

## Formula sheet #4 - Phys 272

$$I = I_0 \cos^2 \theta$$

$$\frac{1}{s} + \frac{1}{s'} = \frac{1}{f}$$

$$f = \frac{R}{2}$$

$$m = -\frac{s'}{s}$$

$$I = I_0 \cos^2 \frac{\delta}{2}$$

$$\delta = k\Delta r, \quad k = \frac{2\pi}{\lambda}$$

$$\Delta r = d \sin \theta$$

$$a \sin \theta = n\lambda$$