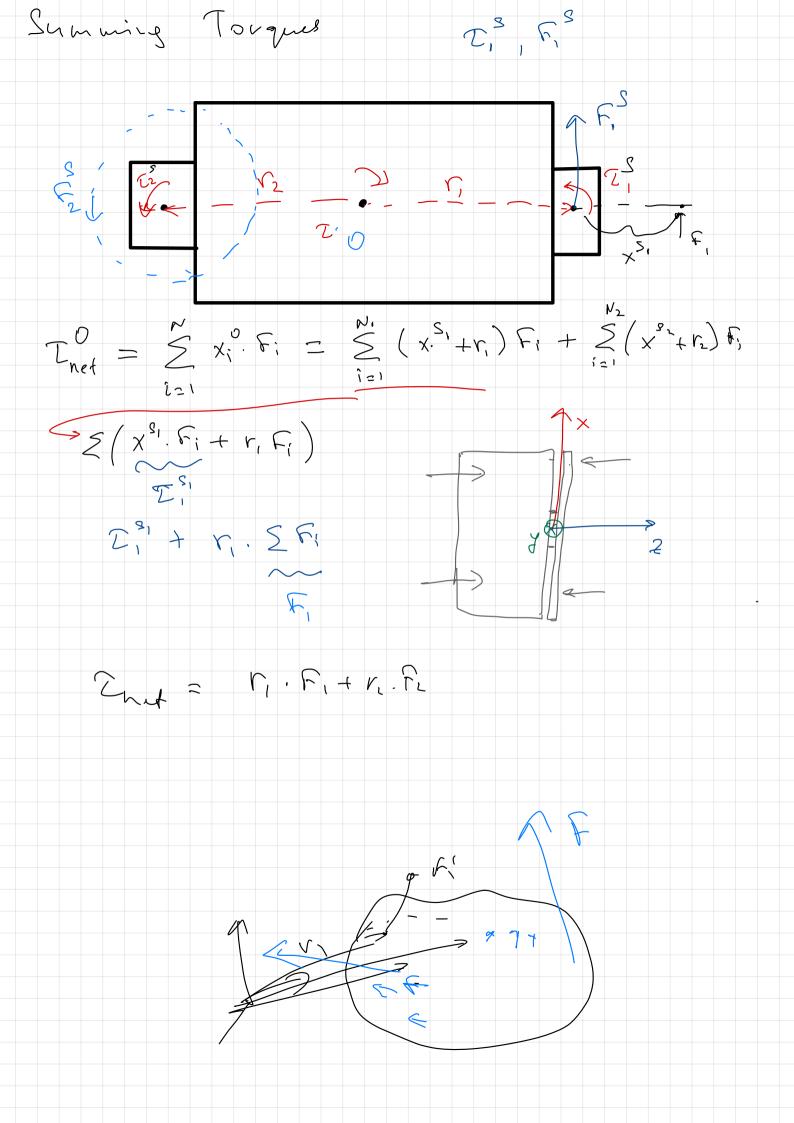


Acceleration tand = any => d= Zan ay



Rotational Velocity.

$$q_a(t) = R_{ab}(t) q_b$$

$$N_{qa}(4) = \frac{d}{d4} q_a(4) = R_{ab}(4) \cdot q_b$$

$$Ng_a(t) = \hat{R}_{ab} \cdot \hat{R}_{ab} (t) \cdot \hat{R}_{ab} q_b$$

$$\hat{\omega}_{ab} = \hat{R}_{ab} - \hat{R}_{ab}$$

$$\hat{\omega}_{ab} = \hat{R}_{ab} - \hat{R}_{ab}$$

$$\begin{aligned}
& \begin{cases}
\mathcal{C} = \begin{bmatrix} \mathcal{S}_{ab}^{s} \\ \mathcal{W}_{ab}^{s} \end{bmatrix} = \begin{bmatrix} \mathcal{R}_{ab} & \hat{P}_{aa} & \mathcal{R}_{ab} \\ \mathcal{O} & \mathcal{R}_{ab} \end{bmatrix} \begin{bmatrix} \mathcal{S}_{ab}^{b} \\ \mathcal{W}_{ab}^{b} \end{bmatrix} \\
& \mathcal{W}_{ab}^{s} = \begin{bmatrix} \mathcal{R}_{ab} & \mathcal{W}_{ab} \\ \mathcal{W}_{ab}^{c} \end{bmatrix} = \begin{bmatrix} \mathcal{R}_{ab} & \mathcal{W}_{ab} \\ \mathcal{W}_{ab}^{c} \end{bmatrix} + \begin{bmatrix} \mathcal{W}_{ab} & \mathcal{W}_{ab} \\ \mathcal{W}_{ab} \end{bmatrix} + \begin{bmatrix} \mathcal{W}_{ab} & \mathcal{W}_{ab} \\ \mathcal{W}_$$

$$V_{as} = \begin{pmatrix} R^{T} & -R^{T} \hat{\rho} \\ 0 & R^{T} \end{pmatrix} \begin{bmatrix} N_{ab} \\ \omega_{ab} \end{bmatrix} = \begin{bmatrix} R_{ab} & N_{ab} \\ 0 & R^{T} \end{bmatrix} \begin{bmatrix} R_{ab} & N_{ab} \\ 0 & R^{T} \end{bmatrix}$$

at the beginning Negotiation of Ceft/ right of intwaction Conflict Sim ultaneons Simulfanens Agree met Waiting for the partner (Only One) Doth Waiting

