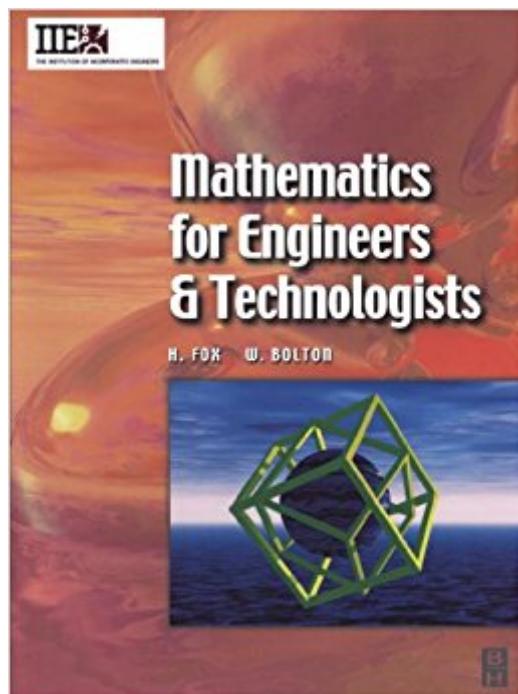


The book was found

# Mathematics For Engineers And Technologists (IIE Core Textbooks Series)



## **Synopsis**

This book is carefully designed to be used on a wide range of introductory courses at first degree and HND level in the U.K., with content matched to a variety of first year degree modules from IEng and other BSc Engineering and Technology courses. Lecturers will find the breadth of material covered gears the book towards a flexible style of use, which can be tailored to their syllabus, and used along side the other IIE Core Textbooks to bring first year students up to speed on the mathematics they require for their engineering degree. \*Features real-world examples, case studies, assignments and knowledge-check questions throughout\*Introduces key mathematical methods in practical engineering contexts \*Bridges the gap between theory and practice

## **Book Information**

Series: IIE Core Textbooks Series

Paperback: 337 pages

Publisher: Butterworth-Heinemann; 1 edition (October 8, 2002)

Language: English

ISBN-10: 0750655445

ISBN-13: 978-0750655446

Product Dimensions: 7.7 x 0.8 x 10.4 inches

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

Average Customer Review: Be the first to review this item

Best Sellers Rank: #4,979,151 in Books (See Top 100 in Books) #37 in Books > Children's Books > Education & Reference > Math > Advanced #26768 in Books > Textbooks > Engineering #27319 in Books > Science & Math > Mathematics > Applied

## **Customer Reviews**

'I am sure that the heavy use of application examples and case studies has considerable potential. Likewise, the section on model building is welcome, given the number of texts that concentrate on the solution of equations without any great reference to their origins or context.' John Szymanski, Senior Lecturer University of York'The proposed outline for the Maths book sits very well within the core IIE series. In my opinion, it provides a coverage which will satisfy at least 80% of the required maths profile for the vast majority of IIE engineering courses for year 1 and will also support mathematics teaching in the second year (and a substantial part of the syllabus for other engineering courses). It is supportive of the subjects covered in the Mechanical Systems book (will be covered in the Electronic Engineering book) and, to some extent, the business book, although

this relies on less mathematical rigour. The proposed approach appears quite different from the majority of likely competitive texts in that it approaches the subject of mathematics from an engineering systems perspective, introducing the need for the techniques before introducing the techniques themselves. In this way, I feel it will be a great support to the education of IEng students by breaking down the barrier that so often exists, namely the lack of immediate connectivity between the concept and the application.' Alistair Duffy, Series Editor

\*Features real-world examples, case studies, assignments and knowledge-check questions throughout \*Introduces key mathematical methods in practical engineering contexts \*Bridges the gap between theory and practiceMathematics for Engineers and Technologists provides all the essential mathematical information an engineering student needs in preparation for real-life engineering practice. The authors present the subject from an engineering systems perspective - a uniquely student centred approach which introduces the need for the techniques under discussion, before introducing the techniques themselves. With easily accessible material introduced through case studies, assignments and knowledge-check questions, this book is designed to bridge the gap between academic study and vocational application. The interactive style of the book brings the subjects to life, and activities and case studies keep the mathematics firmly rooted in the context of real life engineering practice, rather than focussing on theory alone.

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

Mathematics for Engineers and Technologists (IIE Core Textbooks Series) Occupational Safety and Health for Technologists, Engineers, and Managers (8th Edition) Number Theory Through Inquiry (Maa Textbooks) (Mathematical Association of America Textbooks) Discrete Mathematics and Applications, Second Edition (Textbooks in Mathematics) Elements of Advanced Mathematics, Third Edition (Textbooks in Mathematics) Common Core Assessments and Online Workbooks: Grade 4 Mathematics, PARCC Edition: Common Core State Standards Aligned Holt McDougal Mathematics: Explorations in Core Math, for Common Core: Geometry Common Core Basics, Mathematics Core Subject Module (BASICS & ACHIEVE) The Common Core Mathematics Companion: The Standards Decoded, Grades 3-5: What They Say, What They Mean, How to Teach Them (Corwin Mathematics Series) Advanced Mathematics for Engineers With Applications in Stochastic Processes (Mathematics Research Developments) Physics for Scientists and Engineers: Vol. 2: Electricity and Magnetism, Light (Physics, for Scientists & Engineers, Chapters 22-35) Camping With the Corps of Engineers: The Complete Guide to Campgrounds Built and Operated by the U.S. Army Corps of Engineers (Wright Guides) Physics for Scientists and

Engineers with Modern Physics: Volume II (3rd Edition) (Physics for Scientists & Engineers) The Wright Guide to Camping With the Corps of Engineers: The Complete Guide to Campgrounds Built and Operated by the U.S. Army Corps of Engineers (Wright Guides) Tiny House Engineers Notebook: Volume 1, Off Grid Power: Tiny House Engineers Notebook: Volume 1, Off Grid Power Chance, Strategy, and Choice: An Introduction to the Mathematics of Games and Elections (Cambridge Mathematical Textbooks) Differential Equations: Theory, Technique and Practice, Second Edition (Textbooks in Mathematics) Graph Theory and Its Applications, Second Edition (Textbooks in Mathematics) Real Analysis and Foundations, Fourth Edition (Textbooks in Mathematics) Measure Theory and Fine Properties of Functions, Revised Edition (Textbooks in Mathematics)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)