Credits: Μάριος Ρόζος 03.03.22 Thursday, 3 March 2022 12:52 PM ZXÉGEIS (USTAPU F, p, P $d^2 = p d S_n \cdot v dt$ $J: \chi \omega \rho \iota u \dot{\rho} u \dot$ είδη φορτίων $J_n = \frac{d^2q}{dt \cdot dl_n} = pV$ QEÙHOTOS · Inyecaua ₹ -p \$ b: Umbirky linknostula dobijon · Με χραμμιμή πυμνότητα λ l=vdt · Me enipaveiaun jurvotima o Tra v róvea (popela): I = 2 p: Vi Για επιμανειακά ρεύματα: $\vec{r} = \vec{\sigma} \vec{v}$ $\vec{v} = \sum_{i=1}^{N} \vec{\sigma}_i \vec{v}_i$ L: enigaveiary journorma · Me jupiun Truvotna p TTapa delyua Για χραμμική πυινότητα <u>ρεύμα</u>τος έχουμε το ρεύμα ί [Α] Zzous agryposs: 6: Europanerany Juriolinta contion [Clm2] η: γραμμική πυκνότητα φορτίου [Clm] Nópos dearnements nh. popriou $\frac{dq = -dQ_{zer}}{dt}, i = \frac{1}{2} = \frac{1}{2}$ [10 \frac{q}{1+} = 0 \quad \frac{q}{1} \quad \quad \quad \frac{q}{1} \quad \quad \quad \quad \frac{q}{1} \quad \qu Nópos Peupaza Kirchhoss 2 Tapa Sziguaza $\frac{\partial}{\partial x} = 0 \qquad \text{acourm'} \quad \text{whivepin} \quad \text{outpression}$ Topad 1 bsin0 $\Gamma_{(a = 2h)} : V_{h} = \frac{I/2}{9\pi r} = \frac{I}{9\pi r}$, $V_{h} = \frac{I}{9\pi r} \hat{r}$, $0 \le r \le \alpha$ $\overline{V_{\alpha}}$ $\overline{V_{\alpha}} = \frac{\overline{V_{\alpha}}}{2\pi\alpha} = \frac{\overline{I}}{4\pi\alpha} \Rightarrow \overline{V_{\alpha}} = -\frac{\overline{I}}{4\pi\alpha} \stackrel{?}{=} \frac{1}{4\pi\alpha}$ $\overline{Z_{mv}} \sigma_{paiplish} \Sigma \pi_{l} paive a \alpha \kappa_{l} vas b: V_{b} = \frac{I/a}{4\pi h \sin \theta} = \frac{I}{4\pi h \sin \theta} \stackrel{?}{=} V_{b} = \frac{I}{4\pi h \sin \theta} \stackrel{?}{=} 0.60 = 7$ Tapas 2 5° = 2° ds Zvodino pedya I E=; Ir(r)=; $\Gamma_{0} = \frac{I}{2\pi r} \Rightarrow \overline{C} = -\frac{I}{2\pi r} \hat{r}$ $I = \int_{0}^{\pi} \frac{1}{3} ds = \int_{0}^{\pi} \frac{1}{3} r(r) r^{2} sin \theta d\theta d\rho = 2 \pi r^{2} 3 r(r) \int_{0}^{\pi} sin \theta d\theta =$ $= 2\pi r^{2} \operatorname{Jr}(r) \cdot (1 - \cos \theta) = 2\pi r^{2} \operatorname{Jr}(r) (1 - \cos \theta)$ $J_r(r) = I$ $\frac{1}{2\pi r(1-\cos\theta_0)}$ AGENON 1.7 No pos zou Ohm: I=V/A $\vec{\beta} = \frac{1}{\pi b^2} \hat{\beta} = \frac{\sqrt{b^2}}{2} \hat{\beta}$ The Z=h: $\hat{E}_h = \frac{I}{a_{\pi r}} \hat{r} \quad , \quad b \leq r \leq a$ $L_{h,r} = 2\pi r = J_z = \pi r^2$ $K_{h,r} = J_{\overline{2}} \cdot \underline{r} = I_{\overline{2}} = V \cdot \underline{r}$ Aornon 1.8 l, w >> h

I = V/R

[10 z=0 \$ = 3 2 , 0 < z ≤ d

 $\vec{J} = J_{x} \hat{x} = \frac{I}{w(l-d)} \hat{x} = \frac{V}{Pw(l-d)} \hat{x}, \quad d \leq 2 \leq l$

 $\int_{\Omega} \left(\frac{1}{2} \right) = -\frac{V}{Q-W} \frac{Q-Z}{Q-W} \frac{2}{Q-Z} \frac{2}{Q}, \quad d \leq Z \leq Q$

 $\overline{V}_{h}(z) = -\underline{I}_{(h)} z^{1} \qquad 0 < z < d$

 $k_0(z) \cdot w = J_X \cdot w(l-z) \Rightarrow k_0(z) = J_X(l-z) = \underbrace{J_X(l-z)}_{W} = \underbrace{J_X(l-z)}_{L-d} = \underbrace{J_X(l-z)}_{L-d}$