

91.450, Robotics I
Fall 2002
Prof. Yanco

Project: Botball Tournament

Out: Thursday, 14 November 2002

Due: Thursday, 21 November 2002

Now that the tournament is over, complete the following write-up to finish the project.

1. Describe your strategy for accomplishing the competition task. One robot or two? What points were you trying to score? How were you planning to score them?
2. Describe the design(s) for your robot(s). You may want to include a sketch or photo of your robot(s). What sensors did you use? Where did you place them? What were you using each sensor for? What was your drive train for each robot? How many motors did you use? How many wheels? What gearing? Also describe any other relevant structures on your robot(s).
3. Describe your code design for the robot(s). What were the behaviors you designed into your robots? Did you choose to multitask or did you have a single process? Use pseudocode to describe your code design.
4. Turn in your code for your robot(s). If you had two robots, please make it clear which code goes with each robot. Be sure to comment your code, at least one comment per code block.
5. Did your robot(s) behave as you had planned during the seeding rounds? If not, do you know what made them behave differently?
6. Did you change your robot(s) or robot code between the seeding rounds and the tournament? If so, what did you change and why?
7. Did your robot(s) behave as you had planned during the tournament? If not, describe why not. How could you have changed your design to account for what happened during the tournament?
8. If you were to redesign your robots, what changes would you make?
9. If you were to redesign the tournament, what changes would you make?