

例題 1 解答

$$n_{12} = \frac{\sin i}{\sin r} = \frac{v_1}{v_2} = \frac{\lambda_1}{\lambda_2} \quad \text{を使う}$$

$$n_{12} = \frac{\sin 30^\circ}{\sin 45^\circ} = \frac{\sqrt{2}}{2}$$

$$v_2 = \frac{v_1}{n_{12}} = 2\sqrt{2} \text{ m/s}$$

$$\lambda_2 = \frac{\lambda_1}{n_{12}} = 5\sqrt{2} \text{ m}$$