

3) Per quel condition le particelle n muoire su di

jer qual coron.

Im Maro?

FL = 9 v x B

$$\frac{1}{\sum_{k=1}^{n} |x|} = \frac{1}{\sqrt{2}} \times \hat{B} = \frac{1}{\sqrt{2}} (\nabla_{x} \hat{x} + \nabla_{y} \hat{y} + \nabla_{z} \hat{z}) \times (\hat{B}_{x} \hat{x} + \hat{B}_{y} \hat{y} + \hat{B}_{z} \hat{z}) = 0$$

$$= \frac{1}{\sqrt{2}} (\nabla_{x} \hat{B}_{y} \hat{z} - \nabla_{x} \hat{B}_{z} \hat{y} - \nabla_{y} \hat{B}_{x} \hat{z} + \nabla_{y} \hat{B}_{z} \hat{x} + \nabla_{z} \hat{B}_{x} \hat{y} + \hat{B}_{z} \hat{z}) = 0$$

$$= \frac{1}{\sqrt{2}} (\nabla_{y} \hat{B}_{z} - \nabla_{z} \hat{B}_{y}) \hat{x} + (\nabla_{z} \hat{B}_{x} - \nabla_{x} \hat{B}_{z}) \hat{y} + (\nabla_{x} \hat{B}_{y} - \nabla_{y} \hat{B}_{x}) \hat{z} = 0$$

$$= \frac{1}{\sqrt{2}} (\nabla_{y} \hat{B}_{z} - \nabla_{z} \hat{B}_{y}) \times 0 \qquad \hat{B} = (3,15,-1) = 0$$

$$= \frac{1}{\sqrt{2}} (\nabla_{y} \hat{B}_{z} - \nabla_{x} \hat{B}_{z} = 0$$

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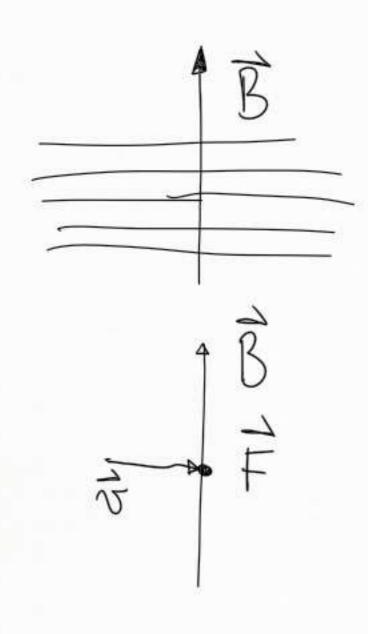
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$$\vec{c} = \vec{0} \times \vec{b} \Rightarrow \vec{c} \perp \vec{o}, \vec{c} \perp \vec{b}$$

$$\vec{F} = \vec{0} \times \vec{b} \Rightarrow \vec{f} \perp \vec{b} \neq \vec{f} \perp \vec{b} \perp \vec$$



le traiettorie à norlée nul pian (=> 7. B=0

$$\vec{B} / \vec{z}$$

$$b$$

$$\vec{B} / \vec{z}$$

$$a$$

$$c$$

$$c$$

$$c$$

1) determinare le forre agente sui segmente dibgonale 0

2) - 11 11 11

", sulla parte infersore (in giallo)

3)  $\overline{F}_{\text{TOT}} = ?$ 

$$\vec{B} / \vec{z}$$

$$a \quad \vec{k} \times \vec{k}$$

$$c_{(i)} \quad \vec{k} \times \vec{k} = \vec{k} \times \vec{k} + \vec{k} \times \vec{k} = \vec{k} \times \vec{k} \times \vec{k} = \vec{k} \times \vec{k} \times \vec{k} + \vec{k} \times \vec{k} \times \vec{k} = \vec{k} \times \vec{k} \times \vec{k} + \vec{k} \times \vec{k} \times \vec{k} \times \vec{k} = \vec{k} \times \vec{k} \times$$