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Differential Equations (Third Edition)

By Shepley L. Ross

Wiley India Pvt. Ltd, 2007. Softcover. Book Condition: New. 3rd edition. Differential Equations is a textbook on elementary differential equations. It educates the reader in not just theory, but methods and applications related to differential equations. Summary Of The Book Differential equations is a very important branch of modern mathematics which features prominent tools that help in solving problems in multiple fields such as physics, engineering, biology, and economics. From the days of its discovery, differential equations have been an important subject of research. For science, engineering, mathematics, and allied courses, differential equations hold great significance. The textbook Differential Equations gives its reader a thorough grounding in the subject. A student new to differential equations is first introduced to the fundamentals of ordinary differential equations. There lies the focus of the Part 1 of Differential Equations. It includes nine chapters, including Applications of Second-Order Linear Differential Equations with Constant Coefficients, Applications of First-Order Equations, Series Solutions of Linear Differential Equations, The Laplace Transform, and Approximate Methods of Solving First-Order Equations. In addition to a systematic introduction to fundamental theory, Part 2 introduces its readers to further methods and applications in differential equations. Part 2 includes topics like Existence and Uniqueness...



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