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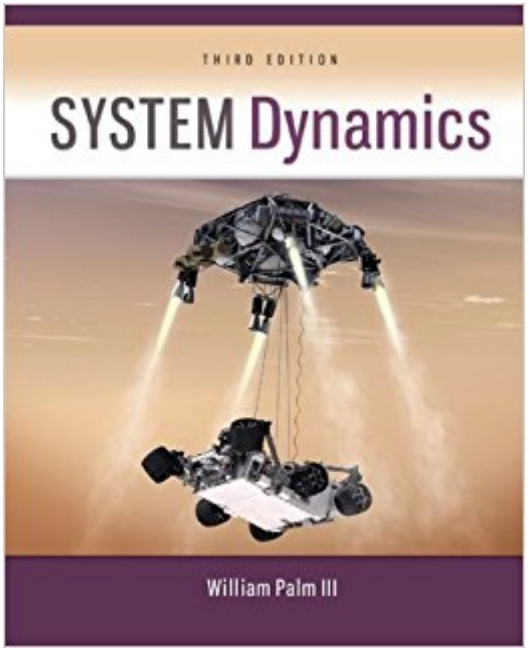
System Dynamics



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Synopsis

System Dynamics includes the strongest treatment of computational software and system simulation of any available text, with its early introduction of MATLABÂ® and SimulinkÂ®. 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

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Customer Reviews

William J. Palm IIIÂ a Professor of Mechanical Engineering and Applied MechanicsÂ at theÂ University of Rhode Island, he helped develop an educational program of introduction to engineering based on MATLAB.Â He is the author of several books, including the System dynamics, published by McGraw-Hill and Modeling, Analysis, and Control of Dynamic Systems and

Mechanical Vibration, both published byÂ John Wiley.

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.

Thought I was getting the book cover in the photo. Received the international edition. No big difference between content, but was a little disappointed when I opened the package.

This book has a lot of useful examples, but often there are numerical errors which lead to many inaccurate results.

Binding was not in great shape

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.

Book is sort of helpful. All I used it for was the data in the front and rear cover.

perfect conditions, great book for a reasonable price

This is a great book for an interesting, yet difficult class.

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