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Understanding Engineering Mathematics

Bill Cox
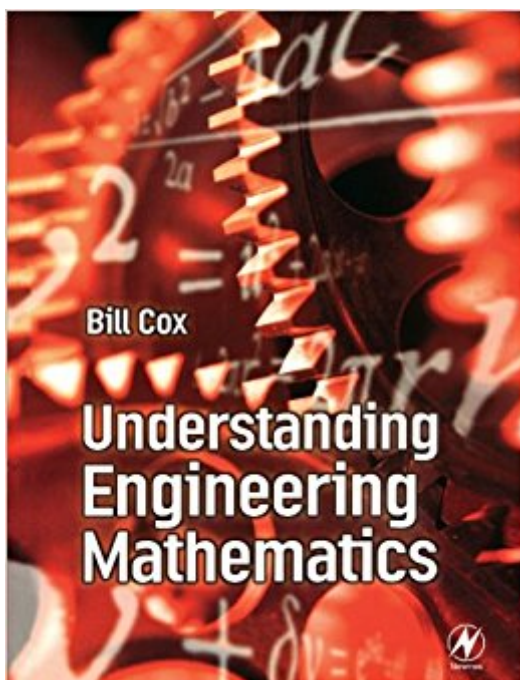
Understanding Engineering Mathematics

Synopsis

Students today enter engineering courses with a wide range of mathematical skills, due to the many different pre-university qualifications studied. Bill Cox's aim is for students to gain a thorough understanding of the maths they are studying, by first strengthening their background in the essentials of each topic. His approach allows a unique self-paced study style, in which students Review their strengths and weaknesses through self-administered diagnostic tests, then focus on Revision where they need it, to finally Reinforce the skills required. Understanding Engineering Mathematics is structured around a highly successful 'transition' maths course at Aston University which has demonstrated a clear improvement in students' achievement in mathematics, and has been commended by QAA Subject Review and engineering accreditation reports. A core undergraduate text with a unique interactive style that enables students to diagnose their strengths and weaknesses and focus their efforts where neededIdeal for self-paced self-study and tutorial work, building from an initially supportive approach to the development of independent learning skillsLots of targeted examples and exercises

Book Information

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Customer Reviews

"Most of syllabi covered with all steps included insolved examples. Plenty of basic maths" --Senior Lecturer "Good readability and relevant for the Foundation year with practical examples" --College Programme Director

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University which has demonstrated a clear improvement in students' achievement in mathematics, and has been commended by QAA Subject Review and engineering accreditation reports.

This book is an indispensable resource for engineering students, both beginners and people returning to school. The chapters provide insight into the fundamentals of complex mathematics and practical methods.

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