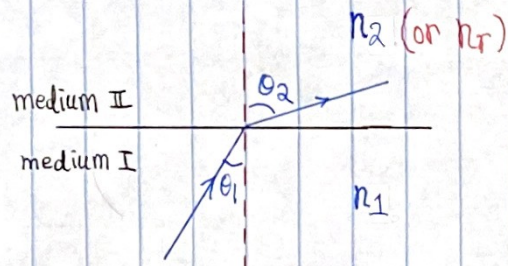
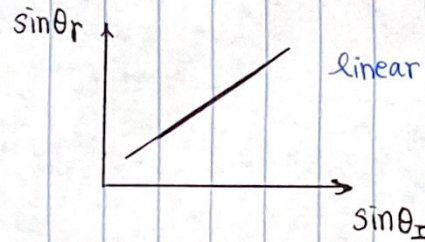


When encounter Brewster angle
the dot will be dimmest

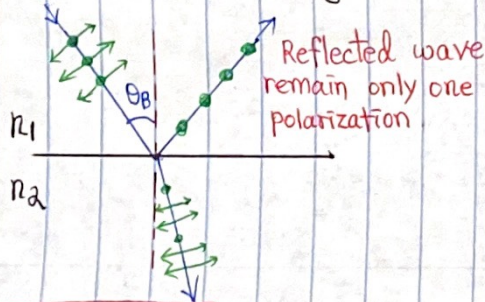
Exp1 Snell's law



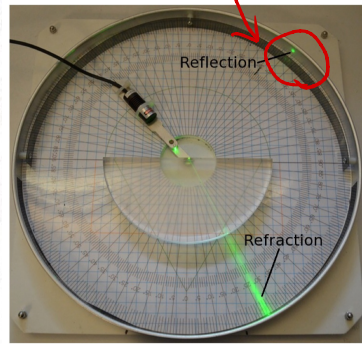
$$n_1 \sin \theta_1 = n_2 \sin \theta_2$$



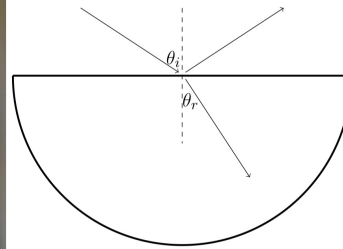
Exp2 Brewster's angle



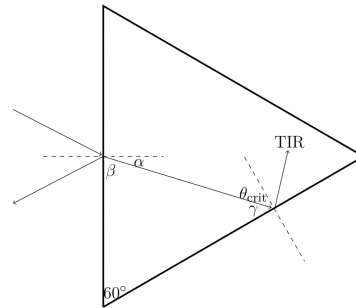
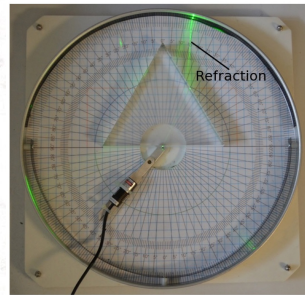
$$\tan \theta_B = \frac{n_2}{n_1}$$



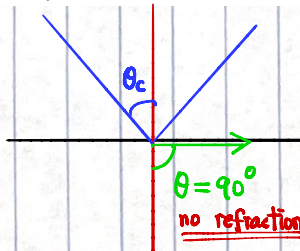
$$n_i \sin \theta_i = n_r \sin \theta_r$$



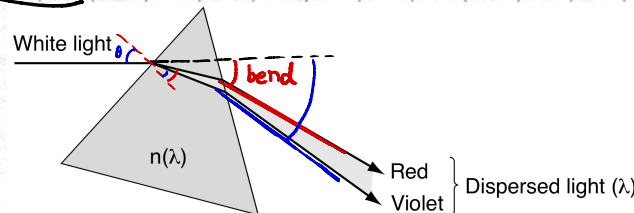
Exp3 Total Internal Reflection



$$\theta_{crit} = 60^\circ - \alpha$$



Exp4 Dispersion



Converging

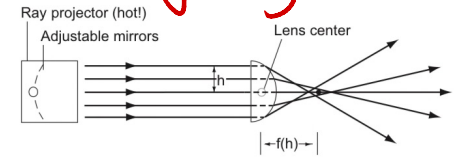
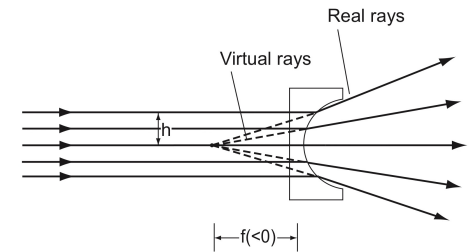
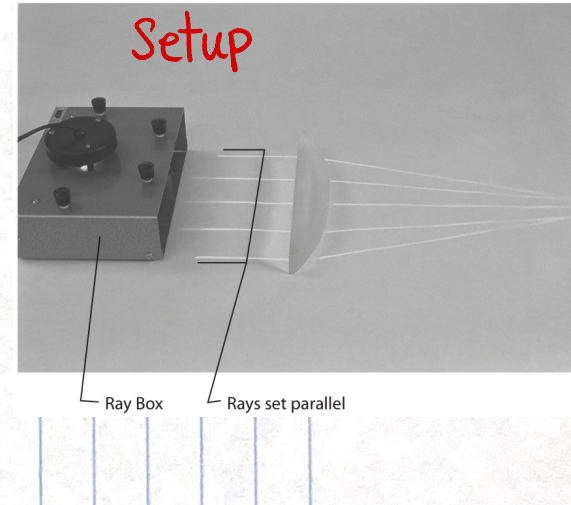


Figure 4: Determining the focal length of a lens (positive focal length).

Setup



Diverging