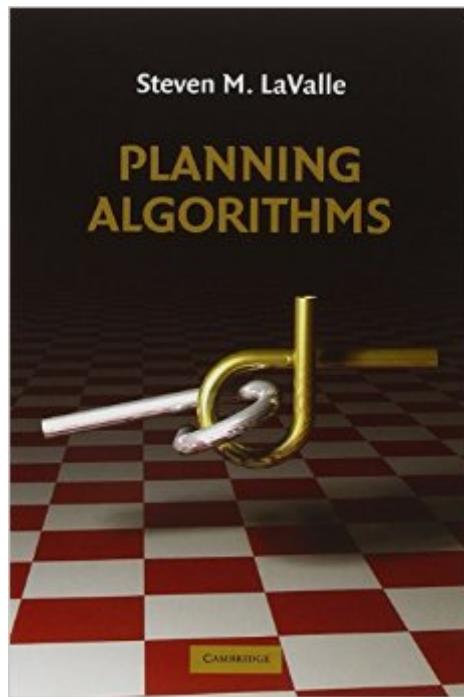# Planning Algorithms

Steven M. LaValle

PLANNING ALGORITHMS

CAMBRIDGE

Synopsis

Planning algorithms are impacting technical disciplines and industries around the world, including robotics, computer-aided design, manufacturing, computer graphics, aerospace applications, drug design, and protein folding. Written for computer scientists and engineers with interests in artificial intelligence, robotics, or control theory, this is the only book on this topic that tightly integrates a vast body of literature from several fields into a coherent source for teaching and reference in a wide variety of applications. Difficult mathematical material is explained through hundreds of examples and illustrations.

Book Information

Hardcover: 844 pages

Publisher: Cambridge University Press; 1 edition (May 29, 2006)

Language: English

ISBN-10: 0521862051

ISBN-13: 978-0521862059

Product Dimensions: 7 x 1.7 x 10 inches

Shipping Weight: 3.4 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 starsÂ Â See all reviewsÂ (3 customer reviews)

Best Sellers Rank: #731,693 in Books (See Top 100 in Books)   #128 inÂ Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Structured Design   #178 inÂ Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Industrial Technology   #183 inÂ Books > Textbooks > Computer Science > Algorithms

Customer Reviews

Is the most complete and exhaustive survey about path planning and robot navigation. There is an interesting section about topological spaces and their application to path planning. You should know that it can be downloaded for free from the author's website, but i think that this is one of the few books in the field of robotics you must have (the other one is the idustrial robotics book written by Lorenzo Sciavicco)

If you dont have much money download the book here[...]

good condition

Download to continue reading...

Event Planner: The Art of Planning Your Next Successful Event: Event Ideas - Themes - Planning - Organizing - Managing (Event Planning, Event Planning ... and Organizer - How To Guide Books Book 1) Agile Product Management: (Box Set) Agile Estimating & Planning Your Sprint with Scrum and Release Planning 21 Steps (agile project management, agile software ... agile scrum, agile estimating and planning) Event Planning: Event Planning and Management - How to Start Successful Event Planning Business! The Design of Innovation: Lessons from and for Competent Genetic Algorithms (Genetic Algorithms and Evolutionary Computation) Algorithms in C++ Part 5: Graph Algorithms (3rd Edition) (Pt.5) Planning Algorithms The Citizen's Guide to Planning 4th Edition (Citizens Planning) Network Resource Planning For SAP R/3, BAAN IV, and PeopleSoft: A Guide to Planning Enterprise Applications Affordable and Practical Wedding Guide for Planning The Best Wedding Celebration: Weddings: Creative Wedding Ideas - Wedding Decorations - Wedding Dress - Wedding Planning - Wedding Accessories Marketing Confidential: 101 Secrets to Increase Profits in the Construction Industry: Essential Tactics About Marketing, Business Development, Business Planning and Strategic Planning Master Planning Success Stories: How Business Owners Used Master Planning to Achieve Business, Financial, and Life Goals (The Master Plan Book 2) 2015 Field Guide to Estate Planning, Business Planning & Employee Benefits (Tax Facts) SAP BUSINESS PLANNING AND CONSOLIDATION 10.1 FOR CLASSIC VERSION: Concepts and Step by Step Configuration for Planning and Consolidation Agile Estimating & Planning Your Sprint with Scrum (agile project management, agile software development, agile development, agile scrum, agile estimating and planning) Event Planning: Management & Marketing For Successful Events: Become an event planning pro & create a successful event series Event Planning: Plan Events Like a Professional, Impress Your Clients and be Your Own Boss in 12 Simple Steps (event planning, experience, organise, manage, ... be your own boss, work from home Book 4) Tools & Techniques of Employee Benefit and Retirement Planning, 11th ed. (Tools and Techniques of Employee Benefit and Retirement Planning) Algorithms to Live By: The Computer Science of Human Decisions Data Structures, Algorithms, And Applications In C++ Nine Algorithms That Changed the Future: The Ingenious Ideas That Drive Today's Computers