Aoknow 10

X)

The Mory

X

Ru = -îux M = -îvx x (Moîy) = - Mosindoîz ónqu Be u juvia perasi îx, îy

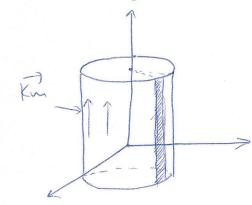
allà
$$\theta_0 = \frac{\Omega}{2} - \theta'$$
, on θ' ny wir \hat{x} , \hat{x}_T .

Trupatonoiane του κύλινεο σε απειροελάχιστα τρυήστα,

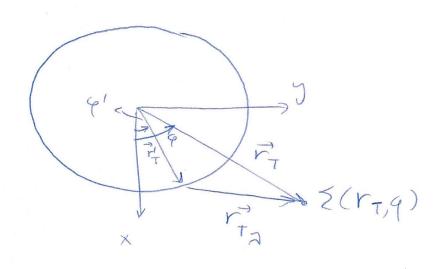
επιγανειακά σε αυτόν, ίνοτε το ρεύρα που διαρρέει κάθε τρύρα
να θεωρετία μαργιτό. Κάθε τρυήσ έχει απεγο ρίκα και πάχον

τα θεωρετία μαργιτό. Κάθε τρυήσ έχει απεγο ρίκα και πάχον

αθε ακθρ



To perpa no Scanepia Kale pripa Elvan Kundl = (-Mocorg/Kadq') Katage to kudinsen oto xy Enineso:



Λογω απειρίαι στου άζουσ τ, δευ Ca Exare ε αρτικού κης το τ. Επορεύως μπορούρε να αρνούσωρε το τ στο Σ(νη, φ, ε).

Étoi Exape:

'éla Fiz=Fi-Fi=(r, corp-acosp/12x+(r, sing-ding))}
(Diavopa anostaon dupilar-onpéia E)

και έτσι!
$$r_7 = (r_7 corq - α cosq')^2 + (r_7 sinq - a sinq')^2]^{1/2} =$$

$$= (r_7 cosq - 2αr_7 cosq cosq' + a^2 cosq' + r_7 sinq - 2αr_7 sinq sinq' + 2 sin^2 q sinq')$$

$$= \left(r_{+}^{2} + \alpha^{2} - 2\alpha r_{+} \left(\cos\varphi \cos(\varphi + \sin\varphi \sin\varphi')\right)^{1/2}\right)$$

$$= \left(r_{+}^{2} + \alpha^{2} - 2\alpha r_{+} \cos(\varphi - \varphi')\right)^{1/2}$$

Xpuorponoiaire to Elivarotheopa!

Av Zábar & ws oy Eio dvappas Mo= x kar I= kmoll

Su) whi: di = 10 (kudl) lu rt iz = - 10 lo acorpida lu rt iz

$$A = -\frac{10}{20} Mo \propto \hat{c}_{1} \int cos(4) du = \frac{\alpha}{(r_{1}^{2} + \alpha^{2} - 2r_{1} \alpha \cos(6-6/))^{1/2}} de'$$
 $A(v_{1},6)$

3

e) Ma to relic Exapt: B= TXÀ PE AZ = - No Mo α (Cosq'(lud-ln(r₁+α²-2αη (ω(q-q')))) all' to rt+ 2- 2 art (as (6-61) Elvas loo pe rtz , to orois propei va exposotei of rapteolarés outetappéves us: (B) oxupa fout (a)). 177=17-17=(x - d cosq') ix + (y- xsin 6') iy onou X, y or owntergrates to E(x, y, t) onote: Az = - No Mo & Sosy (lux-lu((x-xcosy)) + (y-asing)) dy Etol Zolnáv: B= TXA = (dAz day) 1x + (day - day) 1/2 + (day -= dAZ 1x = - dAZ 1y $\frac{\partial A_{\overline{z}}}{\partial y} = -\frac{10}{20} Mo \times \int \cos \left(-\frac{1}{2} \frac{2(y - a \sin \phi)}{(x - a \cos \phi)^2 + (y - a \sin \phi)^2}\right) d\phi'$ $\frac{\partial Az}{\partial x} = -\frac{1}{2} \frac{Mod}{\sqrt{\cos \varphi'}} \left(-\frac{1}{2} \frac{\Re(x - a \cos \varphi')}{(x - d \cos \varphi')^2 + (y - a \sin \varphi')} \right) \varphi \varphi'$

9

$$\frac{1}{B} = -\frac{NoMox}{2n} \int_{0}^{\infty} \left(\frac{(y - asin(4)) (ar(4))}{2} + \frac{(x - a(as(4))) (ar(4))}{2} \right) dx$$

$$\frac{1}{R} = -\frac{NoMox}{2n} \int_{0}^{\infty} \left(\frac{(y - asin(4)) (ar(4))}{2} + \frac{(x - a(as(4))) (ar(4))}{2} \right) dx$$

0600 appa to H Exapt:

$$\frac{1}{H} = \frac{\vec{B}}{Ro} (r_T > \alpha) + \alpha \vec{J} = \frac{\vec{B}}{Ro} - Moly(r_T < \alpha) (Dojn ths)$$