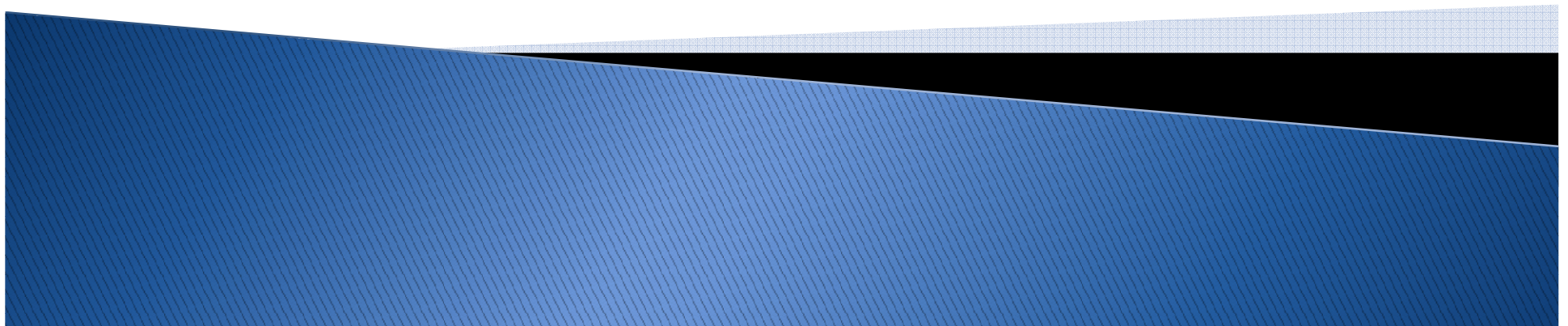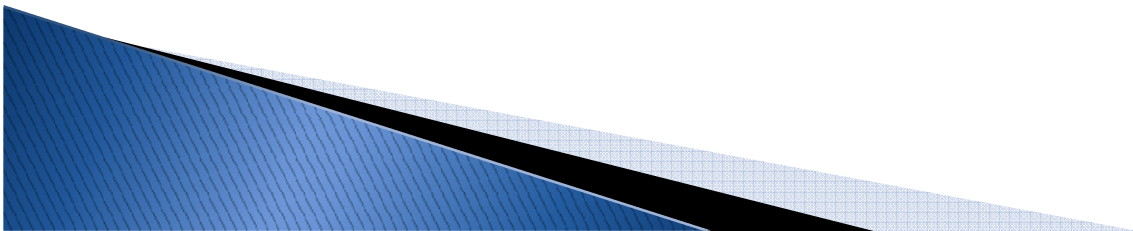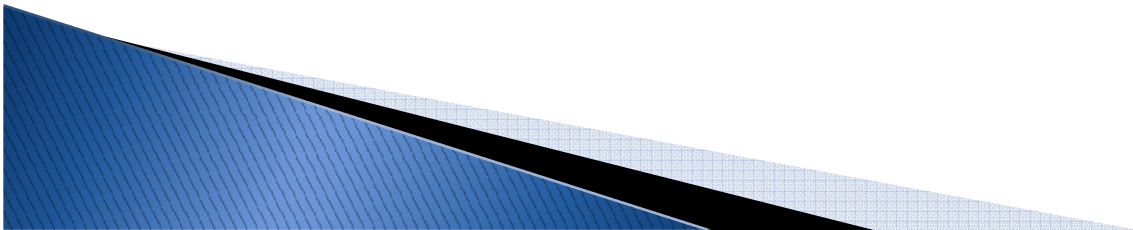# QuadCopter

Peyton Zeller-Av and the QuadroTeam

What is a QuadCopter?

- Multi-rotor drone
  - Four rotors
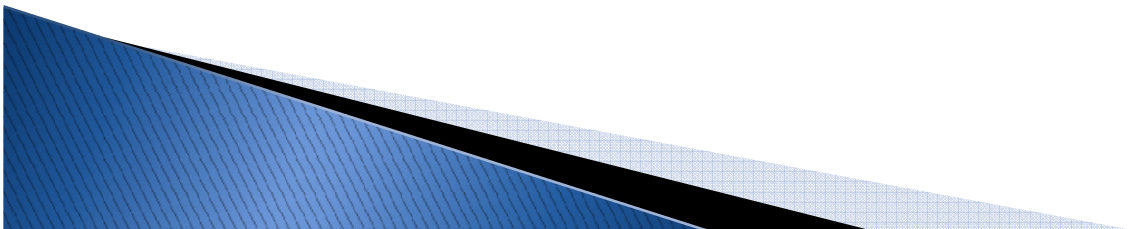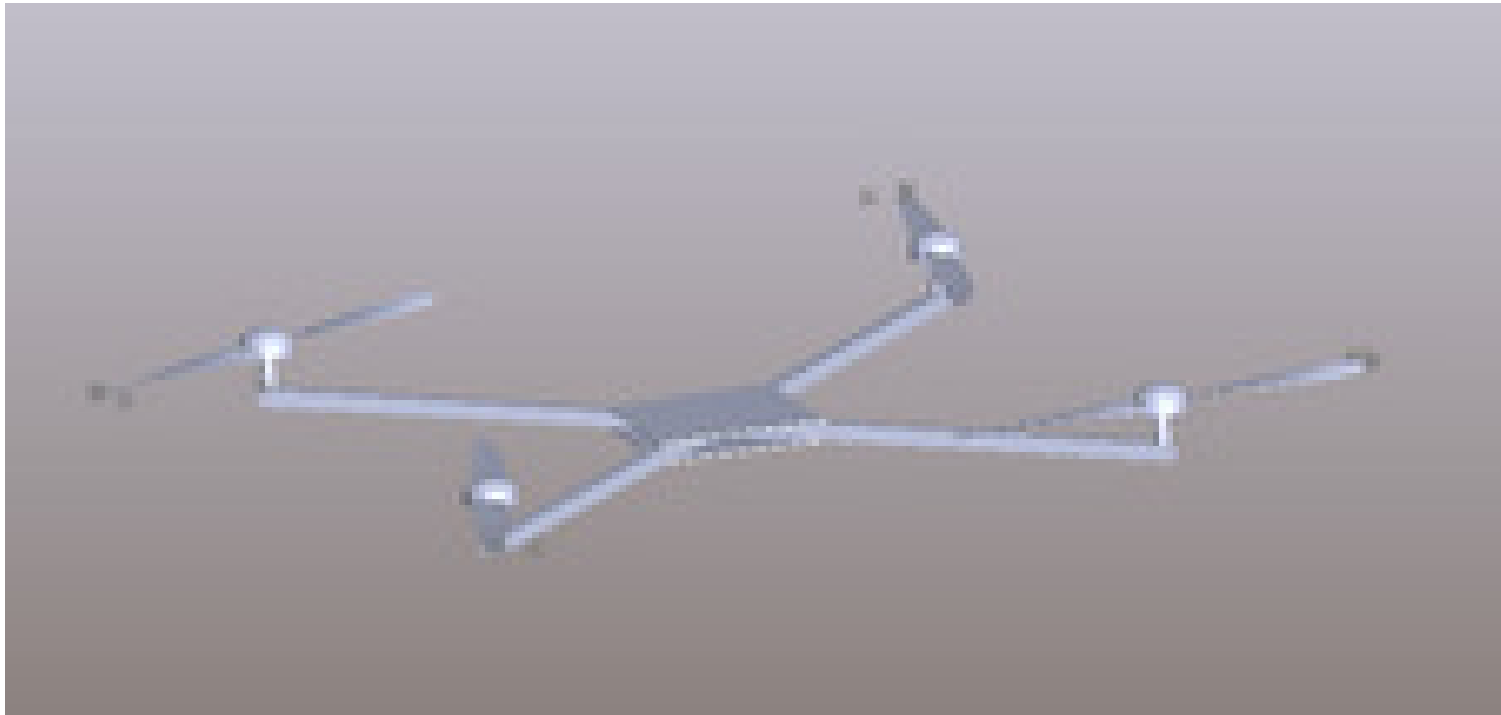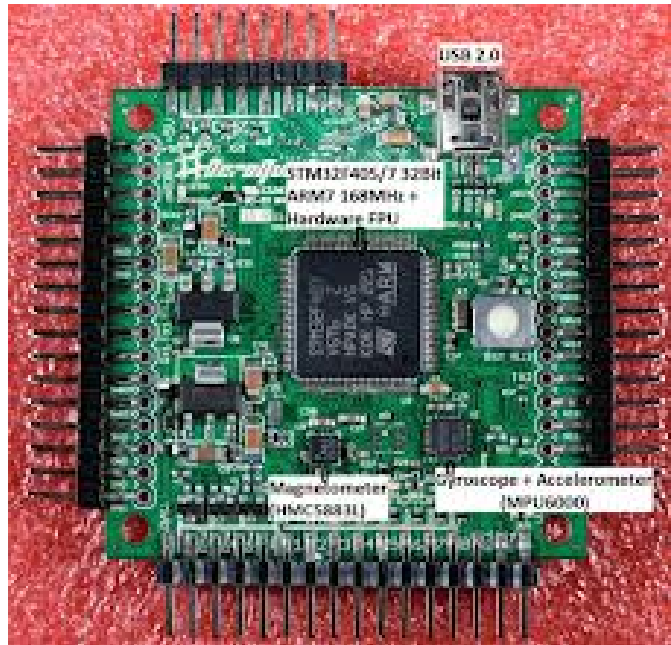
Components

- Frame
- Propellers
- Flight controller
- RC transmitter
- ESC
- Motors

Frame

Flight Control System
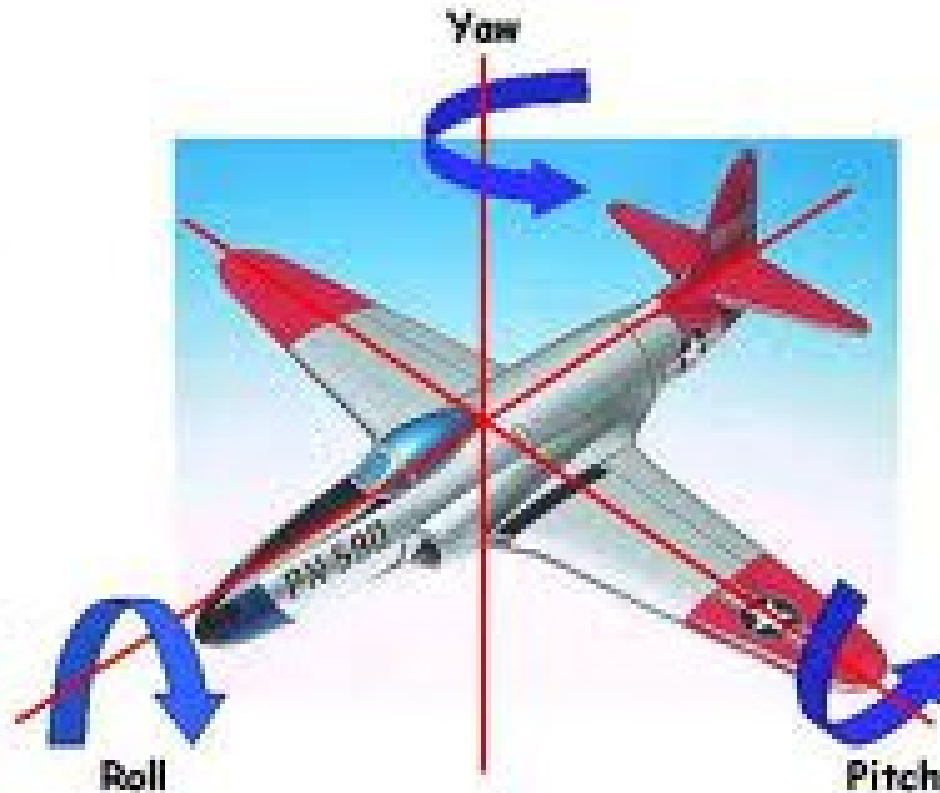
Flight Dynamics/ Ardupilot

Teacher: Robert DeChristopher

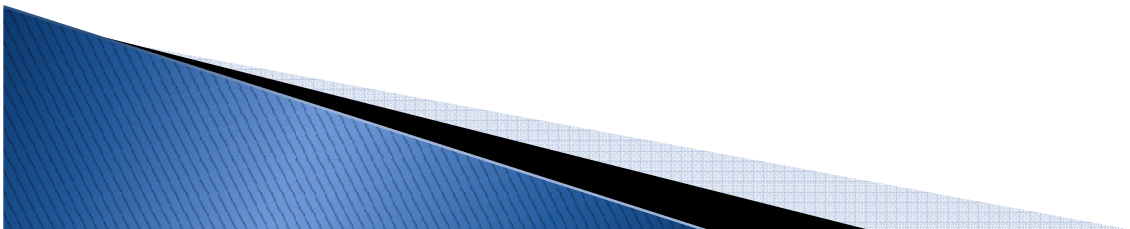The aircraft ROLLS around the longitudinal or fuselage axis.

The aircraft PITCHES around the lateral or wing axis.

The aircraft YAWS around the vertical axis.

Yaw

Roll

Pitch

Goal

- *Successfully build a user-programmable Quadcopter from scratch, and have it flying and working by the Spring of 2014*
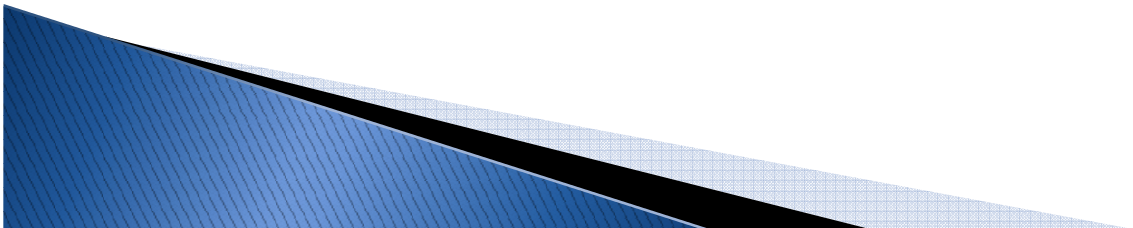
Advising?

▸ Professor John Kallend

quixeh.com

1900x978 411kb JPEG

Quick Ted Video

- http://www.youtube.com/watch?v=w2itwFJCgFQ