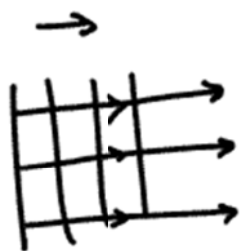


Rays: Straight lines perpendicular to wavefronts.
- Rays show direction wave is traveling.

Straight wavefronts

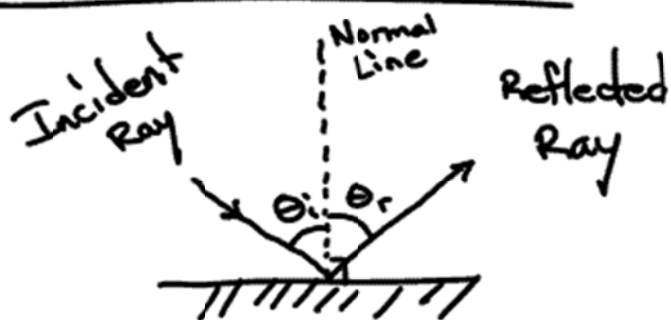


Curved wavefronts



} Rays diverge!!!

Law of Reflection



$$\theta_i = \theta_r$$

Measuring the speed of light $c \approx 3.0 \cdot 10^8 \text{ m/s}$

Roemer - Dutch astronomer

- Used Jupiter's moon to prove c is finite.

Mickelson - Used an octagonal mirror to accurately measure speed of light