

Weekly reports are to be emailed to [atbecker@uh.edu](mailto:atbecker@uh.edu) by 5:00pm on Tuesdays. The purpose of a weekly report is to: (1) give you text and images for your papers, thesis, and dissertation, (2) document progress, (3) identify if you are stuck or need resources.

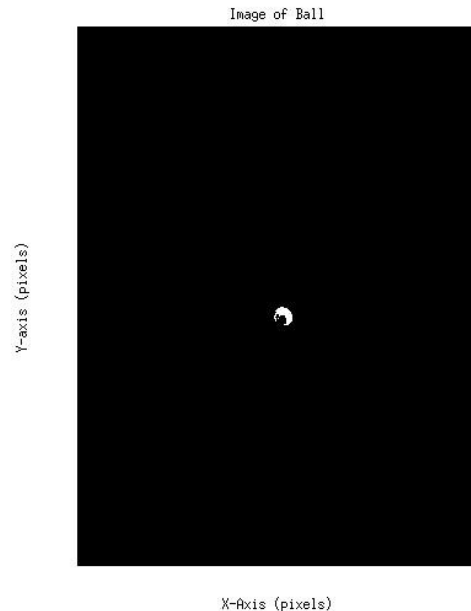
## Weekly report

### 1. My Goals from last week

- **Deliverable 1:** Complete Simulink Model - **Complete**
- **Deliverable 2:** Test interface with current control loop and Simulink. Verify Simulink can send valid current commands to control loop. - In Progress

### 2. My Accomplishments this week

- a. Project 1: Magnetic Coil Control for Mico robots
  - **Deliverable 1:** Hardware setup of PC and other related equipment – (awaiting CPU, Progress)
  - **Deliverable 3:** Test interface with current control loop and Simulink. Verify Simulink can send valid current commands to control loop. (Being again once bench computer running, In Progress).
  - **Deliverable 4:** Load test image in MATLAB and attempt to locate test sphere. See Figure 1 below of detection results.



### 3. My Goals for Next Week.

- Objective 1: Build a coil and test against sphere.
- Objective 2: Setup video capture program in MATLAB/Simulink.

### 3. What I need Dr. Becker to do:

- a. Continue to provide daily oversight of Ademir in coil and frame construction.
- b. Discuss hardware construction problems and possible solutions.