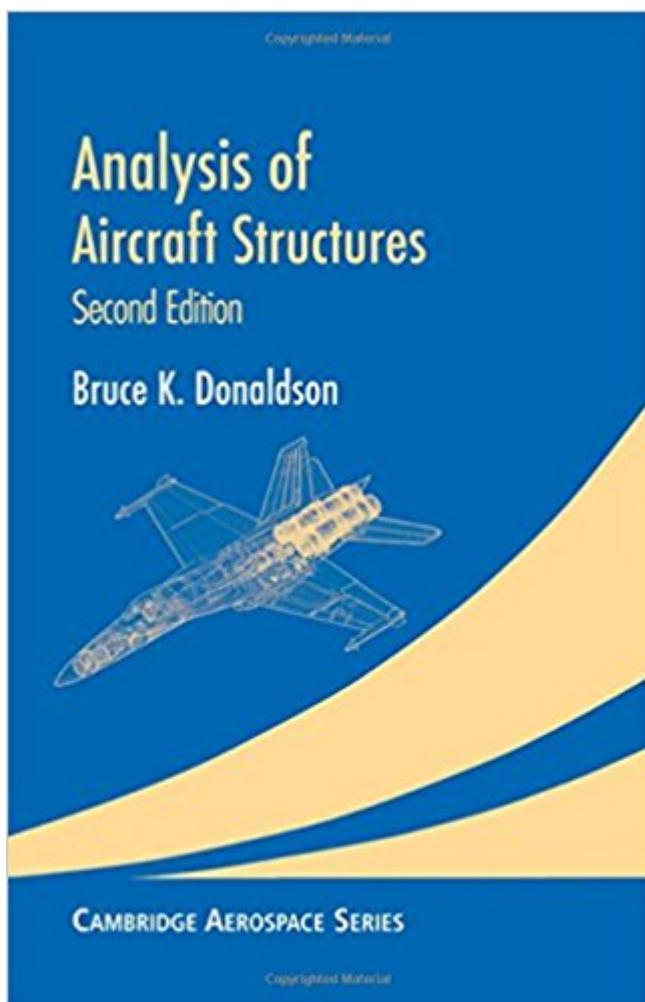


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Analysis Of Aircraft Structures: An Introduction (Cambridge Aerospace Series)



Synopsis

As with the first edition, this textbook provides a clear introduction to the fundamental theory of structural analysis as applied to vehicles, aircraft, spacecraft, automobiles, and ships. The emphasis is on the application of fundamental concepts of structural analysis in everyday engineering practice. No assumptions are made with regard to the method of analysis. All approximations are accompanied by a full explanation of their validity. Repetition is an important learning tool, and so some redundancy appears to dispel misunderstanding. The number of topics covered in detail is limited to those essential for modern structural engineering practice. In this new edition, more topics, figures, examples, and exercises have been added. A primary change has been a greater emphasis on the finite element methods of analysis. Three new chapters are now included, and clarity remains the hallmark of this text.

Book Information

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Review of the hardback: 'Although the approach is classical, what makes this book different is the extensive and thorough treatment with hundreds of examples, questions and answers. No other textbook offers such a treatment ... The extensive treatment and very large number of examples is welcomed. Cambridge University Press is to be congratulated on producing a quality product for [a] reasonable price ...' G. A. O. Davies, Imperial College London

This text provides clear instruction in the fundamental concepts of structural analysis applied to vehicular structures such as aircraft, automobiles, ships, and spacecraft. It employs three strategies to achieve clarity of presentation: all approximations are fully explained, many important concepts are repeated, and essential introductory topics are covered.

This book gives a clear picture into the structural analysis part and clear examples about how to apply those concepts in everyday engineering life...

This book is horribly organized and written. Dimension in problems are totally arbitrary and are not clearly labeled. Entirely too wordy and questions refer to questions on questions on questions. e.g. problem 9.9 a-c refers to 3 different figures and conditions listed in 3 separate problems. The claim that "clarity remains the hallmark of this text" is an awful lie. I would never wish this evil onto anyone.

This book is very wordy and seems to go into so much unnecessary detail that it can lose the reader.

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