

Checklist

Commitment:

- Centroid of green ball displayed on screen
- Servo spinning on one axis
- Calibration of camera (including serial images to laptop)

Goal:

- Distance to ball displayed on screen
 - Stationary ball centroid detection and distance calculation
 - Moving ball centroid detection and distance calculation
- Detect balls of different colors (not at the same time)
- Showing vector from each camera to ball on the VGA display

Stretch:

- Two balls detected with centroid displayed on screen
- Distance between two balls displayed on screen
- Following a single ball with 2-axes of motion from servo