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Artificial Potential Field Methods



CJ Taylor

Welcome to Week 4, the last week of the course! Another approach to motion planning involves constructing artificial

▼ More

Planning with Artificial Potential Fields



4.1: Constructing Artificial Potential Fields 8 min

(</learn/robotics-motion-planning/lecture/J9sC0/4-1-constructing-artificial-potential-fields>)



4.2: Issues with Local Minima 2 min

(</learn/robotics-motion-planning/lecture/zUfMI/4-2-issues-with-local-minima>)

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4.3: Generalizing Potential

Fields 2 min

(/learn/robotics-motion-planning/lecture/N3UUN/4-3-generalizing-potential-fields)



Quiz: Artificial Potential

Fields 3 questions

(/learn/robotics-motion-planning/exam/ezgCL/artificial-potential-fields)



Assignment: Gradient-based

Planner 3h 00m

(/learn/robotics-motion-planning/programming/A9uVI/gradient-based-planner)

Conclusion



4.4: Course Summary 7 min

(/learn/robotics-motion-planning/lecture/Frfka/4-4-course-summary)