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rnk14  
Ps8

In this writeup you will find a pdf of this writeup as well as a zip folder with all of my code pictures and videos.

## Open Loop Control:

For open loop control I was not able to get the robot to move to the final correct location. There was some drift, but the robot did a fairly decent job of reaching the end goal.

Open Loop Control: <https://youtu.be/AADuNH3nEJI>

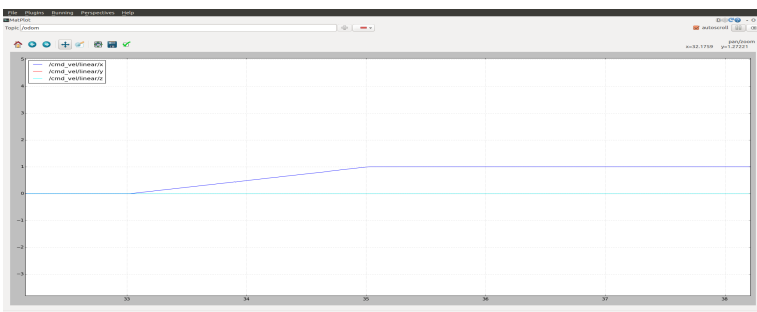
## Linear Control:

For linear control I was able to get the robot to move the final correct location very easily. With the base “magic” numbers the robot was able to quickly reach the end with very minimal drift. By changing these numbers I saw small that the robot trajectory did change, but overall had a minimal effect on the final position.

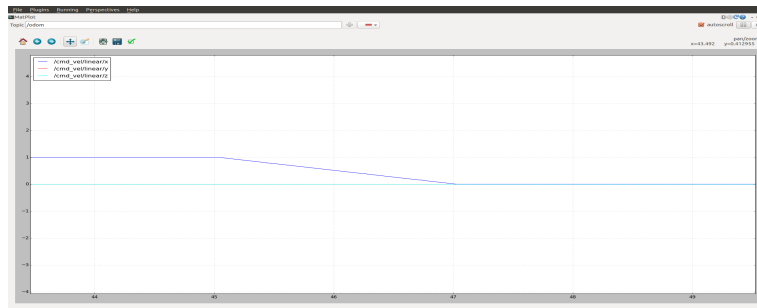
Linear Control: [https://youtu.be/4EM\\_q14dRsQ](https://youtu.be/4EM_q14dRsQ)

Additionally for both controls you can see that there is a trapezoidal movement for velocity.

## Ramp Up:



## Ramp Down:



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