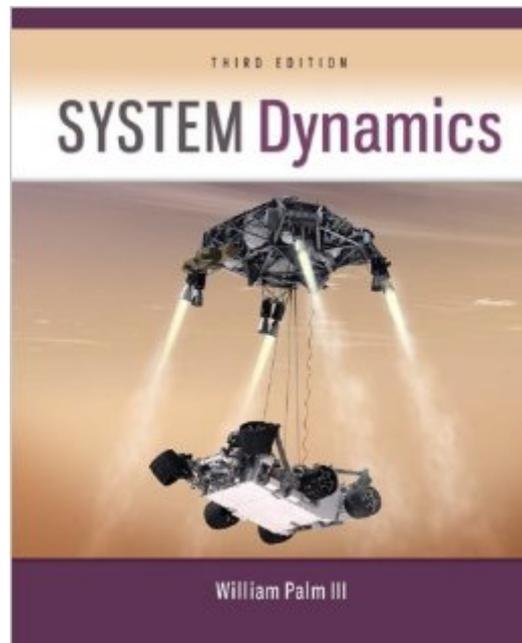# The book was found

System Dynamics

THIRD EDITION

SYSTEM Dynamics

William Palm III

Synopsis

System Dynamics includes the strongest treatment of computational software and system simulation of any available text, with its early introduction of MATLAB® and Simulink®. The text's extensive coverage also includes discussion of the root locus and frequency response plots, among other methods for assessing system behavior in the time and frequency domains, as well as topics such as function discovery, parameter estimation, and system identification techniques, motor performance evaluation, and system dynamics in everyday life. NEW! McGraw-Hill Education's Connect, will also be available as an optional, add on item - starting in June 2017. Connect is the only integrated learning system that empowers students by continuously adapting to deliver precisely what they need, when they need it, how they need it, so that class time is more effective. Connect allows the professor to assign homework, quizzes, and tests easily and automatically grades and records the scores of the student's work. Problems are randomized to prevent sharing of answers an may also have a "multi-step solution" which helps move the students' learning along if they experience difficulty.

Book Information

Hardcover: 928 pages

Publisher: McGraw-Hill Education; 3 edition (March 19, 2013)

Language: English

ISBN-10: 0073398063

ISBN-13: 978-0073398068

Product Dimensions: 8.5 x 12 inches

Shipping Weight: 4.2 pounds (View shipping rates and policies)

Average Customer Review: 3.2 out of 5 stars See all reviews (13 customer reviews)

Best Sellers Rank: #67,656 in Books (See Top 100 in Books)   #22 in Books > Textbooks > Engineering > Aeronautical Engineering   #46 in Books > Engineering & Transportation > Engineering > Materials & Material Science   #76 in Books > Textbooks > Engineering > Mechanical Engineering

Customer Reviews

Whoever did the editing for this book should be taken behind a building and beaten. I haven't found an equation referenced in the text yet that actually referenced the correct equation (some of them don't even exist), which makes it awesome to understand what the author is actually explaining. Phrases such as "done in the usual method" are incredibly helpful when there are multiple methods

of solving a problem

I have mixed feelings about this book because I learned so much from it but it has so many flaws. The explanation of block diagrams is short and really bad, Chapter 6 & 7 is very bad as well. They don't explain how they do the problems so unless you mastered circuits, dynamics, thermal fluids,etc... It will be hard to relearned the material in there.Also one problem with this book is the quality of it the pages are super thing and cheaply printed. In addition, the binding is really bad from factory a lot of the students in my class had the same issue.

Pros: -This book has a good selection of unsolved problems. -This book also doubles as a great non drug based sleep remedy.Cons: -Worked examples are too simple compared to unsolved problems. -The sections that are supposed to teach you are only useful to someone who is already well versed in dynamics. -The content in this 3rd edition is 99% the same as in the 2nd edition. -For how expensive it is you would expect it to come with a full version of MATLAB. -The pages are printed on some really cheap paper that will almost definitely tear if you decide to turn the page.

This text requires MatLab, not very practical. The author FAILS in elaborating and setting up the example problems. For example in the Laplace Transformation, Integration by parts is obvious, he fails to shown further derivation although it is fairly obvious for some students calculus can be difficult but with shown steps students can learn as they go through the text. My professor did not teach and should be fired regardless of tenure so many students had to learn it by themselves. This was the only text for the course and I honestly couldn't find another text of system dynamics that I could get a hold of quickly enough to master the material. In my opinion this book is a great resources if MatLab is available wherever you may be whether it's in higher education or in the field. Therefore to sum this rant, this text is good if used with MatLab but FAILS if you haven't brushed up with mathematics and are trying to learn it on your own. Good luck and may the odds be ever in your favor.

Upon receiving this book in the mail, I immediately had great appreciation for the topic presented in it because of the cover showing the Mars Curiosity Rover. Too cool! Now I know you're not supposed to judge a book by it's cover, but I did! The author's explanations of dynamic systems and solutions are not great. The author uses very bureaucratic language with poorly phrased sentences, hence the language does not assist the reader in understanding, nor carry the reader through a

progression of thoughts that are easy to follow. Nonetheless, this is not surprising for mathematical and engineering texts because most lack a fundamental ability to convey concepts in a way that is engaging to the reader. The examples and problem sets are quite good.

School book used for Mechanical Engineering course at Marquette University. Text books should not be so expensive.

I love this book. As an instructor of System Dynamic course I highly recommend this text book to everyone.

System Dynamics (4th Edition) System Dynamics (3rd Edition) System Dynamics The Uruk World System: The Dynamics of Expansion of Early Mesopotamian Civilization, Second Edition System Analysis & Design with Case Studies: start system presentation System Performance Tuning, 2nd Edition (O'Reilly System Administration) ARM System Developer's Guide: Designing and Optimizing System Software (The Morgan Kaufmann Series in Computer Architecture and Design) Linux: Linux Guide for Beginners: Command Line, System and Operation (Linux Guide, Linux System, Beginners Operation Guide, Learn Linux Step-by-Step) How to Build a Computer: Learn How to Build Your Own Computer From Scratch. The Parts, Connecting Everything Together, Installation and more (PC, Windows, Gaming System, Media System, Linux) Linux: Linux Mastery. The Ultimate Linux Operating System and Command Line Mastery (Operating System, Linux) UNIX in a Nutshell: System V Edition: A Desktop Quick Reference for System V Release 4 and Solaris 2.0 (In a Nutshell (O'Reilly)) Solaris 10 System Administration Essentials (Oracle Solaris System Administration Series) The Nutri Ninja Master Prep Blender Whole Food Cookbook: 101 Delicious Soups, Spreads, Entrees, Desserts & Cocktails For Your Ninja Pro, Kitchen System ... and Ninja Kitchen System Cookbooks Book 2) System Center 2012 R2 Configuration Manager Unleashed: Supplement to System Center 2012 Configuration Manager (SCCM) Unleashed Aquaponics: A Beginner's Guide to Create Your Own Amazing Aquaponic System (Aquaponics, Gardening, Hydroponics, Fish, System) Apple's Homekit Smart Home Automation System Handbook: Discover How to Build Your Own Smart Home Using Apple's New HomeKit System (Smart Home Automation Essential Guides Book 7) The LiceX Solutions System, Natural Lice Treatment Home System Apple Cider Vinegar: Miracle Health System (Bragg Apple Cider Vinegar Miracle Health System: With the Bragg Healthy Lifestyle) Bell Telephone System Technical Publications (Volume 43) September 1964 Part 2 of 2 Parts (No. 1 ESS Switching System) Bell System Practices: 6A Key Telephone

System.