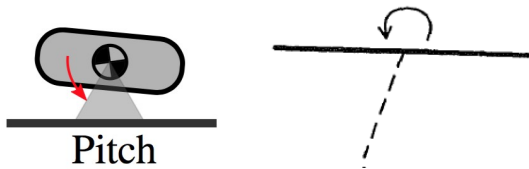
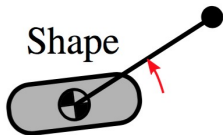


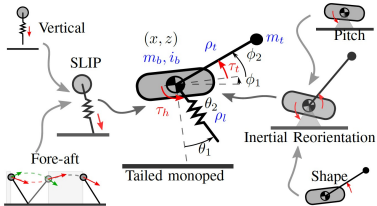
Attitude control templates



Inertial reorientation Johnson et al. [2012]

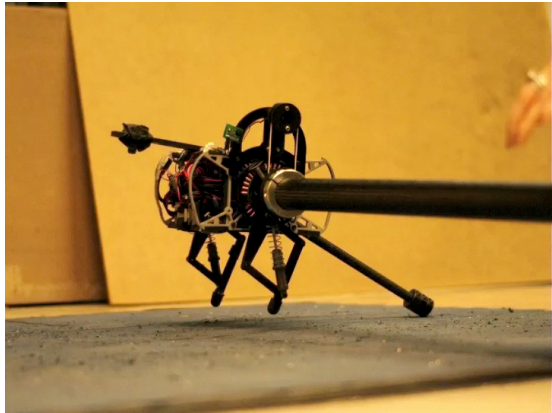


Four-way composition for tail-energized planar hopping

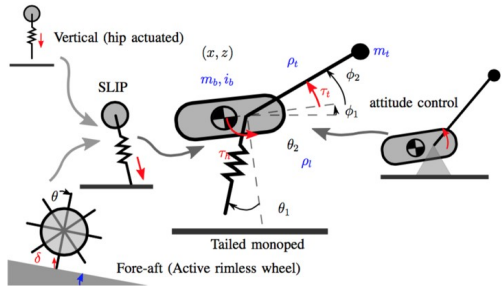


From De and Koditschek [2015b]

Experiments WIP

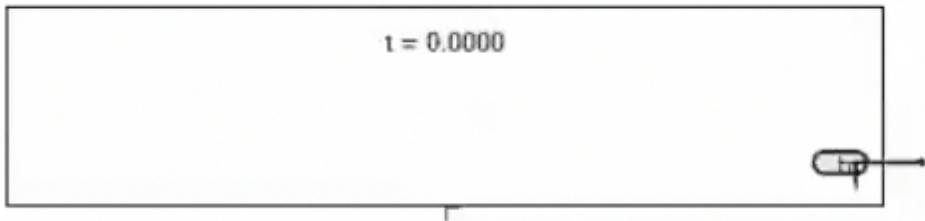


Hip-energized planar hopping



Alternate solutions

- Trade-off: speed vs. traction
- Morphological reduction (Libby et al. [2015])—constraint on CoM location



Summary

- We can have different *anchorings* for the same *templates*
- Can be thought of as “alternate solutions” for the same behaviors
- Allow freedom to select the most efficient/most robust/etc. for the specific operating conditions