

# Introduction to SLAM

## Part II

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# Review

- Localization
  - Tracking, Global Localization, Kidnapping Problem.
- Kalman Filter
  - Quadratic
  - Linear (unless EKF)
- SLAM
  - Loop closing
  - Scaling:
    - Partition space into overlapping regions, use rerouting algorithm.
- Not Talked About
  - Features
  - Exploration

# Outline

- Topological Maps
- HMM
- SIFT
- Vision Based Localization