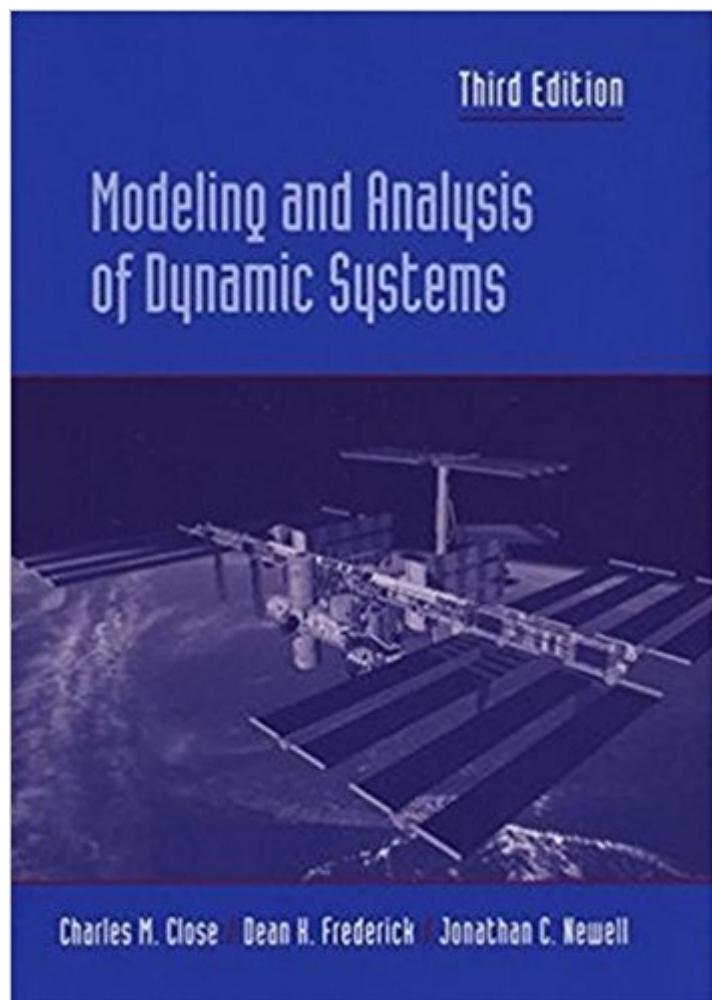


The book was found

Modeling And Analysis Of Dynamic Systems



Synopsis

The book presents the methodology applicable to the modeling and analysis of a variety of dynamic systems, regardless of their physical origin. It includes detailed modeling of mechanical, electrical, electro-mechanical, thermal, and fluid systems. Models are developed in the form of state-variable equations, input-output differential equations, transfer functions, and block diagrams. The Laplace-transform is used for analytical solutions. Computer solutions are based on MATLAB and Simulink.

Book Information

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Customer Reviews

I had to buy this book for my last semester in electrical engineering. It is a good choice as an introduction to mathematical tools used in representation and analysis of dynamic systems, electrical or mechanical. First, there are a few chapters about basic notions of dynamic (translational and rotational). You can pass this part quickly if you had a few mechanic classes, because it is just to show the good way to represent systems in modeling. Next, a good explanation of state variable modeling, transfert function, linear vs non linear equations, etc, is well written, with good examples, without too advanced maths. If you have learned basic notions in calculus and linear algebra, you can follow the text pretty easily.

I'm not surprised that this book scores highly (and will continue to). "Dr. Charles M. Close" was a professor of mine at Rensselaer Polytechnic Institute; and while in other course too, we also used

his books. His drive for perfection in writing, instruction, and presentation of critical subject matter is unparalleled anywhere. You simply "get it" with him. His writing and presentation style, in fact, profoundly moulded the way I approached authoring of technical documents. University faculty and students alike will learn a ton from this and other of his books. This is true! Enjoy.

I have just give a glance to it, but it seems a very good book, with lots of examples and covering an introductory course of System modeling

Perfect. Way cheaper than the book sold at my school just because it doesn't have a hard cover . .

For those who wanna improve their knowledges in modeling, this book will bring you the necessary.

Didn't need the book for my class. Was done all off power point. Tough material.

Great job, great product. Thanks.

Great product and service, thanks

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