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Sampling-based Planning Methods

CJ Taylor

Welcome to Week 3! In this module, we introduce the concept of sample-based path planning techniques. These involve

More

Probabilistic Road Maps

3.1: Introduction to Probabilistic Road Maps 6 min

(/learn/robotics-motion-planning/lecture/4A9M2/3-1-introduction-to-probabilistic-road-maps)

3.2: Issues with Probabilistic Road Maps 4 min

(/learn/robotics-motion-planning/lecture/kfGef/3-

Help Center

2-issues-with-probabilistic-road-maps)

Rapidly Exploring Random Trees

3.3: Introduction to Rapidly Exploring Random Trees 7 min

(/learn/robotics-motion-planning/lecture/snRhD/3-3-introduction-to-rapidly-exploring-random-trees)

Quiz: Sampling-based Methods 3 questions

(/learn/robotics-motion-planning/exam/rKY0n/sampling-based-methods)

Assignment: Random Sampling-based Approaches 3h 00m

(/learn/robotics-motion-planning/programming/aytRO/random-sampling-based-approaches)