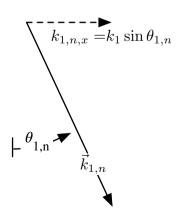


Reflected wavevectors  $\vec{k}_{2,n}$ 



Transmitted wavevectors 
$$ec{k}_{1,n}$$

$$k_{2,n,s} = \alpha_n$$

$$k_{2}\sin\theta_{2,n} = \alpha_n$$

$$k_{2}\sin\theta_{2,n} = \alpha_0 + \frac{2\pi n}{d}$$

$$k_{2}\sin\theta_{2,n} = k_{3}\sin\theta_{2} + \frac{2\pi n}{d}$$

$$\sin\theta_{2,n} - \sin\theta_{2} = \frac{2\pi n}{dk_{3}}$$

$$\sin\theta_{2,n} - \sin\theta_{3} = \frac{n}{d}\frac{2\pi c}{\omega v_{2}}$$

$$\sin\theta_{2,n} - \sin\theta_{3} = \frac{n\lambda_{3}}{dv_{2}}$$

$$\sin\theta_{2,n} - \sin\theta_{3} = \frac{n\lambda_{3}}{dv_{2}}$$

$$\sin\theta_{2,n} - \sin\theta_{3} = \frac{n\lambda_{3}}{dv_{2}}$$