

Synopsis

Marrying an academic examination on control system technology with a reference that practicing engineers and technicians can include in their personal libraries, this carefully balanced study covers the terminology, concepts, principles, procedures, and computations used by engineers and technicians to analyze, select, specify, design, and maintain control systems. An accompanying diskette provides computer programs that emulate proven graphical design methods of analysis and design. Basic concepts and terminology, measurement, manipulation, analysis and design. For engineers and technicians interested in a comprehensive addition to their libraries.

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Customer Reviews

In this text, Bateson provides both a textbook on control system technology and a reference that practicing engineers and technicians can include in their personal libraries. Coverage includes the terminology, concepts, principles, procedures and computations used by engineers and technicians to analyze, select, specify, design and maintain control systems. The Fifth Edition strikes the perfect balance of breadth and depth, adapting and enhancing coverage to aid in accessibility and comprehension. --This text refers to an out of print or unavailable edition of this title.

Introduction to Control System Technology, Seventh Edition, is both a textbook on control system technology and a valuable reference that engineers and technicians will want in their personal libraries. Outstanding features of this text include: A computer disk packaged with the text

includes a graphical design program that emulates the classical Bode design method. Using this program, the designer can observe how each control mode changes the shape of the open-loop frequency response of the system. By trying different PID control mode values, the designer can use a "design-by-trial" procedure to search for the best possible design. The use of analogies to develop common elements for modeling and analyzing electrical, fluid flow, thermal, or mechanical components helps students translate knowledge of one type of component to components of other types. End-of-chapter exercises challenge students with practical problems at various levels of difficulty. The exercises are grouped by section numbers with multiple simple problems to reinforce student learning, followed by more complex problems to generate interest in the subject.

bought it for work, cant comment on the book it was not for me, great customer service

This book is full of typos, explanations are sub par, and the homework problems will lazily mix and match previous problems making it very difficult to keep track of what problem you are actually working on.

Great book. Used it for a class. Got a B in the class.

Good book, Good Shape

Did the job for class

It was not the latest edition. The class is using the 7th, this was the 3rd. A lot of difference. That is why I returned it.

there's never any examples or explanations of how to solve anything and it constantly says "refer to some figure from 2 chapters ago."

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