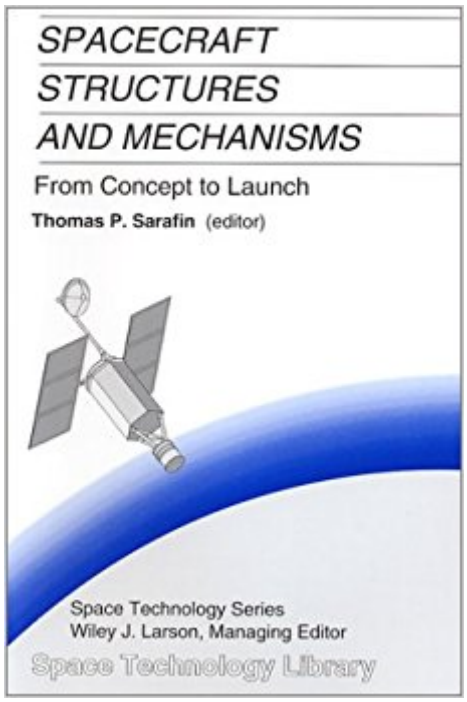
Spacecraft Structures And Mechanisms From Concept To Launch (The Space Technology Library, Vol. 4)



Synopsis

Describes how to develop spacecraft, from defining requirements and design to ensuring mechanical readiness for launch.

Book Information

Paperback: 850 pages

Publisher: Springer; 1 edition (June 1, 1995)

Language: English

ISBN-10: 1881883035

ISBN-13: 978-1881883036

Package Dimensions: 9.2 x 6.1 x 1.6 inches

Shipping Weight: 2.4 pounds (View shipping rates and policies)

Average Customer Review: 4.9 out of 5 stars 11 customer reviews

Best Sellers Rank: #305,902 in Books (See Top 100 in Books) #12 inÃ Â Books > Engineering & Transportation > Engineering > Civil & Environmental > Structural Dynamics #29 inÃ Â Books > Engineering & Transportation > Automotive > Repair & Maintenance > Vehicle Design & Construction #259 inÃ Â Books > Engineering & Transportation > Engineering > Automotive

Customer Reviews

This book is one of the most widely referenced titles in books and journal articles dealing with the structural design and engineetring activities of satellites. Even though it is a bit old, its information is still relevant.

Arrived in time and perfect!

Great reference book for anyone working in spacecraft structures

it’s excellent!

Better condition than advertised. +++

Ok

very good book.

This book’s greatest strength was its organization and presentation of information regarding spacecraft structures. As the subtitle says "from Concept to Launch". Information is presented first in the conceptual manner to gain the basic understanding of what goes into the design of a structure. He then follows this conceptual information with more detailed explanations of the behaviors and effects that specific components or types of structures exhibit which include the effects these provide to other spacecraft subsystems through the launch phase and while in space.His use of equations in describing the topics within the book is very to the point and he also includes plenty of figures and diagrams to help to concisely illustrate the topics at hand. In short he educates the reader to new topics very efficiently while not drowning in the details. For readers who want to delve into a subject more completely he presents references at the end of each chapter.The book’s weak point is its treatment on mechanisms. Regarding mechanisms his treatment is more of a broad overview which is rather unfortunate. In the development of reliable spaceflight mechanisms the devil really is in the details. For anyone who wants a good reference for spaceflight mechanisms I recommend the book "Space Vehicle Mechanisms: Elements of Successful Design" or try to gather information from the proceedings of the Aerospace Mechanisms Symposium.

Spacecraft of the Solar System (Transhuman Space) Space Mission Analysis and Design (Space Technology Library) Let's Grill! Best BBQ Recipes Box Set: Best BBQ Recipes from Texas (vol.1), Carolinas (Vol. 2), Missouri (Vol. 3), Tennessee (Vol. 4), Alabama (Vol. 5), Hawaii (Vol. 6) Non-Rocket Space Launch and Flight The Kerbal Player's Guide: The Easiest Way to Launch a Space Program