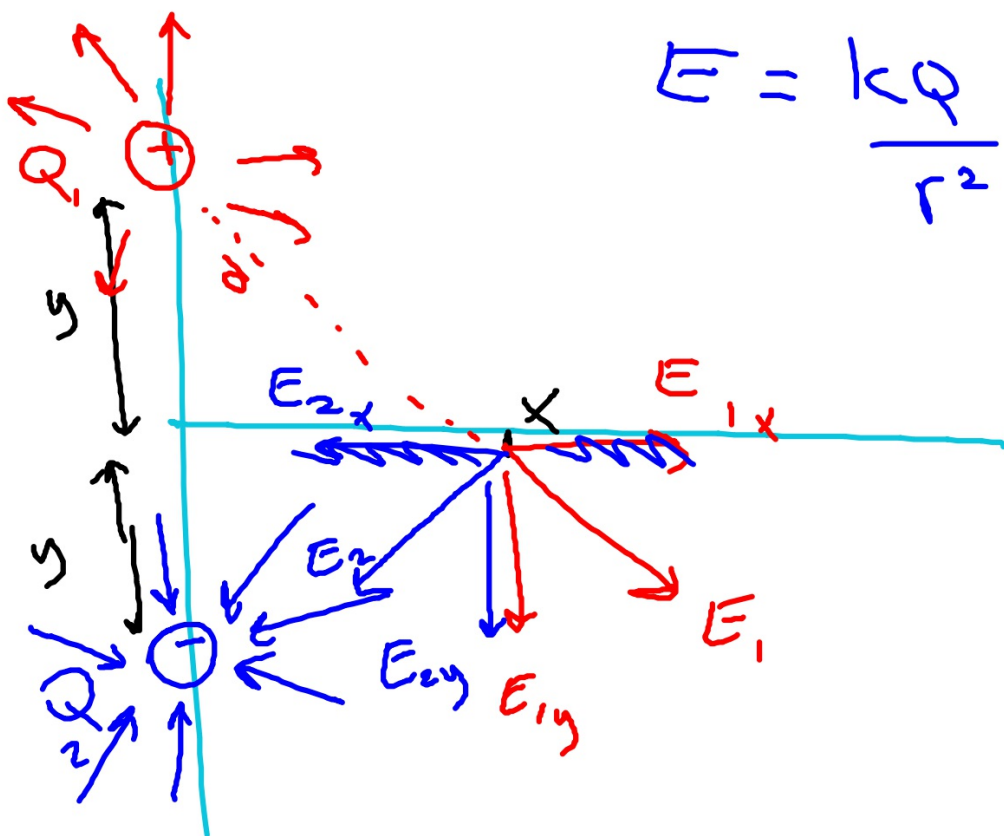
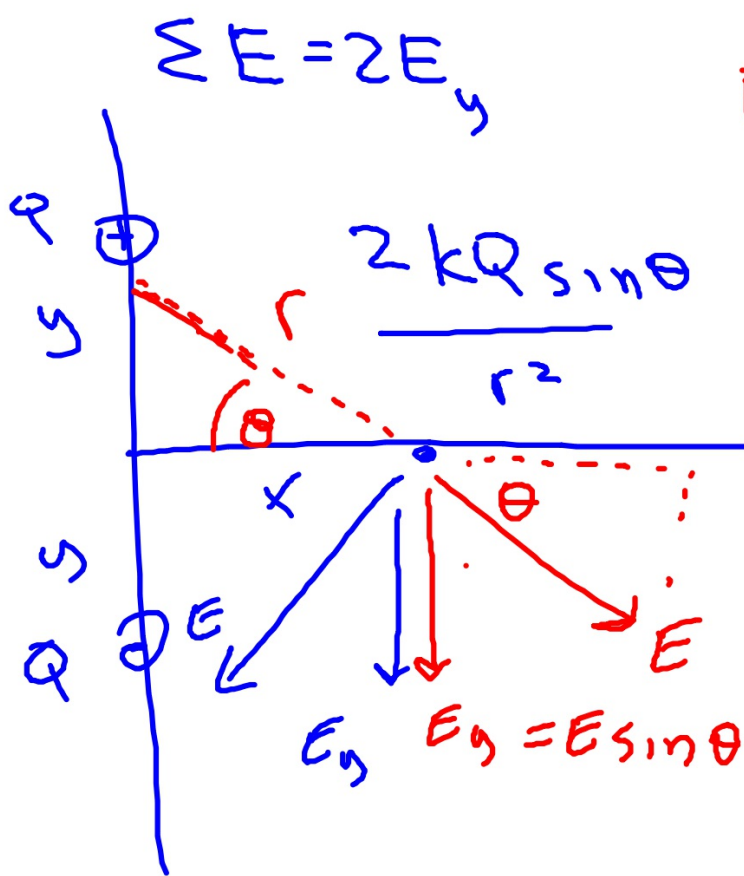


$$E = \frac{kQ}{r^2}$$





$$E = kQ / r^2$$

$$r^2 = x^2 + s^2$$

$$r = (x^2 + s^2)^{1/2}$$

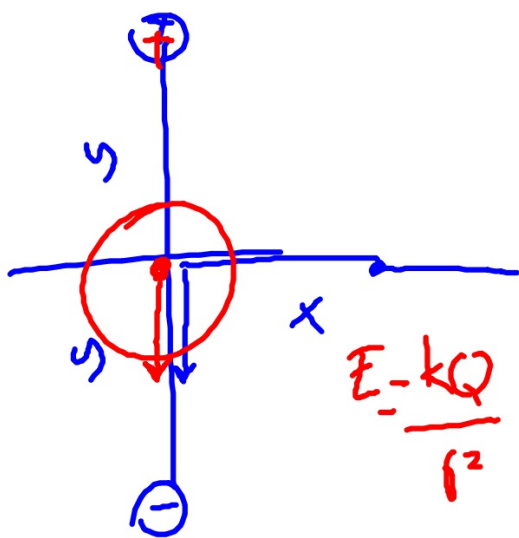
$$\sin\theta = s / r$$

$$\frac{2kQ \sin \theta}{r^2} = \frac{2kQ y}{r^3}$$

$$r = (x^2 + y^2)^{\frac{1}{2}}$$

$$\frac{2kQ y}{(x^2 + y^2)^{\frac{3}{2}}}$$

$$\frac{2kQy}{(\sqrt{x^2+y^2})^2}$$



$$\downarrow \frac{kQ}{s^2} + \frac{kQ}{s^2} = \frac{2kQ}{s^2}$$