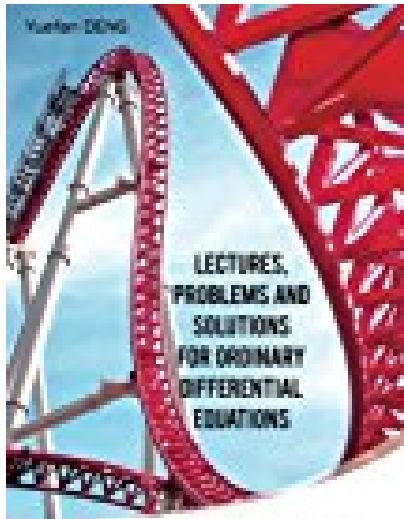


# Lectures Problems and Solutions for Ordinary Differential Equations

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World Scientific

## BOOK DETAILS

- Author : Yuefan Deng
- Pages : 532 Pages
- Publisher : World Scientific Publishing Company
- Language : English
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## BOOK SYNOPSIS

This unique book on ordinary differential equations addresses practical issues of composing and solving such equations by large number of examples and homework problems with solutions. These problems originate in engineering, finance, as well as science at appropriate levels that readers with the basic knowledge of calculus, physics or economics are assumed able to follow. Contents: First-Order Differential Equations Mathematical Models Linear DEs of Higher Order Systems of Linear DEs Laplace Transforms Appendices: Solutions to Selected Problems Laplace Transforms Derivatives & Integrals Abbreviations Teaching Plans Readership: Undergraduate students and entry level graduate students in science and engineering who need to solve and compose ordinary differential equations. Key Features: Students will love the practical value of the book in composing differential equations from applications and detailed solution methods demonstrated by a large number of examples including homework assignments Students will learn this subject much more easily by following the examples Keywords: Differential Equations; Engineering Models; Financial Models; Analytical Methods; Laplace Transforms Reviews: "A winning feature of the text is, obviously, a nice selection of problems, many of which feature applications in natural sciences and engineering. The book can be warmly recommended as a good source of problems both for the lecturer and for the students independent study." Zentralblatt MATH

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