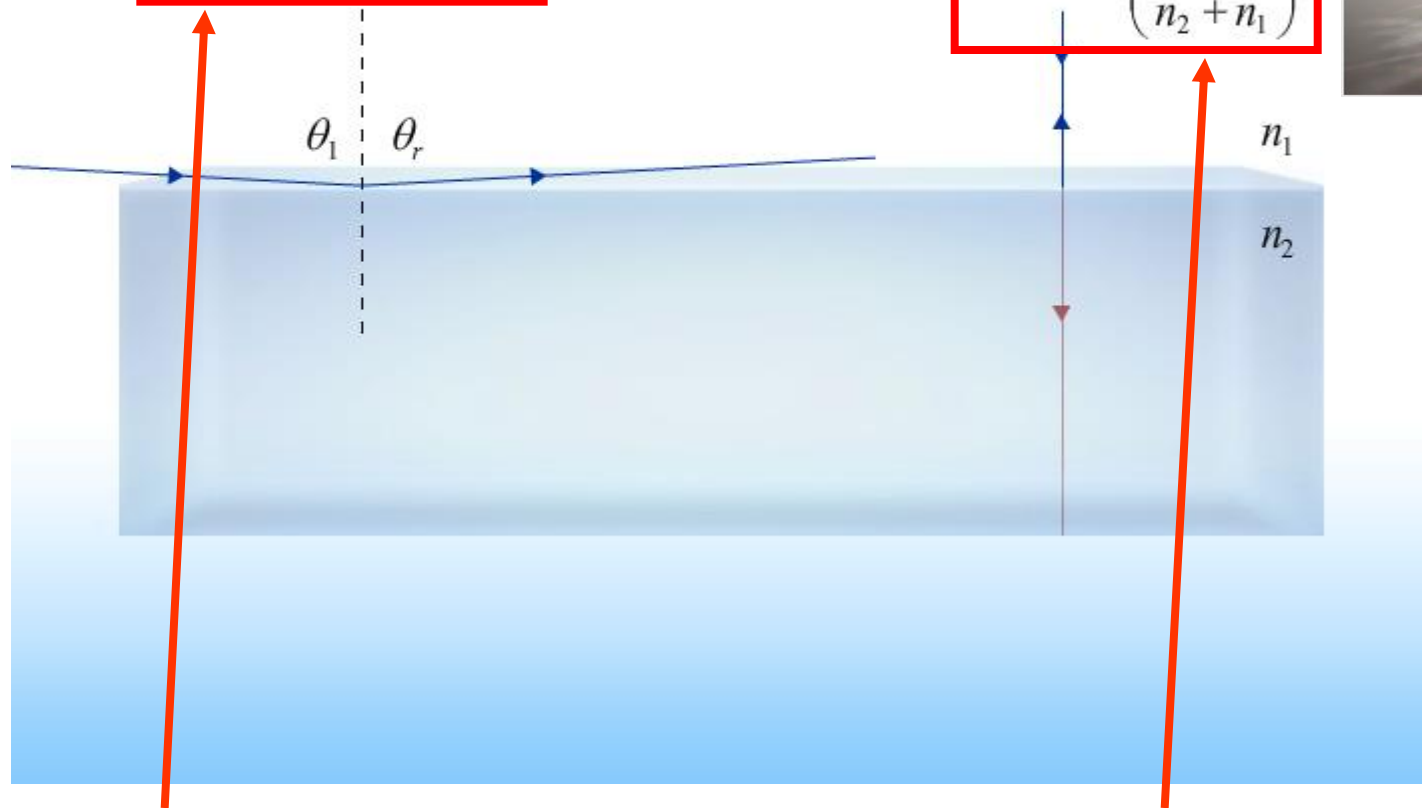


Intensity

Case I: Glancing Incidence

$$\theta_1 \sim 90^\circ$$

Complete Reflection: $R \sim 1$



Case II: Normal Incidence

$$\theta_1 = 0^\circ$$
$$R = \left(\frac{n_2 - n_1}{n_2 + n_1} \right)^2$$



Anything looks like a mirror
if light is just glancing off it.

If two materials have the same n
then its hard to tell them apart.