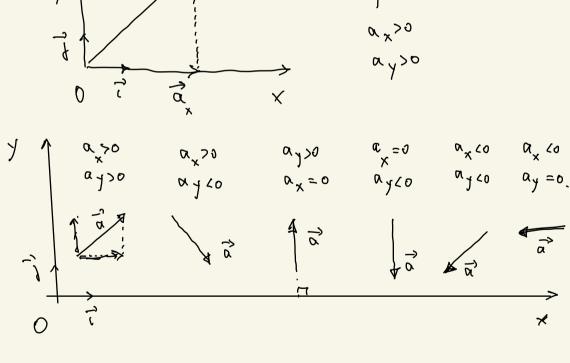
8 Decembrie 2021.



Unghial dentre des metri

$$\vec{a} \vec{b} = a b \cos \alpha = b \cos \alpha = \frac{\vec{a} \vec{b}}{a b}$$

$$\vec{a} = \vec{a} \cdot \vec{b} + \vec{a} \cdot \vec{b} + \vec{a} \cdot \vec{b}$$

$$\vec{b} = \vec{b} \cdot \vec{c} + \vec{a} \cdot \vec{f} + \vec{a} \cdot \vec{b} + \vec{b} \cdot \vec{c}$$

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

$$cod = \frac{a_x b_x + a_y b_y + a_z b_z}{\sqrt{a_x^2 + a_y^2 + a_z^2}}$$

$$\frac{1}{\sqrt{1+1+0}} = \frac{1}{\sqrt{1+(-1)+0}} = \frac{1}{\sqrt{1+(-1)+0}} = \frac{1}{\sqrt{1+1+0}} = \frac{1}{\sqrt{1$$

=) d=90.

Fie their vectors in planul
$$0 \times y : \vec{\alpha}, \vec{b}, \vec{c}, \text{core}$$

notinfac relation $\vec{b} + \vec{c} = \vec{\alpha}$. Ce relative existe into
proveduite for?
 $\vec{b}_{x}\vec{c} + \vec{b}_{y}\vec{j} + \vec{c}_{x}\vec{c} + \vec{c}_{y}\vec{j} = \vec{a}_{x}\vec{c} + \vec{a}_{y}\vec{j}$

$$\begin{array}{c}
\overrightarrow{l} \left(b_{x} + c_{x} - \alpha_{x} \right) + \overrightarrow{j} \left(b_{y} + c_{y} - \alpha_{y} \right) = 0 = 0 \\
A \overrightarrow{l} + B \overrightarrow{j} = 0 \Rightarrow A = 0 \\
B = 0$$

$$\begin{array}{c}
A = 0 \\
B = 0
\end{array}$$

$$\begin{array}{c}
b_{x} + c_{x} - \alpha_{x} = 0 \\
b_{y} + c_{y} - \alpha_{y} = 0
\end{array}$$

$$\begin{array}{c}
b_{x} + c_{x} - \alpha_{x} \\
b_{y} + c_{y} = \alpha_{y}
\end{array}$$

$$\begin{array}{c}
\overrightarrow{l} + \overrightarrow{l} = \alpha
\end{array}$$

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A = 0 \\
b_{x} + c_{x} - \alpha_{x} \\
b_{y} + c_{y} = \alpha_{y}
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$$\begin{array}{c}
A$$

$$\begin{array}{c}
\overrightarrow{I} \\
\overrightarrow{N} + \overrightarrow{E} + \overrightarrow{F_{f}} = \overrightarrow{m} \overrightarrow{\alpha} (P_{n}. \overrightarrow{I}) \\
\overrightarrow{F_{f}} = \overrightarrow{\mu} N (leglar frecenic) \\
(O + G_{x} + (-F_{f}) = m\alpha (O_{x}) \\
-N + G_{y} + O = O (O_{y}) \\
\overrightarrow{F_{f}} = \overrightarrow{\mu} N \\
\overrightarrow{F_{f}} = \overrightarrow{\mu} N
\end{array}$$

$$\begin{cases} G_{x} - F_{t} = m\alpha \\ F_{t} = \mu G_{y} \end{cases} \longrightarrow G_{x} - \mu G_{y} = m\alpha$$

$$G_{x} = G \text{ mid}$$

$$G_{y} = G \text{ cool}$$

$$\begin{array}{c} \alpha = \alpha \cos \alpha \\ \alpha y = \alpha \sin \alpha \\ \alpha y = \alpha \sin \alpha \\ \end{array}$$

$$\begin{array}{c} N_{X} = N_{1} \cos \alpha$$

$$\frac{\operatorname{cnd} + \operatorname{mid}}{\operatorname{\mu cnd} - \operatorname{mid}} = \frac{\operatorname{a \operatorname{mid}} - \operatorname{g}}{\operatorname{a \operatorname{cod}}} = \frac{\operatorname{a \operatorname{mid}}}{\operatorname{a \operatorname{cod}}} - \operatorname{g}$$

1 G= mg

$$\frac{cond + \mu nid}{\mu cnd - nid} = \frac{tgd}{a cond}$$

$$\frac{g}{a cond} = \frac{tgd}{a cond} = \frac{mid}{a cond} = \frac{cond + \mu nid}{a cond} = \frac{cond}{a cond}$$

M cond - soid cond - soid cond - soid

The cond - soid cond - soid cond

The cond (M cond - rind)

or could
$$= \frac{-1}{\cos \alpha (M \cos \alpha - M \sin \alpha)}$$

 $\frac{1}{\alpha} = \frac{-1}{M \cos \alpha - mid}$ $\frac{1}{\alpha} = \frac{1}{m\alpha - \mu \cos \alpha} = 2 \left(\frac{m\alpha - \mu \cos \alpha}{m\alpha - \mu \cos \alpha} \right)$

Concluzie: Relative de top b+ == m mit volide in over noten de coordonate (mint independente de notemel de coordonate).