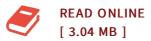# Advanced Engineering Mathematics: Applications Guide

By Raymond N Laoulache, John M Rice

John Wiley Sons Inc, United States, 2015. Paperback. Book Condition: New. 10th. 277 x 206 mm. Language: English . Brand New Book. Advanced Engineering Mathematics: Applications Guide is a text that bridges the gap between formal and abstract mathematics, and applied engineering in a meaningful way to aid and motivate engineering students in learning how advanced mathematics is of practical importance in engineering. The strength of this guide lies in modeling applied engineering problems. First-order and second-order ordinary differential equations (ODEs) are approached in a classical sense so that students understand the key parameters and their effect on system behavior. The book is intended for undergraduates with a good working knowledge of calculus and linear algebra who are ready to use Computer Algebra Systems (CAS) to find solutions expeditiously. This guide can be used as a stand-alone for a course in Applied Engineering Mathematics, as well as a complement to Kreyszigs Advanced Engineering Mathematicsor any other standard text.

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