$$\frac{\phi}{2\pi} = \frac{\Delta L}{\lambda}$$

$$N_2 - N_1 = \Delta N = \frac{L}{\lambda}\,(n_2 - n_1)$$

$$2Ln = m\lambda$$

$$2Ln = (m + \frac{1}{2})\lambda$$

$$d\ \sin\theta = m\lambda$$

$$d\ \sin\theta = (m + \frac{1}{2})\lambda$$

$$a \sin\theta = m\lambda$$

$$I_\theta = I_m(\cos\beta)^2 \left(\frac{\sin\alpha}{\alpha}\right)^2$$

$$\beta = \frac{\pi}{\lambda}\ d\ \sin\theta$$

$$\alpha = \frac{\pi}{\lambda}\ a\ \sin\theta$$

$$D = \frac{\Delta\theta}{\Delta\lambda} = \frac{m}{d\cos\theta}$$

$$R = \frac{\lambda_{médio}}{\Delta\lambda} = Nm$$

$$\sin\theta_R \approx \theta_R = 1{,}22\frac{\lambda}{d}$$

$$2d\sin\theta = m\lambda$$