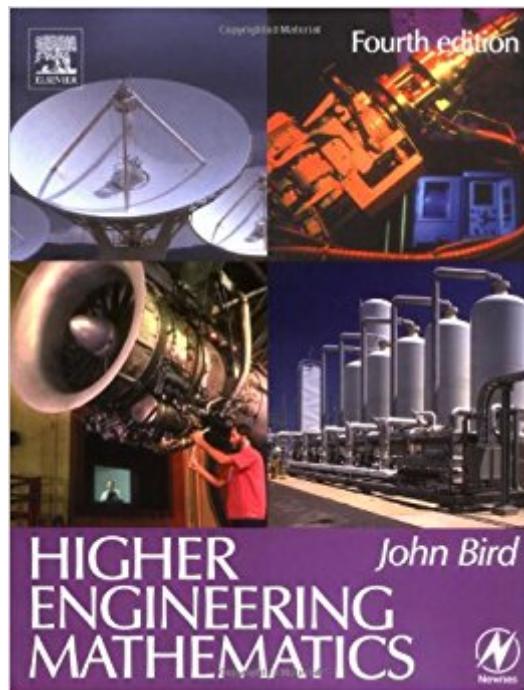


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# Higher Engineering Mathematics, Fourth Edition



## Synopsis

A fully comprehensive and highly practical resource to the subject of engineering mathematics. John Bird's approach, based on numerous worked examples supported by problems, is ideal for students from a wide range of academic backgrounds, and can be worked through at the student's own pace. This has been proved by the thousands of students guided to exam success by previous editions of this book and the highly popular companion title 'Engineering Mathematics'. A wide and thorough topic coverage makes this an ideal text for a wide range of university degree modules and institution-devised HNC / D units. However, the book has been written specifically to cater for the engineering mathematics units of the new Higher National Engineering schemes from Edexcel, including the core unit 'Analytical Methods for Engineers', and the two specialist units 'Further Analytical Methods for Engineers' and 'Engineering Mathematics', common to both the electrical / electronic engineering and mechanical engineering pathways. The new edition covers the 'Engineering Mathematics' unit in its entirety, covering material particularly appropriate to undergraduate students studying with this book. A free Instructor's Manual is available to download, containing full solutions to all of the assignments featured in the book. Also available on the companion website is a comprehensive set of introductory level algebra and related material, to enable students to revise the basics of this essential area of engineering mathematics before embarking on further study of the subject as a whole. Algebra revision material available at <http://books.elsevier.com/companions/0750662662> Free instructors manual available at <http://textbooks.elsevier.com>. \* Updated throughout to cover the engineering mathematics units of the new Higher National schemes from Edexcel, including the compulsory core unit Analytical Methods for Engineers\* Includes over 800 worked examples and over 1, 500 problems, to enable the student to apply mathematics in real-world engineering contexts\* Free Instructor's Manual provides full solutions to the assignments featured in the book

## Book Information

Paperback: 736 pages

Publisher: Newnes; 4 edition (July 15, 2004)

Language: English

ISBN-10: 0750662662

ISBN-13: 978-0750662666

Product Dimensions: 1.5 x 7.5 x 9.5 inches

Shipping Weight: 3 pounds

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #6,491,660 in Books (See Top 100 in Books) #43 in Books > Children's Books > Education & Reference > Math > Advanced #4724 in Books > Textbooks > Science & Mathematics > Mathematics > Calculus #8281 in Books > Textbooks > Engineering > Mechanical Engineering

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"The book is excellent and covers the whole of engineering mathematics from elementary to very advanced""The book is excellent for the HNC and HND Engineering courses, both Mechanical and Electrical." "Very comprehensive text with large number of worked examples" --This text refers to an out of print or unavailable edition of this title.

A fully comprehensive and highly practical resource to the subject of engineering mathematics

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