


CAMPO ELETTRICO

Def: CAMPO ELETTRICO: È una regione di spazio perturbata dalla presenza di una carica (elettrica)

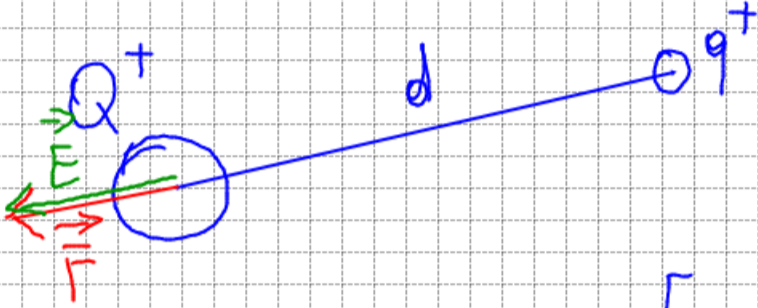
$$\vec{E} = \frac{\vec{F}}{q}$$

Carica prova



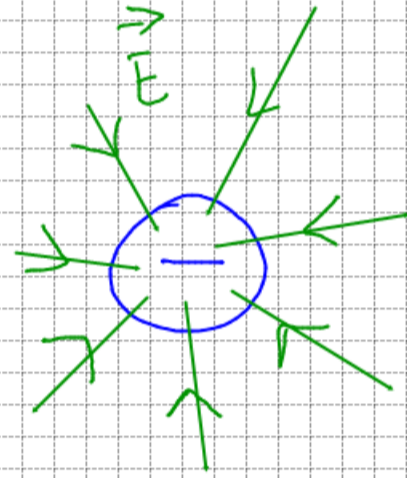
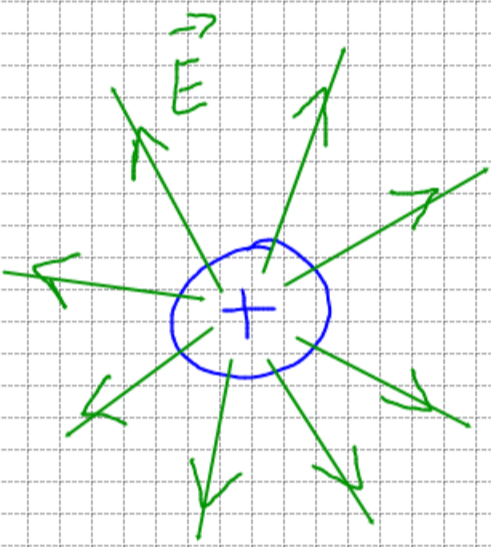
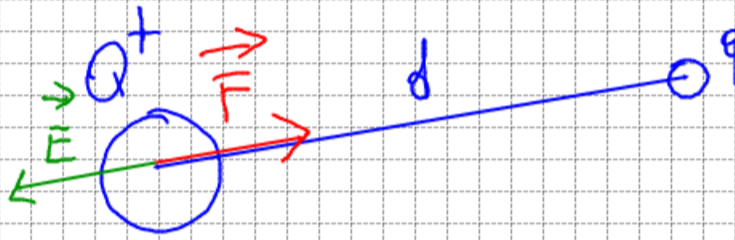
$$\vec{E} = \frac{kQq}{d^2 \hat{a}} = \frac{kQq}{q d^2 \hat{a}} = \frac{kQ}{d^2 \hat{a}} \quad E = k \frac{Q}{d^2}$$

Q è positiva:



$$E = \frac{F}{q}$$

$$E = \frac{1}{4\pi\epsilon_0} \frac{Q}{d^2}$$



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

$$[E] = \frac{[F]}{[q]}$$

$$[E] = \left[\frac{N}{C} \right]$$

CAMPO GRAVITAZIONALE

$$? \quad \vec{H} = \frac{\vec{F}}{m}$$

