

## Assignment 5

Due: Friday, January 14, 2005, 11:45 pm

### 1 Your Task: Beta Bot

1. For this assignment, you will be building a preliminary version of your contest robot. It does not have to have all the bells and whistles of the real thing, but should have the basic physical structure, and most of the basic electronics.
2. Specific requirements of the robot:
  - (a) Solid physical construction of robot including smooth, quiet gearboxes.
  - (b) Ability to start and orient autonomously (your robot must be able to sense the RF and respond accordingly.)
  - (c) For this assignment your robot will once again be team zero.
3. Review Chapter 2 of the course notes and make sure your robot does not violate any of the rules of the competition.

### 2 Checkoff

For checkoff, we will need to see the following:

1. Robot must consistently orient to the same direction for at least 2 different start positions.
2. Robot must start on its own given the RF procedure.