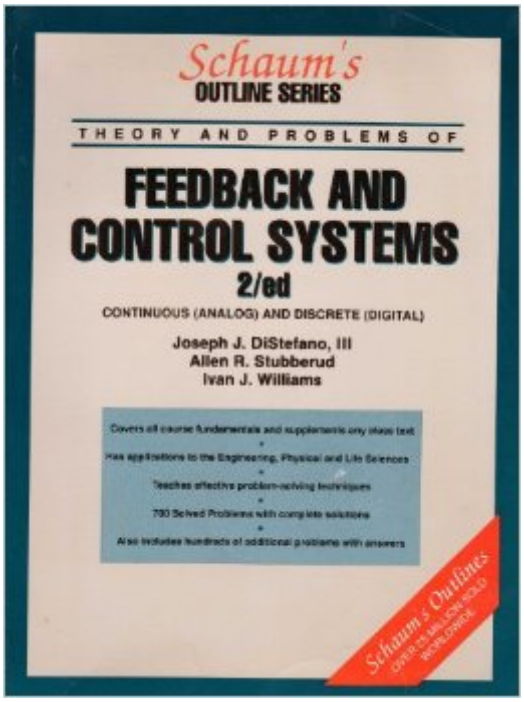
The book was found

Schaum's Outline Of Feedback And Control Systems



PDF
Adobe
DOWNLOAD EBOOK

Synopsis

The ideal review for your feedback and control systems course More than 40 million students have trusted Schaum's Outlines for their expert knowledge and helpful solved problems. Written by renowned experts in their respective fields, Schaum's Outlines cover everything from math to science, nursing to language. The main feature for all these books is the solved problems. Step-by-step, authors walk readers through coming up with solutions to exercises in their topic of choice. Outline format supplies a concise guide to the standard college course in feedback and control systems 700 solved problems Exercises to help you test your mastery of engineering mechanics Appropriate for the following courses: Bio-Control Systems, Robotics, Biomedical Engineering, Mechanical Engineering, Electronical Engineering Supports and supplements the bestselling textbooks in feedback and control systems Easy-to-follow review of feedback and control systems Book offers a concise, yet comprehensive, treatment of the fundamentals of feedback and control system theory and applications for engineers, physical, biological and behavioral scientists, economists, and mathematicians

Book Information

Series: Schaum's Outline Series

Paperback: 572 pages

Publisher: McGraw-Hill Education; 2 edition (April 22, 1990)

Language: English

ISBN-10: 0070170479

ISBN-13: 978-0070170476

Product Dimensions: 8.2 x 0.7 x 10.4 inches

Shipping Weight: 2 pounds

Average Customer Review: 4.0 out of 5 starsÂ Â See all reviewsÂ (27 customer reviews)

Best Sellers Rank: #2,190,225 in Books (See Top 100 in Books) #149 inÂ Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design > Control Systems #609 inÂ Books > Textbooks > Engineering > Electrical & Electronic Engineering #1031 inÂ Books > Computers & Technology > Computer Science > Robotics

Customer Reviews

I only bought this book after I went through undegraduate control and digital control classes. And after getting very fragmented knowledge of these disciplines, this book was very good in helping me sort it out. Yes, if you don't know a thing about control theory or don't have basic math background,

it probably is hard to grasp without any other sourses. But if you have some basic understanding of the subject, then it is a very good review and reference for the classical control theory. I used this book for review before taking a PhD preliminary exam in controls, and it helped a lot. Now I am using it for the same reason for the job I just started. I like the way it describes digital control theory in parallel with the continuous-time controls, which is the best way to understand the discrete-time tools, instead of taking a whole other class starting from scratch. Constant examples to illustrate the theory are very good, so are the excersises. Mind you, this book doesn't go into details like some 800pp. volumes but it doesn't leave out anything important either. I highly recommend this book to undegrad and grad students, as well as a reference for the engineers.

I'm currently taking a Feedback Control Theory course at the undergrad level, and I think this book is an excellent exposition of classical control theory. Our text for the course is Feedback Control of Dynamic Systems, written by people from Stanford. Schaum's Outline actually has more *theory* than the textbook we are using. It eliminates all of the frills and pretty colored diagrams in favor of exposing everything an undergraduate would have trouble with. And for those people who think the emphasis is only on problem solving, this "Outline" has more mathematical proof than the book from Stanford I just mentioned! I highly recommend using this book to get off on the right foot in control systems, whether you are an engineer just learning the material or an undergraduate; it solidifies the foundations of the theory so that practical problems will come more easily. Also, it is a practical book as well.

Dear fellow readers: I recently read Schaum's outline of feedback and control systems. This book was recommended to me as a text that will give me a clear understanding of control systems. I am sorry to say that this book did not meet my original expectations. The basic concepts are very well illustrated in the first two chapters, but then it dives into explaining the mathematics of control systems (differential equations, z-transform etc.). They're simply too much emphasis of the vocabulary, which is down right confusing. The book also fails to give a clear picture of how different design methods (e.g. Root-Locus) can be employed in a real situation. It is my recommendation that this book should not be the only source of information, and must be used in junction with another control book. This statement holds true especially for university students. In a positive note, there are many examples that can help the reader gain insightful knowledge in this subject, and it also does a good job giving an overall picture of how different concepts relate to each other. These alone are good enough reasons to have a look at this book when studying control systems.

This is one of my favorite books. Once you have the basic theory behind you this book shows you the techniques to quickly simplify control blocks (You want to be able to solve questions more than one way to check yourself) . I just keep this book handy and have alots of added notes for specific control models. It helps round out other books in the end i found this book by itself with some photo copies from other texts was enough for me. There are alot good text books for control theory. I prefer ones with matlab / simulink exercises. The text Ogata is a famous quality standard univeristy text worldwide which has plenty of exercise/ solutions.(I like that style of text).

This book is an improvement over the previous edition because analog and digital systems are covered at the same time. There are tried and true methods, like bode plots for simplicity, but you'll find the Nyquist and root locus coverage complete too. The price is a bargain.

This is a very helpful text. It provides an excellent treatment of the analytic principles and practices of automatic control systemsanalysis, design, and synthesis. I am very pleased.

The book is good. It covers most Control sys concepts. However, the chapters on Nyquist, Bode, and Root Locus are a little convoluded. I have yet to find a Control Sys. book that covers these concepts well. Otherwise, a great reference for those taking a course, and contains a good number of workable problems and solutions.

It is a very practical book: well structured facing most important items in control engineering. It can be used very usefully to support finding solutions to many kind of problems you manage in control subjects

Download to continue reading...

Schaum's Outline of Feedback and Control Systems Schaum's Outline of Mathematical Handbook of Formulas and Tables, 3ed (Schaum's Outline Series) Schaum's Outline of Strength of Materials, Fifth Edition (Schaum's Outline Series) Schaum's Outline of Linear Algebra Fourth Edition (Schaum's Outline Series) Schaum's Outline of Basic Mathematics with Applications to Science and Technology, 2ed (Schaum's Outlines) Schaum's Outline of Fluid Mechanics and Hydraulics, 4th Edition (Schaum's Outlines) Schaum's Outline of Statics and Strength of Materials (Schaum's) Schaum's Outline of Advanced Mathematics for Engineers and Scientists (Schaum's Outlines) Schaum's Outline of Introduction to Probability and Statistics (Schaum's Outlines) Schaum's Outline

of Programming With Fortran 77 (Schaum's Outlines) Schaum's Outline of Strength of Materials, 6th Edition (Schaum's Outlines) Schaum's Outline of Introductory Surveying (Schaum's) Schaum's Outline of Basic Circuit Analysis, Second Edition (Schaum's Outlines) Schaum's Outline of Basic Electricity, Second Edition (Schaum's Outlines) Schaum's Outline of Optics (Schaum's Outlines) Schaum's Outline of Operations Research (Schaum's Outlines) Schaum's Outline of Geometry, 5th Edition: 665 Solved Problems + 25 Videos (Schaum's Outlines) Schaum's Outline of Fluid Dynamics (Schaum's) Schaum's Outline of Microbiology, Second Edition (Schaum's Outlines) Schaum's Outline of Logic, Second Edition (Schaum's Outlines)

Dmca