Google Drive



Ordinary Differential Equations (Dover Books on Mathematics)

Morris Tenenbaum, Harry Pollard, Mathematics

Download now

Click here if your download doesn"t start automatically

Ordinary Differential Equations (Dover Books on Mathematics)

Morris Tenenbaum, Harry Pollard, Mathematics

Ordinary Differential Equations (Dover Books on Mathematics) Morris Tenenbaum, Harry Pollard, Mathematics

This unusually well-written, skillfully organized introductory text provides an exhaustive survey of ordinary differential equations — equations which express the relationship between variables and their derivatives. In a disarmingly simple, step-by-step style that never sacrifices mathematical rigor, the authors — Morris Tenenbaum of Cornell University, and Harry Pollard of Purdue University — introduce and explain complex, critically-important concepts to undergraduate students of mathematics, engineering and the sciences.
The book begins with a section that examines the origin of differential equations, defines basic terms and outlines the general solution of a differential equation-the solution that actually contains *every* solution of such an equation. Subsequent sections deal with such subjects as: integrating factors; dilution and accretion problems; the algebra of complex numbers; the linearization of first order systems; Laplace Transforms; Newton's Interpolation Formulas; and Picard's Method of Successive Approximations.
The book contains two exceptional chapters: one on series methods of solving differential equations, the second on numerical methods of solving differential equations. The first includes a discussion of the Legendre Differential Equation, Legendre Functions, Legendre Polynomials, the Bessel Differential Equation, and the Laguerre Differential Equation. Throughout the book, every term is clearly defined and every theorem lucidly and thoroughly analyzed, and there is an admirable balance between the *theory* of differential equations and their *application.* An abundance of solved problems and practice exercises enhances the value of *Ordinary Differential Equations* as a classroom text for undergraduate students and teaching professionals. The book concludes with an in-depth examination of existence and uniqueness theorems about a variety of differential equations, as well as an introduction to the theory of determinants and theorems about Wronskians.

Download Ordinary Differential Equations (Dover Books on Ma ...pdf

Read Online Ordinary Differential Equations (Dover Books on ...pdf

Download and Read Free Online Ordinary Differential Equations (Dover Books on Mathematics) Morris Tenenbaum, Harry Pollard, Mathematics

---

From reader reviews:

Jacqueline McArdle:

Do you have favorite book? In case you have, what is your favorite's book? Guide is very important thing for us to understand everything in the world. Each publication has different aim or maybe goal; it means that e-book has different type. Some people sense enjoy to spend their time for you to read a book. They are really reading whatever they take because their hobby will be reading a book. How about the person who don't like reading a book? Sometime, person feel need book once they found difficult problem or perhaps exercise. Well, probably you should have this Ordinary Differential Equations (Dover Books on Mathematics).

John Olive:

What do you concerning book? It is not important to you? Or just adding material when you need something to explain what the ones you have problem? How about your free time? Or are you busy man or woman? If you don't have spare time to do others business, it is make you feel bored faster. And you have spare time? What did you do? Everyone has many questions above. They must answer that question since just their can do in which. It said that about guide. Book is familiar in each person. Yes, it is appropriate. Because start from on kindergarten until university need that Ordinary Differential Equations (Dover Books on Mathematics) to read.

Gregory Kile:

In this period of time globalization it is important to someone to receive information. The information will make professionals understand the condition of the world. The healthiness of the world makes the information quicker to share. You can find a lot of personal references to get information example: internet, paper, book, and soon. You will see that now, a lot of publisher that will print many kinds of book. Often the book that recommended to your account is Ordinary Differential Equations (Dover Books on Mathematics) this guide consist a lot of the information on the condition of this world now. This kind of book was represented just how can the world has grown up. The terminology styles that writer use for explain it is easy to understand. The particular writer made some investigation when he makes this book. Honestly, that is why this book suitable all of you.

Jennifer Gallant:

As we know that book is important thing to add our information for everything. By a book we can know everything you want. A book is a list of written, printed, illustrated or blank sheet. Every year had been exactly added. This e-book Ordinary Differential Equations (Dover Books on Mathematics) was filled concerning science. Spend your free time to add your knowledge about your science competence. Some people has several feel when they reading any book. If you know how big benefit from a book, you can experience enjoy to read a reserve. In the modern era like at this point, many ways to get book which you wanted.

Download and Read Online Ordinary Differential Equations (Dover Books on Mathematics) Morris Tenenbaum, Harry Pollard, Mathematics #16AVPNGER2Z

Read Ordinary Differential Equations (Dover Books on Mathematics) by Morris Tenenbaum, Harry Pollard, Mathematics for online ebook

Ordinary Differential Equations (Dover Books on Mathematics) by Morris Tenenbaum, Harry Pollard, Mathematics Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Ordinary Differential Equations (Dover Books on Mathematics) by Morris Tenenbaum, Harry Pollard, Mathematics books to read online.

Online Ordinary Differential Equations (Dover Books on Mathematics) by Morris Tenenbaum, Harry Pollard, Mathematics ebook PDF download

Ordinary Differential Equations (Dover Books on Mathematics) by Morris Tenenbaum, Harry Pollard, Mathematics Doc

Ordinary Differential Equations (Dover Books on Mathematics) by Morris Tenenbaum, Harry Pollard, Mathematics Mobipocket

Ordinary Differential Equations (Dover Books on Mathematics) by Morris Tenenbaum, Harry Pollard, Mathematics EPub