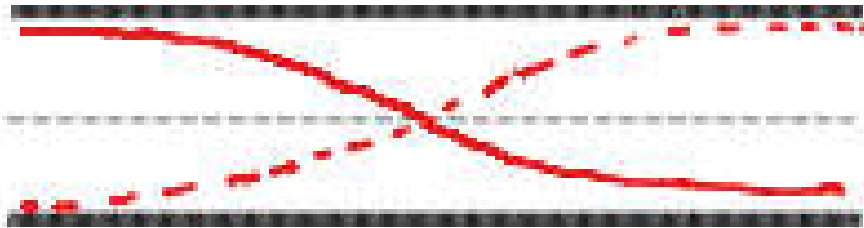


例題1 解答

[1]

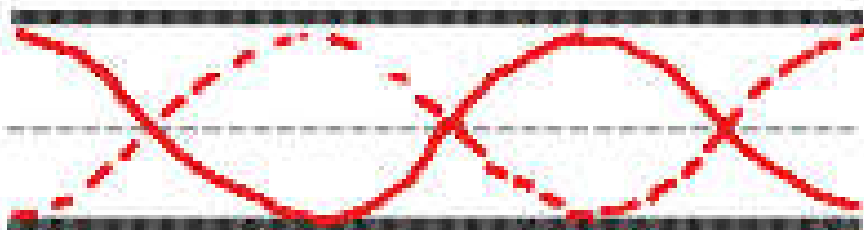
基本振動



2 倍振動



3 倍振動



$$\lambda_1 = 2L = 2 \cdot 0.17 = 0.34 \text{ m}$$

$$f_1 = \frac{V}{\lambda_1} = \frac{340}{0.34} = 1.0 \times 10^3 \text{ Hz}$$

$$\lambda_2 = L = 0.17 \text{ m}$$

$$f_2 = 2f_1 = 2.0 \times 10^3 \text{ Hz}$$

$$\lambda_3 = \frac{2L}{3} = \frac{2}{3} \times 0.17 = 0.11 \text{ m}$$

$$f_3 = 3f_1 = 3.0 \times 10^3 \text{ Hz}$$