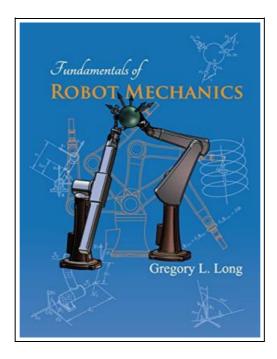
Fundamentals of Robot Mechanics (Hardback)



Filesize: 9.17 MB

Reviews

Undoubtedly, this is the best function by any writer. It usually will not charge too much. I am just very easily can get a pleasure of looking at a written ebook.

(Alivia Quigley MD)

FUNDAMENTALS OF ROBOT MECHANICS (HARDBACK)



To get Fundamentals of Robot Mechanics (Hardback) PDF, remember to refer to the link below and save the file or gain access to other information which might be in conjuction with FUNDAMENTALS OF ROBOT MECHANICS (HARDBACK) ebook.

Quintus-Hyperion Press, 2015. Hardback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. The Fundamentals of Robot Mechanics contains a thorough treatment of essential concepts in robot mechanics. Beginning with elementary topics taught in college physics and first-semester calculus, this thoughtful textbook conveys an in-depth presentation of rotation transformations, homogeneous transformations, Denavit-Hartenberg parameters, forward kinematics, inverse kinematics, instantaneous kinematics/statics using screws, singularity analysis, and dynamics of serial-chain robot manipulators. This exposition of robot fundamentals provides the following: 1) Step-by-Step instructions for finding the classic DH Parameters. 2) A computationally efficient formulation of serial-chain forward and inverse kinematics. 3) An elegant and computationally efficient formulation Jacobian using screw theory. 4) A concise treatment of statics using virtual work and screw theory. 5) A broad treatment of singular configurations using screw theory. 6) Workspace analysis techniques for 2-revolute and 3-revolute pair serial-chain structures. 7) A complete and computationally efficient formulation of manipulator dynamics using Lagrange's equations and dynamic constants. 8) Design guidelines that simplify the equations-of-motion for serial-chain manipulators. The Fundamentals of Robot Mechanics contains over 470 color illustrations, over 100 detailed single and extended examples, and over 260 exercises to promote mastery of both theory and practice. This text also includes references for over 200 research articles, textbooks, and other resources. A professional-trade book for all robotics students and practicing engineers who wish to master the concepts in robot mechanics.



Read Fundamentals of Robot Mechanics (Hardback) Online Download PDF Fundamentals of Robot Mechanics (Hardback)

Relevant PDFs



[PDF] Li Xiuying preschool fun games book: Lingling tiger awesome (connection) (3-6 years old)(Chinese Edition)

Follow the link beneath to download and read "Li Xiuying preschool fun games book: Lingling tiger awesome (connection) (3-6 years old) (Chinese Edition) "file.

Download Book »



[PDF] TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)

Follow the link beneath to download and read "TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)" file.

Download Book »



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)

Follow the link beneath to download and read "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3) (Chinese Edition)" file.

Download Book »



[PDF] Funny Poem Book For Kids - Cat Dog Humor Books Unicorn Humor Just Really Big Jerks Series - 3 in 1 Compilation Of Volume 1 2 3

Follow the link beneath to download and read "Funny Poem Book For Kids - Cat Dog Humor Books Unicorn Humor Just Really Big Jerks Series - 3 in 1 Compilation Of Volume 1 2 3" file.

Download Book »



[PDF] Johnny Goes to First Grade: Bedtime Stories Book for Children's Age 3-10. (Good Night Bedtime Children's Story Book Collection)

Follow the link beneath to download and read "Johnny Goes to First Grade: Bedtime Stories Book for Children's Age 3-10. (Good Night Bedtime Children's Story Book Collection)" file.

Download Book »



[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(Chinese Edition)

Follow the link beneath to download and read "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3) (Chinese Edition)" file.

Download Book »