

35.6

Тема: Механика 19 мм

Дана:

$$v_p = 340 \frac{\text{m}}{\text{s}}$$

$$v_o = 5300 \frac{\text{m}}{\text{s}}$$

$$s = 450,5 \text{ m}$$

Спросите

$$\Delta t = ?$$

$$v = \frac{s}{t}, t = \frac{s}{v}$$

$$t_p = \frac{s}{v_p}, t_o = \frac{s}{v_o}$$

$$t_p = \frac{450,5 \text{ m}}{340 \frac{\text{m}}{\text{s}}} = 1,325 \text{ s}$$

$$t_o = \frac{450,5 \text{ m}}{5300 \frac{\text{m}}{\text{s}}} = 0,085 \text{ s}$$

$$\Delta t = t_p - t_o$$

$$\Delta t = 1,325 \text{ s} - 0,085 \text{ s} = \underline{\underline{1,24 \text{ s}}}$$