

3D:
$$\bar{N} = \bar{N}_{R} + \bar{N}_{R} + \bar{N}_{L} = \bar{N}_{R} \bar{v}_{R} + \bar{N}_{L} \bar{v}_{L}$$

$$\left\{ \bar{v}_{R}, \bar{v}_{R}, \bar{v}_{R} \right\} \quad \text{base}$$

$$\overline{\sigma} = \overline{\sigma}_n + \overline{\sigma}_y + \overline{\sigma}_z = \overline{\sigma}_n \overline{\sigma}_n + \overline{\sigma}_y \overline{\sigma}_y + \overline{\sigma}_z \overline{\sigma}_z$$

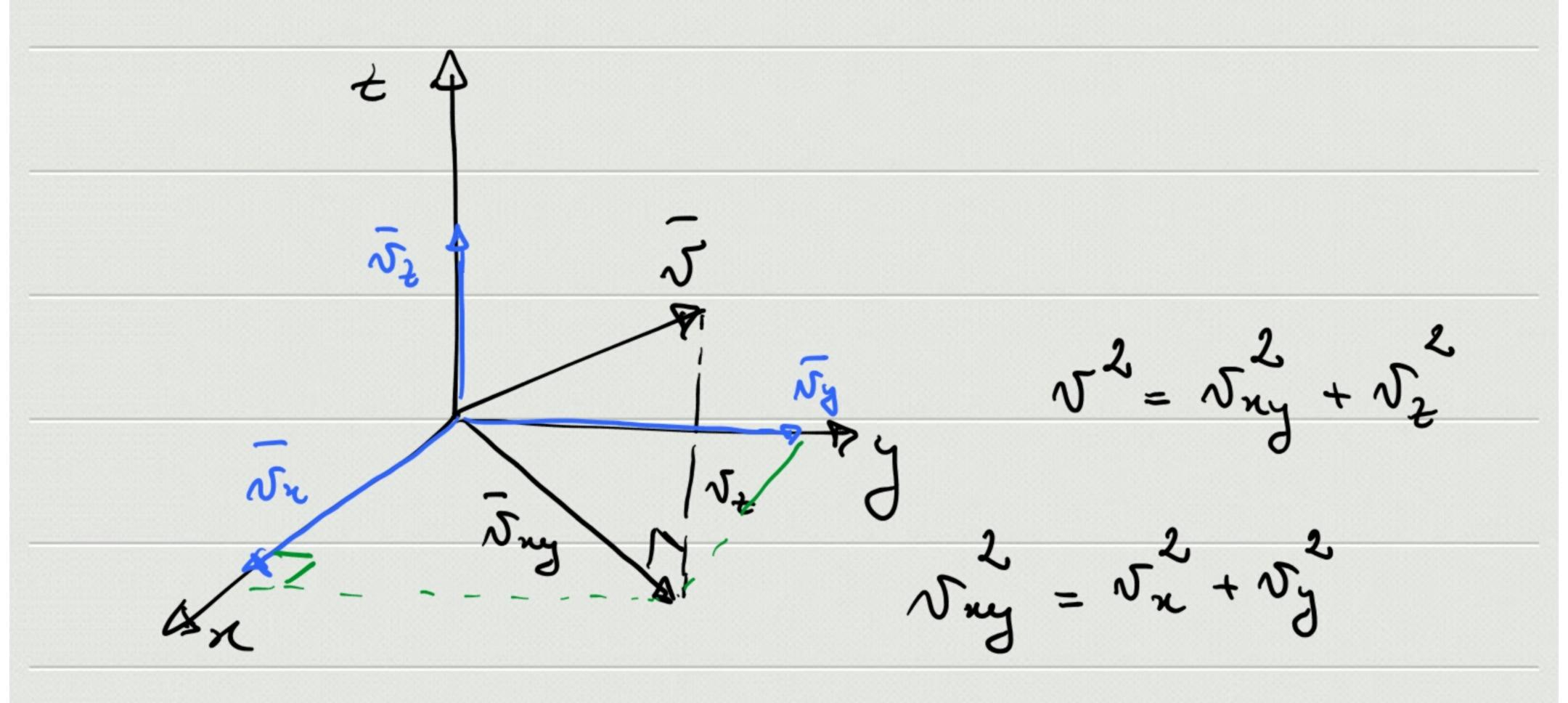
$$\overline{\mathcal{J}} = \left(\mathcal{N}_{x_1} \mathcal{N}_{y_2} \mathcal{N}_{z_2} \right)$$

$$\bar{a} = a_x \bar{u}_x + a_y \bar{u}_y + a_z \bar{u}_z$$

$$\bar{b} = b_x \bar{u}_x + b_y \bar{u}_y + b_z \bar{u}_z$$

$$\bar{a} + \bar{b} = (a_{x}\bar{c}_{x} + ...) + (b_{x}\bar{c}_{x} + ...) =$$

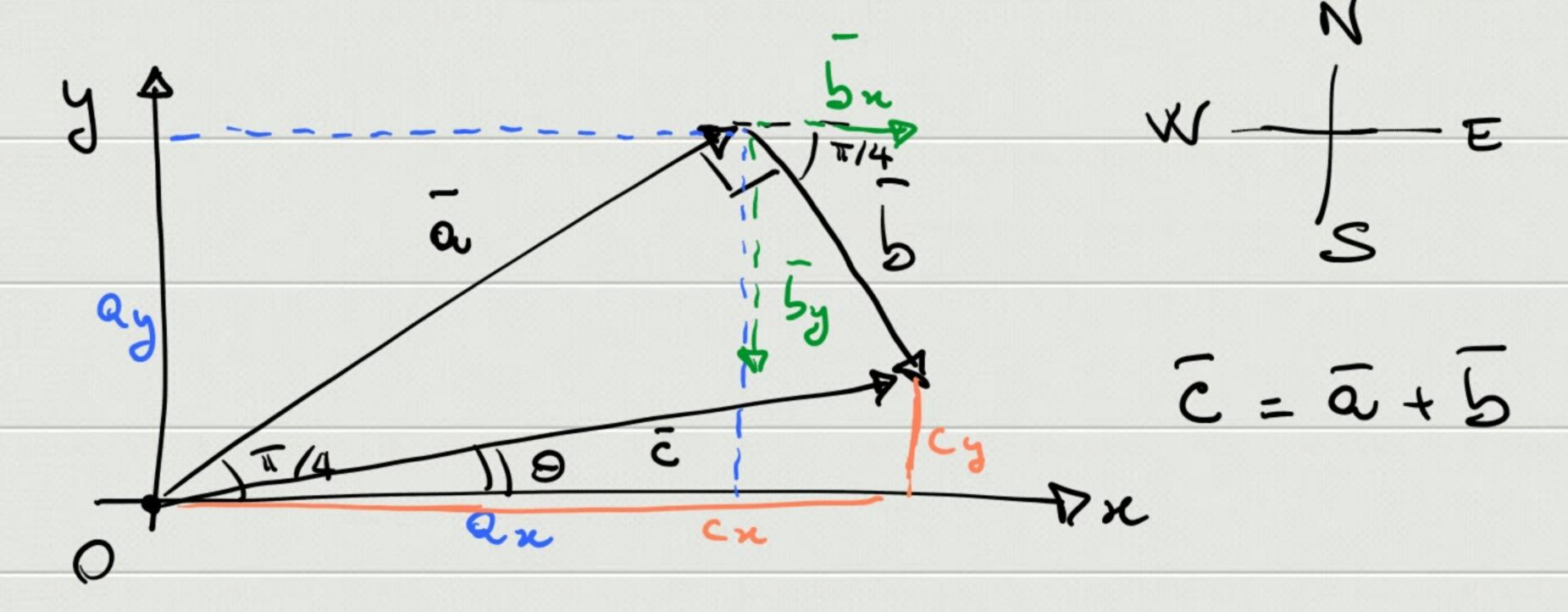
$$= (a_{x} + b_{x})\bar{c}_{x} + (a_{y} + b_{y})\bar{c}_{y} + (a_{z} + b_{z})\bar{c}_{z}$$



$$\int \mathcal{S}^2 = \mathcal{S}_{x}^2 + \mathcal{S}_{y}^2 + \mathcal{S}_{z}^2$$

NE

SE



$$a_{x} = a cos \frac{\pi}{4} = 4 \frac{\sqrt{2}}{2} \approx 2.83 \text{ hm}$$

$$ay = a_{3} = \frac{\pi}{4} = 4 \frac{12}{2} = 2.83 \text{ km}$$

$$b_{n} = b \cos \frac{\pi}{4} = 3 \frac{\sqrt{2}}{2} \approx 2.12 \text{ km}$$

$$cy = cx + by 9 \Rightarrow 9 = oby \left(\frac{cy}{cx}\right) = 8.13^{\circ}$$