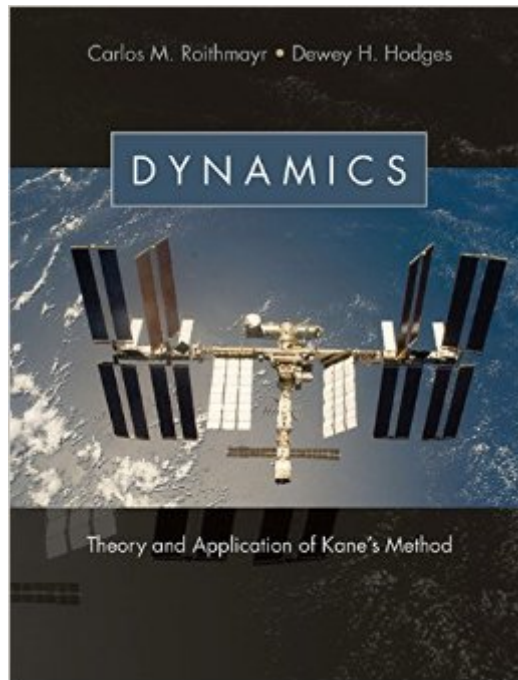


The book was found

Dynamics: Theory And Application Of Kane's Method



Synopsis

This book is ideal for teaching students in engineering or physics the skills necessary to analyze motions of complex mechanical systems such as spacecraft, robotic manipulators, and articulated scientific instruments. Kane's method, which emerged recently, reduces the labor needed to derive equations of motion and leads to equations that are simpler and more readily solved by computer, in comparison to earlier, classical approaches. Moreover, the method is highly systematic and thus easy to teach. This book is a revision of Dynamics: Theory and Applications by T. R. Kane and D. A. Levinson and presents the method for forming equations of motion by constructing generalized active forces and generalized inertia forces. Important additional topics include approaches for dealing with finite rotation, an updated treatment of constraint forces and constraint torques, an extension of Kane's method to deal with a broader class of nonholonomic constraint equations, and other recent advances.

Book Information

Hardcover: 536 pages

Publisher: Cambridge University Press; 1 edition (March 9, 2016)

Language: English

ISBN-10: 1107005698

ISBN-13: 978-1107005693

Product Dimensions: 7 x 1.1 x 10 inches

Shipping Weight: 3.1 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars [See all reviews](#) (1 customer review)

Best Sellers Rank: #1,153,202 in Books (See Top 100 in Books) #54 in [Books > Engineering & Transportation > Engineering > Civil & Environmental > Structural Dynamics](#) #272 in [Books > Engineering & Transportation > Engineering > Chemical > Fluid Dynamics](#) #888 in [Books > Science & Math > Physics > Dynamics](#)

Customer Reviews

this is a VIP book

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

Dynamics: Theory and Application of Kane's Method The Path of Kane (Solomon Kane, Savage Worlds, S2P10403) Modal Testing, Theory, Practice, and Application (Mechanical Engineering Research Studies: Engineering Dynamics Series) Mechanical Vibrations: Theory and Application to

Structural Dynamics The Solomon Kane, And Other Stories:17 Stories by Robert E. Howard Killer Kane: A Marine Long-Range Recon Team Leader in Vietnam, 1967-1968 A Tangled Web - Mark Kane Mysteries - Book Seven: A Mystery Suspense Thriller BABY SNATCHERS (A Detective India Kane & AJ Colt Crime Thriller) The Savage World of Solomon Kane (Savage Worlds; S2P10400) The Rules of Sociological Method: And Selected Texts on Sociology and its Method Powder Diffraction: The Rietveld Method and the Two Stage Method to Determine and Refine Crystal Structures from Powder Diffraction Data Hal Leonard Brazilian Guitar Method: Learn to Play Brazilian Guitar with Step-by-Step Lessons and 17 Great Songs (Book/CD) (Hal Leonard Guitar Method) Complete Blues Keyboard Method: Beginning Blues Keyboard, Book & CD (Complete Method) The Wilborn Method, Social Security Disability: A Step-by-Step Guide to Getting Your Benefits: Initial Application Level Patent Drafting Secrets- How to write a patent application for an invention and how to draft a patent application for an invention Adobe ColdFusion 9 Web Application Construction Kit, Volume 3: Advanced Application Development How to Write a Software Patent Application: Your Guide to Quickly Writing Your US Software Patent Application Dynamics of Structures: Theory and Applications to Earthquake Engineering (2nd Edition) Dynamics of Structures: Theory and Applications to Earthquake Engineering Structural Dynamics: Theory and Applications

[Dmca](#)