

Engineering Mathematics

By John Bird BSc (Hons) CEng CMath CSci FIET MIEE FIIE FIMA FCollT



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John Bird's approach to mathematics, based on numerous worked examples supported by problems, is ideal for students of a wide range of abilities. Theory is kept to a minimum, with the emphasis firmly placed on problem-solving skills, making this a thoroughly practical introduction to the mathematics engineering students need to master.

The book presents a logical topic progression, rather than following the structure of a particular syllabus and is suitable for all Level 3 vocational students and first year undergraduates in Engineering. However, coverage has been carefully matched to the mathematics units within the 2007 BTEC National specifications.

In this fifth edition, new material on inequalities and differentiation of parametric equations, implicit and logarithmic functions as well as an introduction to differential equations has been added. The book now also includes two new revision tests and even more problems for students to work through.

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Editorial Review

Review

"Very informative, exactly what I was looking for! [...] it has been indispensible." *Amazon.co.uk reader review of a previous edition*

From the Back Cover A practical introduction to the core maths needed for engineering studies and practice

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About the Author

John Bird, the author of over 100 textbooks on engineering and mathematical subjects, is the former Head of Applied Electronics in the Faculty of Technology at Highbury College, Portsmouth, U.K. More recently, he has combined freelance lecturing at Portsmouth University, with technical writing and Chief Examiner responsibilities for City and Guilds Telecommunication Principles and Mathematics, and examining for the International Baccalaureate Organisation. **John Bird** is currently a Senior Training Provider at the Royal Naval School of Marine Engineering in the Defence College of Marine and Air Engineering at H.M.S. Sultan, Gosport, Hampshire, U.K. The school, which serves the Royal Navy, is one of Europe's largest engineering training establishments.

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