DINAMIKA, steers (I. & I Nowhow saleon - estica na koje me djeluje silve giba ne stulnom enomom eli minuje /- u kojim ret nustanu la injidi? NIJEDNOM! čim posledamo iz dnegog sustava , to ne onjedi (neiner aj sku refi ako pak nila djeluje onda je jedneska = F=mai (namo ineverjski, * na četicu dycheje više nila, a J. N.Z. ne odubni na njihov (vektovski) zemij => REZULTANIMA SIAA - exhonaino mmostro inerejosily referentante devira -> kdikina gebonja: \$\overline{p}^2 = m \overline{v} \big[kgm/s] $(=) \vec{F} - \frac{a}{at} \vec{F} - \frac{d}{at} \cdot m\vec{V} = m \cdot \frac{d}{at} \cdot \frac{ds}{at} =) \vec{F} = m \cdot \vec{a}$ Pokus knuzno gibanje * jur je 1 k proteže ne u z -on kulma lotzina $w_2 = \frac{a \phi_2}{at} / dt$ $\text{Wasti} = \text{d} \phi_2 / \text{s}_6$ → integracyon W2 mozemo 2nah za koliko ne vijak obrenuo $\int_{\mathbb{R}} w_{\varepsilon}[t'] dt' = \int_{\mathbb{R}} d\varphi_{\varepsilon}$ $= \sqrt{\int_{0}^{t} W_{2}[t'] dt' + D_{2}[t]} = D_{2}[t]$ $\int_{\epsilon}^{\epsilon} w_{\epsilon}[t] dt = \Phi_{2}[t] - \Phi_{2}[t_{0}]$ Primjer: Sila trenja jeanod De gibonja: N F pay 1: may = N-mg = 0 - N=mg po x \ max = -Fm = -uN max = - um g => ax = - mg Pokus: Kosina jeonadsta gibanja. may = N - mg = a g. cosa - prieme doje po. y. + = F. Mgx => N=mg.co.sd max = mgx Fer gisind max = Mysind-My M

yelra anah izod

=> ax - g (sind - n)

waterno hi se atorajula ->

Primjer kolotur (padostes) jeanostra gebourge *Samus y ost magi = T-mig * a = y1 m2 a2 = r-m23 $\Delta y_1 = -\Delta y_2$ $\Delta y_1 = -\Delta y_2 / \Delta t$ (pomak jennog hjela = pomak drugoj hjela) di - dyi / de $\Rightarrow y, = -y_{L}$ => m, a, = T-m, g - m1 a = T-m29/ $y_1 - g \frac{m_2 - m_1}{m_1 + m_2} = -y_2$ a, (m,+m2) = -m,g+m2g ar(m1+m2) = g(m2-m1) Fringer Koloture (2) jeanadita gebanja VEZA: dy, = - 2 dy 2 m, y, = T - m, g dy = - 2 dy 2 m2y2 = 2T-m2g y, = -2 y2/ ax -mr2y2 = T-mrg/ (-2) m2 y2 = 2T - m2g $4m_1y_2 = -2T + 2m_1g$ $m_2y_2 = 2T - m_2g$ 4m, y + + m = y = 2 m, g = m = g y2 (4m1+m2) = 9 (2m1-m2) $y_2 = g \frac{2m_1 - m_2}{4m_1 + m_2} = y \quad y_1 = \frac{2(m_2 - 2m_1)}{4m_1 + m_2}$

- sila ovisna o brani $m \frac{d\vec{r}}{dt} = \vec{F}[\vec{r}]$ sheay grown a m dv. = F. (v.) $m \int_{V_0}^{V} \frac{dV_x'}{Fx} = \int_{F}^{L} dt \longrightarrow m \int_{V_x[f_0]}^{V_x[f_0]} \frac{1}{F_x} dv_x = \ell - \epsilon_0$ * shučaj Fx[vx] = (-) ov. originava da brzina ima predzinak koji mas , koĉi (kontra singer, isti izmos) welckin khnici -> WET $m \int_{V_{\mathbf{x}}[\mathbf{h}]}^{V_{\mathbf{x}}[\mathbf{h}]} \frac{1}{-bV_{\mathbf{x}}} dW_{\mathbf{x}}' = > \frac{-m}{b} \int_{V_{\mathbf{x}}[\mathbf{h}]}^{V_{\mathbf{x}}[\mathbf{h}]} \frac{dV_{\mathbf{x}}'}{V_{\mathbf{x}}} = \frac{-m}{b} \cdot \ln |V_{\mathbf{x}}'| \Big|_{V_{\mathbf{x}}[\mathbf{h}]}^{V_{\mathbf{x}}[\mathbf{h}]}$ => $\frac{-m}{b} \left(\ln \left| \nabla_{x}[t] \right| - \ln \left| \nabla_{x}[b] \right| \right) = \left[\frac{-m}{b} \cdot \ln \left| \frac{\nabla_{x}[t]}{\nabla_{x}[b]} \right| \right)$ in Equation 5. $\frac{-m}{b} \ln \left| \frac{\sqrt{\lambda(h)}}{\sqrt{\kappa(h)}} \right| = t - to = > \ln \left| \frac{\sqrt{\nu(h)}}{\sqrt{\kappa(h)}} \right| = \frac{-b}{m} \left(t - t_0 \right) / e$ $\frac{\sqrt{x[t]}}{\sqrt{x[t]}} = e^{-\frac{b}{m}(t-t_0)} = \sqrt{x[t]} = \sqrt{x[t_0]} e^{-\frac{b}{m}(t-t_0)}$ Sile "load cell ordic p 11 slabijar'

/ placica i na njoj

v dolano do promjime ne djeluje sila turet poteze costerouje sanjaya placice > sabjouge (kee da r "mish")

