496 Quad-Copter Project

Weekly Report 2 [9/14/2014 ~ 9/20/2014]

Steven Chen

We didn’t meet up as long as we did compare to the previous week. A number of us had a lot of homework and projects to catch up on. One of the major things that happened during this week was the switch from the Mega board to the Due board. However, there was an issue with power input/output with the Due board where it can only handle 3.3 volts verses the standard 5 volts. This cut the scale for the PWM controlling the motor by about half, thus our decision to swap back to the old board.

PID tuning resumed, however we had encounter an issue with the motor speed and direction. We realized that the scalars used to adjust the PID were too small and after swapping back to the Mega board we had installed the sensor board in the wrong direction. This was all corrected through code.