

The book was found

# Modeling And Control Of Dynamic Systems



## Synopsis

Modeling and Control of Dynamic Systems teaches the basic concepts of control systems analysis and design. The book first focuses on understanding the basic building blocks of the dynamic systems surrounding us - electrical, fluid, mechanical, and thermal - and presents both traditional and modern tools for analyzing and predicting their behavior. Feedback control is presented so readers understand how to develop controllers to affect system behavior. MATLAB/Simulink is a powerful and easy-to-use software used in the text to troubleshoot, analyze and design dynamic systems.

## Book Information

Paperback: 560 pages

Publisher: Cengage Learning; 1 edition (December 16, 2004)

Language: English

ISBN-10: 1401847609

ISBN-13: 978-1401847609

Product Dimensions: 1 x 7.2 x 9 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars See all reviews (2 customer reviews)

Best Sellers Rank: #1,787,929 in Books (See Top 100 in Books) #119 in Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > Control Systems #476 in Books > Textbooks > Engineering > Electrical & Electronic Engineering #872 in Books > Computers & Technology > Computer Science > Robotics

## Customer Reviews

If you are interested in dynamic systems with applications in all branches of engineering, this is the book for you. This text begins with an introduction to control systems, presents a practical review of mathematical concepts applicable to dynamic systems, MATLAB examples and modeling with Simulink, and detailed analysis and design of continuous and digital control systems. Contains many practical examples with detailed explanations and solutions.

The book arrived within 3-4 days and it was packed very neatly and the book was in a very good condition. Though I purchased a used book it looks and smells :- ) brand new too...Overall, I am very satisfied with the purchase...

[Download to continue reading...](#)

Modeling and Control of Discrete-event Dynamic Systems: with Petri Nets and Other Tools (Advanced Textbooks in Control and Signal Processing) Dynamic Modeling and Control of Engineering Systems (2nd Edition) Modeling and Control of Dynamic Systems Dynamic Systems: Modeling, Simulation, and Control Dynamic Programming and Optimal Control, Vol. II, 4th Edition: Approximate Dynamic Programming Introduction to the Numerical Modeling of Groundwater and Geothermal Systems: Fundamentals of Mass, Energy and Solute Transport in Poroelastic Rocks (Multiphysics Modeling) Geochemical Modeling of Groundwater, Vadose and Geothermal Systems (Multiphysics Modeling) Bayesian Signal Processing: Classical, Modern and Particle Filtering Methods (Adaptive and Cognitive Dynamic Systems: Signal Processing, Learning, Communications and Control) Nonlinear Power Flow Control Design: Utilizing Exergy, Entropy, Static and Dynamic Stability, and Lyapunov Analysis (Understanding Complex Systems) Feedback Control of Dynamic Systems (7th Edition) Digital Control of Dynamic Systems (3rd Edition) Power Electronic Converters Modeling and Control: with Case Studies (Advanced Textbooks in Control and Signal Processing) Time Series Modeling for Analysis and Control: Advanced Autopilot and Monitoring Systems (SpringerBriefs in Statistics / JSS Research Series in Statistics) Signaling at the Cell Surface in the Circulatory and Ventilatory Systems (Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems, Vol. 3) Student Solutions Manual for Differential Equations: Computing and Modeling and Differential Equations and Boundary Value Problems: Computing and Modeling Mathematical Modeling of Collective Behavior in Socio-Economic and Life Sciences (Modeling and Simulation in Science, Engineering and Technology) Microsoft Excel 2013 Data Analysis and Business Modeling: Data Analysis and Business Modeling (Introducing) 3D Modeling For Beginners: Learn everything you need to know about 3D Modeling! NLP: Neuro Linguistic Programming: Re-program your control over emotions and behavior, Mind Control - 3rd Edition (Hypnosis, Meditation, Zen, Self-Hypnosis, Mind Control, CBT) Dynamic Programming and Optimal Control (2 Vol Set)

[Dmca](#)