$$Q_{2} = -2\mu C$$

$$Q_{1} = S\mu C$$

$$|\overrightarrow{F}_{2}| = ? (Force ON Q_{2})$$

$$F = K \frac{(Se-6)(-2e-6)}{0.008^{2}} =$$

$$Q_{1} = S\mu C$$

$$Q_{2} = -2\mu C$$

$$P_{1} = -2\mu C$$

$$Q_{2} = -2\mu C$$

$$Q_{3} = -2\mu C$$

$$Q_{1} = S\mu C$$

$$Q_{2} = -2\mu C$$

$$Q_{3} = -2\mu C$$

$$Q_{1} = -2\mu C$$

$$Q_{2} = -2\mu C$$

$$Q_{3} = -2\mu C$$

$$Q_{4} = -2\mu C$$

$$Q_{1} = -2\mu C$$

$$Q_{1} = -2\mu C$$

$$Q_{2} = -2\mu C$$

$$Q_{3} = -2\mu C$$

$$Q_{4} = -2\mu C$$

$$Q_{5} = -2\mu C$$

$$Q_{1} = -2\mu C$$

$$Q_{1} = -2\mu C$$

$$Q_{2} = -2\mu C$$

$$Q_{3} = -2\mu C$$

$$Q_{4} = -2\mu C$$

$$Q_{5} = -2\mu C$$

$$Q_{5} = -2\mu C$$

$$Q_{7} =$$

Find vector pointing FROM Source of the Force TO the point where force is felt.

What if not a ociain? gf is Source Vector (END at W STARTS at Z Prigin $W = r_{obs} 2 = r_{src}$ $\overrightarrow{r} = \overrightarrow{r}_{obs} - \overrightarrow{r}_{src}$ $\overrightarrow{r} = \left(W_{x} - Z_{x} \right) W_{y} - Z_{y}$

$$\frac{E}{2} = 5 \mu C \left(1, 4\right)$$

$$Q_2 = 2 \mu C \left(-2, 1\right)$$

$$Q_1$$

$$Q_2$$

$$Q_3$$

$$Q_4$$

$$Q_5$$

$$Q_7$$

$$Q_7$$

$$Q_7$$

$$Q_8$$

$$Q$$

$$\vec{r}_{obs} = \langle 1, 4 \rangle$$

$$\vec{r}_{src} = \langle -2, 1 \rangle$$

$$\vec{r} = \vec{r}_{obs} - \vec{r}_{src} = \langle 3, 3 \rangle$$

$$\vec{r} = |\vec{r}_{obs} - \vec{r}_{src}| = \langle 3, 3 \rangle$$

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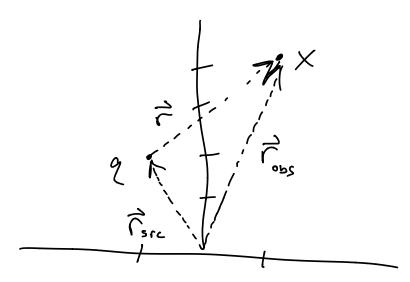
$$\vec{r} = |\vec{r}_{obs} - \vec{r}_{src}| = \langle 3, 3 \rangle$$

$$\vec{r} = |\vec{r}_{obs} - \vec{r}_{src}| = \langle 3, 3 \rangle$$

E Works the same way!

Find (src,

Find (obs (r=)) $\vec{r} = \vec{r} = \vec{r}$



 $\frac{1}{c_{src}} = \frac{1}{c_{obs}}$ $\frac{1}{c_{obs}} = \frac{1}{c_{obs}}$ $\frac{1}{c_{obs}} = \frac{1}{c_{obs}}$ $= \frac{1}{c_{obs}} = \frac{1}{c_{obs}}$ $= \frac{1}{c_{obs}} = \frac{1}{c_{obs}}$ $= \frac{1}{c_{obs}} = \frac{1}{c_{obs}}$

$$\frac{1}{1} = \frac{k_{2}}{|z|^{2}}$$

$$\frac{1}{1} = \sqrt{2^{2} + 2^{2}} = \sqrt{8}$$

$$\hat{c} = \frac{1}{|z|} = \sqrt{\frac{2}{8}}, \frac{2}{\sqrt{8}}$$

$$\hat{c} = \frac{9e9}{(-2e-9)} \left(\frac{2}{\sqrt{8}}, \frac{2}{\sqrt{8}}\right)$$