NISARG UPADHYAYA

190530031

DROP

PERPENDICULAR

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FROM

6, & bz

6,0,0)

on only plane.

Tor 6, on dropping propendiable necest vector to 6, on sy plane,

(0,0,0).

$$\frac{\partial}{\partial x} \left[\begin{array}{c} 0 \\ 0 \\ 0 \end{array} \right] + \begin{array}{c} 0 \\ 0 \\ 0 \end{array} \right] = \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \end{bmatrix}$$

Hence
$$\hat{x}_i = \begin{bmatrix} 0 \\ 0 \end{bmatrix}$$

For b_2 , on deapping perpendicular records vector to b_2 on ∞ plane = (1, 1, 0)

$$\Rightarrow \bigcirc \times \begin{bmatrix} 1 \\ 8 \end{bmatrix} + 1 \times \begin{bmatrix} 1 \\ 6 \end{bmatrix} = \begin{bmatrix} 1 \\ 6 \end{bmatrix}$$

Hence
$$\widehat{\alpha}_2 = \begin{bmatrix} 0 \\ 1 \end{bmatrix}$$