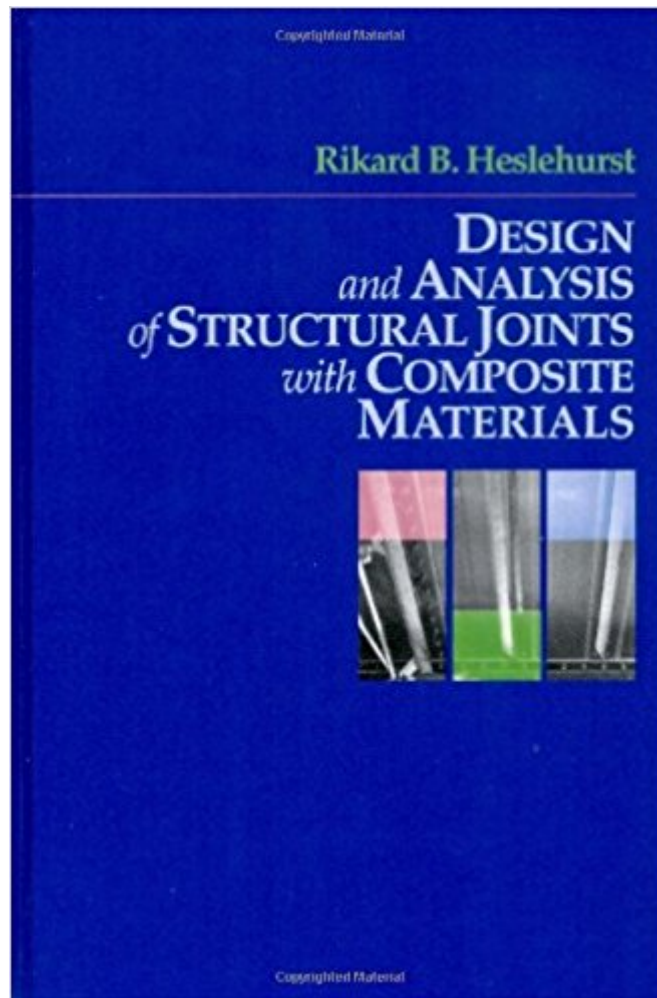




Ebook Directory
the best source of ebook

The book was found

Design And Analysis Of Structural Joints With Composite Materials



Synopsis

Critical knowledge for designing and fabricating joints from composites Covers mechanical fasteners, adhesives, welding, clamping and more Applied theory for composite design and part-to-part assembly Includes design equations, data tables, test methods, and troubleshooting tips

----- Starting from the facts that metal and composite material joining strategies differ and laminate, stacking and other features are unique to joints made from composites, this book presents a complete and comprehensive set of design and analysis equations, as well as technical steps, to enable engineers and technicians to design and fabricate effective structural joints from composite materials in multiple configurations. Techniques and data in this text provide the tools necessary to connect, attach and assemble composite parts and products in aviation, aerospace, automotive, infrastructure and recreation. The book covers test methods, stress and damage analysis and ways to improve composite joining systems. Additional features include strategies for troubleshooting drawn from field-based case studies.

Book Information

Hardcover: 464 pages

Publisher: DEStech Publications, Inc (February 20, 2013)

Language: English

ISBN-10: 1605950343

ISBN-13: 978-1605950341

Product Dimensions: 1.2 x 6.2 x 9 inches

Shipping Weight: 1.7 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,840,190 in Books (See Top 100 in Books) #43 in Books > Engineering & Transportation > Engineering > Reference > Research #293 in Books > Engineering & Transportation > Engineering > Aerospace > Aircraft Design & Construction #884 in Books > Textbooks > Engineering > Aeronautical Engineering

Customer Reviews

Dr. Rikard Heslehurst is a global authority and instructor on the subject of composites joining and an adjunct professor at the University of New South Wales.

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

Design and Analysis of Structural Joints with Composite Materials Damage Mechanics of

Composite Materials, Volume 9 (Composite Materials Series) Composite Materials: Materials, Manufacturing, Analysis, Design and Repair Composite Construction for Homebuilt Aircraft: The Basic Handbook of Composite Aircraft Aerodynamics, Construction, Maintenance and Repair Plus, How-To and Design Information Structural Analysis and Design of Tall Buildings: Steel and Composite Construction The Mechanics of Adhesives in Composite and Metal Joints Processing Techniques and Tribological Behavior of Composite Materials (Advances in Chemical and Materials Engineering) Mechanics Of Composite Materials (Materials Science & Engineering Series) Engineering Materials 3: Materials Failure Analysis: Case Studies and Design Implications (International Series on Materials Science and Technology) (v. 3) Stress Analysis of Fiber-Reinforced Composite Materials Introduction to Composite Materials Design, Second Edition Design and Analysis of Composite Structures: With Applications to Aerospace Structures Structural Analysis and Synthesis: A Laboratory Course in Structural Geology Structural Analysis and Synthesis: A Laboratory Course in Structural Geology 3rd (third) edition by Rowland, Stehen M., Duebendorfer, Ernest M., Schiefelbein, I published by Wiley-Blackwell (2007) [Spiral-bound] Structural Analysis and Synthesis: A Laboratory Course in Structural Geology, 2nd Edition Understanding Aircraft Composite Construction: Basics of Materials and Techniques for the Non-Engineer Damage and Failure of Composite Materials Mechanics of Composite Materials, Second Edition (Mechanical and Aerospace Engineering Series) Friction and Wear of Polymer Composites (Composite Materials Series 1) Composite Materials for Implant Applications in the Human Body: Characterization and Testing/Pcn No. : 04-011780-54 (Astm Special Technical Publication// Stp)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)