

35.2

Dane:

$$\lambda = 1,25 \text{ m}$$

$$T = 4,5 \text{ s}$$

$$t = 90 \text{ s}$$

Suchane:

$$s = ?$$

Wzrost:

$$v = \frac{\lambda}{T}, \quad s = v \cdot t$$

Rozwiązanie:

$$v = \frac{\lambda}{T} = \frac{1,25 \text{ m}}{4,5 \text{ s}} = \frac{5}{18} \frac{\text{m}}{\text{s}}$$

$$s = v \cdot t = \frac{5}{18} \frac{\text{m}}{\text{s}} \cdot 90 \text{ s} = 25 \text{ m}$$

Odp: 25 m