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ScientistsNonlinear Control Design Blockset for Use with Simulink®System Design through Matlab®, Control Toolbox and Simulink®Fundamentals of Linear ControlHandbook of Networked and Embedded Control Systems

A Guide to MATLAB

Written for junior and senior electrical and computer engineering students, this text is an introduction to signal and system analysis, digital signal processing, and the design of analog and digital filters. The text also serves as a self-study guide for professionals who want to review the fundamentals. The expanded fifth edition contains additional information on window functions, the cross correlation and autocorrelation functions, a discussion on nonlinear systems including an example that derives its describing function, as well as additional end-of-chapter exercises.

PID Control System Design and Automatic Tuning using MATLAB/Simulink

Designed for undergraduate students in the general science, engineering, and mathematics community, Introduction to the Simulation of Dynamics Using Simulink (R) shows how to use the powerful tool of Simulink to investigate and form intuitions about the behavior of dynamical systems. Requiring no prior

programming experience, it clearly explains how to transition from physical models described by mathematical equations directly to executable Simulink simulations. Teaches students how to model and explore the dynamics of systems Step by step, the author presents the basics of building a simulation in Simulink. He begins with finite difference equations and simple discrete models, such as annual population models, to introduce the concept of state. The text then covers ordinary differential equations, numerical integration algorithms, and time-step simulation. The final chapter offers overviews of some advanced topics, including the simulation of chaotic dynamics and partial differential equations. A one-semester undergraduate course on simulation Written in an informal, accessible style, this guide includes many diagrams and graphics as well as exercises embedded within the text. It also draws on numerous examples from the science, engineering, and technology fields. The book deepens students' understanding of simulated systems and prepares them for advanced and specialized studies in simulation.

Dsp Blockset for Use with Simulink

This self-contained instruction package takes a practical approach to programming in MATLAB and modeling in Simulink and Stateflow for aerospace and other engineering applications.

High Performance Control of AC Drives with Matlab / Simulink Models

This is the biggest, most comprehensive, and most prestigious compilation of articles on control systems imaginable. Every aspect of control is expertly covered, from the mathematical foundations to applications in robot and manipulator control. Never before has such a massive amount of authoritative, detailed, accurate, and well-organized information been available in a single volume. Absolutely everyone working in any aspect of systems and controls must have this book!

Learning Simulink 5, Release 13

The subject matter of this book is to present the procedural steps required for modeling and simulating the basic dynamic system problems in SIMULINK (a supplementary part of MATLAB) which follow some definitive model. However, the key features of the text can be cited as follows: The book is on the whole a guiding tool for the undergraduate and graduate students of science and engineering who want to work out or simulate the classroom modeling problems using SIMULINK To check the understanding of SIMULINK output and deliberate the reliability on SIMULINK, analytical solutions of the model outputs are inserted in most chapters

Since the text presents modeling ranging from elementary to advanced level, audience spectrum of the text includes engineers, teachers, researchers, and scientists who are beginners in using SIMULINK Know-how aspects of SIMULINK are covered in a made-easy way so that the average reader becomes benefited even if starting from the scratch Tabular block links at the end of each chapter required for a particular class of problems help the reader bring them in the model file and simulate quickly Over 300 classroom-modeling examples are simulated with clarity and systematic steps Appropriate for individual or classroom exercise There are ten chapters in the book bearing the following titles: Introduction to SIMULINK Modeling Mathematical Functions and Waves Modeling Ordinary Differential Equations Modeling Difference Equations Modeling Common Problems of Control Systems Modeling Some Signal Processing Problems Modeling Common Matrix Algebra Problems Modeling Common Statistics and Conversion Problems Fourier Analysis Problems Miscellaneous Modeling and Some Programming Issues

Mastering Simulink

An introduction to computer-aided system design with Simulink: a robust, accurate, and easily used simulation tool. The author takes readers on a tour of the Simulink environment that shows how to develop a system model and execute the design steps needed to make the model into a functioning design laboratory. Included along the way are the mathematics of systems: difference equations and z

transforms, ordinary differential equations (both linear and nonlinear) and Laplace transforms, and numerical methods for solving differential equations. Because specific applications require specific tools, this book introduces additional software packages that work within the Simulink environment. The author covers over 70 applications taken from several disciplines, and describes numerous tested, annotated, and reusable models and blocks to help readers apply the book's material to their own applications. Ideal for practising engineers, and students in model-based design and numerical methods. Additional material is also available online.

A Guide to MATLAB

A comprehensive guide to understanding AC machines with exhaustive simulation models to practice design and control Nearly seventy percent of the electricity generated worldwide is used by electrical motors. Worldwide, huge research efforts are being made to develop commercially viable three- and multi-phase motor drive systems that are economically and technically feasible. Focusing on the most popular AC machines used in industry – induction machine and permanent magnet synchronous machine – this book illustrates advanced control techniques and topologies in practice and recently deployed. Examples are drawn from important techniques including Vector Control, Direct Torque Control, Nonlinear Control, Predictive Control, multi-phase drives and multilevel inverters. Key features

include: systematic coverage of the advanced concepts of AC motor drives with and without output filter; discussion on the modelling, analysis and control of three- and multi-phase AC machine drives, including the recently developed multi-phase-phase drive system and double fed induction machine; description of model predictive control applied to power converters and AC drives, illustrated together with their simulation models; end-of-chapter questions, with answers and PowerPoint slides available on the companion website www.wiley.com/go/aburub_control This book integrates a diverse range of topics into one useful volume, including most the latest developments. It provides an effective guideline for students and professionals on many vital electric drives aspects. It is an advanced textbook for final year undergraduate and graduate students, and researchers in power electronics, electric drives and motor control. It is also a handy tool for specialists and practicing engineers wanting to develop and verify their own algorithms and techniques.

MATLAB Guide

MATLAB is a powerful, versatile, and interactive software for scientific and technical computations, including simulations. Specialized toolboxes provided with built-in functions are a special feature of MATLAB. This book aims at getting the reader started with computations and simulations in system engineering quickly and easily and then proceeds to build concepts for advanced computations and

simulations that include the control and compensation of systems. Simulation through SIMULINK has also been described to allow the reader to get the feel of the real world situation.

Basic MATLAB, Simulink, and Stateflow

Covers PID control systems from the very basics to the advanced topics This book covers the design, implementation and automatic tuning of PID control systems with operational constraints. It provides students, researchers, and industrial practitioners with everything they need to know about PID control systems—from classical tuning rules and model-based design to constraints, automatic tuning, cascade control, and gain scheduled control. PID Control System Design and Automatic Tuning using MATLAB/Simulink introduces PID control system structures, sensitivity analysis, PID control design, implementation with constraints, disturbance observer-based PID control, gain scheduled PID control systems, cascade PID control systems, PID control design for complex systems, automatic tuning and applications of PID control to unmanned aerial vehicles. It also presents resonant control systems relevant to many engineering applications. The implementation of PID control and resonant control highlights how to deal with operational constraints. Provides unique coverage of PID Control of unmanned aerial vehicles (UAVs), including mathematical models of multi-rotor UAVs, control strategies of UAVs, and automatic tuning of PID controllers for UAVs Provides

detailed descriptions of automatic tuning of PID control systems, including relay feedback control systems, frequency response estimation, Monte-Carlo simulation studies, PID controller design using frequency domain information, and MATLAB/Simulink simulation and implementation programs for automatic tuning Includes 15 MATLAB/Simulink tutorials, in a step-by-step manner, to illustrate the design, simulation, implementation and automatic tuning of PID control systems Assists lecturers, teaching assistants, students, and other readers to learn PID control with constraints and apply the control theory to various areas. Accompanying website includes lecture slides and MATLAB/ Simulink programs PID Control System Design and Automatic Tuning using MATLAB/Simulink is intended for undergraduate electrical, chemical, mechanical, and aerospace engineering students, and will greatly benefit postgraduate students, researchers, and industrial personnel who work with control systems and their applications.

Simulink Fixed Point for Use with Simulink

Numerical Computing with Simulink, Volume 1

The availability of the RTL-SDR device for less than $20 brings software defined radio (SDR) to the home and work desktops of EE students, professional engineers

and the maker community. The RTL-SDR can be used to acquire and sample RF (radio frequency) signals transmitted in the frequency range 25MHz to 1.75GHz, and the MATLAB and Simulink environment can be used to develop receivers using first principles DSP (digital signal processing) algorithms. Signals that the RTL-SDR hardware can receive include: FM radio, UHF band signals, ISM signals, GSM, 3G and LTE mobile radio, GPS and satellite signals, and any that the reader can (legally) transmit of course! In this book we introduce readers to SDR methods by viewing and analysing downconverted RF signals in the time and frequency domains, and then provide extensive DSP enabled SDR design exercises which the reader can learn from. The hands-on SDR design examples begin with simple AM and FM receivers, and move on to the more challenging aspects of PHY layer DSP, where receive filter chains, real-time channelisers, and advanced concepts such as carrier synchronisers, digital PLL designs and QPSK timing and phase synchronisers are implemented. In the book we will also show how the RTL-SDR can be used with SDR transmitters to develop complete communication systems, capable of transmitting payloads such as simple text strings, images and audio across the lab desktop.

Introduction to Simulink

From the legendary author of the Elric sagas, this definitive collection captures the incomparable short fiction of one of science fiction and literature's most important

contemporary writers. These exceptional stories range effortlessly from the genre tales that continue to define heroic fantasy to the author's critically acclaimed mainstream works. Classic offerings include "The Visible Men," the trilogy "My Experiences in the Third World War," "A Portrait in Ivory," and the Nebula award-winning novella "Behold the Man." With all of his finest stories finally collected in one volume, this is a long-overdue tribute to an extraordinarily gifted, versatile, and much-beloved author.

Report Generator for Use with MATLAB® and Simulink®

Electrotechnical Systems

The Control Handbook

"MATLAB is a high-level language and interactive environment for numerical computation, visualization, and programming. Using MATLAB, you can analyze data, develop algorithms, and create models and applications. The language, tools, and built-in math functions enable you to explore multiple approaches and reach a solution faster than with spreadsheets or traditional programming languages"--

SIMULINK Real-time Workshop

This is a short, focused introduction to MATLAB, a comprehensive software system for mathematical and technical computing. It contains concise explanations of essential MATLAB commands, as well as easily understood instructions for using MATLAB's programming features, graphical capabilities, simulation models, and rich desktop interface. Written for MATLAB 7, it can also be used with earlier (and later) versions of MATLAB. This book teaches how to graph functions, solve equations, manipulate images, and much more. It contains explicit instructions for using MATLAB's companion software, Simulink, which allows graphical models to be built for dynamical systems. MATLAB's new "publish" feature is discussed, which allows mathematical computations to be combined with text and graphics, to produce polished, integrated, interactive documents. For the beginner it explains everything needed to start using MATLAB, while experienced users making the switch to MATLAB 7 from an earlier version will also find much useful information here.

Computational Statistics Handbook with MATLAB

From the legendary author of the Elric sagas, this definitive collection captures the incomparable short fiction of one of science fiction and literature's most important

contemporary writers. These exceptional stories range effortlessly from the genre tales that continue to define heroic fantasy to the author's critically acclaimed mainstream works. Classic offerings include "The Visible Men," the trilogy "My Experiences in the Third World War," "A Portrait in Ivory," and the Nebula award-winning novella "Behold the Man." With all of his finest stories finally collected in one volume, this is a long-overdue tribute to an extraordinarily gifted, versatile, and much-beloved author.

Software Defined Radio Using MATLAB & Simulink and the RTL-SDR

As with the bestselling first edition, Computational Statistics Handbook with MATLAB, Second Edition covers some of the most commonly used contemporary techniques in computational statistics. With a strong, practical focus on implementing the methods, the authors include algorithmic descriptions of the procedures as well as

Renewable Energy Systems

This book offers a detailed guide to the design and simulation of basic control methods applied to microgrids in various operating modes, using MATLAB®

Simulink® software. It includes discussions on the performance of each configuration, as well as the advantages and limitations of the droop control method. The content is organised didactically, with a level of mathematical and scientific rigour suitable for undergraduate and graduate programmes, as well as for industry professionals. The use of MATLAB® Simulink® software facilitates the learning process with regard to modelling and simulating power electronic converters at the interface of distributed energy resource (DER) systems. The book also features a wealth of illustrations, schematics, and simulation results. Given its scope, it will greatly benefit undergraduate and graduate students in the fields of electrical and electronics engineering, as well as professionals working in microgrid design and implementation.

Basic Tutorial on Simulation of Microgrids Control Using MATLAB® & Simulink® Software

Mastering Simulink 4

Mathematics of Computing -- Mathematical Software.

Atmospheric and Space Flight Dynamics

This book offers a unified presentation that does not discriminate between atmospheric and space flight. It demonstrates that the two disciplines have evolved from the same set of physical principles and introduces a broad range of critical concepts in an accessible, yet mathematically rigorous presentation. The book presents many MATLAB and Simulink-based numerical examples and real-world simulations. Replete with illustrations, end-of-chapter exercises, and selected solutions, the work is primarily useful as a textbook for advanced undergraduate and beginning graduate-level students.

Signals and Systems

Not only do modeling and simulation help provide a better understanding of how real-world systems function, they also enable us to predict system behavior before a system is actually built and analyze systems accurately under varying operating conditions. Modeling and Simulation of Systems Using MATLAB® and Simulink® provides comprehensive, state-of-the-art coverage of all the important aspects of modeling and simulating both physical and conceptual systems. Various real-life examples show how simulation plays a key role in understanding real-world systems. The author also explains how to effectively use MATLAB and Simulink software to successfully apply the modeling and simulation techniques presented. After introducing the underlying philosophy of systems, the book offers step-by-

step procedures for modeling different types of systems using modeling techniques, such as the graph-theoretic approach, interpretive structural modeling, and system dynamics modeling. It then explores how simulation evolved from pre-computer days into the current science of today. The text also presents modern soft computing techniques, including artificial neural networks, fuzzy systems, and genetic algorithms, for modeling and simulating complex and nonlinear systems. The final chapter addresses discrete systems modeling. Preparing both undergraduate and graduate students for advanced modeling and simulation courses, this text helps them carry out effective simulation studies. In addition, graduate students should be able to comprehend and conduct simulation research after completing this book.

Modeling and Simulation of Systems Using MATLAB and Simulink

Taking a different approach from standard thousand-page reference-style control textbooks, Fundamentals of Linear Control provides a concise yet comprehensive introduction to the analysis and design of feedback control systems in fewer than 400 pages. The text focuses on classical methods for dynamic linear systems in the frequency domain. The treatment is, however, modern and the reader is kept aware of contemporary tools and techniques, such as state space methods and

robust and nonlinear control. Featuring fully worked design examples, richly illustrated chapters, and an extensive set of homework problems and examples spanning across the text for gradual challenge and perspective, this textbook is an excellent choice for senior-level courses in systems and control or as a complementary reference in introductory graduate level courses. The text is designed to appeal to a broad audience of engineers and scientists interested in learning the main ideas behind feedback control theory.

Virtual Reality and Animation for MATLAB® and Simulink® Users

Designed to help learn how to use MATLAB and Simulink for the analysis and design of automatic control systems.

Engineering Computations and Modeling in MATLAB/Simulink

Simulation of Dynamic Systems with MATLAB and Simulink

Designed to help teach and understand communication systems using a classroom-tested, active learning approach. Discusses communication concepts and

algorithms, which are explained using simulation projects, accompanied by MATLAB and Simulink Provides step-by-step code exercises and instructions to implement execution sequences Includes a companion website that has MATLAB and Simulink model samples and templates

The Student Edition of SIMULINK

" a seminal text covering the simulation design and analysis of a broad variety of systems using two of the most modern software packages available today. particularly adept [at] enabling students new to the field to gain a thorough understanding of the basics of continuous simulation in a single semester, and [also provides] a more advanced tre

MATLAB for Machine Learning

Continuous-system simulation is an increasingly important tool for optimizing the performance of real-world systems. The book presents an integrated treatment of continuous simulation with all the background and essential prerequisites in one setting. It features updated chapters and two new sections on Black Swan and the Stochastic Information Packet (SIP) and Stochastic Library Units with Relationships Preserved (SLURP) Standard. The new edition includes basic concepts,

mathematical tools, and the common principles of various simulation models for different phenomena, as well as an abundance of case studies, real-world examples, homework problems, and equations to develop a practical understanding of concepts.

The MATLAB 5 Handbook

About this book · Gives the reader hands on example-base experience for simulating dynamical models in MATLAB®/Simulink® and animating them in VRML · More than 150 images describe each step in the model realizations helping readers to understand them visually · Diverse examples and profound problem treatment enable the reader to animate complex dynamical problems m-files, Simulink models, VRML files and jpegs available for download provide full solutions for the end-of-chapter problems Virtual Reality and Animation for MATLAB® and Simulink® Users demonstrates the simulation and animation of physical systems using the MATLAB® Virtual Reality Toolbox (virtual models are created in V-Realm Builder). The book is divided into two parts; the first addresses MATLAB® and the second Simulink®. The presentation is problem-based with each chapter teaching the reader a group of essential principles in the context of a step-by-step solution to a particular issue. Examples of the systems covered include mass-spring-dampers, a crank-slider mechanism and a moving vehicle. The examples are given in ascending level of difficulty and contain MATLAB®/Simulink® codes deliberately

simplified so that readers can focus on: • understanding how to link a 3-d virtual scene to MATLAB®/Simulink®; and • manipulating the 3-d virtual scene in MATLAB®/Simulink®. When studied in sequence, the chapters of this text form a coherent whole enabling the reader to gain a thorough expertise in virtual simulation and animation of dynamical models using MATLAB®/Simulink®. Individual chapters stand on their own, however, so that readers interested in a particular system can concentrate on it easily. Problems are provided in each chapter to give practice in the techniques demonstrated and to extend the range of the systems studied, for example, into the control sphere. Solution code for these problems can be downloaded from insert URL. Whether modeling the dynamics of a simple pendulum, a robot arm or a moving car, animation of a dynamical model can enliven and encourage understanding of mechanical systems and thus contribute to control design. Virtual Reality and Animation for MATLAB® and Simulink® Users will be instructive and interesting to anyone, researcher or student, working with the dynamics of physical systems. Readers are assumed to have some familiarity with MATLAB®.

Problem-Based Learning in Communication Systems Using MATLAB and Simulink

Control Tutorials for MATLAB and Simulink

Extract patterns and knowledge from your data in easy way using MATLAB About This Book Get your first steps into machine learning with the help of this easy-to-follow guide Learn regression, clustering, classification, predictive analytics, artificial neural networks and more with MATLAB Understand how your data works and identify hidden layers in the data with the power of machine learning. Who This Book Is For This book is for data analysts, data scientists, students, or anyone who is looking to get started with machine learning and want to build efficient data processing and predicting applications. A mathematical and statistical background will really help in following this book well. What You Will Learn Learn the introductory concepts of machine learning. Discover different ways to transform data using SAS XPORT, import and export tools, Explore the different types of regression techniques such as simple & multiple linear regression, ordinary least squares estimation, correlations and how to apply them to your data. Discover the basics of classification methods and how to implement Naive Bayes algorithm and Decision Trees in the Matlab environment. Uncover how to use clustering methods like hierarchical clustering to grouping data using the similarity measures. Know how to perform data fitting, pattern recognition, and clustering analysis with the help of MATLAB Neural Network Toolbox. Learn feature selection and extraction for dimensionality reduction leading to improved performance. In Detail MATLAB is the language of choice for many researchers and mathematics experts for machine

learning. This book will help you build a foundation in machine learning using MATLAB for beginners. You'll start by getting your system ready with t he MATLAB environment for machine learning and you'll see how to easily interact with the Matlab workspace. We'll then move on to data cleansing, mining and analyzing various data types in machine learning and you'll see how to display data values on a plot. Next, you'll get to know about the different types of regression techniques and how to apply them to your data using the MATLAB functions. You'll understand the basic concepts of neural networks and perform data fitting, pattern recognition, and clustering analysis. Finally, you'll explore feature selection and extraction techniques for dimensionality reduction for performance improvement. At the end of the book, you will learn to put it all together into real-world cases covering major machine learning algorithms and be comfortable in performing machine learning with MATLAB. Style and approach The book takes a very comprehensive approach to enhance your understanding of machine learning using MATLAB. Sufficient real-world examples and use cases are included in the book to help you grasp the concepts quickly and apply them easily in your day-to-day work.

Mastering Simulink 4

Based on the latest MATLAB and Simulink 2011 Releases of The MathWorks products, Introduction to Simulink® with Engineering Applications, Third Edition,

begins with Simulink modeling of real-world examples, Chapters 1 through 5, then guides you through the entire spectrum of the functional blocks in the Simulink libraries in Appendixes A through T, and provides an example for each, often augmented with the underlying theory.

Introduction to the Simulation of Dynamics Using Simulink

"Engineering Computations and Modeling in MATLAB/Simulink, Second edition provides a broad overview of The MathWorks' MATLAB/Simulink/GUIDE/App Designer development and modeling environment. This textbook shows how to use these software tools effectively in a variety of engineering applications, including modeling real-world dynamic systems. This book is used as a textbook by undergraduate and graduate students taking both introductory and advanced courses in applied programming, and also as a reference for working professionals using MATLAB/Simulink"--

Simulation of Dynamic Systems with MATLAB® and Simulink®

The development of renewable sources for electrical energy has become a mainstream focus in the field of electrical engineering. This book can be used by both engineers and researchers working to develop new electrical systems and

investigate existing ones. Additionally, it can serve as a guide for undergraduate and graduate students during their study of electrical fields. The electrical devices that are used in renewable sources have complicated inner structures, and methods of computer simulation make the development of these systems easier and faster. Simulink, and its toolbox SimPowerSystems, is the most popular means for simulation of electrical systems. The topic of wind-generator (WG) systems simulation merits detailed consideration; therefore, this text covers an in-depth exploration of the simulation of WG systems, systems with batteries, photovoltaic systems, fuel elements, microturbines, and hydroelectric systems.

Modeling and Simulation in Simulink for Engineers and Scientists

The vast majority of control systems built today are embedded; that is, they rely on built-in, special-purpose digital computers to close their feedback loops. Embedded systems are common in aircraft, factories, chemical processing plants, and even in cars–a single high-end automobile may contain over eighty different computers. The design of embedded controllers and of the intricate, automated communication networks that support them raises many new questions—practical, as well as theoretical—about network protocols, compatibility of operating systems, and ways to maximize the effectiveness of the embedded hardware. This

handbook, the first of its kind, provides engineers, computer scientists, mathematicians, and students a broad, comprehensive source of information and technology to address many questions and aspects of embedded and networked control. Separated into six main sections—Fundamentals, Hardware, Software, Theory, Networking, and Applications—this work unifies into a single reference many scattered articles, websites, and specification sheets. Also included are case studies, experiments, and examples that give a multifaceted view of the subject, encompassing computation and communication considerations.

Nonlinear Control Design Blockset for Use with Simulink®

"The book is meant tp be used with Simulink 5 and subsequent revisions"-- p. xvii.

System Design through Matlab®, Control Toolbox and Simulink®

The MATLAB 5 Handbook is an authoritative reference for which provides the reader with the skills to use MATLAB efficiently and effectively, an understanding of the mathematical models underpinning MATLAB and the confidence to explore the potential of MATLAB further.

Fundamentals of Linear Control

This edition enables students to quickly build and test virtual prototypes to explore and study dynamic system concepts at any level of detail with minimum effort using block diagram modeling and simulation. Includes an extensive library of predefined blocks which can be dragged-and-dropped in order to build dynamic system models.

Handbook of Networked and Embedded Control Systems

Filling a gap in the literature, Electrotechnical Systems: Simulation with Simulink® and SimPowerSystemsTM explains how to simulate complicated electrical systems more easily using SimPowerSystemsTM blocks. It gives a comprehensive overview of the powerful SimPowerSystems toolbox and demonstrates how it can be used to create and investigate models of both classic and modern electrotechnical systems. Build from Circuit Elements and Blocks to System Models Building from simple to more complex topics, the book helps readers better understand the principles, features, and detailed functions of various electrical systems, such as electrical drives, power electronics, and systems for production and distribution of electrical energy. The text begins by describing the models of the main circuit elements, which are used to create the full system model, and the measuring and

control blocks. It then examines models of semiconductor devices used in power electronics as well as models of DC and AC motors. The final chapter discusses the simulation of power production and transmission systems, including hydraulic turbine, steam turbine, wind, and diesel generators. The author also develops models of systems that improve the quality of electrical energy, such as active filters and various types of static compensators. Get a Deeper Understanding of Electrical Systems and How to Simulate Them A companion CD supplies nearly 100 models of electrotechnical systems created using SimPowerSystems. These encompass adaptations of SimPowerSystems demonstrational models, as well as models developed by the author, including many important applications related to power electronics and electrical drives, which are not covered by the demonstrational models. In addition to showing how the models can be used, he supplies the theoretical background for each. Offering a solid understanding of how electrical systems function, this book guides readers to use SimPowerSystems to create and investigate electrical systems, including those under development, more effectively.

ROMANCE ACTION & ADVENTURE MYSTERY & THRILLER BIOGRAPHIES & HISTORY CHILDREN'S YOUNG ADULT FANTASY HISTORICAL FICTION HORROR LITERARY FICTION NON-FICTION SCIENCE FICTION