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4/17/19

PHY 420

Research Outline 1

1. Computer Modelling
2. Why is it important
3. How is it useful
4. Drone simulation
5. Where to start (type of code)
6. Newton Laws
7. Rigid body
8. Runge-Kutta time step
9. Overcoming engineering challenges
10. Constant force thrusters
11. Flight control operations
12. Insights from drone model
13. Lessons learned
14. Possible future additions
15. How it may be applied to developing a real drone.