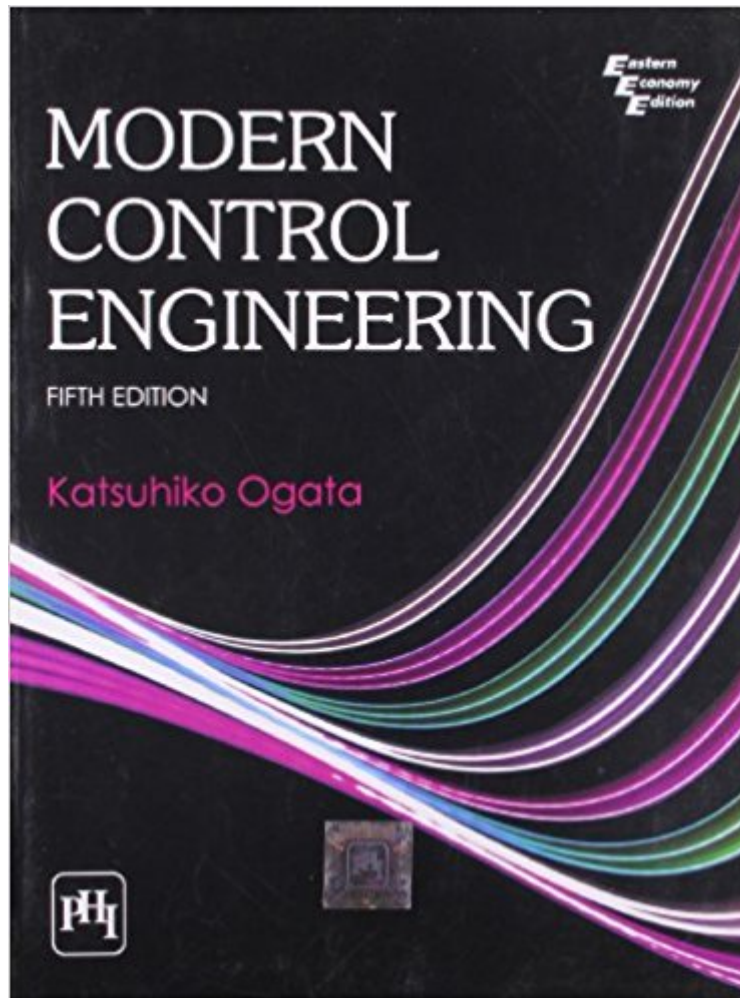




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Modern Control Engineering



Synopsis

This text is designed for the undergraduate students of electrical, mechanical, or chemical engineering for a course in control systems. It is a comprehensive treatment of the analysis and design of continuous-time control systems. The basic concepts involved are emphasized and all the material has been organized towards a gradual development of control theory. Throughout the book, computational problems are solved with matlab. The text features an abundance of examples and solved problems that help the student gain a basic understanding of system behaviour and control.

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Customer Reviews

This text is designed for the undergraduate students of electrical, mechanical, or chemical engineering for a course in control systems. It is a comprehensive treatment of the analysis and design of continuous-time control systems. The basic concepts involved are emphasized and all the material has been organized towards a gradual development of control theory. Throughout the book, computational problems are solved with matlab. The text features an abundance of examples and solved problems that help the student gain a basic understanding of system behaviour and control.

Provides problems that aid in learning material. Written material sometimes not in depth enough but otherwise adequate. I would suggest using MATLAB examples on your own in order to gain a boost in learning material.

It is a good book, it covers most on linear theory in a clear way, but with a lack of organization of content.

This book holds its own among other continuous controls books. Problem sets and examples are very helpful to discover the more difficult problems of control engineering.

great book

Great book but lacks application problems. I am told this book is more for an indepth analysis of topics already learned from other courses with the addition of Observers, state observer feedback, Intro to the use of Kalman filters, state variable feedback, and optimization. The optimization section could be better but if you have a great teacher its a good reference. I had used this book as an undergrad and told its a reference for grad students.

excellent

I needed this for class. It was good for the class but it can definitely put you to sleep.

This is a very easy to read textbook that gives a great introduction to classical and modern control theory. The text covers PID and Lead-Lag in both root-locus and bode plot design, nyquist plots, stability, state-space, optimal and LQR control, as well as some robust control. Good beginner textbook for controls

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