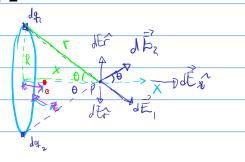
Actividad 2



$$d\vec{E} = \frac{K \lambda \times dl}{(R^2 + X^2)^{2n}} \int dl (\hat{\imath}) dl (\hat{\imath}) dl (\hat{\imath})$$

$$\vec{E}(P) = \underbrace{K \stackrel{Q}{=} X}_{(R^2 + x^2)^{\frac{3}{2}}} \cdot \vec{E}(\hat{r})$$

$$E(l) = \frac{kQX}{(k^2 + x^2)^{3/2}}$$

$$\overrightarrow{F}_{t} = -\frac{keOx}{(R^2 + Z^2)^{\frac{3}{2}}} (a)$$

$$\overrightarrow{f}_{E} = -\underline{KeQ} \times \cdot \frac{R^{3}}{(\sqrt{R^{2}+2^{2}})^{3}} \qquad \text{como } R \gg Z$$

$$X(10 \text{ ns}) = -4.99 \times 10^6 \text{ m}$$

 $V(10 \text{ ns}) = -9.19 \times 10^6 \text{ m/s}$
 $a(10 \text{ ns}) = 4.25 \times 10^6 \text{ m/s}^2$

9)
$$dV = \frac{Kd9}{r}$$
 $r = \sqrt{R^2 + Z^2}$

La energia Potela. =
$$V.q$$
 = $V.q$ =

