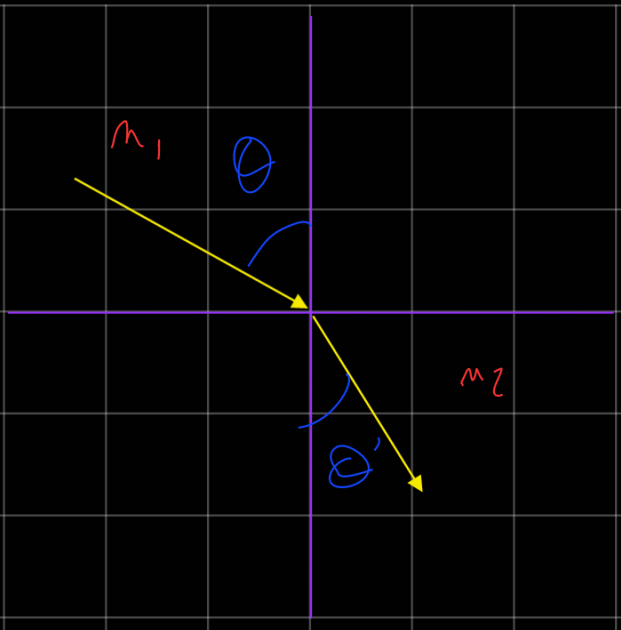
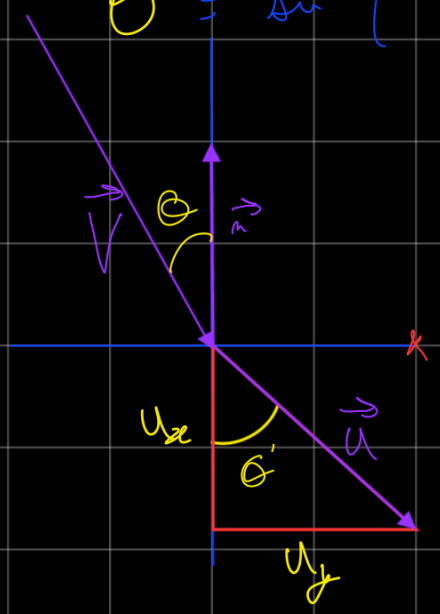


$$n_1 \sin(\theta) = n_2 \sin(\theta')$$

$$\frac{n_1 \sin(\theta)}{n_2} = \sin(\theta')$$

$$\theta' = \sin^{-1}\left(\frac{n_1 \sin(\theta)}{n_2}\right)$$



$$u = \sin(\theta')\,\text{unit}\left(V - (n \times V \cdot n)\right) - \cos(\theta')\,n$$