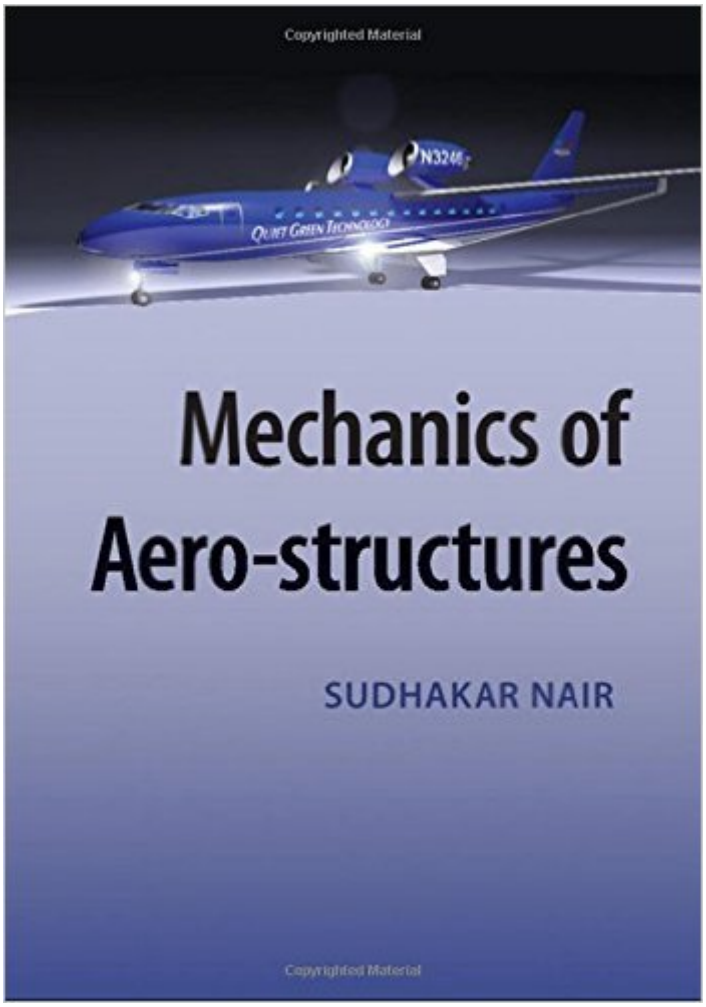
Mechanics Of Aero-structures



Synopsis

Mechanics of Aero-structures is a concise textbook for students of aircraft structures, which covers aircraft loads and maneuvers, as well as torsion and bending of single cell, multi-cell, and open thin-walled structures. Static structural stability, energy methods, and aero-elastic instability are discussed. Numerous examples and exercises are included to enhance students' facility with structural analysis. This well-illustrated textbook is meant for third- and fourth-year undergraduate students in aerospace and aeronautical engineering programs. The material included can be covered in a one semester course. Key Features Include: â ¢ Torsion and bending of single cell, multi-cell, and open sections are described in detail. â ¢ Aerodynamic loads, maneuvers, and elementary aero-elastic stability are included. â ¢ The book begins with a description of the aerodynamics loads to motivate the students. â ¢ Includes an in-depth description of energy methods, an essential topic.

Book Information

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Customer Reviews

This is by far the most incomplete book out there for aerospace/mechanical engineers. The book is vaguely 100 pages and the flow of the topics in the book are random. Following explanations in the book is hard since he basically thinks you know everything.

Swift: Programming, Master's Handbook: A TRUE Beginner's Guide! Problem Solving, Code, Data

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