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Mobile Robotics

February 20, 2018

### Lab 1 Report

The robot struggled somewhat in the execution of driving around in a 1x1 meter square. Instead of moving forward a meter, the robot would only move around 30 inches. For the turn, in order for the robot to turn 1.57 radians, we had to write in code for it to turn 1.78 radians instead. In addition, even though we separated angular and linear commands, the robot would veer slightly while moving linearly. To compensate for this error, we decreased the amount of time the robot turned for on the last corner to attempt to keep it on the square. So, overall the robot was not extremely accurate in moving linearly and angularly.

Github Link: <https://github.com/RossKasal/EECS476>

Youtube Link: <https://youtu.be/WUROHcRgt6I>