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Congratulations!

You have completed Week 1.

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(</learn/robotics-motion-planning/home/week/2>)

Introduction and Graph-based Plan Methods



CJ Taylor

Welcome to Week 1! In this module, we will introduce the problem of planning routes through grids where the robot

▼ More

Introduction



1.1: Introduction to Computational Motion Planning 5 min

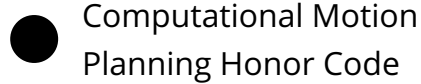
(</learn/robotics-motion-planning/lecture/hE9C7/1-1-introduction-to-computational-motion-planning>)



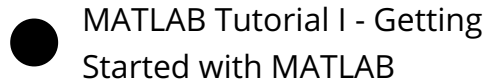
Meet the TAs 24 sec

[Help Center](#)

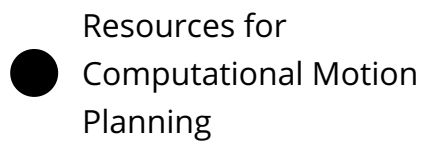
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(/learn/robotics-motion-planning/supplement/WC0M4/computational-motion-planning-honor-code)

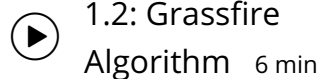


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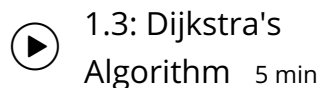


(/learn/robotics-motion-planning/supplement/uYYXI/resources-for-computational-motion-planning)

Graph-based Path Planning



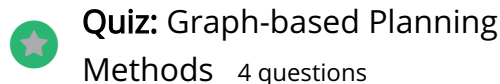
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(/learn/robotics-motion-planning/lecture/0ZfAg/1-3-dijkstras-algorithm)



(/learn/robotics-motion-planning/lecture/Vv9fL/1-4-a-algorithm)



(/learn/robotics-motion-planning/exam/zZvks/graph-based-planning-methods)



MATLAB Tutorial II - Programming

(/learn/robotics-motion-planning/supplement/0CF0I/matlab-tutorial-ii-programming)



Assignment: Graph-based Planning 3h 00m

(/learn/robotics-motion-planning/programming/UNHm0/graph-based-planning)



Getting Started with the Programming Assignments 5 min

(/learn/robotics-motion-planning/lecture/L3Yf2/getting-started-with-the-programming-assignments)