Robot Navigation

A QUICK INTRODUCTION

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Robot Navigation: What?

- What is Navigation?
- What is Robot Navigation?
- Why is Robot Navigation important?

Robot Navigation: Robustness.

- What is Robustness?
- Where does the navigation work well?
- How does the system perform in edge cases?
- How do we measure and benchmark 'Robust Navigation?'

Robot Navigation: Challenges

- Environments
  - Dynamic
  - Time variant
  - Shared

- Costs
  - Sensor and computational costs keep some solutions out of the question for mass production

Robot Navigation: An example