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Differential Equations: An Introduction to Modern Methods and Applications

By James R Brannan

John Wiley Sons Inc, United States, 2011. Loose-leaf. Book Condition: New. 3rd. 267 x 203 mm. Language: English . Brand New Book. This text is an unbound, binder-ready edition. The modern landscape of technology and industry demands an equally modern approach to differential equations in the classroom. Designed for a first course in differential equations, the second edition of Brannan/Boyce s Differential Equations: An Introduction to Modern Methods and Applications is consistent with the way engineers and scientists use mathematics in their daily work. The focus on fundamental skills, careful application of technology, and practice in modeling complex systems prepares students for the realities of the new millennium, providing the building blocks to be successful problem-solvers in today s workplace. The text emphasizes a systems approach to the subject and integrates the use of modern computing technology in the context of contemporary applications from engineering and science. Section exercises throughout the text provide hands-on experience in modeling, analysis, and computer experimentation. Projects at the end of each chapter provide additional opportunities for students to explore the role played by differential equations in the sciences and engineering. Brannan/Boyce s Differential Equations 2e is available with WileyPLUS, an online teaching and learning...



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