A Textbook on Ordinary Differential Equations (UNITEXT)

By Shair Ahmad, Antonio Ambrosetti

A Textbook on Ordinary Differential Equations (UNITEXT) By Shair Ahmad, Antonio Ambrosetti

This book offers readers a primer on the theory and applications of Ordinary Differential Equations. The style used is simple, yet thorough and rigorous. Each chapter ends with a broad set of exercises that range from the routine to the more challenging and thought-provoking. Solutions to selected exercises can be found at the end of the book. The book contains many interesting examples on topics such as electric circuits, the pendulum equation, the logistic equation, the Lotka-Volterra system, the Laplace Transform, etc., which introduce students to a number of interesting aspects of the theory and applications. The work is mainly intended for students of Mathematics, Physics, Engineering, Computer Science and other areas of the natural and social sciences that use ordinary differential equations, and who have a firm grasp of Calculus and a minimal understanding of the basic concepts used in Linear Algebra. It also studies a few more advanced topics, such as Stability Theory and Boundary Value Problems, which may be suitable for more advanced undergraduate or first-year graduate students. The second edition has been revised to correct minor errata, and features a number of carefully selected new exercises, together with more detailed explanations of some of the topics.

A complete Solutions Manual, containing solutions to all the exercises published in the book, is available. Instructors who wish to adopt the book may request the manual by writing directly to one of the authors.

Download A Textbook on Ordinary Differential Equations (UNI ...pdf

Read Online A Textbook on Ordinary Differential Equations (U ...pdf

A Textbook on Ordinary Differential Equations (UNITEXT)

By Shair Ahmad, Antonio Ambrosetti

A Textbook on Ordinary Differential Equations (UNITEXT) By Shair Ahmad, Antonio Ambrosetti

This book offers readers a primer on the theory and applications of Ordinary Differential Equations. The style used is simple, yet thorough and rigorous. Each chapter ends with a broad set of exercises that range from the routine to the more challenging and thought-provoking. Solutions to selected exercises can be found at the end of the book. The book contains many interesting examples on topics such as electric circuits, the pendulum equation, the logistic equation, the Lotka-Volterra system, the Laplace Transform, etc., which introduce students to a number of interesting aspects of the theory and applications. The work is mainly intended for students of Mathematics, Physics, Engineering, Computer Science and other areas of the natural and social sciences that use ordinary differential equations, and who have a firm grasp of Calculus and a minimal understanding of the basic concepts used in Linear Algebra. It also studies a few more advanced topics, such as Stability Theory and Boundary Value Problems, which may be suitable for more advanced undergraduate or first-year graduate students. The second edition has been revised to correct minor errata, and features a number of carefully selected new exercises, together with more detailed explanations of some of the topics.

A complete Solutions Manual, containing solutions to all the exercises published in the book, is available. Instructors who wish to adopt the book may request the manual by writing directly to one of the authors.

A Textbook on Ordinary Differential Equations (UNITEXT) By Shair Ahmad, Antonio Ambrosetti Bibliography

- Rank: #257452 in Books
- Published on: 2015-05-30
- Original language: English
- Number of items: 1
- Dimensions: 9.10" h x .60" w x 6.10" l, 1.30 pounds
- Binding: Paperback
- 331 pages

[⬇ **Download** A Textbook on Ordinary Differential Equations (UNI ...pdf](#)

[▤ **Read Online** A Textbook on Ordinary Differential Equations (U ...pdf](#)

Editorial Review

Review
"This is the second edition of an undergraduate introduction to ordinary differential equations suitable for mathematicians and engineers. … The style is clean and concise with many examples and exercises. Basic results are proven, more involved results are only stated. The new edition features some new exercises and better explanations at various points. So if you are looking for an application oriented introduction which is still concise and rigorous, this book might be just right for you." (G. Teschl, Monatshefte für Mathematik, 2016)

Review

From the Back Cover
This book offers readers a primer on the theory and applications of Ordinary Differential Equations. The style used is simple, yet thorough and rigorous. Each chapter ends with a broad set of exercises that range from the routine to the more challenging and thought-provoking. Solutions to selected exercises can be found at the end of the book. The book contains many interesting examples on topics such as electric circuits, the pendulum equation, the logistic equation, the Lotka-Volterra system, the Laplace Transform, etc., which introduce students to a number of interesting aspects of the theory and applications. The work is mainly intended for students of Mathematics, Physics, Engineering, Computer Science and other areas of the natural and social sciences that use ordinary differential equations, and who have a firm grasp of Calculus and a minimal understanding of the basic concepts used in Linear Algebra. It also studies a few more advanced topics, such as Stability Theory and Boundary Value Problems, which may be suitable for more advanced undergraduate or first-year graduate students. The second edition has been revised to correct minor errata, and features a number of carefully selected new exercises, together with more detailed explanations of some of the topics.

Users Review

From reader reviews:

Sandra McLean:

The book A Textbook on Ordinary Differential Equations (UNITEXT) can give more knowledge and also the precise product information about everything you want. Exactly why must we leave the good thing like a book A Textbook on Ordinary Differential Equations (UNITEXT)? Several of you have a different opinion about reserve. But one aim in which book can give many info for us. It is absolutely correct. Right now, try to closer with your book. Knowledge or facts that you take for that, you can give for each other; it is possible to share all of these. Book A Textbook on Ordinary Differential Equations (UNITEXT) has simple shape but the truth is know: it has great and massive function for you. You can seem the enormous world by open up and read a reserve. So it is very wonderful.

Junior Price:

Beside this specific A Textbook on Ordinary Differential Equations (UNITEXT) in your phone, it could possibly give you a way to get closer to the new knowledge or facts. The information and the knowledge you will got here is fresh from oven so don't end up being worry if you feel like an old people live in narrow village. It is good thing to have A Textbook on Ordinary Differential Equations (UNITEXT) because this book offers to your account readable information. Do you at times have book but you don't get what it's exactly about. Oh come on, that wil happen if you have this in your hand. The Enjoyable agreement here cannot be questionable, similar to treasuring beautiful island. Use you still want to miss the idea? Find this book as well as read it from now!

Luis Gonzalez:

Is it you actually who having spare time subsequently spend it whole day by watching television programs or just lying on the bed? Do you need something totally new? This A Textbook on Ordinary Differential Equations (UNITEXT) can be the response, oh how comes? The new book you know. You are so out of date, spending your free time by reading in this fresh era is common not a nerd activity. So what these textbooks have than the others?

Stephen Redmond:

A lot of people said that they feel bored when they reading a e-book. They are directly felt it when they get a half portions of the book. You can choose the particular book A Textbook on Ordinary Differential Equations (UNITEXT) to make your personal reading is interesting. Your current skill of reading ability is developing when you such as reading. Try to choose very simple book to make you enjoy to see it and mingle the feeling about book and looking at especially. It is to be initial opinion for you to like to open a book and go through it. Beside that the publication A Textbook on Ordinary Differential Equations (UNITEXT) can to be a newly purchased friend when you're feel alone and confuse with what must you're doing of this time.

Download and Read Online A Textbook on Ordinary Differential Equations (UNITEXT) By Shair Ahmad, Antonio Ambrosetti #7LUI01Q2S68

Read A Textbook on Ordinary Differential Equations (UNITEXT) By Shair Ahmad, Antonio Ambrosetti for online ebook

A Textbook on Ordinary Differential Equations (UNITEXT) By Shair Ahmad, Antonio Ambrosetti 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 A Textbook on Ordinary Differential Equations (UNITEXT) By Shair Ahmad, Antonio Ambrosetti books to read online.

Online A Textbook on Ordinary Differential Equations (UNITEXT) By Shair Ahmad, Antonio Ambrosetti ebook PDF download

A Textbook on Ordinary Differential Equations (UNITEXT) By Shair Ahmad, Antonio Ambrosetti Doc

A Textbook on Ordinary Differential Equations (UNITEXT) By Shair Ahmad, Antonio Ambrosetti Mobipocket

A Textbook on Ordinary Differential Equations (UNITEXT) By Shair Ahmad, Antonio Ambrosetti EPub

7LUI01Q2S68: A Textbook on Ordinary Differential Equations (UNITEXT) By Shair Ahmad, Antonio Ambrosetti