



# Chapter 25

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## Optical Instruments



# Optical Instruments

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- Analysis generally involves the laws of reflection and refraction
- Analysis uses the procedures of geometric optics
- To explain certain phenomena, the wave nature of light must be used

# The Camera

- The single-lens photographic camera is an optical instrument
- Components
  - Light-tight box
  - Converging lens
    - Produces a real image
  - Film behind the lens
    - Receives the image

