Project 1–notes

Jean-Bernard

May 2, 2019

1. `Python` **code from Peter Huang.** A quadcopter/quadrotor simulation in python. It builds from the dynamical models (linearized or not, I don't know.) The GitHub code can be found here: `https://github.com/hbd730/quadcopter-simulation`.

2. **A write-up from Andrew Gibiansky.** This is another simulation that goes into the details from the dynamics, to PID control and the simulations. Unlike the previous one, this is written in `MATLAB`. (It is from 2012, I suspect `Python` hadn't caught up to near where it is now. Although, the author did use `Python` in his subsequent blog posts.) Nevertheless, this comes with a very detailed write-up that probably provides really valuable explanations. It can be found at `http://andrew.gibiansky.com/blog/physics/quadcopter-dynamics/`. The code can be found at `https://github.com/gibiansky/experiments/tree/master/quadcopter`.