

Transformation Diagram

Joint Space
(or, Configuration Space)
(n -dim)

\dot{q}

H

h_J

J

A

J^T

System Space
($6N$ -dim)

\mathbf{v}

I

h

X_G

$A_G = X_G^T A$

X_G^T

CoM Space
(or, Task Space)
(6 -dim)

\mathbf{v}_G

I_G

h_G

velocity

momentum

