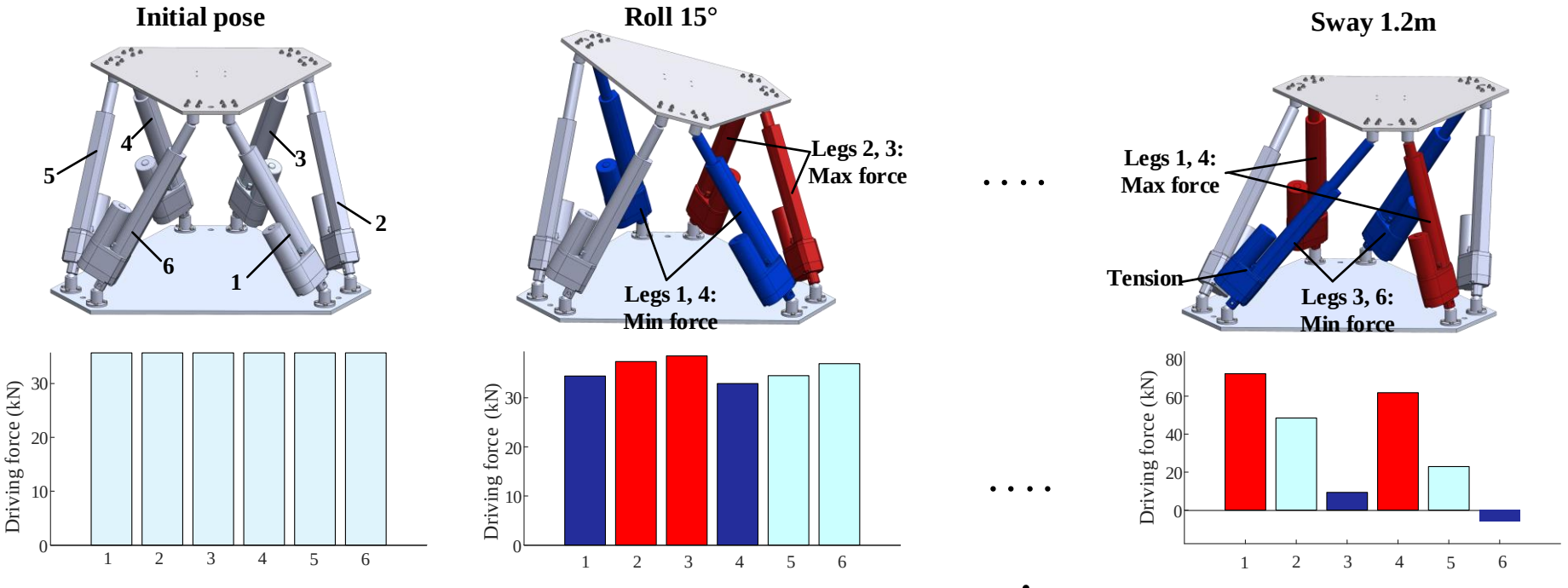
Peak driving force objective f_2 and its optimization



Traverse all extreme poses to obtain the maximum leg driving force for each pose

$$f_2(x) = \max_{j \in P}\left(\max_{i=1\ldots6}\left|F_{i,j}\right|\right)$$

Objective: Minimize f_2

Effectively reduce the peak torque of drive motors

Reduce system energy consumption and cooling requirements