

91.451, Robotics II
Spring 2005, Prof. Yanco

Lab 4: Vision

Out: Thursday, 10 March 2005

Due: Thursday, 24 March 2005

Reminder: The midterm will be given in class on Tuesday, 22 March in Olsen 415.

Overview: In this lab, you'll use the vision functions to track and follow objects.

1. Read the attached handout on Phission, the vision system that Pyro uses.
2. Experiment with the sample code and function calls. Nothing to turn in for this.
3. Write code that will train on the color of a person's pants or skirt when the bumper is hit (if you're training on yourself, you might need someone to help you push the bumper). Once the robot has trained on the color, it should move towards the largest blob of that color, using the sonars to maintain a safe distance. For this part, turn in your code and show me the robot working.