

Homework 8

Video: <https://youtu.be/BPgu-X-AZEc>

Self-Assessment: 100 points out of 100

Notes:

This video shows the auto pilot tracking all commands using state estimates from an Extended Kalman Filter. Plots are given which show the commanded position, estimated position, and actual position. Other plots are given which show the estimation error for all states (zero is perfect estimation). Finally, two plots are shown which show the actual wind (including turbulence) and the estimated wind. As can be seen from these plots the aircraft estimates its position and tracks the commands very well.