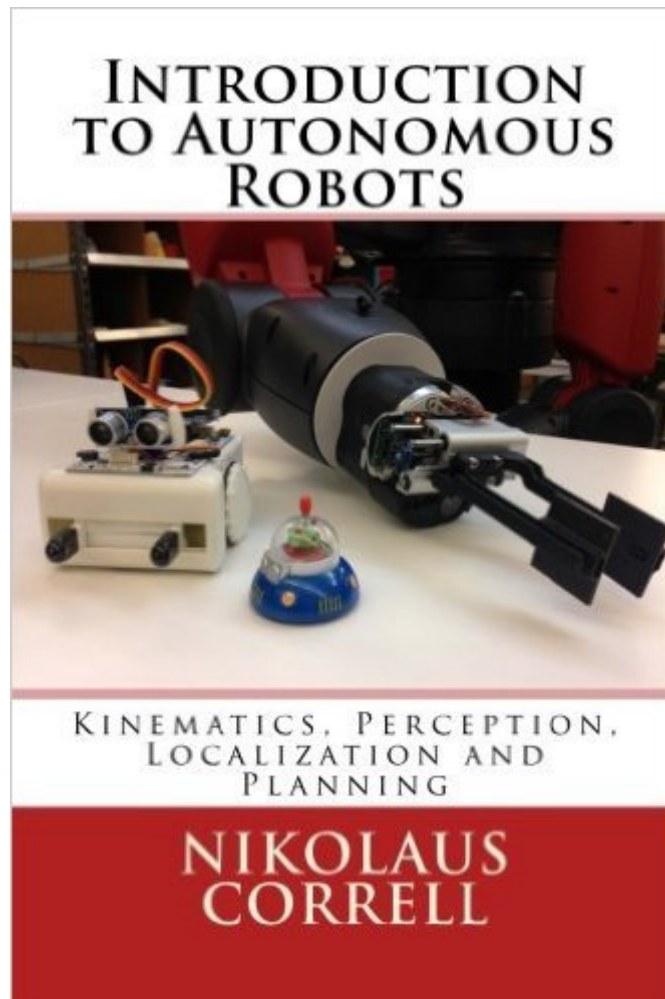


The book was found

Introduction To Autonomous Robots: Kinematics, Perception, Localization And Planning



Synopsis

This book introduces concepts in mobile, autonomous robotics to 3rd-4th year students in Computer Science or a related discipline. The book covers principles of robot motion, forward and inverse kinematics of robotic arms and simple wheeled platforms, perception, error propagation, localization and simultaneous localization and mapping. The cover picture shows a wind-up toy that is smart enough to not fall off a table just using intelligent mechanism design and illustrate the importance of the mechanism in designing intelligent, autonomous systems. This book is open source, open to contributions, and released under a creative common license.

Book Information

Paperback: 226 pages

Publisher: Magellan Scientific; 2 edition (April 25, 2016)

Language: English

ISBN-10: 0692700870

ISBN-13: 978-0692700877

Product Dimensions: 6.1 x 0.5 x 9.2 inches

Shipping Weight: 14.7 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #413,823 in Books (See Top 100 in Books) #3 inÂ Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Localization #299 inÂ Books > Computers & Technology > Computer Science > AI & Machine Learning > Intelligence & Semantics

[Download to continue reading...](#)

Introduction to Autonomous Robots: Kinematics, Perception, Localization and Planning Robots and Robotics High Risk Robots Macmillan Library (Robots and Robotics - Macmillan Library)
Simultaneous Localization and Mapping for Mobile Robots: Introduction and Methods 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) Enhancing Indoor Localization with Proximity Information in WSN: A novel way of enhancing indoor localization in wireless sensor networks Localization in Wireless Sensor Network: An enhanced composite approach with mobile beacon shortest path to solve localization problem in wireless sensor network RF-based Indoor Localization in Sensor Networks: Localization Using Signal Fingerprinting Protocol for Wireless Localization Systems: Communications Protocol for

RF-based Wireless Indoor Localization Networks Embedded Robotics: A Hardware Architecture for Simultaneous Localization and Mapping of Mobile Robots Environment Learning for Indoor Mobile Robots: A Stochastic State Estimation Approach to Simultaneous Localization and Map Building (Springer Tracts in Advanced Robotics) Paper Robots: 25 Fantastic Robots You Can Build Yourself Robots, Robots Everywhere! (Little Golden Book) Robots, Robots Everywhere (Little Golden Board Book) House of Robots: Robots Go Wild! Aircraft Control and Simulation: Dynamics, Controls Design, and Autonomous Systems Where the Jews Aren't: The Sad and Absurd Story of Birobidzhan, Russia's Jewish Autonomous Region (Jewish Encounters Series) The Subversion of Politics: European Autonomous Social Movements and the Decolonization of Everyday Life 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! Software Internationalization and Localization: An Introduction

[Dmca](#)