Carga y Campo Electrícos

Friday, May 23, 2025 6:05 PM

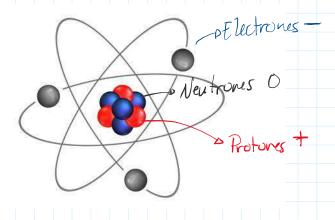
Carga Eléctrica:

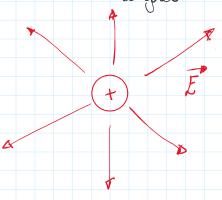
- Electrones - Negativas - Protones - Positivos

· Se mide en Coulombs (C)

« Se denota como Q ó q

- Carga Pantual -> Un punto

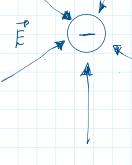




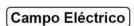
E: Campo Eléctrico (N/C)

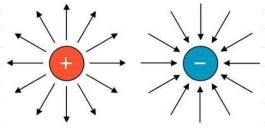
E = Kq. ?

K = 1 = 9×109 Nom2



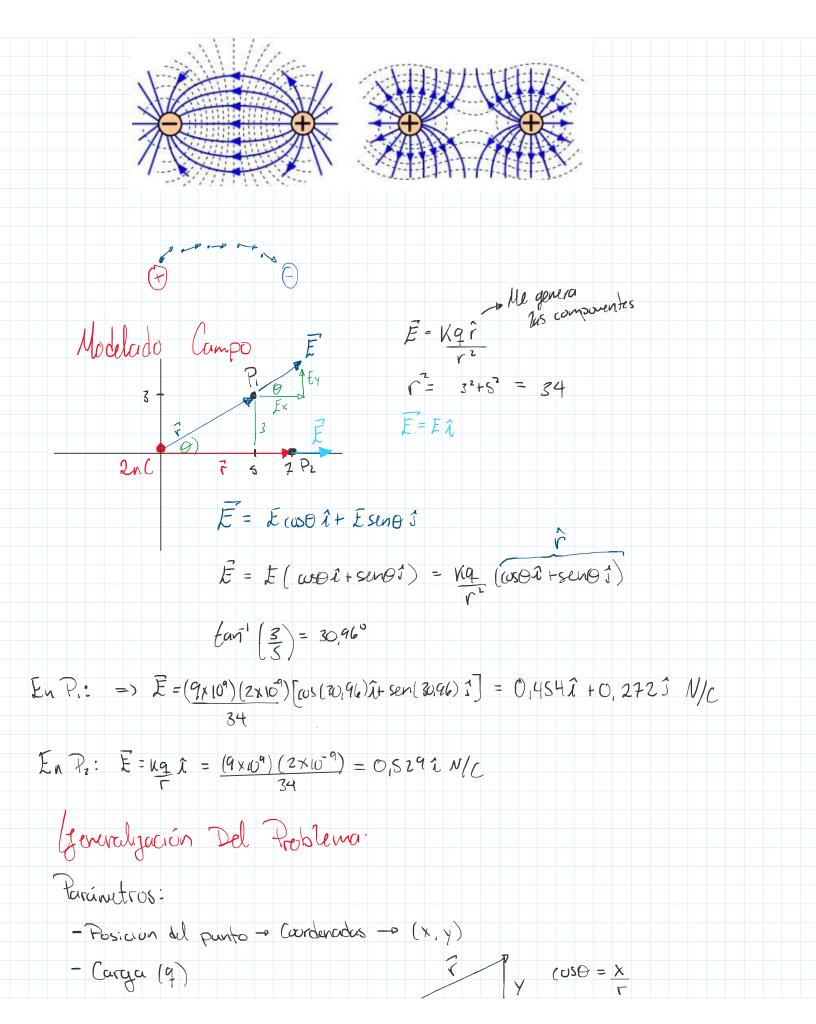
r: Dirección de 7 r: Magnitud de 7

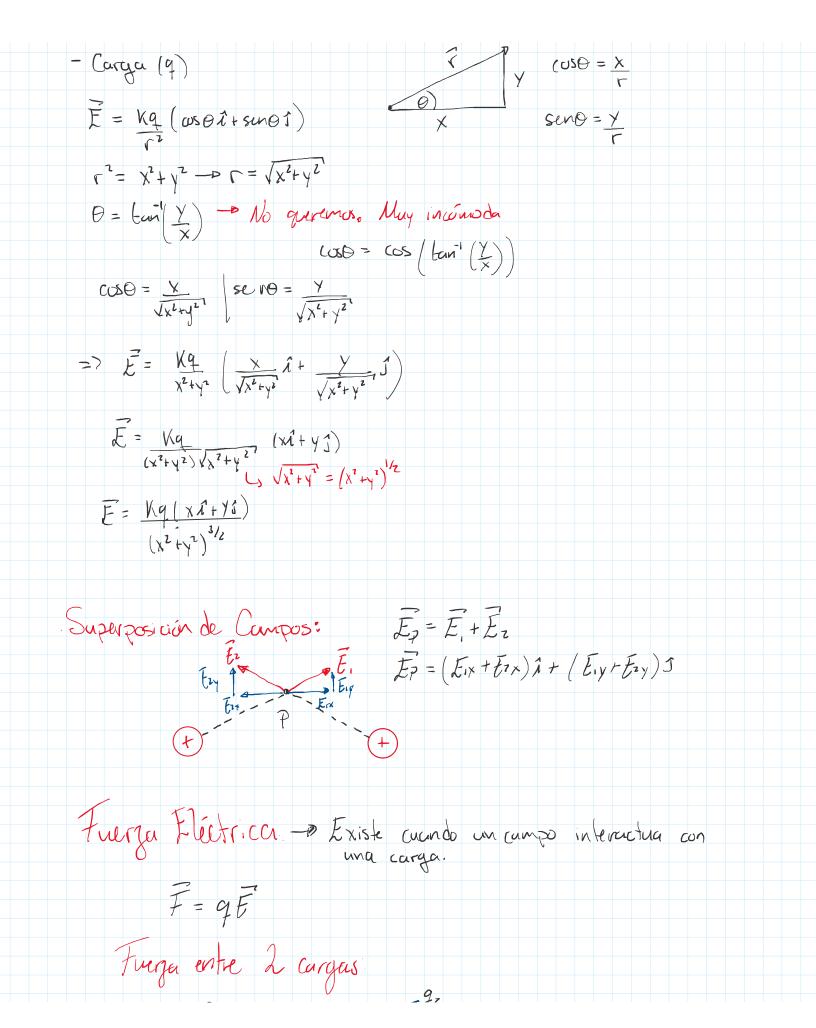


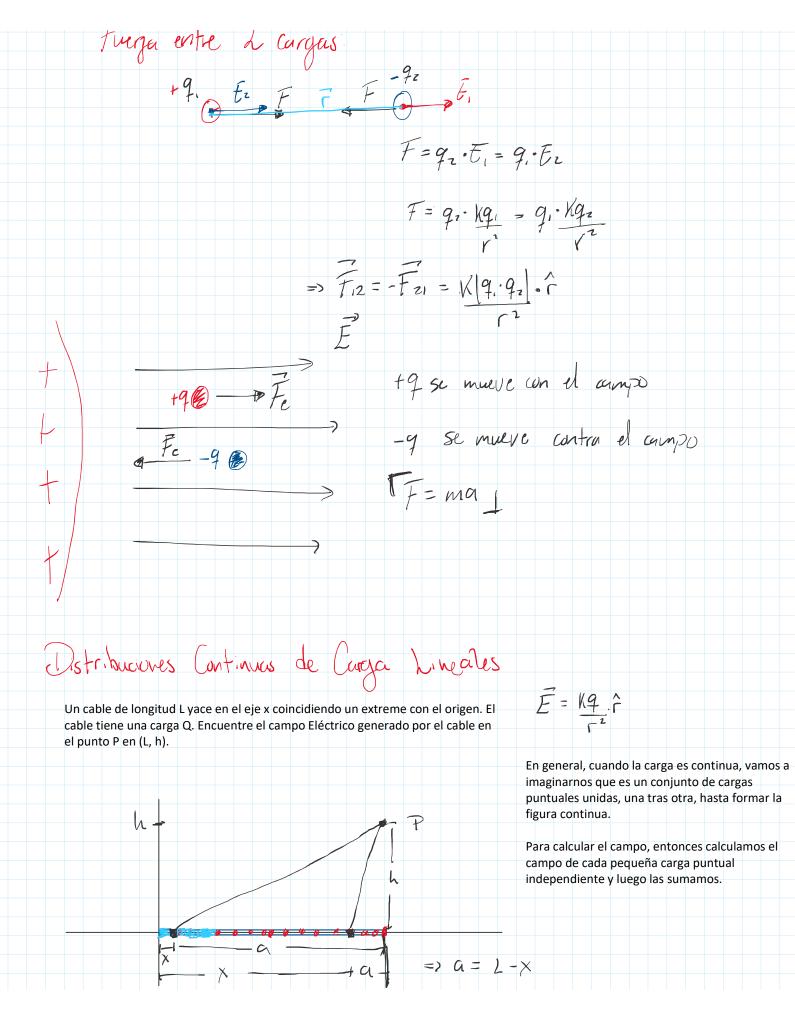


Carga positiva

Carga negativa







$$E = \underbrace{Ke}_{i} \hat{r} \implies dE = \underbrace{Kde}_{i} \hat{r}$$

$$\int dE = \underbrace{Ke}_{i} \hat{r} \implies E = \underbrace{Kde}_{i} \hat{r}$$

$$\int de \underbrace{Kde}_{i}$$