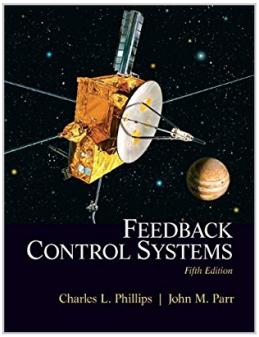

Feedback Control Systems (5th Edition)

By Charles L. Phillips, John Parr

Feedback Control Systems (5th Edition) By Charles L. Phillips, John Parr

Feedback Control Systems, 5/e

This text offers a thorough analysis of the principles of classical and modern feedback control. Organizing topic coverage into three sections—linear analog control systems, linear digital control systems, and nonlinear analog control systems—helps students understand the difference between mathematical models and the physical systems that the models represent.

Feedback Control Systems (5th Edition)

By Charles L. Phillips, John Parr

Feedback Control Systems (5th Edition) By Charles L. Phillips, John Parr

Feedback Control Systems, 5/e

This text offers a thorough analysis of the principles of classical and modern feedback control. Organizing topic coverage into three sections—linear analog control systems, linear digital control systems, and nonlinear analog control systems—helps students understand the difference between mathematical models and the physical systems that the models represent.

Feedback Control Systems (5th Edition) By Charles L. Phillips, John Parr Bibliography

- Sales Rank: #1004142 in Books
- Published on: 2010-12-04
- Original language: English
- Number of items: 1
- Dimensions: 9.20" h x 1.30" w x 7.20" l, 2.50 pounds
- Binding: Hardcover
- 784 pages

Editorial Review

Review
"This book presents mathematically oriented classical control theory in a concise manner such that undergraduate students are not overwhelmed by the complexity of the materials. In each chapter, it is organized such that the more advanced material is placed toward the end of the chapter." — Jongeun Choi, Michigan State University

"This book is self-contained and ideal for teaching the classical control theory for junior- and senior-level undergraduate students." — Jongeun Choi, Michigan State University

"For those who are considering a career as a control systems engineer, I think this text is a great introduction to classical control system design." — John Schmitt, Oregon State University

"[The greatest strengths of this text are] The mathematical foundation provided for all of the concepts introduced. Almost all concepts presented in the text are supported by a mathematical derivation." — John Schmitt, Oregon State University

"I feel the text is very comprehensive and the updates with MATLAB are very good." — Satish S. Nair, University of Missouri

From the Publisher
Revised and edited for optimum clarity, this reputable text offers a thorough analysis of the principles of classical and modern feedback control. Organizing topic coverage into three sections--linear analog control systems, linear digital control systems, and nonlinear analog control systems--it strives to help students understand the difference between mathematical models and the physical systems that the models represent.

From the Back Cover

This book offers a thorough analysis of the principles of classical and modern feedback control. Organizing topic coverage into three sections—linear analog control systems, linear digital control systems, and nonlinear analog control systems—helps the reader understand the difference between mathematical models and the physical systems that the models represent.

FEATURES/BENEFITS

- NEW—**SIMULINK simulation program**—Illustrates feedback effects.
  - Helps demonstrate design examples and problems.
- NEW—**MATLAB's symbolic math** is employed to verify transforms and to solve differential equations directly.
- NEW—**Computer verification of results.**
  - Exposes users to a short MATLAB program when working almost all examples and problems.
- NEW—**Design procedures implemented in MATLAB m-files.**
- NEW—**Improved practical application examples.**

    - Allows the reader to better relate the mathematical developments to physical systems.
- **Chapter-end problems.**
    - Most chapter-end problems lead the reader through a second method of the solution, so that they can verify results.
- **Transfer-function and state-variable models.**
    - Familiarizes users with both models for the analysis and design of linear analog systems.
- **System stability discussion**—Along with the Routh-Hurwitz stability criterion.
- **Coverage of nonlinear system analysis methods.**
    - Emphasizes describing-function analysis, linearization, and the state-plane analysis.
- **Early coverage of expanded frequency-response design criteria.**
    - Helps explain closed-loop systems.
- **Digital Control Systems.**
    - Provides the reader with the basic principles of digital control.
- **Time-scaling differential equations section.**
- **Maximum text/course flexibility**—Places more advanced material toward the end of each chapter. Topics can be easily omitted, enabling instructors to tailor the book to meet their needs.

Users Review

From reader reviews:

Amber Weitz:

This book untitled Feedback Control Systems (5th Edition) to be one of several books in which best seller in this year, here is because when you read this reserve you can get a lot of benefit in it. You will easily to buy this specific book in the book retail store or you can order it via online. The publisher of the book sells the e-book too. It makes you easier to read this book, because you can read this book in your Touch screen phone. So there is no reason to you personally to past this book from your list.

Joan Cross:

Playing with family inside a park, coming to see the coastal world or hanging out with buddies is thing that usually you might have done when you have spare time, then why you don't try point that really opposite from that. Just one activity that make you not feeling tired but still relaxing, trilling like on roller coaster you are ride on and with addition info. Even you love Feedback Control Systems (5th Edition), you can enjoy both. It is great combination right, you still need to miss it? What kind of hang type is it? Oh come on its mind hangout guys. What? Still don't obtain it, oh come on its known as reading friends.

Clarence Hamm:

It is possible to spend your free time to learn this book this reserve. This Feedback Control Systems (5th Edition) is simple to create you can read it in the playground, in the beach, train and soon. If you did not include much space to bring typically the printed book, you can buy the particular e-book. It is make you quicker to read it. You can save the book in your smart phone. So there are a lot of benefits that you will get when one buys this book.

Maria Trussell:

Many people spending their time by playing outside using friends, fun activity along with family or just watching TV all day long. You can have new activity to spend your whole day by studying a book. Ugh, think reading a book can actually hard because you have to take the book everywhere? It okay you can have the e-book, taking everywhere you want in your Smartphone. Like Feedback Control Systems (5th Edition) which is obtaining the e-book version. So , why not try out this book? Let's view.

Read Feedback Control Systems (5th Edition) By Charles L. Phillips, John Parr for online ebook

Feedback Control Systems (5th Edition) By Charles L. Phillips, John Parr 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 Feedback Control Systems (5th Edition) By Charles L. Phillips, John Parr books to read online.

Online Feedback Control Systems (5th Edition) By Charles L. Phillips, John Parr ebook PDF download

Feedback Control Systems (5th Edition) By Charles L. Phillips, John Parr Doc

Feedback Control Systems (5th Edition) By Charles L. Phillips, John Parr Mobipocket

Feedback Control Systems (5th Edition) By Charles L. Phillips, John Parr EPub

U3KN1EF07QM: Feedback Control Systems (5th Edition) By Charles L. Phillips, John Parr