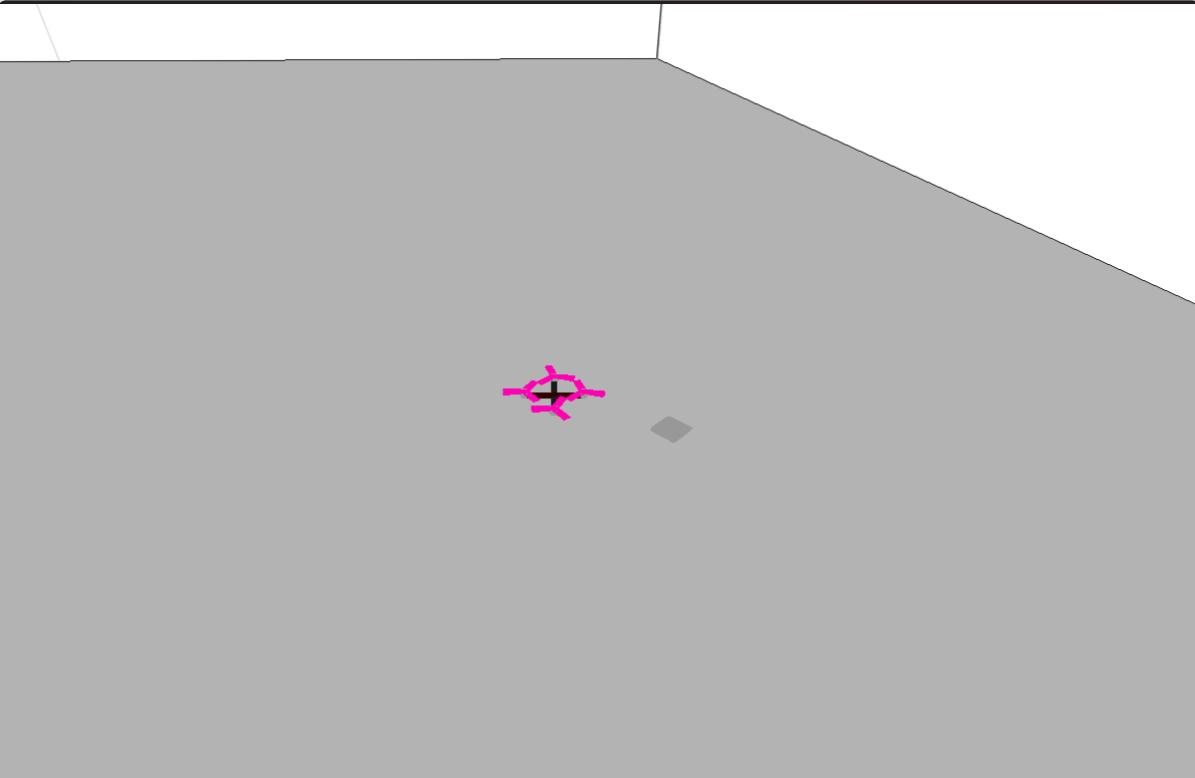


## GUI/Display

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 Interia, and potentially the size shown in the plot

**State Estimation and Noise parameters:** include the noise and biase added and Kalman filtering covarainces and intial uncertainties. Plotting these values versus real could also be on this tab

**Simulation Parameters:** include the time step, the display frequency, and other simulation paramters 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