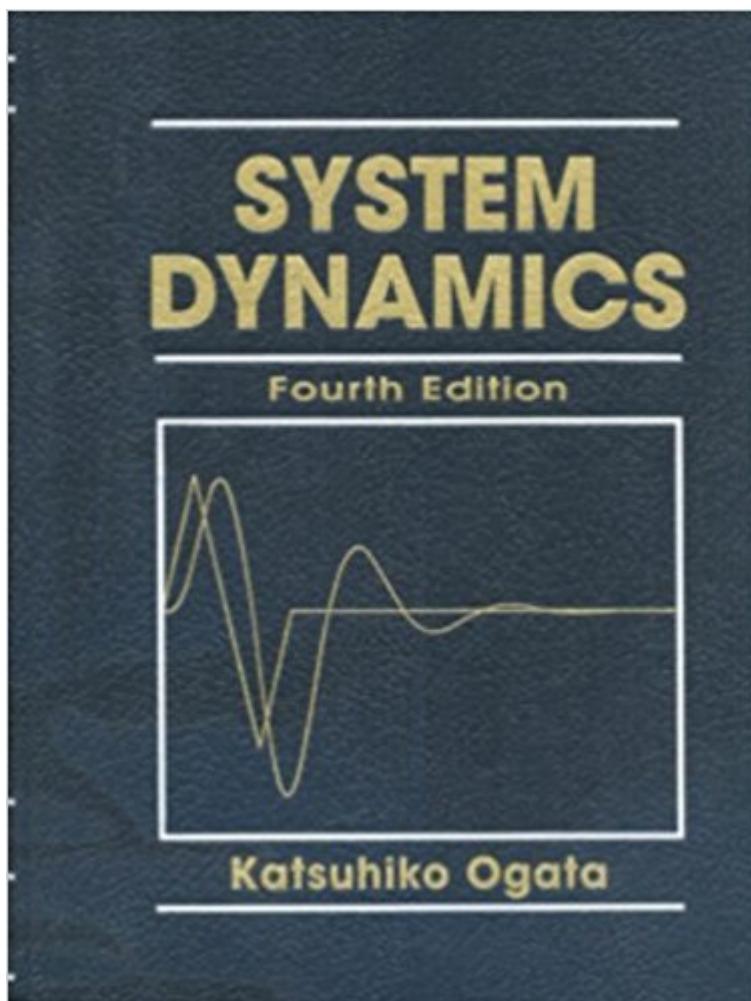


The book was found

System Dynamics (4th Edition)



Synopsis

This text presents the basic theory and practice of system dynamics. It introduces the modeling of dynamic systems and response analysis of these systems, with an introduction to the analysis and design of control systems. **KEY TOPICS** Specific chapter topics include The Laplace Transform, mechanical systems, transfer-function approach to modeling dynamic systems, state-space approach to modeling dynamic systems, electrical systems and electro-mechanical systems, fluid systems and thermal systems, time domain analyses of dynamic systems, frequency domain analyses of dynamic systems, time domain analyses of control systems, and frequency domain analyses and design of control systems. For mechanical and aerospace engineers.

Book Information

Hardcover: 784 pages

Publisher: Pearson; 4 edition (August 23, 2003)

Language: English

ISBN-10: 0131424629

ISBN-13: 978-0131424623

Product Dimensions: 7.1 x 1.3 x 9.4 inches

Shipping Weight: 2.7 pounds (View shipping rates and policies)

Average Customer Review: 4.1 out of 5 stars 36 customer reviews

Best Sellers Rank: #34,050 in Books (See Top 100 in Books) #3 in Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Industrial Technology #15 in Books > Textbooks > Engineering > Aeronautical Engineering #48 in Books > Engineering & Transportation > Engineering > Aerospace

Customer Reviews

This comprehensive examination of the analysis and design of linear systems provides extensive coverage of both mechanical and electrical systems, and includes analyses of pneumatic systems, hydraulic systems, thermal systems, and water-tank systems. --This text refers to an out of print or unavailable edition of this title.

This text presents the basic theory and practice of system dynamics. It introduces the modeling of dynamic systems and response analysis of these systems, with an introduction to the analysis and design of control systems. Specific chapter topics include The Laplace Transform, mechanical systems, transfer-function approach to modeling dynamic systems, state-space approach to

modeling dynamic systems, electrical systems and electro-mechanical systems, fluid systems and thermal systems, time domain analyses of dynamic systems, frequency domain analyses of dynamic systems, time domain analyses of control systems, and frequency domain analyses and design of control systems. For mechanical and aerospace engineers.

As my professor said, this is a classic book that's been used for a while. It really shows in the sense that it covers everything you really need. It gives a ton of examples, walkthroughs of problems, and even more practice problems to challenge your understanding. It's the go-to book for understanding Dynamic Systems and modeling in my opinion.

Excellent book.

Just what was required.

Best System Dynamics book I have ever encountered. I would recommend it and it is full of great stuff and because it is old some of the wording makes me smile. "An impulsive force whose strength is unity." :)

Good price. Received as expected.

It proved information I needed to get a grasp about System Dynamics. It was nice that there were also solved problems for each chapter.

Very useful book for spring damper modeling,

good

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

System Dynamics (4th Edition) Glencoe Biology: The Dynamics of Life, Reinforcement and Study Guide, Student Edition (BIOLOGY DYNAMICS OF LIFE) Tunneling Dynamics in Open Ultracold Bosonic Systems: Numerically Exact Dynamics â “ Analytical Models â “ Control Schemes (Springer Theses) Dynamics of Structures (4th Edition) (Prentice-Hall International Series in Civil Engineering and Engineering Mechanics) Classical Dynamics of Particles and Systems, 4th Edition System Dynamics System Dynamics and Response Dynamics of the Vascular System (Series on

Bioengineering & Biomedical Engineering - Vol. 1) Power System Dynamics and Stability System Dynamics: Modeling, Simulation, and Control of Mechatronic Systems System Dynamics: Modeling and Simulation of Mechatronic Systems System Dynamics: An Introduction Dynamics of Trial Practice: Problems and Materials, 4th (Coursebook) Christian Ethics: A Case Method Approach 4th Edition (New Edition (2nd & Subsequent) / 4th Ed. /) Ichimoku Heikin Ashi Trading System Second Edition: Guide to a Deadly accurate Trading System Assessment, Evaluation, and Programming System for Infants and Children (AEPSÂ®), Second Edition, Curriculum for Three to Six Years (AEPS: Assessment, Evalutaion, and Programming System (Unnumbered)) Beyond Initial Response--2Nd Edition: Using The National Incident Management System Incident Command System Basic Immunology Updated Edition: Functions and Disorders of the Immune System With STUDENT CONSULT Online Access, 3e (Basic Immunology: Functions and Disorders of the Immune System) Griffabelle fÃ¼r Klarinette Deutsches System [Fingering Charts for Clarinet -- Oehler System]: German / English Language Edition, Chart The Immune System, 4th Edition

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)