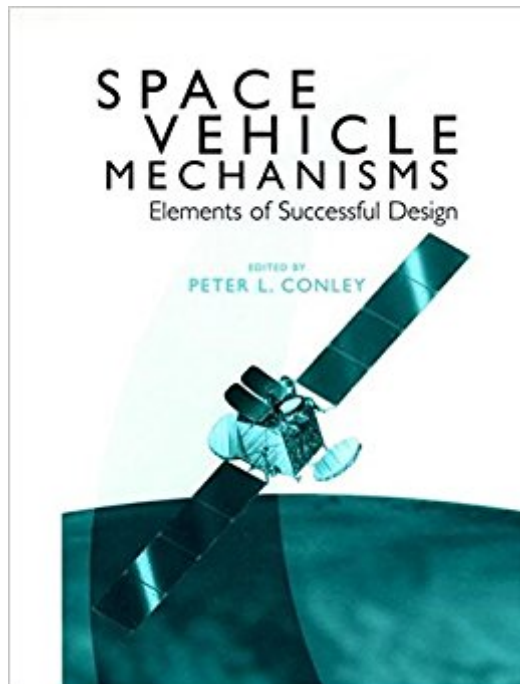




**Ebook Directory**  
the best source of ebook

**The book was found**

# **Space Vehicle Mechanisms: Elements Of Successful Design**



## Synopsis

The first comprehensive reference on the design, analysis, and application of space vehicle mechanisms *Space Vehicle Mechanisms: Elements of Successful Design* brings together accumulated industry experience in the design, analysis, and application of the mechanical systems used during space flight. More than thirty experts from a variety of related specialties and subspecialties share their insights, technical expertise, and in-depth knowledge on an enormous variety of topics, including: \* Stainless steel, beryllium, and other widely used materials \* Bearings \* Lubricants and component lubrication \* Release devices \* Motors \* Optical encoders \* Resolvers \* Signal and power transfer devices \* Deployment devices \* Thermal design \* Radiation and survivability \* Electrical interfaces \* Reliability *Space Vehicle Mechanisms* is an indispensable resource for engineers involved in the design and analysis of mechanical assemblies used in space flight, and a valuable reference for space systems engineers, mission planners, and control systems engineers. It is also an excellent text for upper-level undergraduate and graduate-level courses in astronautical and mechanical engineering. *Space Vehicle Mechanisms: Elements of Successful Design* brings together accumulated industry experience in the design, analysis, and application of the mechanical systems used during space flight. More than thirty experts from a variety of related specialties and subspecialties share their insights, technical expertise, and in-depth knowledge on an enormous variety of topics, including:

## Book Information

Hardcover: 816 pages

Publisher: Wiley-Interscience; 1 edition (February 27, 1998)

Language: English

ISBN-10: 047112141X

ISBN-13: 978-0471121411

Product Dimensions: 6.4 x 1.9 x 9.3 inches

Shipping Weight: 2.9 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 3 customer reviews

Best Sellers Rank: #648,328 in Books (See Top 100 in Books) #102 in *Books > Engineering & Transportation > Engineering > Aerospace > Aircraft Design & Construction* #350 in *Books > Engineering & Transportation > Engineering > Aerospace > Astronautics & Space Flight* #354 in *Books > Textbooks > Engineering > Aeronautical Engineering*

## Customer Reviews

This innovative text takes a look at the steadily increasing industry of space vehicle designs. Providing a detailed understanding of the design and employment of these mechanisms.

The first comprehensive reference on the design, analysis, and application of space vehicle mechanisms *Space Vehicle Mechanisms: Elements of Successful Design* brings together accumulated industry experience in the design, analysis, and application of the mechanical systems used during space flight. More than thirty experts from a variety of related specialties and subspecialties share their insights, technical expertise, and in-depth knowledge on an enormous variety of topics, including: \* Stainless steel, beryllium, and other widely used materials \* Bearings \* Lubricants and component lubrication \* Release devices \* Motors \* Optical encoders \* Resolvers \* Signal and power transfer devices \* Deployment devices \* Thermal design \* Radiation and survivability \* Electrical interfaces \* Reliability *Space Vehicle Mechanisms* is an indispensable resource for engineers involved in the design and analysis of mechanical assemblies used in space flight, and a valuable reference for space systems engineers, mission planners, and control systems engineers. It is also an excellent text for upper-level undergraduate and graduate-level courses in astronautical and mechanical engineering. *Space Vehicle Mechanisms: Elements of Successful Design* brings together accumulated industry experience in the design, analysis, and application of the mechanical systems used during space flight. More than thirty experts from a variety of related specialties and subspecialties share their insights, technical expertise, and in-depth knowledge on an enormous variety of topics, including:

it's very good to me.

This book does a very good job of presenting a wide range of mechanisms used in space-flight applications. It provides a good description to understand the basic operating principles of the various mechanisms with enough detail to figure out which type of a particular mechanism may be best suited to a particular application. I believe this book also does a good job of not getting too bogged down into abstract and esoteric details. If one wanted to find the aforementioned details, each section has with it a very good list of references; furthermore, each section was written by experts in the field of each type of mechanism presented rather than by a single author who tries to portray some knowledge in all or many areas.

This is the only reference for those designing space vehicle mechanisms. Each chapter is written by

the expert(s) of that field and provide a great overview of things to consider when buying, designing, or writing specifications.

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

Space Vehicle Mechanisms: Elements of Successful Design Vehicle Maintenance Log: Vehicle Maintenance Log Template: Car Maintenance â “ Reminder | Log Book | Mileage Log | Repairs And Maintenance | Everything ... | 5.5 x 8.5â • small & compact (Volume 1) Vehicle and Traffic Law of the State of New York (Softcover) (Vehicle and Traffic Law of New York) Bug Out Vehicle: A Step-By-Step Guide On How To Build An Affordable and Quality Survival Vehicle To Evacuate Your Home In An Emergency Disaster Scenario Build the Perfect Bug Out Vehicle: The Disaster Survival Vehicle Guide Space Vehicle Design, Second Edition (AIAA Education) Ingenious Mechanisms for Designers and Inventors, 1930-67 (Volume 1) (Ingenious Mechanisms for Designers & Inventors) Percutaneous Absorption: Drugs--Cosmetics--Mechanisms--Methodology: Drugs--Cosmetics--Mechanisms--Methodology, Third Edition, (Drugs and the Pharmaceutical Sciences) Advanced Organic Chemistry: Part A: Structure and Mechanisms: Structure and Mechanisms Pt. A Schaechter's Mechanisms of Microbial Disease (Mechanisms of Microbial Disease (Schaechter)) Graphic Design Success: Over 100 Tips for Beginners in Graphic Design: Graphic Design Basics for Beginners, Save Time and Jump Start Your Success (graphic ... graphic design beginner, design skills) Launch Vehicles Pocket Space Guide: Heritage of the Space Race (Pocket Space Guides) Structural Elements for Architects and Builders: Design of Columns, Beams, and Tension Elements in Wood, Steel, and Reinforced Concrete, 2nd Edition Spacecraft Structures and Mechanisms from Concept to Launch (The Space Technology Library, Vol. 4) NASA Space Shuttle Manual: An Insight into the Design, Construction and Operation of the NASA Space Shuttle (Owners' Workshop Manual) Space Mission Analysis and Design (Space Technology Library) NASA Space Shuttle Manual: An Insight into the Design, Construction and Operation of the NASA Space Shuttle Design, When Everybody Designs: An Introduction to Design for Social Innovation (Design Thinking, Design Theory) Design Leadership: How Top Design Leaders Build and Grow Successful Organizations Shapes: Geometric Forms in Graphic Design (Graphic Design Elements)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)