

Correction

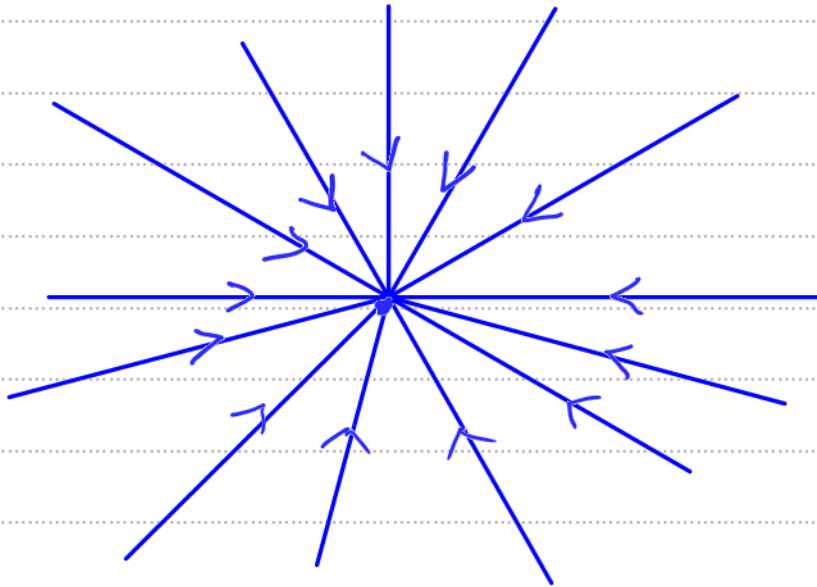
1°) $Q = -6,4 \text{ nC} < 0$: il ya

un gain d'électrons

$$* n = \frac{|Q|}{e} = \frac{6,4 \cdot 10^{-9}}{1,6 \cdot 10^{-19}}$$

$$\Rightarrow n = 4 \cdot 10^{10} \text{ électrons}$$

2°) $Q < 0$



$$39/ \vec{E}(M) = K \cdot \frac{Q}{d^2} \vec{r}$$

$$\|\vec{E}(M)\| = \frac{K \cdot |Q|}{d^2}$$

$$\underline{AN} : \|\vec{E}(M)\| = \frac{9 \times 10^9 \times 6,4 \times 10^{-9}}{(0,08)^2}$$

$$\|\vec{E}(M)\| = \frac{9 \times 6,4}{64 \cdot 10^{-4}} = 9 \cdot 10^3 \text{ N} \cdot \text{C}^{-1}$$

Remarque

$$\vec{F} = q \cdot \vec{E}$$

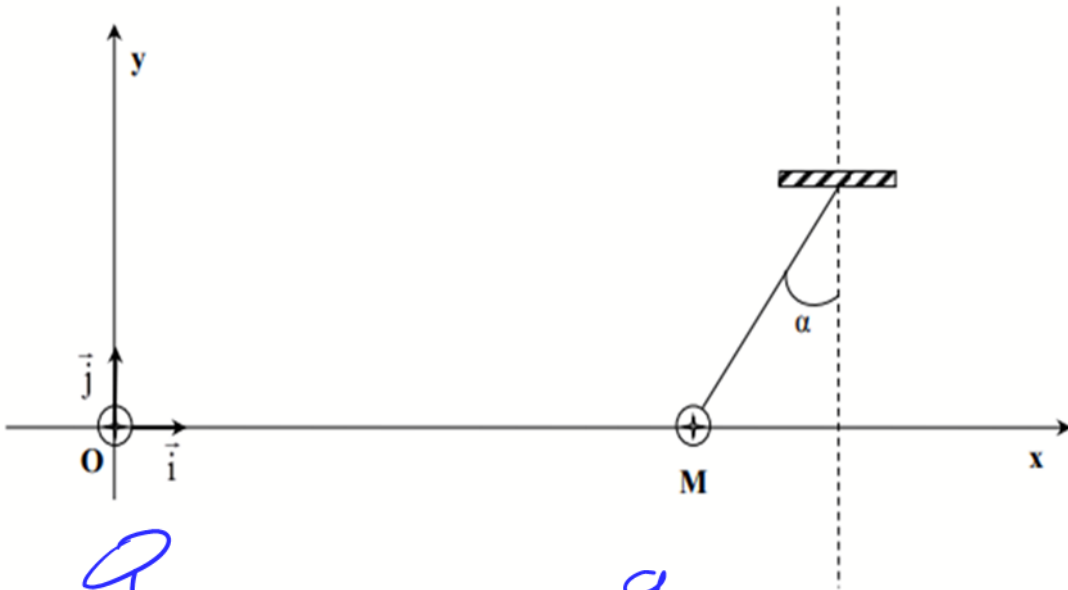
$$\Rightarrow \vec{E} = \frac{\vec{F}}{q} \quad (N)$$

$$\Rightarrow \|\vec{E}\| = \frac{\|\vec{F}\|}{|q|} \quad (C)$$

$N \cdot C^{-1}$



49/



Q

q

\vec{E} , $||\vec{E}||$



Handwriting practice lines consisting of multiple rows of dotted lines on a white background.

