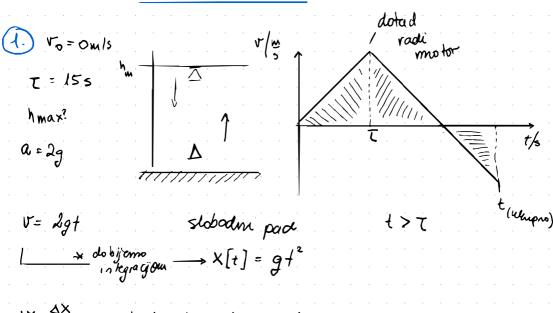
KINEMATIKA



$$\Delta t = t - T$$

$$2g \int t dt = x[t] \longrightarrow \chi g^{-1}, t^2 = x[t] = \chi t = gt^2$$

$$W = \frac{\pi}{4s}$$
 $V[t] = \frac{dy(t)}{dt} = 2\cos(\omega t) \cdot w$

$$V[i] = ? \implies V[t] = 2 w \cos(\omega t)$$

$$\exists z \in \mathbb{Z} \times \mathbb$$

$$\overline{a}, \alpha? \qquad \nabla[\tau] = 2 \cdot \frac{\pi}{4s} \cdot \cos(\frac{\pi}{4}\tau) = \frac{\pi}{2s} \cos(\frac{\pi}{4}\tau)$$

Sreduja brina =
$$\frac{\text{ulupmi put}}{-11-\text{uritime}} \rightarrow \bar{v} = \frac{1}{t_1-t_0} \int_{t_0}^{t_1} |v(t)| dt$$

$$V[1] = \frac{\pi}{2s} \cos\left(\frac{\pi}{4s}\right)$$

$$\overline{V[Q_2]} = \frac{1}{2} \int_0^2 \frac{\pi}{2s} \cos(\frac{\pi}{4}t) dt = \frac{\pi}{4s} \int_0^2 \cos(\frac{\pi}{4}t) dt$$

$$= \frac{\pi}{4s} \int_0^2 \cos(\frac{\pi}{4}t) dt$$

$$= \frac{2}{4s} \cdot \frac{2}{s} \cos(\frac{\pi}{4}t) dt - \frac{4}{4s} \int_{0}^{\infty} \cos(\frac{\pi}{4}t) dt$$

$$= \frac{4}{4s} \cdot \sin(\frac{\pi}{4}t) \int_{0}^{2} \frac{4s}{4t} = \sin(\frac{\pi}{4}t) - \sin(\frac{\pi}{4}t) dt$$

$$\begin{array}{lll}
\boxed{3} & v_1 = 161 \text{ bull} \\
V_2 = 29 \text{ bull} \\
\boxed{1} & v_2 = 29 \text{ bull} \\
\boxed{1} & v_2 = 29 \text{ bull} \\
\boxed{2} & v_2 = 29 \text$$

$$\begin{array}{ll} (2[t] = v_0 t) & \text{na knaju se securstans} \\ (2[t] = v_0 t) & \text{Na knaju se securstans} \\ (2[t] = v_0 t) & \text{Na knaju se securstans} \\ (3[t] = v_0 t$$

$$X_1[t] = X_2[t]$$
 (2ato aduzimamo D)
 $V_1 + -\frac{at^2}{2} - D = V_2 + \frac{x_1^2}{2}$

$$\frac{\sqrt{1}}{a} - \frac{\cancel{a}}{2} \cdot \frac{\sqrt{1}}{\sqrt{0,2}} - D = \sqrt{2} \cdot \frac{\sqrt{1}}{a}$$

$$-676a = \frac{29.161}{a}$$

$$-676m = \frac{29.161}{a}$$

$$-676m = \frac{290}{36} \cdot \frac{1610}{36} \cdot \frac{1}{a}$$

$$a = \frac{290.1610}{36^2} \cdot \frac{1}{676}$$