

ES N 14 PAG 831

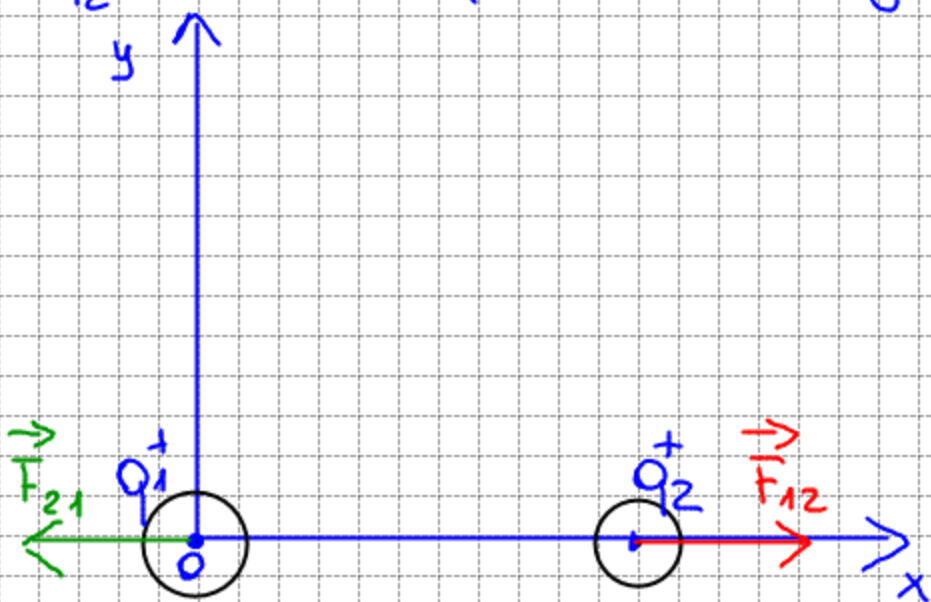
$$q_1 = 4 \times 10^{-6} \text{ C (origine)}$$

$$q_2 = 6 \times 10^{-6} \text{ C (a 3 cm dall'origine)}$$

?

Forza su q_2

Forza su q_1



$$q_1, q_2 = 3 \text{ cm} = 0,03 \text{ m}$$

$$F_{12} = k_0 \frac{q_1 q_2}{(r_{12})^2} = 8,98 \times 10^9 \frac{\text{m}^2 \text{ N}}{\text{C}^2} \cdot \frac{4 \times 10^{-6} \text{ C} \times 6 \times 10^{-6} \text{ C}}{9 \times 10^{-4} \text{ m}^2} = 24 \times 10 \text{ N}$$
$$= 2,4 \times 10^2 \text{ N}$$

$$q_2 = -6 \times 10^{-6} \text{ C}$$