

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