Morgas egyenlet

a= dv = dri = i

Minden ami Newtom 2. axiom ajoin alapsoit

rása) Mozgastoniemy (Utoniemy  $\int_{x_0}^{t} dx = \int_{x_0}^{t} volt = \int_{t_0}^{t} (v_0 + at)olt = v_0 \int_{t_0}^{t} dt = \int_{t_0}^{t} (t - t_0)^2$ alaska vi ic) breek =) x-x0=vo(t-t0)+a(t-t0)2 = vot+at2 risito i encl Egyemes Vornali mozgois (egyentetes /voltoro) midi Kommorgas ds = Rola ds - Lerületi w= do v= R·w [w]s= , ned sebesseg at= a = dv = d (R·w) = R dw = RB B = dw [B]= 1 mad/sz  $\frac{x-x_0}{R} = \frac{\sigma_0}{R} t + \frac{\alpha t^2}{2 \cdot 2}$   $\frac{\Delta \theta}{R} = \frac{\omega_0 t}{2 \cdot 2} + \frac{\delta t^2}{2 \cdot 2} = \frac{1}{40} = \frac{1}{10} = \frac{$ den Dimamila 1. Tehetet lense'g N.T. 2. Impulsus és éro kis schesseg eseteben  $\overline{T} = \frac{d\rho}{dt} = \frac{d(m \cdot \vec{v})}{dt} = m \frac{d\vec{v}}{dt} = m \cdot \vec{\alpha}$   $(\overline{T})_{s,=1} kg \cdot \frac{m}{sc} = 1N$ 3. Hotas visscohalis FABTEBA = O FAB = -FBA => FAB=FBA (skalarisan) 4. Enchatások függetlensége At ero'k eredo'jett tell sigyelembe venni vogg felirari det bilon kirlon. Mitor melyik jo.

Rimemadika (Amyagi pomt helyvaltoztatasanak lurasa) Mozgasto Kings bossed with at [V]si= Im/s  $\frac{1}{h} = \frac{1}{316} \frac{m}{s}$ =) X-X0 Vpill = 3 = lim 4/2 uni megegyesik a palya erintőjenek iranyavol as iranya Gyonsulas ak = do (a) si = 1 m/s2 hasomban a se besselghed The int tea = à pill = a = lim do = An do incomin I .- X. moramal ggonsulas tangen cialis agos das könmorgás esctém váltero sebességen morgas exten megegyezik inamya a sugar ina-myaval, de a inamyihasa az O feli a = am = lim uv uo = lim us lim uo = v lim us lim uo = v l v = bz

L morimalis opossulos L'monmalis gyorsulas a= lim do = lim or + lim ov an + at = at = lim or to at Sebessig torvery Sdv - Jadt = a Jett => v-vo = a(t-to)=) v=vo+a(t-to)

Jdx =

guenes

Gramorg

mam

Tehet

Impo

kis s

3. Hotas

4 · Eno

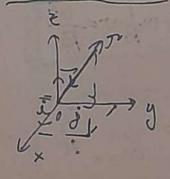
## Elmelet 17

mentekegyses / magysagremal / modellet / menny seget / vomatkostatos nendszeral

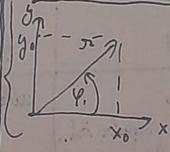
Koondimatarendsserale

Décartes.

3 Simemzio ban

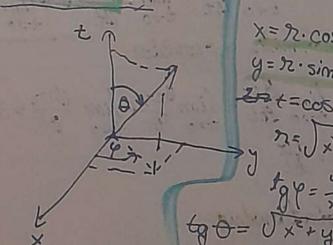


2 Dimenzio ban



40=12. simy tap= y

3 Simenzioloan



X= 2. cosf sim 17 y= 2. simy simo 2= += cos 0-