Robust Industrial Control: Optimal Design Approach for Polynomial Systems (Prentice Hall International Series in Systems and Control Engineering)

By Michael J. Grimble

Robust Industrial Control: Optimal Design Approach for Polynomial Systems (Prentice Hall International Series in Systems and Control Engineering) By Michael J. Grimble

Provides an introduction to the design of industrial control systems using the polynomial systems design approach. The author demonstrates the value of a frequency domain approach to robust design using H-inf or LQG design and provides the results of polynomial systems theory for the design of industrial controllers and filters. Applications chapters provide a range of realistic industrial control design studies, and the book is accompanied by a disc that provides a MATLAB toolbox and PROGRAM CC macros that can be used to evaluate the case study examples.

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- Sales Rank: #7245846 in Books
- Published on: 1994-06
- Original language: English
- Number of items: 1
- Dimensions: 10.00" h x 7.50" w x 1.50" l,
- Binding: Hardcover
- 656 pages

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Editorial Review

From the Publisher
This is the first book to provide an introduction to the design of industrial control systems using the polynomial systems design approach--complete with detailed industrial case studies in a range of application areas.

From the Back Cover
This is the first book to provide an introduction to the design of industrial control systems using the polynomial systems design approach--complete with detailed industrial case studies in a range of application areas. Demonstrates the value of a frequency domain approach to robust design using H-infinity and LQG design approaches. MATLAB and PROGRAM CC software were used to generate most of the results presented and can be used to solve the accompanying problems that focus on real industrial applications. For researchers and engineers in industry interested in control engineering.

Users Review

From reader reviews:

Matthew McDaniel:

The ability that you get from Robust Industrial Control: Optimal Design Approach for Polynomial Systems (Prentice Hall International Series in Systems and Control Engineering) is a more deep you excavating the information that hide inside the words the more you get interested in reading it. It doesn't mean that this book is hard to be aware of but Robust Industrial Control: Optimal Design Approach for Polynomial Systems (Prentice Hall International Series in Systems and Control Engineering) giving you joy feeling of reading. The article author conveys their point in selected way that can be understood simply by anyone who read it because the author of this book is well-known enough. This book also makes your own vocabulary increase well. Making it easy to understand then can go together with you, both in printed or e-book style are available. We recommend you for having this kind of Robust Industrial Control: Optimal Design Approach for Polynomial Systems (Prentice Hall International Series in Systems and Control Engineering) instantly.

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