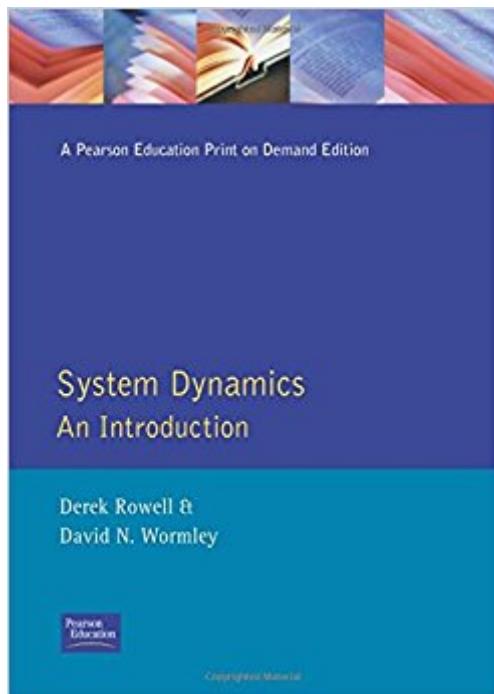


The book was found

# System Dynamics: An Introduction



## **Synopsis**

Rowell and Wormley use a linear graph approach. This contrasts with the bond graph approach or no graph approach. This is the first modern linear graph System Dynamics that has been published in 30 years. Chapters are organized so that introductory material is presented first, with more advanced topics coming later. Contains exceptionally clear presentation of Frequency response. Features detailed development of the construction of lumped-parameter system models from sets of primitive elements; and modeling techniques are presented using an energy based state-space formulation method that provides linkages to classical system representations.

## **Book Information**

Paperback: 592 pages

Publisher: Pearson; 1 edition (October 10, 1996)

Language: English

ISBN-10: 0132108089

ISBN-13: 978-0132108089

Product Dimensions: 7 x 1.4 x 8.9 inches

Shipping Weight: 2.1 pounds (View shipping rates and policies)

Average Customer Review: 3.4 out of 5 stars 4 customer reviews

Best Sellers Rank: #264,037 in Books (See Top 100 in Books) #54 in Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Industrial Technology #160 in Books > Computers & Technology > Computer Science > Systems Analysis & Design #184 in Books > Textbooks > Engineering > Industrial Engineering

## **Customer Reviews**

Rowell and Wormley use a linear graph approach. This contrasts with the bond graph approach or no graph approach. This is the important qualifying question for this text. This is the first modern linear graph System Dynamics that has been published in 30 years.

Rowell and Wormley use a linear graph approach. This contrasts with the bond graph approach or no graph approach. This is the first modern linear graph System Dynamics that has been published in 30 years. Chapters are organized so that introductory material is presented first, with more advanced topics coming later. Contains exceptionally clear presentation of Frequency response. Features detailed development of the construction of lumped-parameter system models from sets of primitive elements; and modeling techniques are presented using an energy based state-space

formulation method that provides linkages to classical system representations.

This textbook is very unclear about how to apply the concepts presented. General formulas are either not provided or are very difficult to locate. The provided examples are hard to follow and leave out several steps making them almost useless for learning how to apply the presented concepts. I would only recommend this book if you are forced to use it for a class.

A really great subject but the book is not very clear. Often times, my professor would say something like, "Your book says this, but don't do that. Instead, do it this way."

worked for school, hated actually reading it

A nice introductory text on system dynamics. The treatment of time-domain modeling and analysis is very good. Unfortunately, the treatment of the s-domain (laplace) approach is a little weak. Overall, good.

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

System Dynamics: An Introduction Tunneling Dynamics in Open Ultracold Bosonic Systems: Numerically Exact Dynamics â “ Analytical Models â “ Control Schemes (Springer Theses) Glencoe Biology: The Dynamics of Life, Reinforcement and Study Guide, Student Edition (BIOLOGY DYNAMICS OF LIFE) System Dynamics System Dynamics (4th Edition) 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 Introduction to Physical Gas Dynamics Introduction to Space Dynamics (Dover Books on Aeronautical Engineering) Introduction to Thermal Sciences: Thermodynamics, Fluid Dynamics, Heat Transfer An Introduction to Fluid Dynamics (Cambridge Mathematical Library) An Introduction to Fluid Dynamics: Principles of Analysis and Design Introduction to Structural Dynamics and Aeroelasticity (Cambridge Aerospace Series, Vol. 15) Structural Dynamics: An Introduction to Computer Methods Introduction to Structural Dynamics and Aeroelasticity (Cambridge Aerospace Series) Dynamics and Vibration: An Introduction Introduction to Structural Dynamics

Contact Us

DMCA

Privacy

FAQ & Help