Reflection

Objectives

Define Reflection.

Draw diagrams of reflection labeling the normal line, angle of incidence & angle of reflection.

Reflection

light wave strikes an object and bounces off symmetrical and reversible

Law of Reflection

\[ \theta_{\text{incidence}} = \theta_{\text{reflection}} \]

Law of Reflection

\[ \theta_{\text{incidence}} = \theta_{\text{reflection}} \]

Periscope

Periscope
Reflection

M Mirrors

Reflection: Convex Mirror

Regular vs. Diffuse Reflection

- Reflection of light waves from a smooth surface is regular reflection.
- Reflection of light from a rough surface is diffuse reflection.
Reflection of Sound

- Echo is reflected sound from a distance.
- Reverberations are multiple reflections.

Assignments . . .

- Begin Chapter 22 Homework #1 - 3
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