Kbunepunoni

$$X = \begin{bmatrix} x_1 \\ x_2 \\ x_3 \end{bmatrix} = \begin{bmatrix} x_0 \\ \overline{x} \end{bmatrix} = |x| \cdot \begin{bmatrix} \frac{x_0}{|x|} \\ \overline{x} \\ |x| \end{bmatrix} = |x| \cdot \begin{bmatrix} \cos \varphi \\ \overline{x} \cdot \sin \varphi \end{bmatrix}$$

11/11 = 13+ 12 + 12+ 12

p survoir poise.

X= Ko+X= Kob+Xvt.+ ...+ X = is

morphorimiches vicino

Limoniame Williagenionis:

$$X \circ Y = \begin{bmatrix} \overline{X} & \overline{X} \end{bmatrix} \circ \begin{bmatrix} \overline{X} & \overline{X} \end{bmatrix} \circ \begin{bmatrix} \overline{X} & \overline{X} & \overline{X} \end{bmatrix} \circ \begin{bmatrix} \overline{X} & \overline{X} & \overline{X} & \overline{X} \end{bmatrix} \circ \begin{bmatrix} \overline{X} & \overline{X} & \overline{X} & \overline{X} \end{bmatrix} \circ \begin{bmatrix} \overline{X} & \overline{X} & \overline{X} & \overline{X} & \overline{X} \end{bmatrix} \circ \begin{bmatrix} \overline{X} & \overline$$

your her chezuba

$$X \circ \widetilde{X} = \begin{bmatrix} \kappa_0 \\ \overline{\chi} \end{bmatrix} \circ \begin{bmatrix} \kappa_0 \\ -\overline{\chi} \end{bmatrix} = \begin{bmatrix} \kappa_0^2 - (\overline{\chi}, -\overline{\chi}) \\ \kappa_0 \overline{\chi} - \kappa_0 \overline{\chi} + [\overline{\chi}, -\overline{\chi}] \end{bmatrix} = \begin{bmatrix} \kappa_0^2 \\ \overline{0} \end{bmatrix}$$

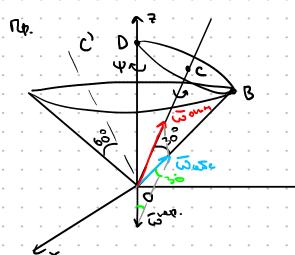
$$X \circ \underbrace{\widetilde{X}}_{||\chi||} = \{ -1 \} X^{-1} = \underbrace{\widetilde{X}}_{||\chi||}$$

Thp. Prouv. X. (Y.Z)=(X.Y).Z

Musar Pen Mensis pranticom

The Tobopour were bound our our our where home pursuous  $\Delta$  mo ear  $\Xi'=\Delta\circ\Xi\circ\Delta$ 

The Mannesura of who will Xi, Xz pulse. X12 = X2°X1



2.4 020 11 0 B

I-ve: heperocu.

missand so

17.K. 4= W mg.

$$\Lambda = \begin{bmatrix} \cos \frac{\pi}{2} \\ -i \sin \frac{\pi}{2} \end{bmatrix} = \begin{bmatrix} \cos \frac{\pi}{2} \\ -i \sin \frac{\pi}{2} \end{bmatrix} = \begin{bmatrix} 0 \\ 0 \\ 0 \\ -i \end{bmatrix}$$

100m = 10m. 2.52

N=M=1

$$X = \frac{1}{|x|} \qquad W_{\text{opt}} = \begin{bmatrix} \cos \frac{2}{5} & \cos \frac{2}{5} \\ -\frac{1}{5} & \sin \frac{2}{5} \end{bmatrix} = \begin{bmatrix} \cos \frac{2}{5} & \cos \frac{2}{5} \\ -\frac{1}{5} & \sin \frac{2}{5} \end{bmatrix}$$

The coscul. Wan-ch when b coscul. Ocex