

My name is Mike Gentile.
(you can call me "Mike")
mgentile@physics.rutgers.edu

Welcome!

Physics 194 - Lecture 17

Have a question during class? Please ask it right away, even if it means interrupting in the middle of a thought. I want you to!

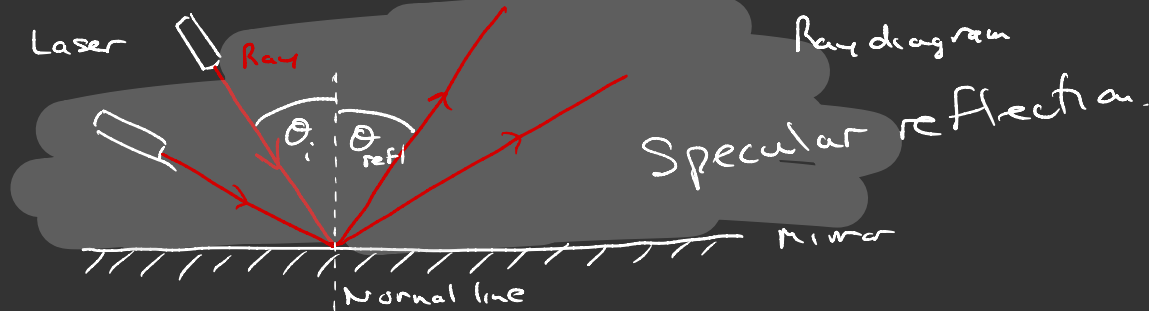
Agenda

- Image formation in plane mirrors
- Curved mirrors
- Image properties

Class
starts
@ 2:15 pm

Light

Let's start with reflection...



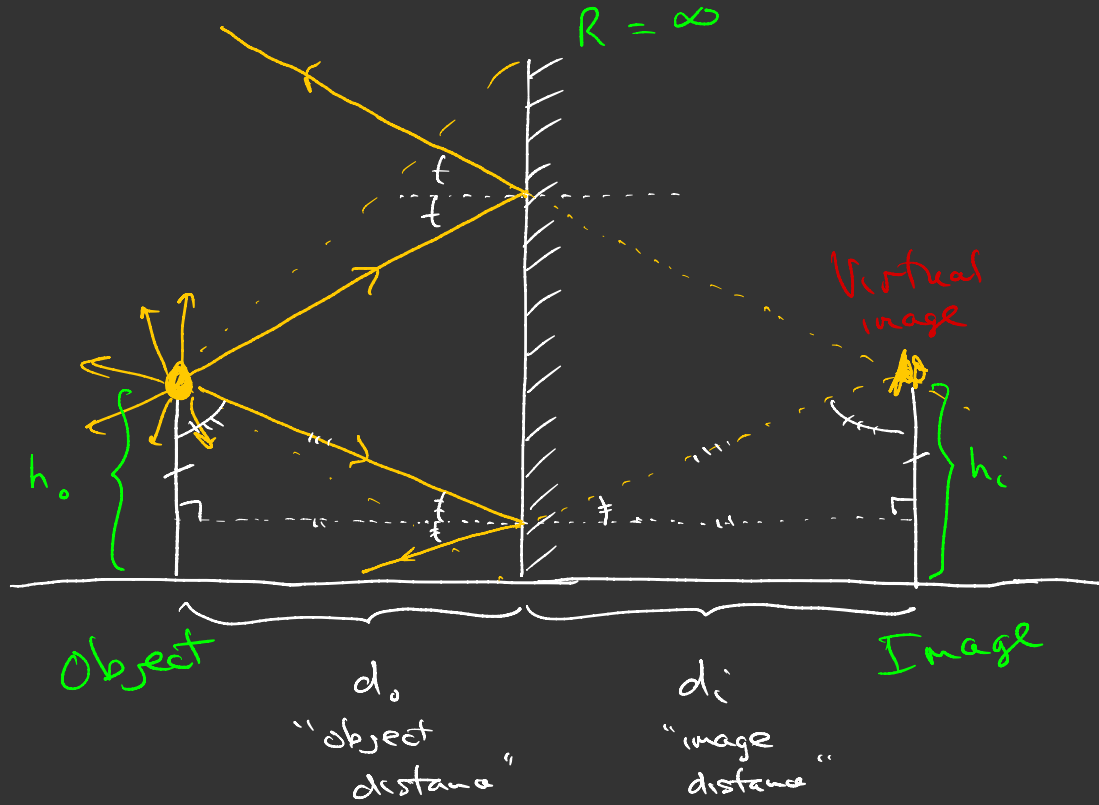
θ_i : Angle of incidence

θ_{refl} : Angle of reflection.

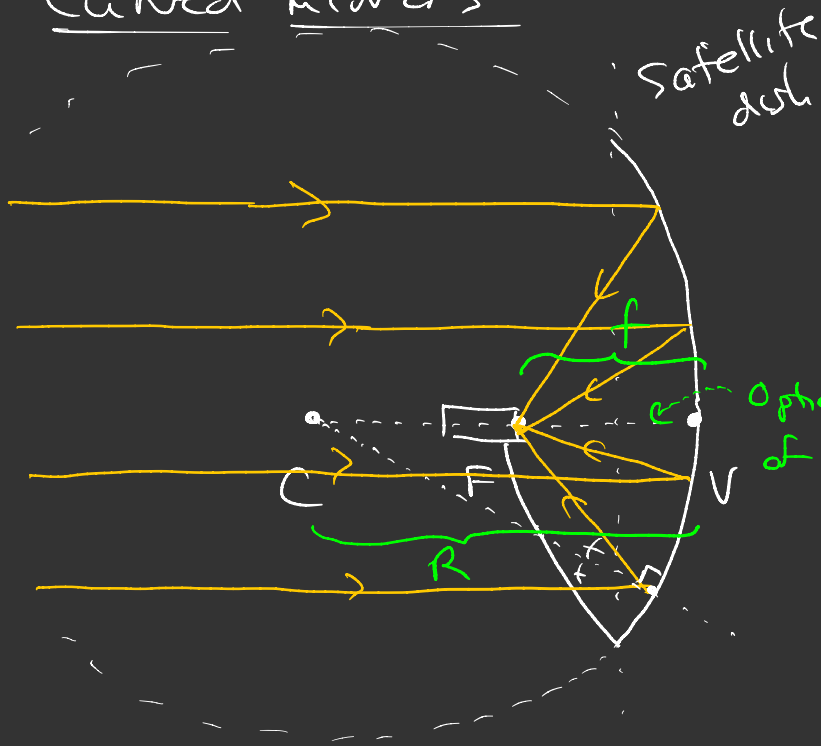
$$\theta_i = \theta_{refl}$$

Law of reflection

Image Formation



Curved mirrors



C: Center

V: Vertex

F: Focal point

Optical axis (or principle axis)
of the mirror

f: Focal length

R: Radius of curvature

$$R = 2f$$

Shaving / makeup mirror

