

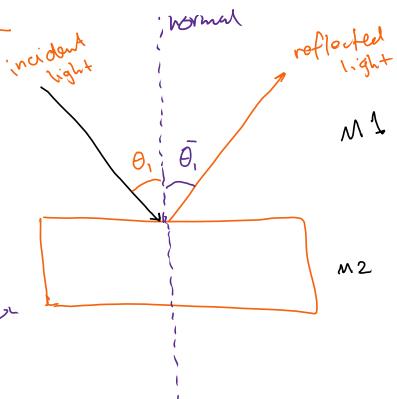
Reflection "

Low of reflection

$$\theta_1 = \theta_1$$

angle of incidence

= angle of refreehing



Refraction: incideright

$$\eta_1 = \frac{e}{v_1}$$
 $\lambda_1 = \frac{v_1}{f_1}$

C

$$v_2$$
 predium 2
 $v_2 = v_2$

Shell's law:
$$\frac{\sin \theta_2}{\sin \theta_1} = \frac{n_1}{h_2} = \frac{\nu_2}{2} = \frac{\lambda_2}{\lambda_1}$$

$$\theta_2 = \sin^{-1}\left[\frac{n_1}{n_2}\sin\theta_1\right]$$

$$f_1 = f_2$$

$$n_1 > n_2 \implies \theta_2 > \theta_1$$

$$n_1 < n_2 \implies \theta_2 < \theta_1$$