

Figure 1: Refraction :

$$\frac{\sin(\phi)}{\sin(\theta)} = \frac{V_1}{V_2} = \frac{\lambda_1}{\lambda_2} = \frac{n_2}{n_1} = n_{1 \rightarrow 2}$$

Figure 2: Refraction Max

$$\sin(\phi_c) = \frac{1}{n} = \frac{n_2}{n_1} = \frac{n_{small}}{n_{big}}$$