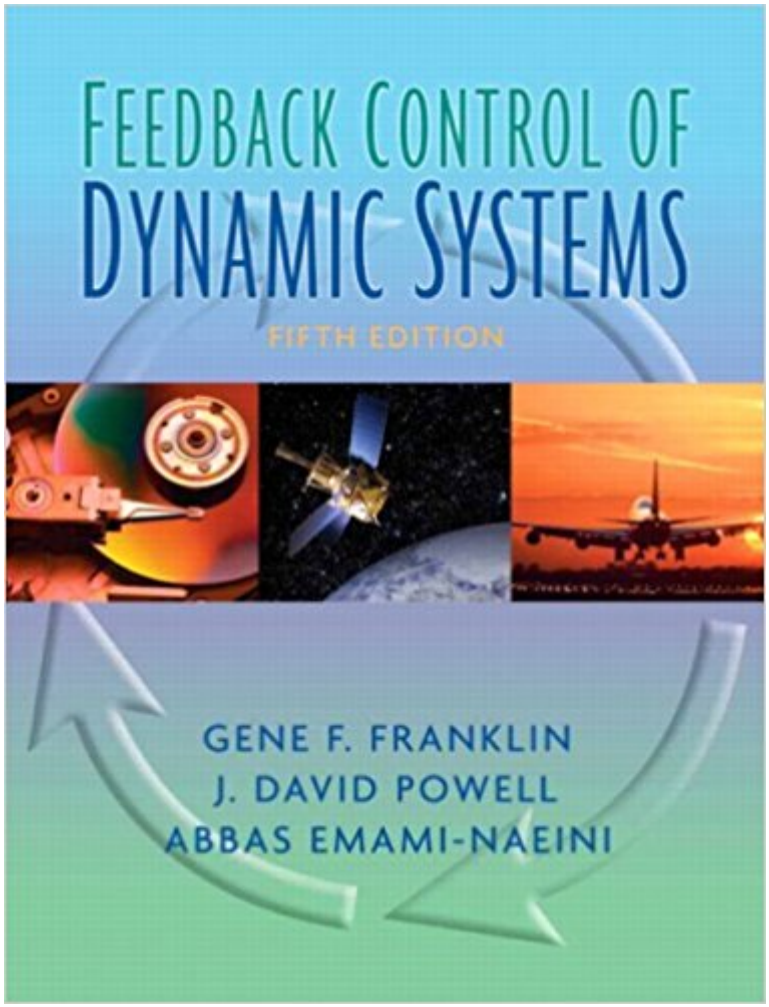
Feedback Control Of Dynamic Systems (5th Edition)



Synopsis

This introduction provides an in-depth, comprehensive treatment of a collection of classical and state-space approaches to control system design. It ties the methods together so that a designer is able to pick the method that best fits the problem at hand. Includes case studies and comprehensive examples with close integration of MATLAB throughout. Clearly marks problems to indicate which section they are drawn from for easier reference. Provides a logical presentation of a control engineerÃ¢â ¬â„¢s approach to key problems (such as rejection of disturbances, improvement in steady-state errors, and better dynamic response); compares the performance of the feedback structure to that of open-loop control. A useful reference for aerospace, mechanical, or electrical engineers who want to brush up on their skills in dynamic systems.

Book Information

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Customer Reviews

This and Ogata’s more popular book are "the ones" in Controls.My professor had the sixth edition in the syllabus but this one (5th) is almost identical in text.The only thing different I can notice is that the problems sets don’t match; you will have to look them up at the end of each chapter but the statement is just the same.

Without the State Space Control in this book, I couldn’t complete my Master thesis! Besides the knowledge, it instructs how to apply the formulas in Matlab! What a convinient and useful way for the learner! Highly recommended for beginner, too!

I received this book much better than described! Excellent!

The book (5/ed) has a poor and loose structure, and even with plenty of (vague) discussion, it fails at teaching. The material is at a high level (senior or preferably above actually), but that's not my problem with this book. Rather, my concern is the lack of clarity and ability to click with the reader, especially in the first seven or eigth chapters, where fundamentals are covered.There are excellent alternatives, though, on control systems, most notably N. Nise (currently in 5th ed.) and, to some extent, K. Ogata.

This book does a pretty good job explaining the material, and has several good examples to help you learn. Would recommend to anyone with a basic knowledge of control systems who wants to learn more.

Great job, great product. Thanks.

This is an excellent reference. My graduate-level aerospace control systems course is not taught directly out of the book -- in fact, we don't even have a required text -- but my professor swears by it. (Although there is some bias, since one of the authors was his professor when he was doing his graduate work!)It literally saved my grade come midterm time!

It is a good textbook about feedback control design. A lot of examples from the engineering world are useful for undergraduate students. It well written and easy to read.

Dynamic Systems) Show Networks and Control Systems: Formerly "Control Systems for Live Entertainment" Digital Control of Dynamic Systems (3rd Edition) Dynamic Systems: Modeling, Simulation, and Control Nonlinear Power Flow Control Design: Utilizing Exergy, Entropy, Static and Dynamic Stability, and Lyapunov Analysis (Understanding Complex Systems) Decoding The Hidden Market Rhythm - Part 1: Dynamic Cycles: A Dynamic Approach To Identify And Trade Cycles That Influence Financial Markets (WhenToTrade) Decoding The Hidden Market Rhythm - Part 1: Dynamic Cycles: A Dynamic Approach To Identify And Trade Cycles That Influence Financial Markets (WhenToTrade) (Volume 1) What NOT to Write: Real Essays, Real Scores, Real Feedback (California Edition) (LawTutors California Bar Exam Essay Books) NLP: Neuro Linguistic Programming: Re-program your control over emotions and behavior, Mind Control - 3rd Edition (Hypnosis, Meditation, Zen, Self-Hypnosis, Mind Control, CBT) Thanks for the Feedback, I Think (Best Me I Can Be!) The Lean Product Playbook: How to Innovate with Minimum Viable Products and Rapid Customer Feedback