

Linear constraints as an approximation of static endpoint force caused by tendon tensions.

$$\begin{pmatrix} f_x \\ f_y \\ f_z \\ \tau_x \\ \tau_y \\ \tau_z \end{pmatrix} = \mathbf{w} = H\mathbf{a} = H \begin{pmatrix} a_1 \\ a_2 \\ a_3 \\ \dots \\ a_n \end{pmatrix}, \mathbf{a} \in [0, 1]^n$$

Muscle Tensions * H = Output Forces

Feasibility Theory

- Intuition

All the ways that tendons create a force

- Math

Linear constraints to define the solution space

- Simulation

- Experiment