[PDF] Probabilistic Robotics (Intelligent Robotics And Autonomous Agents Series)

Sebastian Thrun, Wolfram Burgard, Dieter Fox - pdf download free book

---

computer science/robotics

Probabilistic Robotics
Sebastian Thrun, Wolfram Burgard, and Dieter Fox

Probabilistic robotics is a new and growing area in robotics, concerned with perception and control in the face of uncertainty. Building on the field of mathematical statistics, probabilistic robotics endows robots with a new level of robustness in real-world situations.

Probabilistic Robotics introduces the reader to a wealth of techniques and algorithms in the field. All algorithms are based on a single overarching mathematical foundation. Each chapter provides example implementations in pseudo code, detailed mathematical derivations, discussions from a practitioner's perspective, and extensive lists of exercises and class projects. The book's Web site, http://www.probabilistic-robotics.org, has additional material.

The book is relevant for anyone involved in robotic software development and scientific research. It will also be of interest to applied statisticians and engineers dealing with real-world sensor data.

Sebastian Thrun is Associate Professor in the Computer Science Department at Stanford University and Director of the Stanford AI Lab. Wolfram Burgard is Associate Professor and Head of the Autonomous Intelligent Systems Research Lab in the Department of Computer Science at the University of Freiburg. Dieter Fox is Associate Professor and Director of the Robotics and State Estimation Lab in the Department of Computer Science and Engineering at the University of Washington.

Intelligent Robotics and Autonomous Agents series

The MIT Press
Massachusetts Institute of Technology
Cambridge, Massachusetts 02142
http://mitpress.mit.edu

0-262-20162-3
978-0-262-20162-9

Books Details:
Title: Probabilistic Robotics (Intel
Author: Sebastian Thrun, Wolfram Bur
Released:
Language:
Pages: 672
ISBN: 0262201623
ISBN13: 9780262201629
ASIN: 0262201623

CLICK HERE FOR DOWNLOAD

---

pdf, mobi, epub, azw, kindle

Description:

Probabilistic robotics is a new and growing area in robotics, concerned with perception and control in the face of uncertainty. Building on the field of mathematical statistics, probabilistic robotics endows robots with a new level of robustness in real-world situations. This book introduces the

reader to a wealth of techniques and algorithms in the field. All algorithms are based on a single overarching mathematical foundation. Each chapter provides example implementations in pseudo code, detailed mathematical derivations, discussions from a practitioner's perspective, and extensive lists of exercises and class projects. The book's Web site, www.probabilistic-robotics.org, has additional material. The book is relevant for anyone involved in robotic software development and scientific research. It will also be of interest to applied statisticians and engineers dealing with real-world sensor data.

- Title: Probabilistic Robotics (Intelligent Robotics and Autonomous Agents series)
- Author: Sebastian Thrun, Wolfram Burgard, Dieter Fox
- Released:
- Language:
- Pages: 672
- ISBN: 0262201623
- ISBN13: 9780262201629
- ASIN: 0262201623