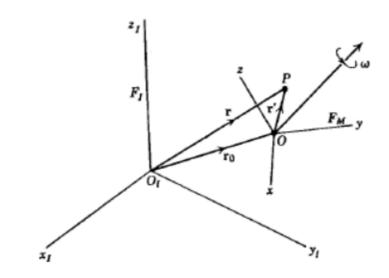
2.) 
$$\vec{V}_b = \frac{1}{4\pi} \vec{F}_{xb} + RV - QW$$

$$= \begin{bmatrix} \frac{1}{4m} F_{xb} + RV - QW \\ \frac{1}{4m} F_{by} + QU - PV \end{bmatrix}$$

4) 
$$\vec{a}_b^{\dagger} = \vec{b}_b + \vec{b$$



$$\begin{bmatrix} \vec{\eta}'' \\ NED \end{bmatrix}_b = \vec{\eta}'_b + \vec{w}_b \times \vec{\eta}'_b$$

$$\begin{bmatrix} \vec{\eta}'' \\ NED \end{bmatrix}_b = \vec{w}_b \times \vec{\eta}'_b$$

$$\begin{bmatrix} \vec{\eta}'' \\ NED \end{bmatrix}_b = \vec{w}_b \times \vec{\eta}'_b$$

Corivando novamente
$$\begin{bmatrix} \vec{\eta} \\ \nu \in \mathcal{D} \end{bmatrix}_{b} = \vec{\mathcal{D}}_{b} \times \vec{\eta} \\ b + \vec{\mathcal{D}}_{b} \times \vec{\mathcal{D}}_{b} \times \vec{\eta} \\ b + \vec{\mathcal{D}}_{b} \times \vec{\eta} \\ b + \vec{\mathcal{D}}_{b} \times \vec{\mathcal{D}}_{b} \times \vec{\eta} \\ b + \vec{\mathcal{D}}_{b} \times \vec{\mathcal{D}}_{b} \times \vec{\mathcal{D}}_{b} \times \vec{\mathcal{D}}_{b}$$

i) Como:
$$\vec{a}_{b} = [\vec{V}_{NED}]_{b} - \vec{a}_{b} + [\vec{n}_{NED}]_{b}$$

$$\vec{a}_{b}' = \vec{V}_{b} + \vec{w}_{b} \times \vec{V}_{b} - D_{b} \vec{q}_{NED} + \vec{w}_{b} \times \vec{n}_{b}' + \vec{w}_{b} \times (\vec{w}_{b} \times \vec{n}_{b}')$$

$$\vec{i}_{b} = \vec{a}_{b} - \vec{w}_{b} \times \vec{V}_{b} + D_{b} \vec{q}_{NED} - \vec{w}_{b} \times \vec{n}_{b}' - \vec{w}_{b} \times \vec{n}_{b}')$$

$$\vec{a}_b = \vec{V}_b + \vec{w}_b \times \vec{V}_b - \vec{D}_b \vec{q}_{NED} + \vec{w}_b \times \vec{n}_b' + \vec{w}_b \times (\vec{w}_b \times \vec{n}_b')$$

$$\vec{l}_{i}) \vec{V}_{b} = \vec{a}_{b} - \vec{w}_{b} \times \vec{V}_{b} + \vec{D}_{b} \vec{q}_{NED} - \vec{w}_{b} \times \vec{n}_{b} - \vec{w}_{b} \times (\vec{w}_{b} \times \vec{n}_{b})$$

$$\frac{7}{2} = \frac{1}{2} = \frac{1}$$

$$\left(\frac{1}{2}\right)_{i} = \left(\frac{1}{2}\right)_{NED}$$

$$\vec{\mathcal{U}}_b = \vec{\mathcal{J}}_b - \vec{\mathcal{U}}_b \times \vec{\mathcal{J}}_b \vec{\mathcal{U}}$$