Fradotto ocalare

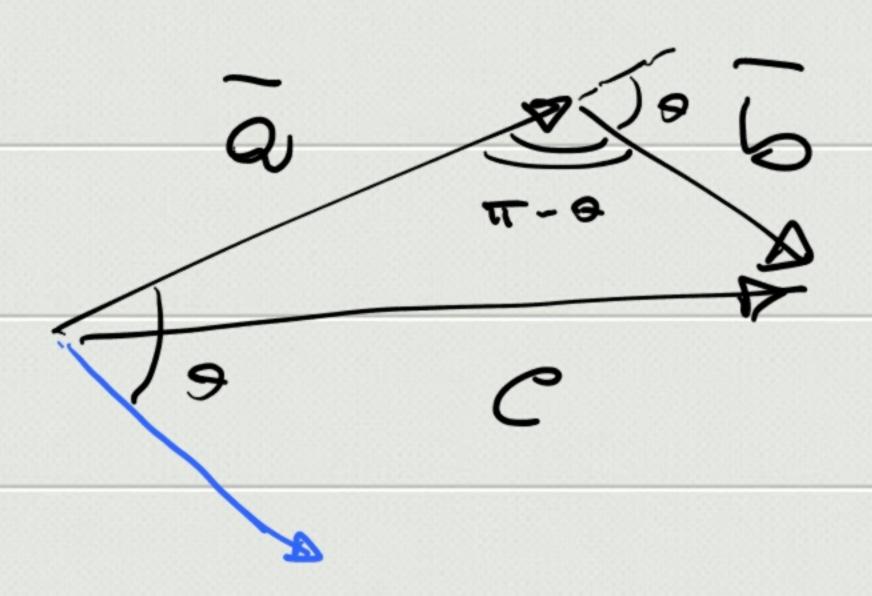
$$\begin{bmatrix} \bar{a} \cdot \bar{b} = 1\bar{a} | 1\bar{b} | \cos \theta \end{bmatrix} = \bar{a}$$

$$-\frac{1}{2} \cdot \frac{1}{2} = 0$$

$$-\bar{b} = a \implies \bar{a} \cdot \bar{b} = \bar{a} \cdot \bar{a} = a \cdot a \cdot \cos 0^{\circ} = a^{2}$$

$$\implies |\bar{a} \cdot \bar{a} = a^{2}|$$

$$\vec{c} = \vec{a} + \vec{b}$$
 $c^2 = \vec{c} \cdot \vec{c} = (\vec{a} + \vec{b}) \cdot (\vec{a} + \vec{b}) =$ 
 $= \vec{a} \cdot \vec{a} + \vec{a} \cdot \vec{b} + \vec{b} \cdot \vec{a} + \vec{b} \cdot \vec{b} =$ 
 $= \vec{a}^2 + \vec{b}^2 + 2\vec{a} \cdot \vec{b} =$ 
 $= \vec{a}^2 + \vec{b}^2 + 2\vec{a} \cdot \vec{b} =$ 



$$\bar{a} = a_{x}\bar{u}_{x} + a_{y}\bar{u}_{y} + a_{z}\bar{u}_{z}$$

$$\bar{b} = b_{x}\bar{u}_{x} + b_{y}\bar{u}_{y} + b_{z}\bar{u}_{z}$$

$$\bar{u}_{x} + b_{y}\bar{u}_{y} + b_{z}\bar{u}_{z}$$

$$\bar{u}_{x} + b_{y}\bar{u}_{y} + b_{z}\bar{u}_{z}$$

$$\bar{u}_{x} + b_{y}\bar{u}_{y} + a_{z}\bar{u}_{z}$$

$$\bar{u}_{x} + b_{y}\bar{u}_{z}$$

$$\bar{u}_{x} + b_{y}\bar{u}_{z} + b_{z}\bar{u}_{z}$$

$$\bar{u}_{x} + b_{y}\bar{u}_{z} + b_{z}\bar{u}_{z}$$

$$\bar{u}_{x} + b_{z}\bar{u}_{z} + b_{z}\bar{u}_{z}$$

$$\bar{u}_{x} + b_{z$$

$$\bar{a} = ax + ay + az$$

