Spatial Inertia
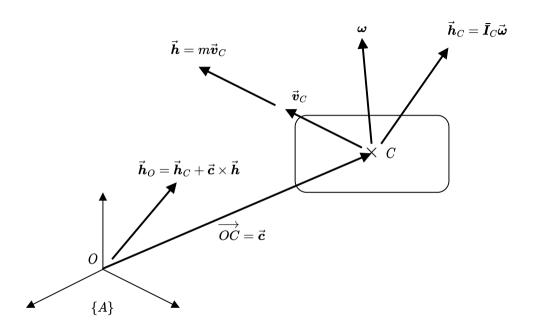

Spatial Inertia : $\quad \boldsymbol{I}_O = \begin{bmatrix} \bar{\boldsymbol{I}}_O & m\vec{\boldsymbol{c}}\times \\ m\vec{\boldsymbol{c}}\times^{\mathrm{T}} & m\boldsymbol{1} \end{bmatrix}$ $\quad$ where $\quad \bar{\boldsymbol{I}}_O = \bar{\boldsymbol{I}}_C - m\vec{\boldsymbol{c}} \times \vec{\boldsymbol{c}} \times$