Friday October 28, 2016

Meeting Minutes

Attendees: Dylan Humber, Dr. Rhinelander, Lucas Doucette, Brendon Camm

Discussed simulation designed by Brendon as a simple demonstration of the velocity, acceleration and position of a body based on a thrust input. The simulation was demonstrated to Dr. Rhinelander.

Dr. Rhinelander proposed using sub blocks in the simulation to produce quad motor simulations. This will allow testing of thrust vectors in more directions than simply vertical.

Discussed the design memo with Dr. Rhinelander, made comments on the open-endedness of the memo. Dr. Rhinelander was satisfied with the layout of the memo and signed.

Need to scan the signed document and send to all members.

The GPS chip from adafruit will be provided within the month.

Performance - Drone Stabilization may be ambitious, need to reconsider methods to test stabilization. (Such as indoor testing with one directional wind forces)

Dr. Rhinelander will be writing liability contracts for the work and for component damages. Liability documentation for lab at SMU will be looked into.

Dr. Rhinelander will contact us regarding a date for characterization of the drone as a solid body. (Sometime during the break week)