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Congratulations!

Start Week 4

You have completed Week 3.

(/learn/roboticsmotionplanning/home/week/4)

# Sampling-based Planning Methods



CJ Taylor

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

✓ More

### Probabilistic Road Maps



3.1: Introduction to

Probabilistic Road

Maps 6 min

(/learn/robotics-motionplanning/lecture/4A9M2/3-1-introduction-toprobabilistic-road-maps)

3.2: Issues with



**Probabilistic Road** 

Help Center

Maps 4 min

(/learn/robotics-motionplanning/lecture/kfGef/3-2-issues-withprobabilistic-road-maps)

## Rapidly Exploring Random Trees

3.3: Introduction to Rapidly

Exploring Random

Trees 7 min

(/learn/robotics-motionplanning/lecture/snRhD/3-3-introduction-torapidly-exploring-random-trees)



**Quiz:** Sampling-based Methods 3 questions

(/learn/robotics-motionplanning/exam/rKY0n/sampling-basedmethods)

Assignment: Random

✓ Sampling-based

Approaches 3h00m

(/learn/robotics-motionplanning/programming/aytRO/randomsampling-based-approaches)