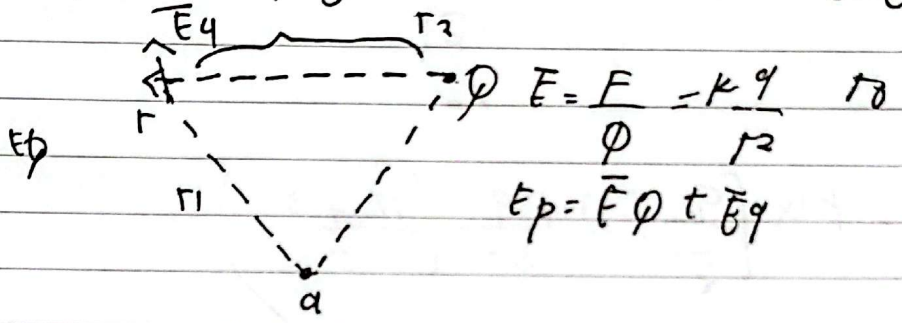
No
Date

Medan magnet adalah daerah disekitar magnet atau arus listrik dimana gaya magnet dapat dirasakan. Medan magnet mempengaruhi muatan listrik yang lain.

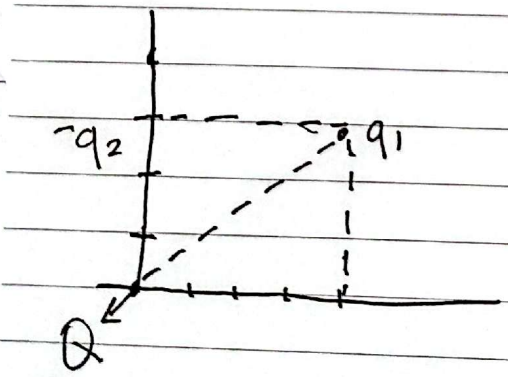
$K = \frac{1}{4\pi}$



$$\vec{E}(0) = k\left[\frac{q_2}{3^2}(\hat{j}) + \frac{q_1}{5^2}\left(\frac{-4\hat{i}-3\hat{j}}{5}\right)\right]$$

$$= k\left[-4\frac{q_1}{125}\hat{i} + \left(\frac{q_2}{9} - \frac{3q_1}{125}\right)\hat{j}\right]$$

$$|E| = \sqrt{(\ )^2 + (\ )^2}$$



$\vec{f_1}$

$\vec{F} = \vec{f_1} + \vec{f_2}$

$$= kQ\left[\frac{q_2}{3^2}(\hat{j}) + \frac{q_1}{5^2}\left(\frac{-4\hat{i}-3\hat{j}}{5}\right)\right]$$

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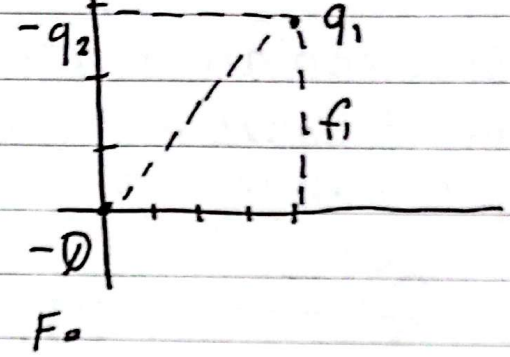
$E_{(0)} = K$



F_o

$$\vec{F_D} = kQ\left[\frac{q_2}{3^2}(-\hat{j}) + \frac{q}{5^2}\left(\frac{4\hat{r}+3}{5}\right)\right.$$