Project Proposal

For my project I propose extending the simulator by implementing the autopilot using full state feedback. To do this I will need to find the state space matrices using the variables of interest $[\chi, \phi, h, \theta, \beta, V_a]^T$ then, using these state space matrices, I will tune and place the poles. The gains found will then be implemented to find $[\delta_a, \delta_e, \delta_r, \delta_t]^T$.