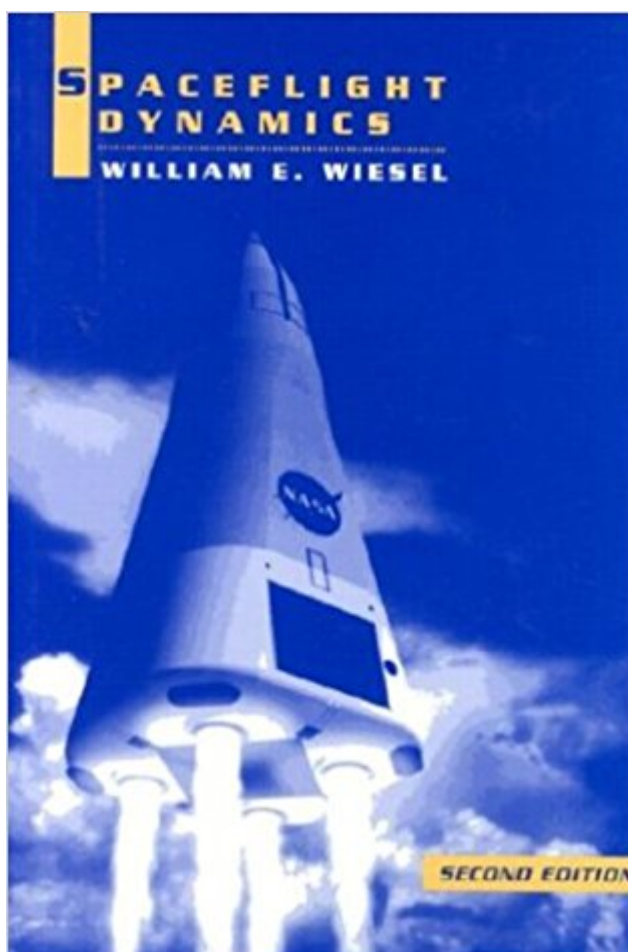


The book was found

Spaceflight Dynamics (McGraw-Hill Series In Aeronautical And Aerospace Engineering)



Synopsis

Designed for undergraduate courses in Spacecraft Dynamics and Orbital Mechanics, this new edition offers a three-dimensional treatment of dynamics discussions of rigid body dynamics, rocket trajectories, and the space environment. An expert in his field, author William E. Wiesel presents a wealth of information in an easy-to-understand manner without the daunting mathematical rigor of graduate texts. Reference is made to actual flight vehicles and satellites to give students background on the type of work currently being done in this field.

Book Information

Hardcover: 332 pages

Publisher: McGraw-Hill; 2nd edition (1997)

Language: English

ISBN-10: 0070701105

ISBN-13: 978-0070701106

Product Dimensions: 6.6 x 0.9 x 9.5 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars 3 customer reviews

Best Sellers Rank: #500,958 in Books (See Top 100 in Books) #269 in [Books > Engineering & Transportation > Engineering > Aerospace > Astronautics & Space Flight](#) #282 in [Books > Textbooks > Engineering > Aeronautical Engineering](#) #684 in [Books > Science & Math > Astronomy & Space Science > Aeronautics & Astronautics](#)

Customer Reviews

I am an aerospace engineering student at the undergraduate level and used this text in an astrodynamics course. I felt that the author did a good job developing the fundamentals needed but lacked some important derivations that would have been usefull at times. I also enjoyed some of the non-technical aspects of this book as well, such as the sections devoted to our solar system and its characteristics. I used this book along with Fundamentals of Astrodynamics by Roger Bate, Donald Mueller, and Jerry White - which has been used at my university for more than twenty-five years. I would suggest purchasing both books at once as doing so will give both a modern viewpoint of the subject as well as the derivations needed to understand the basics.

This book is really designed for a beginner level class in astrodynamics. I used it for my beginner class, and I found the book to be extremely helpful. Now, taking graduate level courses in

astrodynamics, I still use Wiesel's book! When I need to look up basic formulas, I use this book often. If you're looking for a more advanced book in astrodynamics, look into Vallado's *Fundamentals of Astrodynamics and Applications*. However, for the beginner level, Wiesel does an excellent job of explaining the material and presenting the mathematics behind the equations.

This book is easy to read and contains several good exercises. Ideal for undergrads looking to learn about orbital mechanics, attitude control, and trajectories. Also excellent as a quick reference for more advanced students. The only complaint I have about the book is that some of the diagrams are not very well drawn, which can be somewhat annoying, especially if it's for a homework problem!

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

Spaceflight Dynamics (McGraw-Hill Series in Aeronautical and Aerospace Engineering) Introduction to Flight (McGraw-Hill Series in Aeronautical and Aerospace Engineering) Fundamentals of Aerodynamics (McGraw-Hill Series in Aeronautical and Aerospace Engineering) Modern Compressible Flow: With Historical Perspective (McGraw-Hill Series in Aeronautical and Aerospace Engineering) Product Management [McGraw-Hill/Irwin Series in Marketing] by Lehmann, Donald, Winer, Russell [McGraw-Hill/Irwin, 2004] [Hardcover] 4TH EDITION McGraw-Hill's Dictionary of American Slang and Colloquial Expressions: The Most Up-to-Date Reference for the Nonstandard Usage, Popular Jargon, and Vulgarisms of Contemporaries (McGraw-Hill ESL References) McGraw-Hill Education 500 Financial Accounting and Reporting Questions for the CPA Exam (McGraw-Hill's 500 Questions) McGraw-Hill Education 500 Auditing and Attestation Questions for the CPA Exam (McGraw-Hill's 500 Questions) McGraw-Hill Education 500 Business Environment and Concepts Questions for the CPA Exam (McGraw-Hill's 500 Questions) McGraw-Hill's 500 ACT English and Reading Questions to Know by Test Day (McGraw-Hill's 500 Questions to Know By Test Day) McGraw-Hill Education: Top 50 ACT English, Reading, and Science Skills for a Top Score, Second Edition (McGraw-Hill Education Top 50 Skills for a Top Score) The McGraw-Hill 36-Hour Course: Finance for Non-Financial Managers 3/E (McGraw-Hill 36-Hour Courses) McGraw-Hill Education 500 Regulation Questions for the CPA Exam (McGraw-Hill's 500 Questions) McGraw-Hill's National Electrical Code 2017 Handbook, 29th Edition (McGraw-Hill's National Electrical Code Handbook) McGraw-Hill Education: 10 ACT Practice Tests, Fifth Edition (McGraw-Hill's 10 Act Practice Tests) McGraw-Hill Education: Top 50 ACT Math Skills for a Top Score, Second Edition (McGraw-Hill Education Top 50 Skills for a Top Score) McGraw-Hill Education 10 ACT Practice Tests, Fourth Edition (McGraw-Hill's 10 Act Practice Tests) McGraw-Hill Education 5 TEAS Practice Tests, Third

Edition (Mcgraw Hill's 5 Teas Practice Tests) McGraw-Hill Education Strategies for the GED Test in Mathematical Reasoning with CD-ROM (Mcgraw Hill's Ged Mathematics) McGraw-Hill's Catholic High School Entrance Exams, 3rd Edition (McGraw-Hill's Catholic High School Entrance Examinations)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)