

RZP - pokračování 2

zrychlení



$$t_1 \rightarrow v_1$$

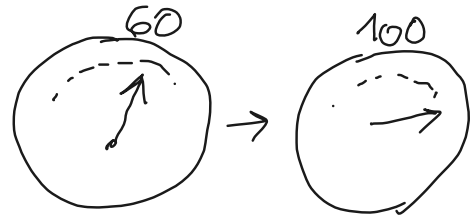
$$t_2 \rightarrow v_2$$

$$\Delta t = t_2 - t_1$$

$$\Delta \vec{v} = \vec{v}_2 - \vec{v}_1$$

$$\vec{a}_p = \frac{\Delta \vec{v}}{\Delta t}$$

$$a_p = \frac{\Delta v}{\Delta t}$$



v_1

t_1

v_2

t_2

$$\Delta t = t_2 - t_1$$

$$\Delta v = v_2 - v_1$$

$$v_p = \frac{\Delta s}{\Delta t} \quad ; \quad a_p = \frac{\Delta v}{\Delta t} = \frac{3 \frac{m}{s}}{1 s}$$

$\frac{t}{s}$	5	6	7	8
$\frac{s}{m}$	12	14	19	20

$$t_1 = 5s, t_2 = 8s \rightarrow \Delta t = 3s$$

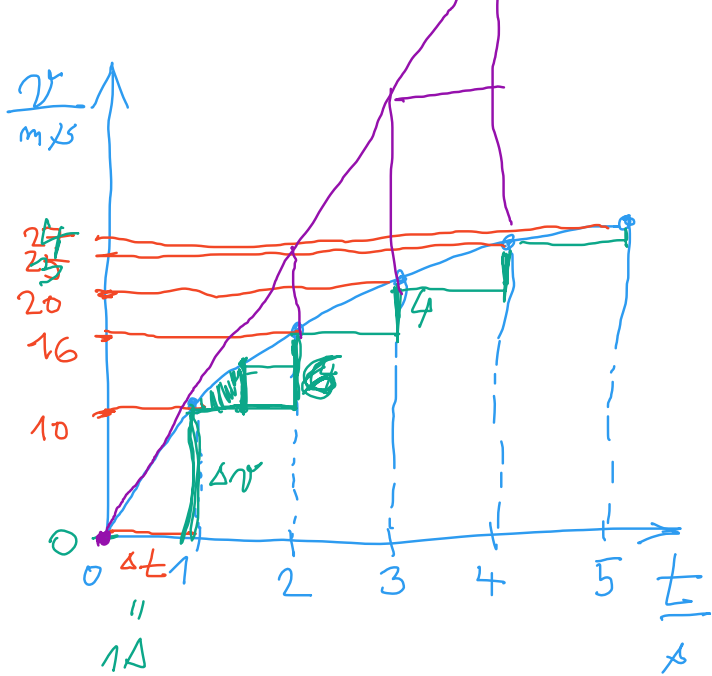
$$s_1 = 12m, s_2 = 20m \rightarrow \Delta s = 8m$$

$$v_p(5;8) = \frac{8}{3} \frac{m}{s} = 2,67 \frac{m}{s}$$

$$v_p(6;7) = \frac{5}{1} = 5 \frac{m}{s} \approx v_{ok} \quad (t=6,5)$$

$$v_p(5;6) = \frac{2}{1} = 2 \frac{m}{s}$$





$$a_p(0 \div 1) = \frac{\Delta v}{\Delta t} = \frac{10}{1} = 10 \frac{\text{m}}{\text{s}^2}$$

$$a_p(1 \div 2) = \frac{6}{1} = 6 \frac{\text{m}}{\text{s}^2}$$

$$a_p(2 \div 3) = \frac{4}{1} = 4 \frac{\text{m}}{\text{s}^2}$$

$$a_p(3 \div 4) = \frac{3}{1} = 3 \frac{\text{m}}{\text{s}^2}$$

$$a_p(4 \div 5) = \frac{1}{1} = 1 \frac{\text{m}}{\text{s}^2}$$

• ZRÝCHL.

• NEROVNOM. ZR. POHÝB // // // //

RZP.