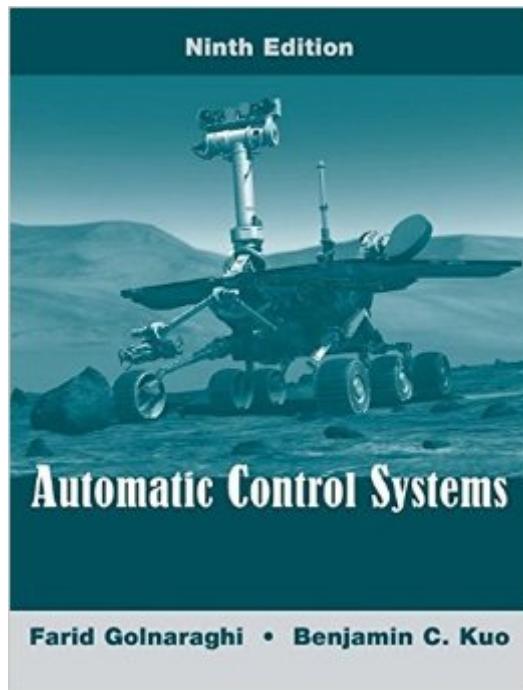


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# Automatic Control Systems



## **Synopsis**

Automatic Control Systems provides engineers with a fresh new controls book that places special emphasis on mechatronics. It follows a revolutionary approach by actually including a physical lab. In addition, readers will find authoritative coverage of modern design tools and examples. Current mechatronics applications build motivation to learn the material. Extensive use of virtual lab software is also integrated throughout the chapters. Engineers will gain a strong understand of control systems with the help of modern examples and exercises.

## **Book Information**

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## **Customer Reviews**

I was forced to use this book for a 400 level distance learning course. There are quite a few problems. First, the examples are fairly sparse and are not in the same form as the problems. That may not be an issue for a campus course where the lecture will clear things up, but for an online course the examples are critical. Second, the references to equations and figures seem to have been retained from an earlier version of the book and the equations and figures themselves have been changed. Since the text rarely repeats the equations (chapter 11 refers to an equation in chapter 5) finding the correct location must be done by trial and error. Finally, the review questions in each chapter often refer to material that has not been covered yet. I found myself often using the index to find things in later chapters just so I could answer the questions. If you are required to use this, especially for distance learning, I recommend getting a Schaum's guide to see more problems.

The only reason I am giving it 2 stars is because it has a lot of outstanding MATLAB examples and techniques.

I like the outline and flow of the book. However there are many errors. Its a real problem. 9th ed == bad

First off, let me say that I am an engineering student and have read many, many engineering textbooks. In my opinion, you will need to know the subject better than the author in order to navigate the numerous mathematical errors, leaps in logic, skipped steps, non-linear thinking, and lack of explanation. There are numerous places where he presents a subject by giving the problem and the graphed result, with no explanation of how one gets the graph (the very thing he is supposedly teaching). On subjects that I already learned from other classes / books, I still couldn't follow the author's discussion of the subject. He presents things in the most obscure, abstract way possible. He makes this subject much harder than it needs to be. If you get stuck with this book, buy a good supplement. Some books aren't good to learn the subject from originally, but make good reference or review books. This is NOT the case here. Out of all the books I've used in classes, this is the only one I will get rid of when the class is over. The author should be ashamed.

This has got to be the most error-riddled book that I've seen in my time at college. My professor has already had to email out almost 20 pages of errata for the first three chapters alone. For the ninth edition of a book, it really should be better proofed than that. Due to the quantity of errors, there's simply no way I can recommend this book to anyone who is trying to learn control systems. Save your money and go elsewhere.

This is a good, pretty thorough text for control systems, but its difficult to find what you're looking for if you're just briefly glancing through the chapters. Sections are not clearly distinguishable - lacking bold or different color text. It could also use more clearly marked examples.

This book would have received a 3 star review except for the fact that it has so many errors. In each chapter in the book I have counted at least 10 errors in the text (both syntactical and mathematical). A text past the first few editions should never have this many errors. Would not recommend for anyone learning feedback control systems.

This is a bad book on a difficult subject. You will need to find other sources to learn the material.

How it has gotten to a 9th edition surprises and saddens me.

It is very useful for senior student and professional

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