



## Mathematics in Engineering and Science (Paperback)

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By L.R. Mustoe, M.D.J. Barry

John Wiley and Sons Ltd, United Kingdom, 1998. Paperback. Book Condition: New. 1. Auflage. 232 x 192 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.In today's world, technology plays an increasingly important role. At the same time, mathematics is finding ever wider areas of application as we seek to understand more about the way in which nature works. Traditionally, engineering and science have relied on mathematical models for design and for the prediction of the behaviour of phenomena. Although widespread availability of computers and pocket calculators has reduced the need for long, tedious calculations to be carried out manually, it is still important to be able to perform simple calculations in order to have a feel for the processes involved. This book starts with a detailed synopsis of the material included in the authors' related textbook *Foundation Mathematics* (Wiley, 1998). It then expands the material in the areas of trigonometry, solution of equations and algebra. Vectors are covered next, then calculus is taken forward into geometrical applications. Matrix algebra and uncertainty follow before deeper analysis in chapters on integer variables, differential equations and complex numbers leads towards an appendix on mathematical modelling. Each chapter opens...



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