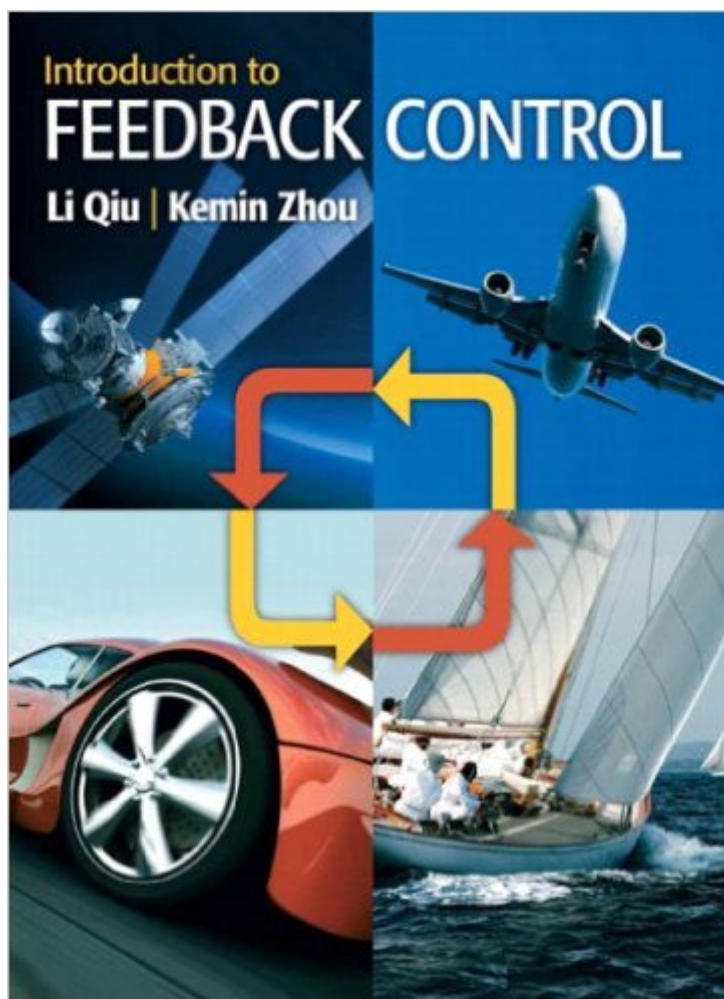# Introduction To Feedback Control

Synopsis

For undergraduate courses in control theory at the junior or senior level. Â Introduction to Feedback Control, First Edition updates classical control theory by integrating modern optimal and robust control theory using both classical and modern computational tools. This text is ideal for anyone looking for an up-to-date book on Feedback Control. Â Although there are many textbooks on this subject, authors Li Qiu and Kemin Zhou provide a contemporary view of control theory that includes the development of modern optimal and robust control theory over the past 30 years. A significant portion of well-known classical control theory is maintained, but with consideration of recent developments and available modern computational tools. Â

Book Information

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Customer Reviews

I am no control background, so this book is very suitable for me. I strongly recommend that people who has no control knowledge buy this book first and then begin your study. Thank you.

The book is written in 8 years by two authorative researchers in the field of optimal control theory. Although intended as an introductory, this textbook is mathematically sophisticated and self-contained, sometimes reaching to advanced topics. However, I consider it an important feature favoring readers with no engineering control background*.That being said, the book still provides within 400 or so pages lots of examples along with matlab codes which helps you to create a more intuitive understanding of key concepts. You will appreciate the appropriateness in the choice of

engineering examples and information provided. Another great feature of the book is that it provides a great up-to-date references to important articles and books which, in an ideal situation, should be read to improve the learning process. So this is a fivestar textbook which deserves to be read from page one to last.(*In my personal view, the way people learn control theory (or anything else) is a process of creating a simulation in their minds rather than on a computer. The more sophisticated mind is simply capable of handling more complex simulation...If you have lots of engineering experience, you have certainly seen how a control system actually works. Then you should have no problem creating a visual simulation in your mind. For those who has no engineering control background, mathematical simulation is the second best choice...Its safe to say most theoretical researchers in this field are more or less creating all sorts of simulations in their minds everyday, hoping that some of them will actually find an application...)

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