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James R. Brannan | William E. Boyce

DIFFERENTIAL EQUATIONS

An Introduction to Modern Methods and Applications

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Ordinary Differential Equations J. Kurzweil, 2014-06-28 The author Professor Kurzweil is one of the world's top experts in the area of ordinary differential equations a fact fully reflected in this book Unlike many classical texts which concentrate primarily on methods of integration of differential equations this book pursues a modern approach the topic is discussed in full generality which at the same time permits us to gain a deep insight into the theory and to develop a fruitful intuition The basic framework of the theory is expanded by considering further important topics like stability dependence of a solution on a parameter Carathéodory's theory and differential relations The book is very well written and the prerequisites needed are minimal some basics of analysis and linear algebra As such it is accessible to a wide circle of readers in particular to non-mathematicians

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