Tethering System for Unmanned Aerial Vehicles

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Motivation

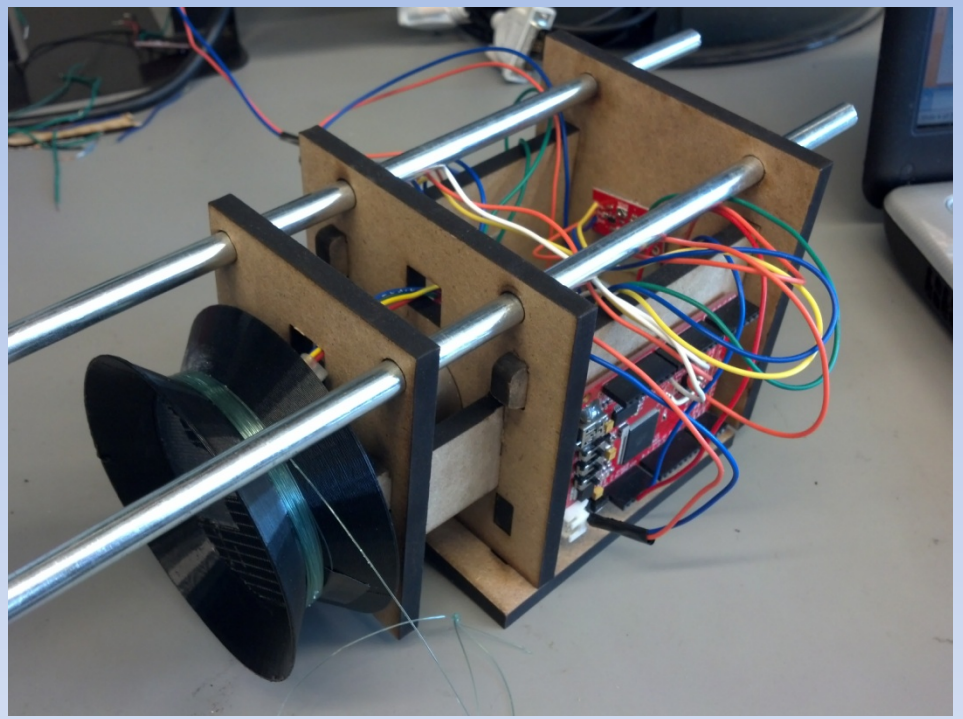
- Larger Project
  - Creating a system where ground and aerial robots work together
- Requires connecting a quadrotor to a ground robot
  - Develop a tether

Requirements

- Quadrotor has to fly with unimpeded motion
- Avoid tangling tether in the blades
- The line needs to be self-adjusting

Results

- Using
  - DC motor
  - Current Sensor
  - Microcontroller
- We made
  - PID controller



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