

例題2 解答例

$$(1) \quad d = \frac{1 \times 10^{-2} \text{ m}}{2000} = \frac{1}{2} \times 10^{-5} \text{ m} = 5.0 \times 10^{-6} \text{ m}$$

$$(2) \quad d \sin \theta = m\lambda \text{ より}$$

$$\lambda = \frac{d \sin \theta}{m} = \frac{5.0 \times 10^{-6} \cdot \sin 8^\circ}{1} = 5.0 \times 10^{-6} \cdot 0.14 = 7.0 \times 10^{-7} \text{ m}$$

