

EN AGENT CONS LA GIMPOMENT Y S'ANVLA EN TEMA MATETIZA marcus, peri or Firem hours

$$\vec{E}_{AX} = K \cdot \frac{9}{12} \cdot \hat{c} = \frac{9 \cdot 10^{9} \cdot 10^{-5}}{(2 \cdot 12)^{2}} \cdot \frac{2}{2 \cdot 12} = 7,95 \cdot 10^{3} \text{ N/c}.$$

$$\vec{E}_{BX} = \vec{E}_{AX}$$

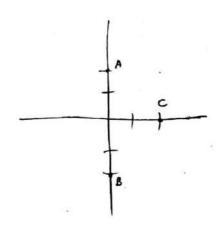
$$\vec{E}_{T} = 2 \vec{E}_{AX} = 1,6 \cdot 10^{4} \text{ N/c}$$

$$\vec{F}_{T} = 9 \cdot \vec{E} = 1 \cdot 10^{-6} \cdot 1,6 \cdot 10^{4} = 1,6 \cdot 10^{-2} \text{ N}$$

$$V_{r} = \frac{K \cdot \frac{q_{A}}{r_{A}} + K \cdot \frac{q_{B}}{r_{B}}}{r_{B}} = \frac{2 K \cdot \frac{q}{r}}{r} = \frac{2 \cdot q_{1} \cdot 10^{9} \cdot 1 \cdot 10^{-5}}{2 \sqrt{2}}$$

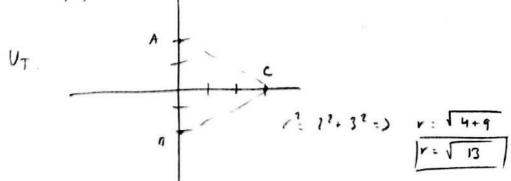
$$G_{A} = \frac{q_{A}}{r_{A}} + \frac{1 \cdot q_{A}}{r_{B}} = \frac{2 \cdot q_{1} \cdot 10^{9} \cdot 1 \cdot 10^{-5}}{2 \sqrt{2}}$$

$$V_{p} = 63640 \text{ V}$$



$$V_{T} = 9.10^{9} \cdot \frac{10^{-5} \cdot 10^{-6}}{2\sqrt{2}} + 9.10^{9} \cdot \frac{10^{-5} \cdot 10^{-6}}{2\sqrt{2}} + 9.10^{9} \cdot \frac{10^{-5} \cdot 10^{-5}}{4}$$

PUNT (3,0)



DM = 2,89.10-1 - 2,75 15-1 = 0,014 T.

ADILITA VANIACE D'ENEPSIA POTENCIAL J'UTILITZANÀ ( PERDUAL

PER FUNCTION LA MOCITAT DE LA CAMPEGA.

$$\frac{1}{2} m \cdot v^2 - \frac{1}{2} m \cdot v^2_0 = \Delta U.$$

$$\frac{E_{C_0}}{2}$$

$$\frac{1}{2} m \cdot v^2 - \frac{1}{2} m \cdot v^2_0 = \Delta U.$$

PEN TANT Vo= 0.

- w.v2 = 0,014J

$$7 : \sqrt{\frac{2 \Delta u}{m}} = \sqrt{\frac{2 \cdot \alpha \cdot 14}{3 \cdot 10^{-3}}} = \frac{3 \, \text{m/s}}{3}$$
CS Scanned with CamScanner