

F4 - Dynamika

1.NPZ

Zákon setrvačnosti

$$\vec{F} = 0 \rightarrow \vec{a} = 0 \rightarrow \vec{v} = \textit{konst.}$$

2.NPZ

Zákon síly

$$\vec{F} = m * \vec{a}$$

$$\vec{M} = \vec{f} \times \vec{r}$$

$$\vec{I} = \nabla p$$

$$\vec{F} = m * \frac{dv}{dt}$$

3.NPZ

Zákon akce a reakce

$$\vec{F}_{1,2} = -\vec{F}_{2,1}$$

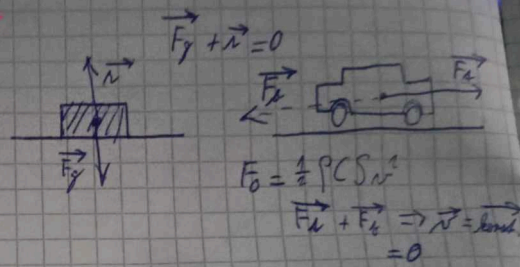
Nedají se sčítat, protože mají 2 působišť

I. NPZ

- colore albiccioli

$$\vec{F} = 0 \Rightarrow \vec{a} = 0 \Rightarrow \vec{v} = \text{const.}$$

Dynamika


$$r = 1 \text{ A}$$
$$L = 100 \text{ m}$$
$$\omega = 36$$
$$f = 0,$$

değide

II. NPZ

-color city

$$\vec{F} = m \cdot \vec{a}$$

$$\Leftrightarrow \begin{bmatrix} F_x \\ F_y \end{bmatrix} = m \cdot \begin{bmatrix} a_x \\ a_y \end{bmatrix} \rightarrow \vec{F} = m \cdot \frac{\Delta \vec{v}}{\Delta t}$$

$$\Delta \vec{v} = \vec{v} - \vec{v}_0$$

$$\vec{F} = m \frac{\Delta \vec{v}}{\Delta t}$$

$$\frac{dL}{dt} = \frac{dW}{dt}$$

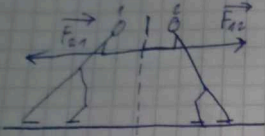
III. NPZ

-salon des a robes

Diagram showing two point charges, Q_1 and Q_2 , with forces F and F_{12} indicated.

III. NPZ

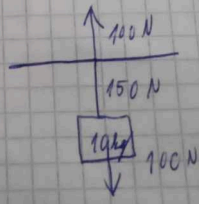
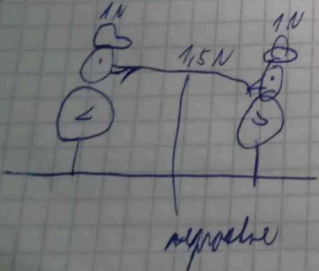
-color also a notice



$$\vec{F}_{12} = -\vec{F}_{21}$$

~~$$\vec{F}_{12} + \vec{F}_{21} = 0$$~~

- nedělí se sčítal, probíhá nyní 2 púsovišti



refojdo

