[3.4] Let 
$$\vec{n} = \begin{bmatrix} n_x \\ n_y \\ n_y \end{bmatrix} = \begin{bmatrix} n_x \log n_y \\ n_y \log n_y \end{bmatrix}$$
 be a disection in  $\mathbb{R}^3$  in appearable coordinates.

Compatite the supermeters and supermeters for  $\vec{n}_x = \begin{bmatrix} n_x + n_y \\ n_y - n_y \end{bmatrix}$ 

Solution:  $\vec{n}_x = \begin{bmatrix} co_x b \\ ain \theta(cop + i ain p) \\ -co_x b \end{bmatrix} = \begin{bmatrix} co_x b \\ ain \theta e^{ip} \\ -co_x b \end{bmatrix}$ 

$$0 = \det (\vec{n}_x - \lambda \vec{1}_x) = \begin{bmatrix} co_x b \\ ain \theta e^{ip} \\ -co_x b \end{bmatrix} - \lambda \text{ on } \theta e^{ip} \\ -co_x b \end{bmatrix} = \begin{bmatrix} co_x b \\ ain \theta e^{ip} \\ -co_x b \end{bmatrix}$$

$$0 = \det (\vec{n}_x - \lambda \vec{1}_x) = \begin{bmatrix} co_x b \\ ain \theta e^{ip} \\ -co_x b \end{bmatrix} - \lambda \text{ on } \theta e^{ip} \\ -co_x b \end{bmatrix} = \begin{bmatrix} co_x b \\ -co_x b \end{bmatrix}$$

$$0 = \det (\vec{n}_x - \lambda \vec{1}_x) = \begin{bmatrix} co_x b \\ -co_x b \end{bmatrix} - \lambda \text{ on } \theta e^{ip} \\ -co_x b \end{bmatrix} = \begin{bmatrix} co_x b \\ -co_x b \end{bmatrix}$$

$$0 = \det (\vec{n}_x - \lambda \vec{1}_x) = \begin{bmatrix} co_x b \\ -co_x b \end{bmatrix} - \lambda \text{ on } \theta e^{ip} \\ -co_x b \end{bmatrix} = \begin{bmatrix} co_x b \\ -co_x b \end{bmatrix} - \lambda \text{ on } \theta e^{ip} \\ -co_x b \end{bmatrix}$$

Containing solution solutions of  $\vec{n}_x = \begin{bmatrix} co_x b \\ -co_x b \end{bmatrix}$ , distins in  $x \in P$  have  $\vec{n}_x = P$  and  $\vec{n}_x = P$