Upper 4 DOF of each arm.

Sensed joint torque

$$\boldsymbol{\tau} = \left[\boldsymbol{\tau}_0, \boldsymbol{\tau}_1, \boldsymbol{\tau}_2, \boldsymbol{\tau}_3\right]$$

Sensed joint angle

$$q = [q_0, q_1, q_2, q_3]$$

Jacobian relates hand forces to joint torques

$$\tau = J^T f_h$$

Simplified mass model

$$m = [m_0, m_1]$$

