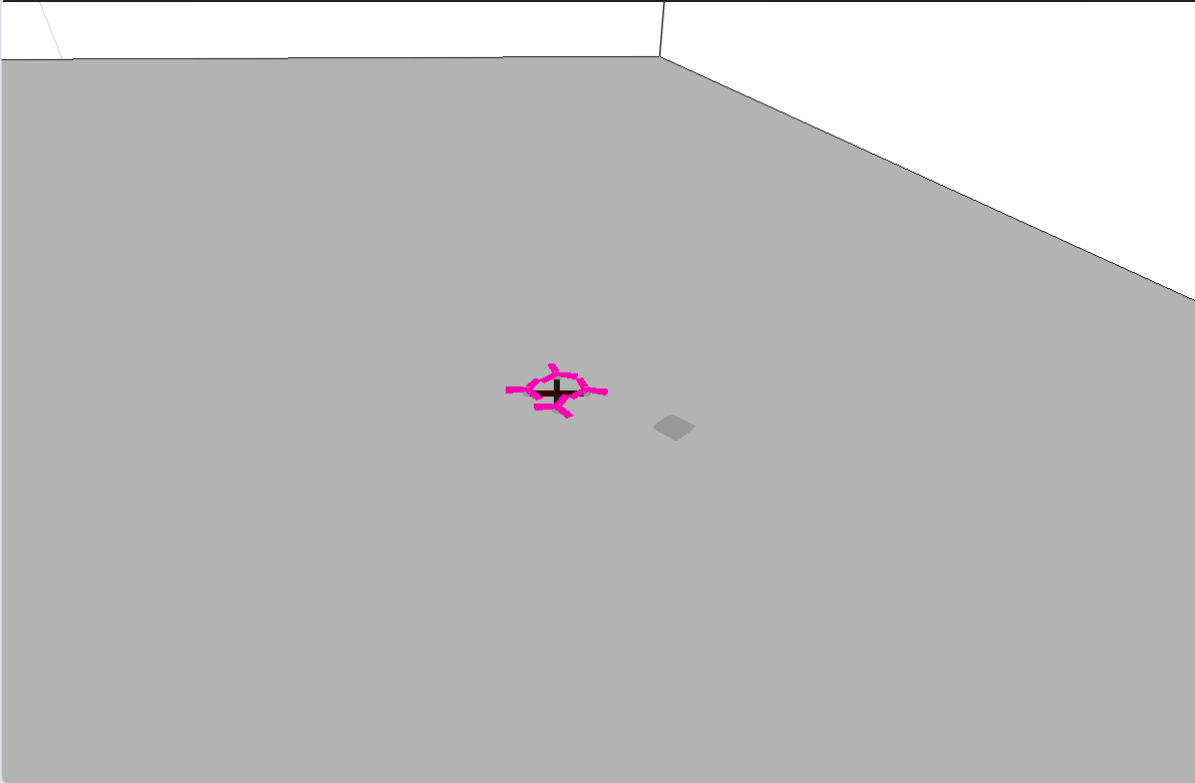


Drone Patches/Display: Body Fixed View, like a 3rd Person View



Tab 1: Drone
Parameters

Tab 2:
State Estimation
and Noise
Parameters

Tab 3:
Simulation Parameters

Tab 4:
Control System
Parameters

Note, the tabs will open up a new set of sliders and user selection inputs.

Drone parameters: include mass and Moment of Inertia, and potentially the size shown in the plot

State Estimation and Noise parameters: include the noise and bias added and Kalman filtering covariances and initial uncertainties. Plotting these values versus real could also be on this tab

Simulation Parameters: include the time step, the display frequency, and other simulation parameters like logging data.

Control system parameters: include velocity and angle limits, adaptive control on/off, angle control vs velocity control, and potentially waypoint following and use choosing the waypoints

Start

Pause

Reset