

Momentum:

angular: $\mathbf{k}_i = \bar{\mathbf{I}}_i \boldsymbol{\omega}_i$

linear: $\mathbf{l}_i = m_i \mathbf{v}_{Gi}$

spatial: $\mathbf{h}_i = \begin{bmatrix} \mathbf{k}_i \\ \mathbf{l}_i \end{bmatrix}$

