The Camera
- 10.15: Microscopes and Telescopes
- 10.16: The Eye
- 10.17: A\_Vision
- 10.18: Processing\_Visual\_Information
- 10.19: Chemistry\_of\_Vision
- 10.20: Vision\_-\_Anatomy\_of\_the\_Eye
- 10.21: Vision\_-\_Transduction\_of\_Light
- 10.22: Visual\_Processing
- 10.23: Eye\_and\_Ear\_Basic\_Concepts
- 10.24: Vision
- 10.25: Physics\_of\_the\_Eye
- 10.26: Vision\_Correction
- 10.27: Color\_and\_Color\_Vision
- 10.28: The\_Human\_Eye
- 10.29: Photoreceptors/Vision\_and\_Light
- 10.A: The Nature of Light (Answers)
  - 1.A: Geometric Optics and Image Formation (Answers)
- 10.E: The Nature of Light (Exercises)
  - 1.E: Geometric Optics and Image Formation (Exercises)
- 10.S: The Nature of Light (Summary)
  - 1.S: Geometric Optics and Image Formation (Summary)

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