PYSIKH 1 Swancish 19

Trapadeigner DE Enjuga attorejairen atto 212 enjuga 2L O apop no papolos papon's p Theprospégezen sipon atto 20 Kévapo ms pabdon, wote ou tax. orixant ra enver

× xau -V. d) Toon evan noon son onnazos;

b) Hoon evan n XE; $2) \quad f = mv + m(-v) = mv - mv = 0$ Exolo To KM der Travdera. B) KE=0 don n Tax. rov KM=0 1A005.

KE = adpoint a tour KE Tour YE $KE = \frac{1}{2}m[Y]^2 + \frac{1}{2}m[-Y]^2 =$ $= m|Y|^2 > 0$

Moimor exa en orina pet open finder alta EE >0!!!!!! Avri der unoper na orugen' of ea 82.

Apa sia extérapéra orgnazar Covornura 85 n'ocepea oujuara) Zee Tragnata 6 mm 1700 Tros Joka att on ma 85 Hora sian ndaepopa Eva VE proper no kirgiral. En owna paper re rivairan (Dry va korviciae 20 KM) asta ettion) utropes va treprotoegerau ovou ato ro KM.

POTTH, ETPOPOPMH exterapéror organtor. es(t) otal. Era 82 karn rukyskn kimon Aokertai Wxara Stragen F

(1)

DEJW M BOW TO ATTENDOOLO EDSO ms E oran VE ziveren word n surva ra asla ser kaza del. $dW = E \cdot dr$ Hobo Gian ro de ma kuky. Kimon, $\mathcal{X} = \mathcal{N}e_{\mathcal{X}} = \frac{d}{dt}\mathcal{X} = \mathcal{N}\frac{d}{dt}e_{\mathcal{N}}$ Ornaina de en = do eo es de n den-rdo eo Fodr = rdD F.eo = dW

Fig.: ovnoræsæ ens svaguns E equitionem sinv tpoxia. E E E o.

dW= rF, do

E.dr = rFT dd = dW

T = rFT = point aus
Swapens E.

, *(*

dW= todr= TdV Epso = dimun X assam Déons = - porm X astam sourious Pottn eine auzo ton kainer Epso trans omvassagn zus zu vias (onws diagen kaver spor ramount astagn m) Déons Ti Eilain pottin; Yttonom, Da zon opisonuc.

Equation overotion

$$F_T = F \cdot e_0 \quad e_0 = -\sin\theta \, i + \cos\theta \, j$$

$$(e_r = \cos\theta \, i + \sin\theta \, i)$$

$$A = -\sin\theta \, F_x + \cos\theta \, F_y$$

$$P_0 = \pi$$

$$T = T = -r \sin\theta \, F_x + r \cos\theta \, F_y = -r \sin\theta \, F_x + r \cos\theta \, F_y = -r \sin\theta \, F_x + r \cos\theta \, F_y = -r \cos\theta \, F_y = -r \cos\theta \, F_x + r \cos\theta \, F_y = -r \cos\theta \, F_x + r \cos\theta \, F_y = -r \cos\theta \, F_x + r \cos\theta \, F_y = -r \cos\theta \, F_x + r \cos\theta \, F_y = -r \cos\theta \, F_x + r \cos\theta \, F_y = -r \cos\theta \, F_x + r \cos\theta \, F_y = -r \cos\theta \, F_x + r \cos\theta \, F_y = -r \cos\theta \, F_x + r \cos\theta \, F_y = -r \cos\theta \, F_x + r \cos\theta \, F_y = -r \cos\theta \, F_x + r \cos\theta \, F_y = -r \cos\theta \, F_x + r \cos\theta \, F_y = -r \cos\theta \, F_x + r \cos\theta \, F_y = -r \cos\theta \, F_x + r \cos\theta \, F_y = -r \cos\theta \, F_x + r \cos\theta \, F_y = -r \cos\theta \, F_x + r \cos\theta \, F_y = -r \cos\theta \, F_x + r \cos\theta \, F_y = -r \cos\theta \, F_x + r \cos\theta \, F_y = -r \cos\theta \, F_x + r \cos\theta \, F_y = -r \cos\theta \, F_x + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y = -r \cos\theta \, F_y + r \cos\theta \, F_y = -r \cos\theta \, F_y =$$

Z = -Ytx +XTX POTTH

Tumsen kan; der einn eour. snoper, asta nooi snoper evan; Rowmis Ezw Zepiles 87 hó 450 $2 \times F = \det \begin{bmatrix} \dot{\nu} & \dot{j} & \dot{k} \\ \dot{x} & \dot{y} & 0 \end{bmatrix} = \underbrace{2\pi \pi \pi \epsilon \delta o}$ $= 0 \cancel{b} + 0 \cancel{j} + (\cancel{x} F_y - \cancel{y} f_x) \cancel{k} = \cancel{z} \cancel{k}$ Optopos Porm WITTOOS ZO S'hamus E Trov a orceizar oco onnéro us diavogra 001JE Zan てってるっかメだ

Porton mis Fortepi to onjuero pet diav. Deons d

Zvoziki Pom Trepi 200 = alpoioga TW POTTWV $Z = Ri \times (-FL) + (-Ri) \times (FL)$ $= -RF(i \times i) - RFJ \times i =$ - - 2RF(1×L) atta $J \times \dot{L} = -k$ Z = 2RFR +0

Stogopun Oplogios Etpopopun THEPI TO O eros YE ME maja m keu Tax. V kan Deon N ws Tipos To O chran To Sarvogia $=m \mathcal{L} \times \mathcal{V}$ Mapa d'Engra 3) Mon eivan

n Ovvolien Ottooboonn 1720120 C

To ovomnares ou Trypad Egyna D: 2 = 2L = ljx(-mvl)+(-lj)x(mvl)2 lmvk +D.

Exogio Horrogian OFMH=0. Exw $E = x \times F, \quad L = x \times P$ 2005 Nomos 24E1 $\frac{1}{2} = \frac{1}{2}$ Koz' avajoriav, TROIME mu z = LDéaphon la éra VE ME maja m, zax. V, Deon & us

tipos 20 0, oro orro 10 aoxed 2ac over 12ml Lingun F $\frac{1}{2} = \frac{1}{2}$ $\frac{A_{1100}}{L} = \mathcal{N} \times \mathcal{P} = \mathcal{N} \times (m \vee)$ Mapasasju us mos t $= \chi \times (ma) = \chi \times F = Z$

AADOZ

ATOV KI' att' TNV apxy!

$$L' = \chi \times p = \chi \times p + \chi \times p$$
Kavovas propiérou

$$L' = \chi \times p + \chi \times p =$$

$$= \chi \times (m \vee) + \chi \times m \vee =$$

$$= 2 \times (ma) + m(2 \times 2)$$

$$= 2 \times F + D = 2 \times F = T$$

$$0.E.\Delta.$$

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Eine Dewphysia 219 tra 85.

la ottobra on mara der mossi va atrodeixzer etro zo 2º Nomo. 0700 26 6 ma A = 19 MA.

Exogio Oi opiopoi porms, orpopos. Yia VE ioxi orv + kirnon, oxi moro kuksiku.

Solvos Dagad 6 jua SEAT LEON

trapes my exposition for the strong.