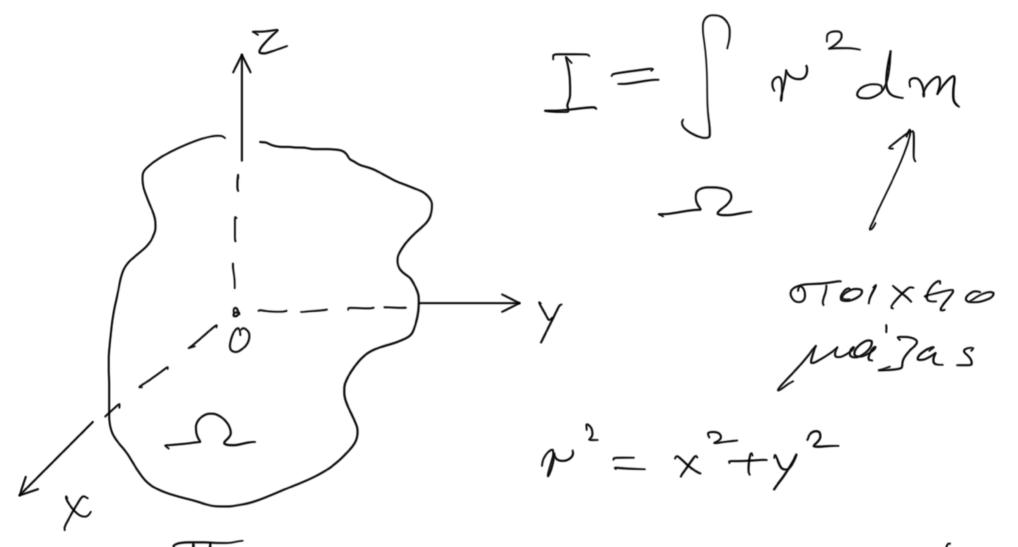
PVZIKH 1 Juagesm 22

Ovnapar:

Pomi Adpaveras meer Tova Fova Z



Thoroxn: Senka eva muliot Ω Exer owretayneves X_1Y_1Z To $v^2 = x^2 + y^2$ deveku Z_1 . $v \in V$ and $v \in V$.

3D ovjua

dm = p dV p = dm

monada de por I = IIII produ ONOKN. P(X,Y,Z) OTKOK _ TIX. Maka AGTT74, 2D ovjua RETTTY MEMBRAVM. MIX. MITERSOVI dus. emparera > Mc aussures maxos $\delta = \frac{dm}{dA}$ maja ava morada ETTI GAVEROUS. $\sigma(x, y, z)$. $I = \left(\int_{0}^{1} \sigma r^{2} dA \right)$

ETTIPAVEIONES OSOKINOWINO.

1D owna [Kannin e R3

TITX. MOVTEJO ENOS

OV PHONTOS ME MOSA

axla antintea

Slozomn (maxos).

 $\Gamma: \mathcal{X} = \mathcal{X}(S)$ $\mathcal{A} = \mathcal{X}(S)$ $\mathcal{A} = \mathcal{X}(S)$

 $I = \int \chi r^2 ds$ $\frac{1}{x(s)} + y(s)$

2) oktiparna $\lambda = dm$

maja ava monda

 $dm = \lambda ds$

Ormanon. Ar omna treplotéperan trepl tor a Fora Z ME Jur, zax,

w rose K.E. K = 1/2 Iw2 Ornama CooTvno Etpopopuns T = L A = 1 A = 1 A = 1(ovojiki) (ovous axxxxxx). Epimua 11000 tiva norpogopy Evos EE vor veprospégerai "
uter a3ona z pe sur vax w; Du Dia senso ouma $L_z = I\omega$ $\int_{z} vvvouwoa \quad L \cdot k = L_z$ β) Av το συμα είναι 2Δ στο επίπεδο xy το 2ε

Iwk ATTOD. B). KOITAW 20 ONNA S atto vor a zora Z TUXOUD ONNERD N=XL+Yj= - ren V = rwep ETTETS' Kale onu ELO Kaves

KUKIIKI Er mon! Etpopopour eros roufation ne maja de (atterpostoù) $dL = Z \times (dm V)$ $= \int_{-\infty}^{\infty} x \times \sqrt{dm}$ rer x rweo - rwerxeo = rwk $L = \int v^2 dm \omega k$ dm = ordAL= () orda wk

Du loojvino Etpo popuns tra EE tov TTEp. ME DUV. Tax W(t) TTEp1 vor a gova Z

$$T_z = J\omega$$
 (4).

Amod. Traiprw • k ornv (1) $\mathbb{Z} \cdot k = L k$ $\mathbb{Z}_z = L_z = \frac{d}{dz} (L_z) = \frac{d}{dz} (\mathbb{Z}_w) = \mathbb{Z}_w + \mathbb{Z}_w$

$$d\mu\nu$$
s $I=0$

> Tz = Iù OED.

5 201/0 /

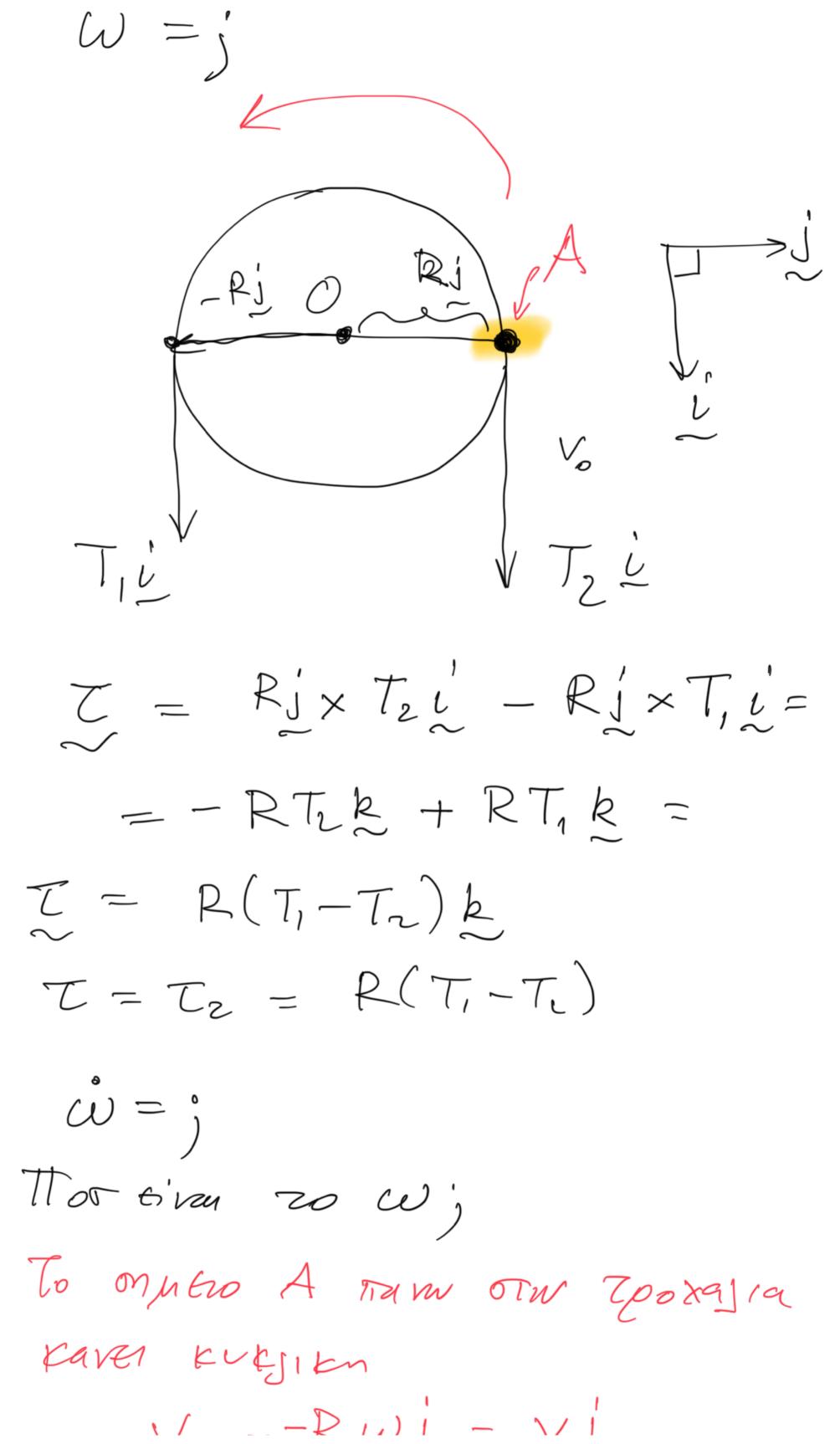
JUNAKY ETTT TAKUVON 0×1 a Tz = IX avajoro vor = maz 2) Mari I=0 en n Treploxin goringwons TEPIOTPEQUIA (On dA Entidu vo v= avoraon ano co 0 n itpolotogy der altajer zo gor, kar I=0. Elma ott TUX Epol 1700 on The rology

to ver oro en 172 do xy, 3) Ar myow (3). $k \Rightarrow (2)$ 4) ATTO SW KUN THE'SA JOAGEN $T = T_z$ los Juno Etpogopuns 21 T = I w $\frac{m}{T} = \int \alpha$ Mapa Sergna Tooxazion ME Bapa'KIOL 100 xasia Diokos paja M, aktiva R Treplotpere xupis Teiber supwars O. Nyua apages

Mases m_1 , m_2 . Deja ETTITAX. TIPS plasa, M2. Noma der og, odanses or oxeon ME mv toox asia. (-tojan MTS TPOXALIAI KAN VY/HERTOS). ODJUNA OPMUN ETPOGOGRAN Diasparyara Dissiperor Engueros ga ra 3 oumara.

Loossona Opuwr. (205 Noyuas) $m_2g-T_2=m_2a_2$ m2: $m_1g-T_1=m_1a_1$ Mapw a2=a, a,=-a Zavaspajon 100 Svina Oppur $\begin{cases} m_2 g - T_2 = m_2 \alpha & A \end{cases}$ $m_1 q - T_1 = -m_2 \alpha / 2$

1 / - LU/ Tpoxalla $T_1 + T_2 + Mg - N = 0$ Exw 4 amones $T_{1}, T_{2}, \alpha, N, \epsilon x \omega 3$ E 31 on ours. Mittel: I or Duro Etpoppynis Tooxalies To= Lw MEPI TO A



offer V Taxi may value 201
$$= 7a \times i \text{ may palas } 2.$$

$$-R w = V$$

$$Tapagarai Jw$$

$$-R \dot{w} = Q \Rightarrow \dot{w} = -9/R$$

$$Ioo Ji'goo \sum_{qoo palas} \s$$

lo june ken Bpioka mo (A) - (B): $T_{l} - T_{2} = (m_{1} + m_{1})a + (m_{1} - m_{2})g$ Averkad atto (E) (7) na t, - T2.) 2 û m $Q = \frac{m_2 - m_1}{m_1 + m_2 + M/2} Q (Z)$ ms pasus m2 O $TaV m_1 = m_2$, 1000000

Orav M=0, $(E) \Rightarrow T_1=T_2$