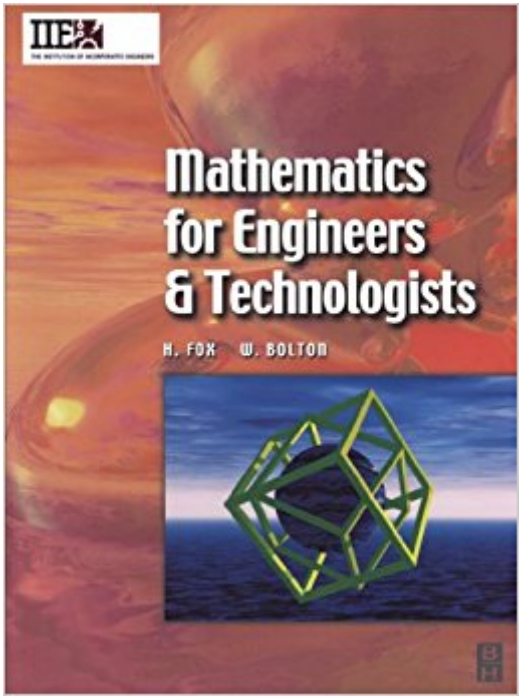
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Mathematics For Engineers And Technologists (IIE Core Textbooks Series)



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Book Information

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'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.

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