

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

$$\theta = \sin^{-1} \left(\frac{m \lambda}{d} \right)$$

$$\text{for } m = 2$$

$$\theta_2 = \sin^{-1} \left(\frac{2 \lambda}{d} \right) = \sin^{-1} \left(\frac{2 \times 5.89 \times 10^{-7}}{\frac{1}{3550 \times 10^2}} \right)$$

$$\theta_2 = 24.7^\circ$$