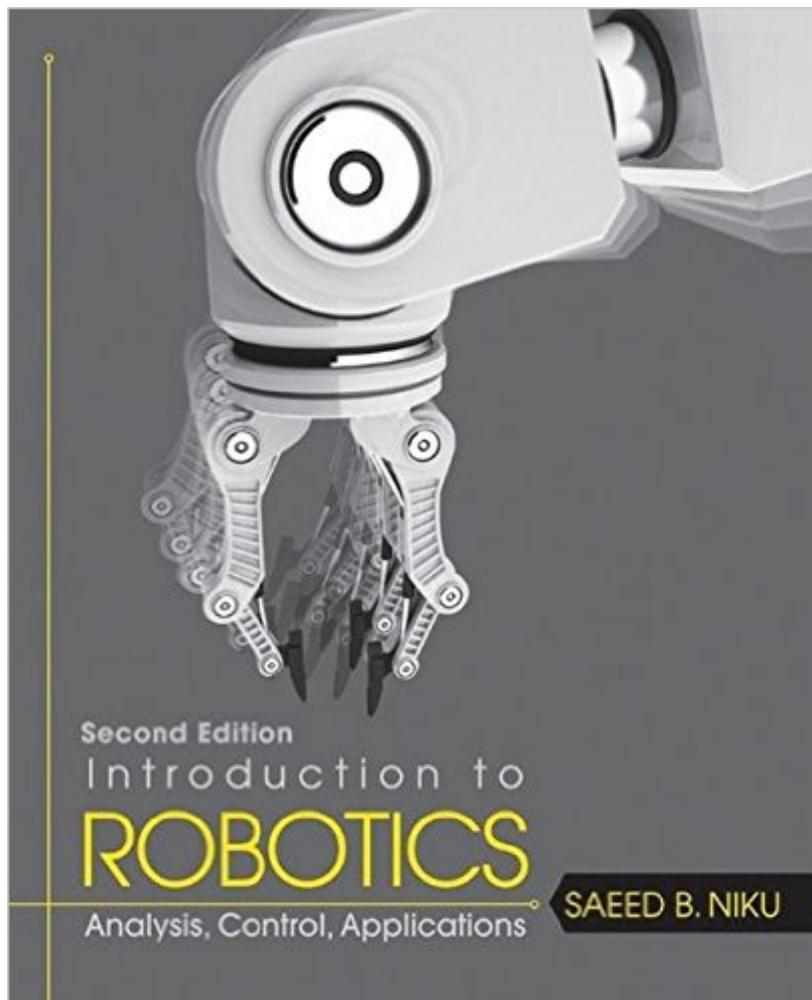


The book was found

Introduction To Robotics: Analysis, Control, Applications



Synopsis

Niku offers comprehensive, yet concise coverage of robotics that will appeal to engineers. Robotic applications are drawn from a wide variety of fields. Emphasis is placed on design along with analysis and modeling. Kinematics and dynamics are covered extensively in an accessible style. Vision systems are discussed in detail, which is a cutting-edge area in robotics. Engineers will also find a running design project that reinforces the concepts by having them apply what they've learned.

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Customer Reviews

I actually took the course from the professor who wrote the book so I got taught the same techniques that you're expected to use. A bit about the man: Dr. Niku is an old-school professor who was involved in the early days of robotics. He is not one to stay up with the times and taught the whole class from an overhead projector. (I know, right?) At times, the material seemed a bit outdated. For example, we were told that in practice, the position calculations are performed by the circuitry and cannot be corrected for the end-effector used, which I find hard to believe because the company I work for recently installed a 5 axis robotic welding center with a custom end torch and we are able to program it with the torch tip as the end. He is a good professor, who I enjoyed but I wonder if my class was a bit more of a history of robotics than a course in practical robotics. The book is a bit hard to understand at times and sometimes is unclear. Again, it helped me because I

could ask the man who wrote it. Don't expect to be able to teach yourself from the book, but I will probably be keeping it for reference. A nice thing about it is that is relatively small and lightweight, so that's good.

I used this text as a Computer Science grad student, and it was worthless. I'm reasonably skilled in linear algebra, but the examples and explanations in this book just seemed like nonsense. I had to spend a ton of time on khan academy, the course site from a UCLA professor, and with a tutor, just to do the problems in this book. Even the masters students in math said they couldn't make sense of this garbage book.

This book is a comprehensive one full of usefull and practical technical details and applications. Nice and good work and Thanks!

A good book that is easy to read and understand. The only difference between this book and other books is that the notation used is different than what everyone else uses and takes a little while to get used to. Other than that this is a good book.

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