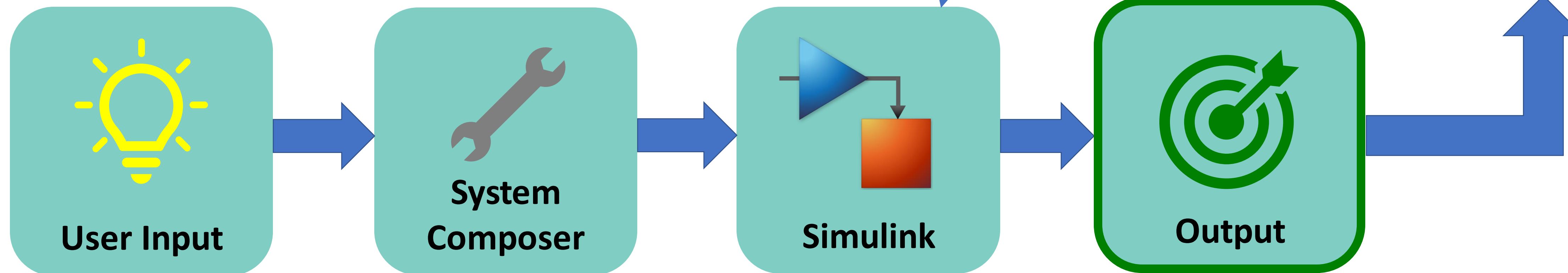
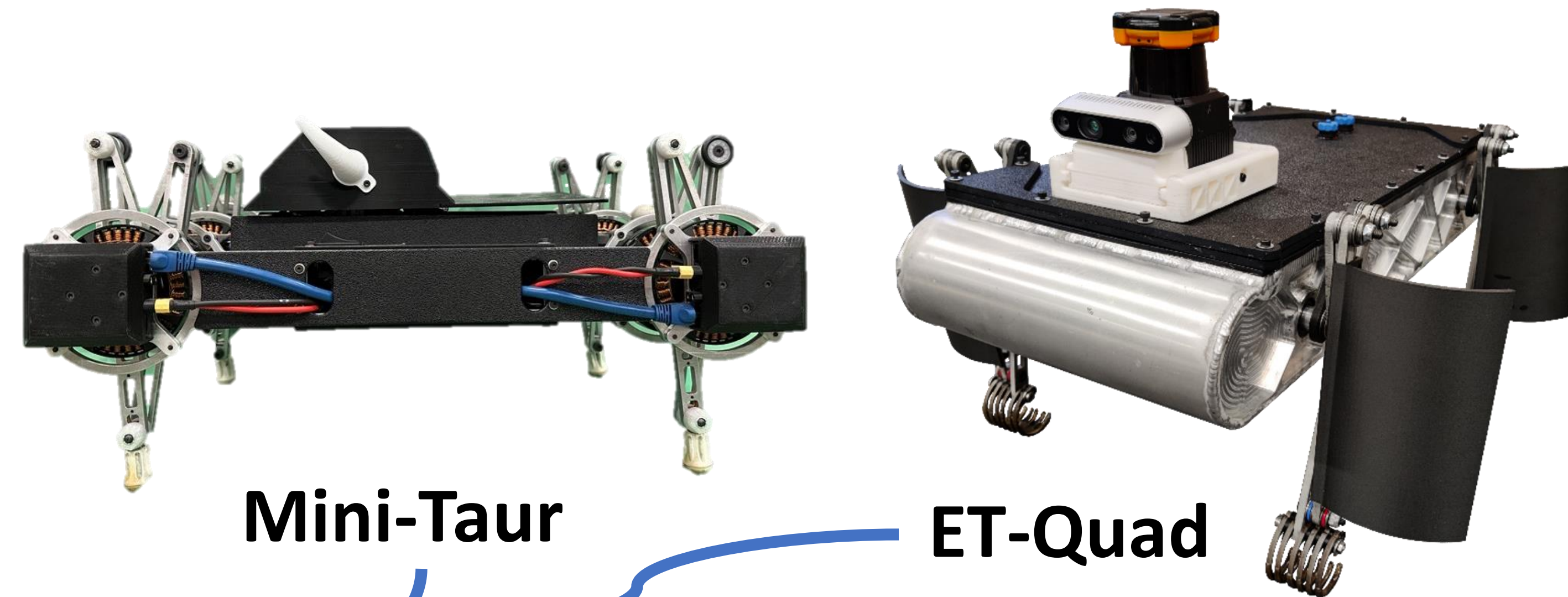
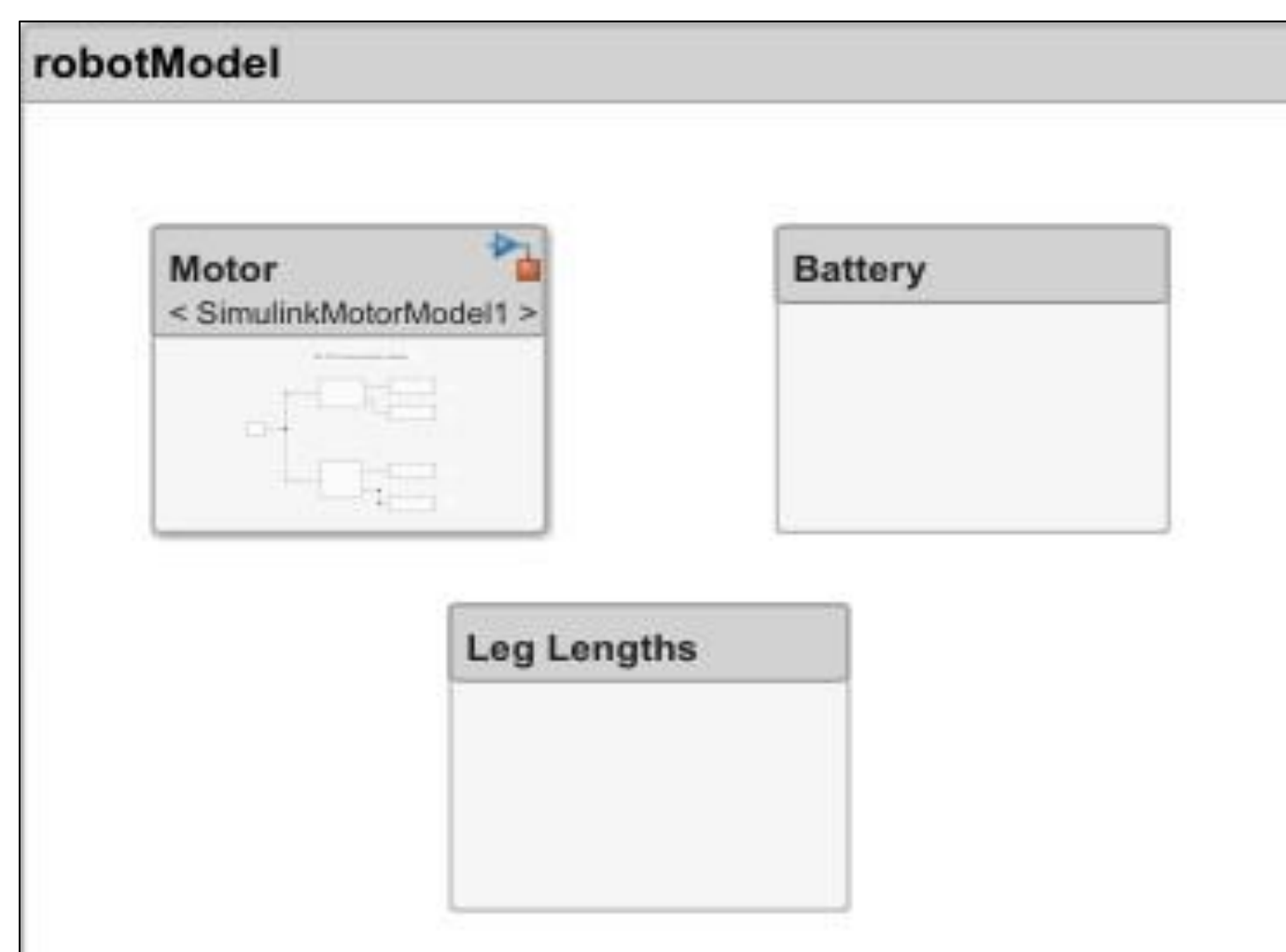


## Objective

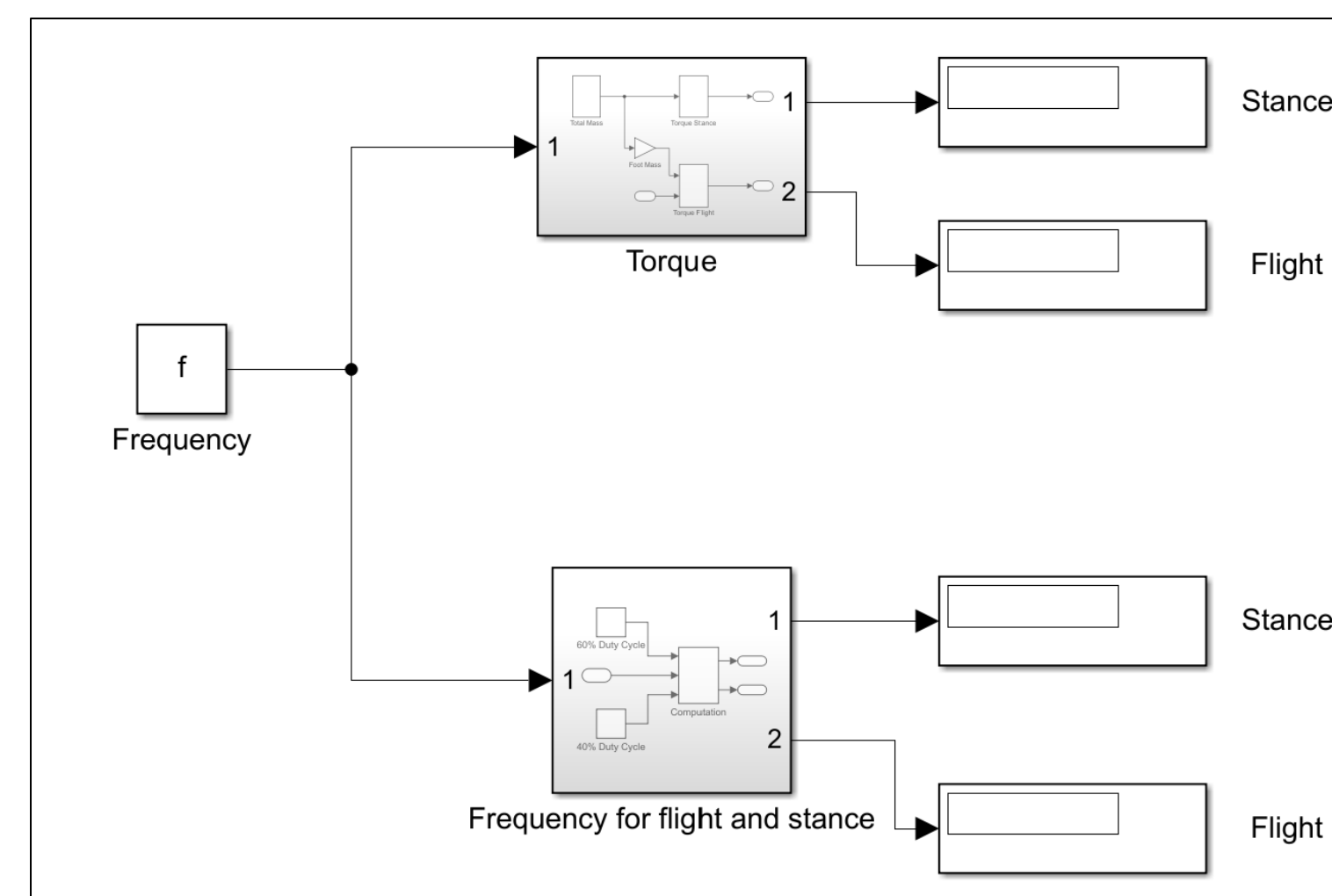
Develop a tool that **aids in the design of quadrupedal robots** using the **knowledge gained from previously built CISCOR robots**



## Development Tool Suite



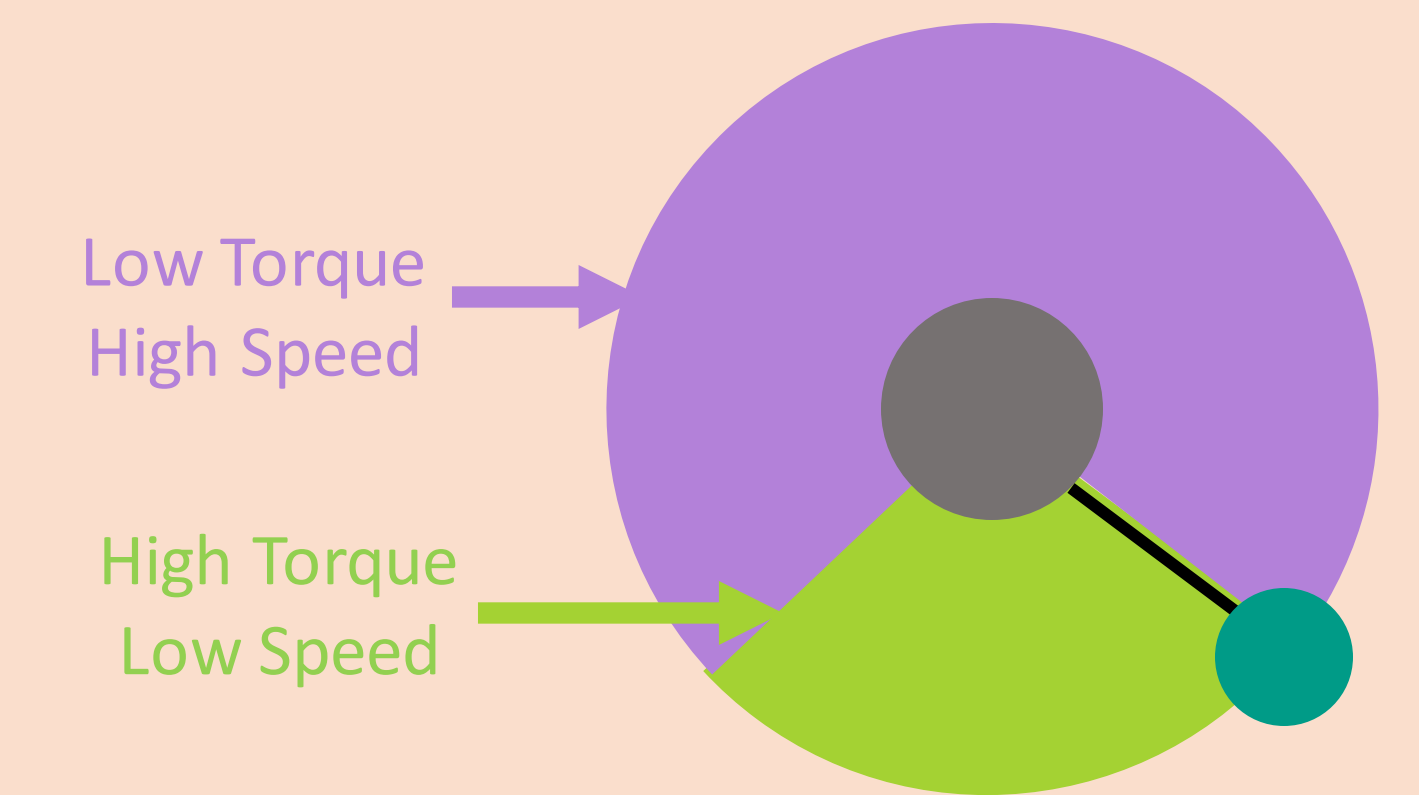
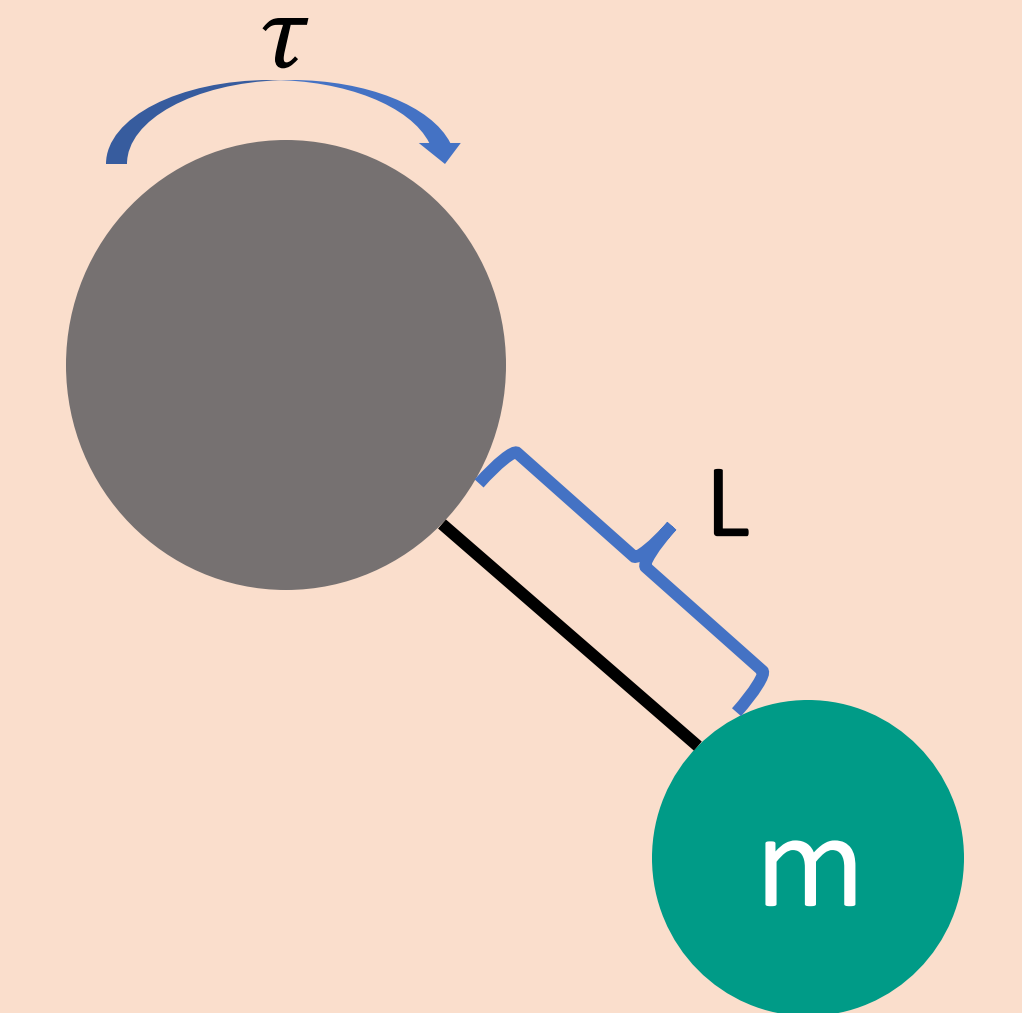
System Composer



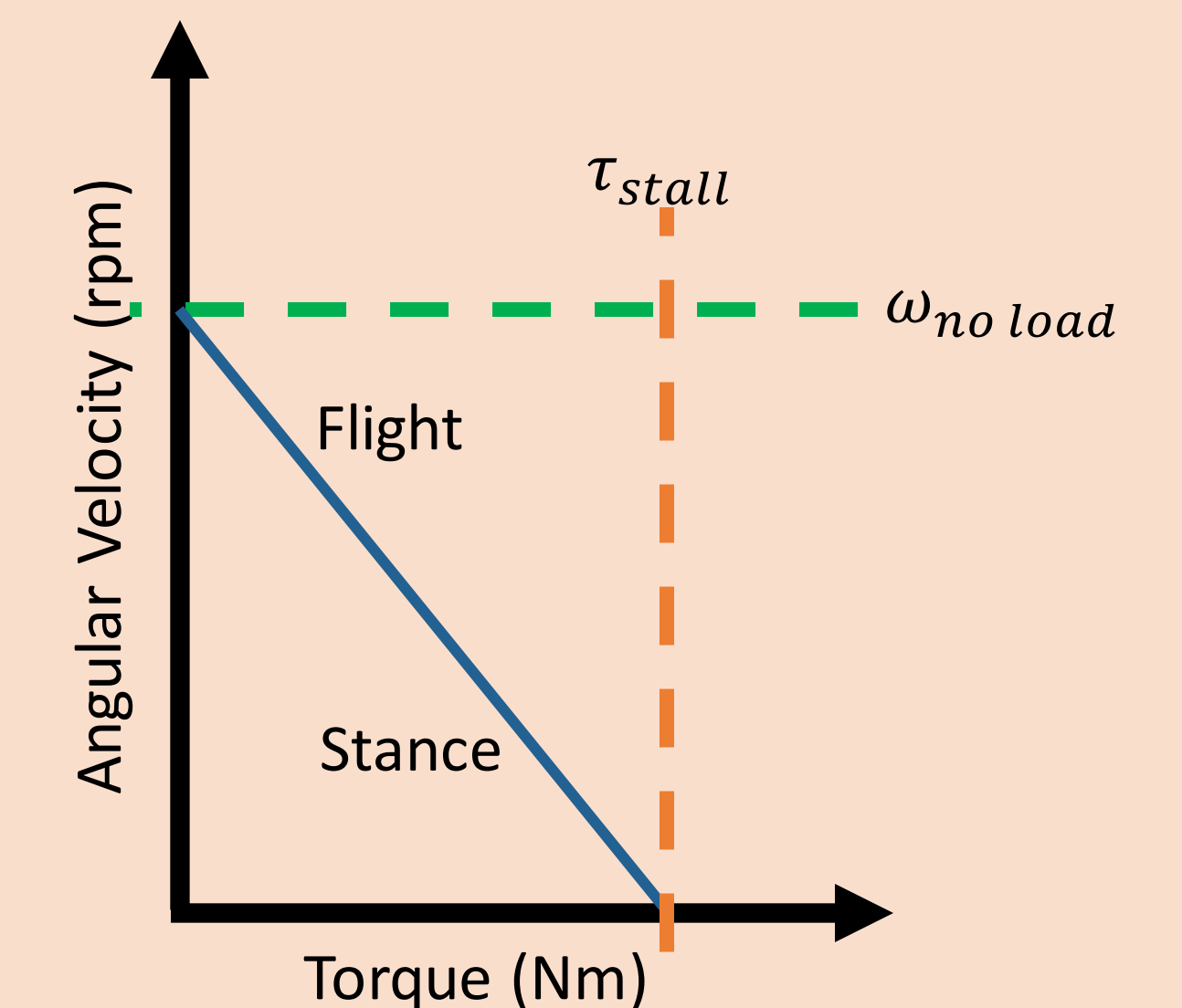
Simulink

- Battery
- Leg Length
- Motor Specs
- Robot Mass

## Robot Physics



## Motion Phases – Stance and Flight



Angular Velocity Versus Torque