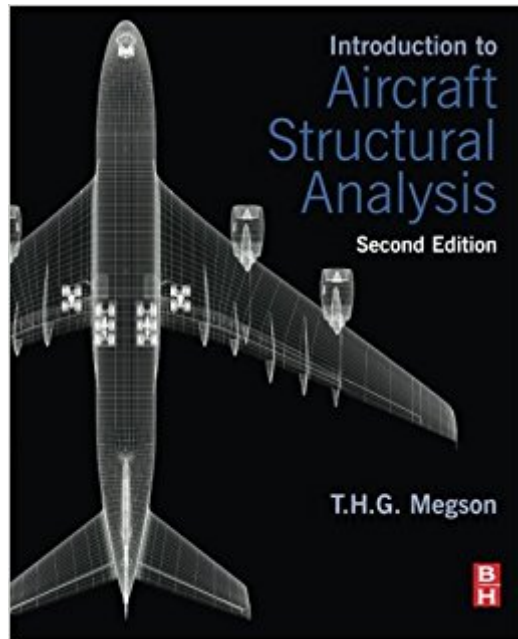




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Introduction To Aircraft Structural Analysis, Second Edition



Synopsis

Introduction to Aircraft Structural Analysis, Second Edition, is an essential resource for learning aircraft structural analysis. Based on the author's best-selling text Aircraft Structures for Engineering Students, this brief book covers the basics of structural analysis as applied to aircraft structures. Coverage of elasticity, energy methods, and virtual work sets the stage for discussions of airworthiness/airframe loads and stress analysis of aircraft components. Numerous worked examples, illustrations, and sample problems show how to apply the concepts to realistic situations. This text is designed for undergraduate and postgraduate students of aerospace and aeronautical engineering as well as for professional development and training courses. Based on the author's best-selling text Aircraft Structures for Engineering Students, this introduction covers core concepts in about 200 fewer pages than the original—by removing some optional topics like structural vibrations and aeroelasticity. Systematic step-by-step procedures in the worked examples. Self-contained, with complete derivations for key equations.

Book Information

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Customer Reviews

T.H.G. Megson is a professor emeritus with the Department of Civil Engineering at Leeds University (UK). For Elsevier he has written the market leading Butterworth Heinemann textbooks Aircraft Structures for Engineering Students and Introduction to Aircraft Structural Analysis (a briefer derivative of the aircraft structures book), as well as the text/ref hybrid Structural and Stress Analysis.

Best used if followed from start to finish, but relatively easy to follow and straight forward.

This textbook is awful, plain and simple. Very few examples, you won't be able to do every problem in the book even if you read through every example. Additionally, what few examples there are skip steps, don't tell you what variables are, and don't show you how equations are derived. If you're taking a class that uses this book, good luck.

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