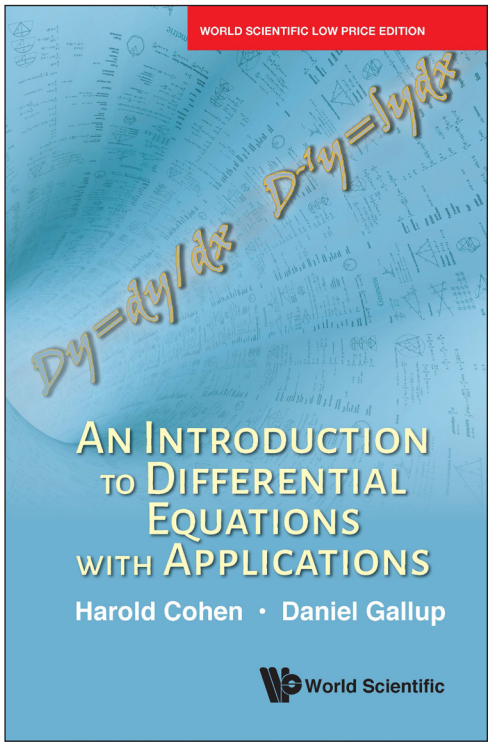
AN INTRODUCTION TO DIFFERENTIAL EQUATIONS WITH APPLICATIONS

By
Harold Cohen
(*California State University, Los Angeles, USA*) and
Daniel Gallup
(*Pasadena City College, USA*)



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ABOUT THE BOOK

This book is for students in a first course in ordinary differential equations. The material is organized so that the presentations begin at a reasonably introductory level. Subsequent material is developed from this beginning. As such, readers with little experience can start at a lower level, while those with some experience can use the beginning material as a review, or skip this part to proceed to the next level.

The book contains methods of approximation to solutions of various types of differential equations with practical applications, which will serve as a guide to programming so that such differential equations can be solved numerically with the use of a computer. Students who intend to pursue a major in engineering, physical sciences, or mathematics will find this book useful.

READERSHIP

Undergraduate students studying mathematics, physics, engineering, business, economics and banking who are interested in the practical applications of differential equations.

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