# Optical Illusions

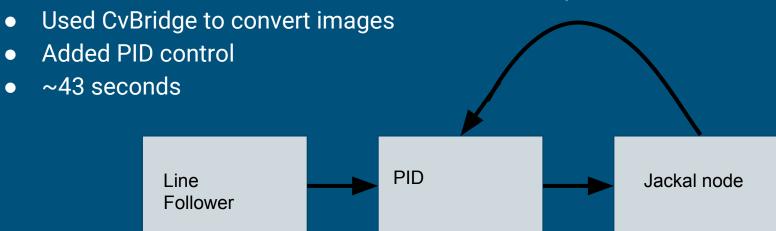
Lab4
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### Objectives

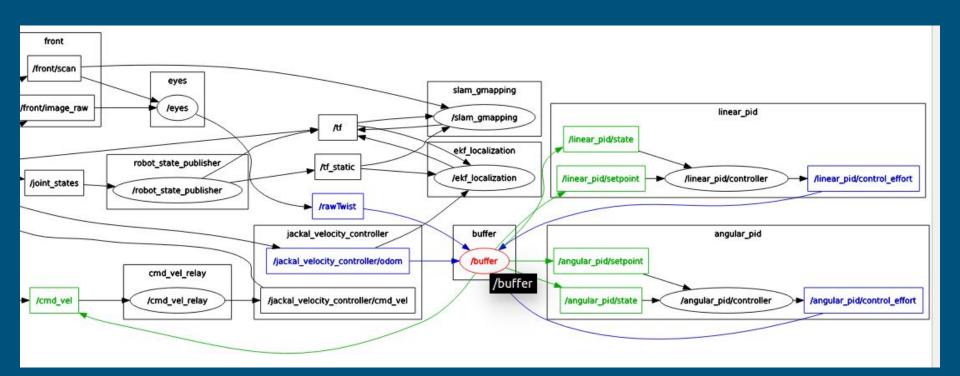
- 1. Map Jackal Race World
- Edit raceworld to include line
- Create launch file to launch with Flea3 and Laser
- 4. Rosbag for /laserScan and /tf record
- 5. Playback while mapping
- 6. Map comparison

#### Work done

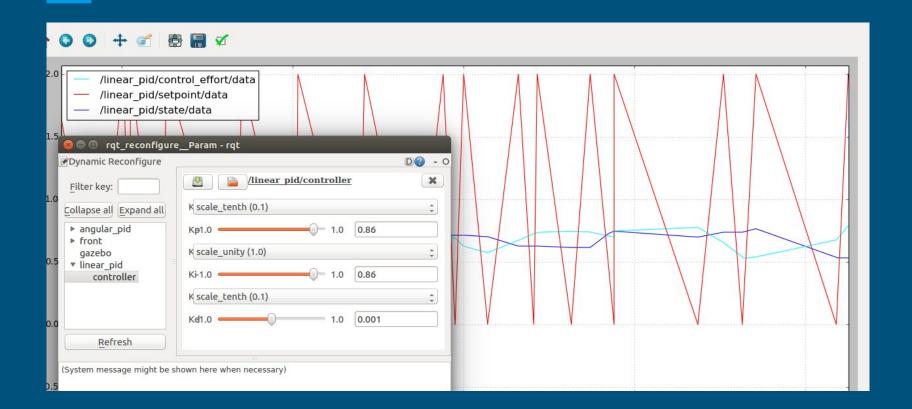
- Used old gmapping for race world mapping
- Used old launch file but modified for both launch parameters



## Graph



#### PID

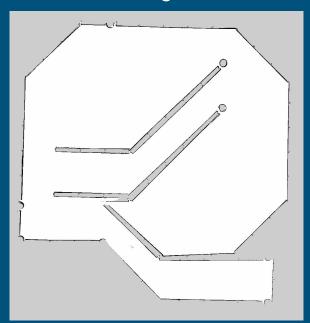


## Video

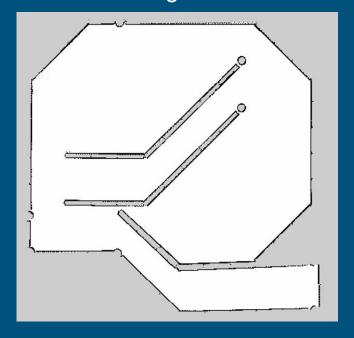


## Map Comparison

Wall Following



Line Following



#### References

http://wiki.ros.org/cv\_bridge/Tutorials/ConvertingBetweenROSImagesAndOpen CVImagesPython

http://wiki.ros.org/Manifest

## Questions?