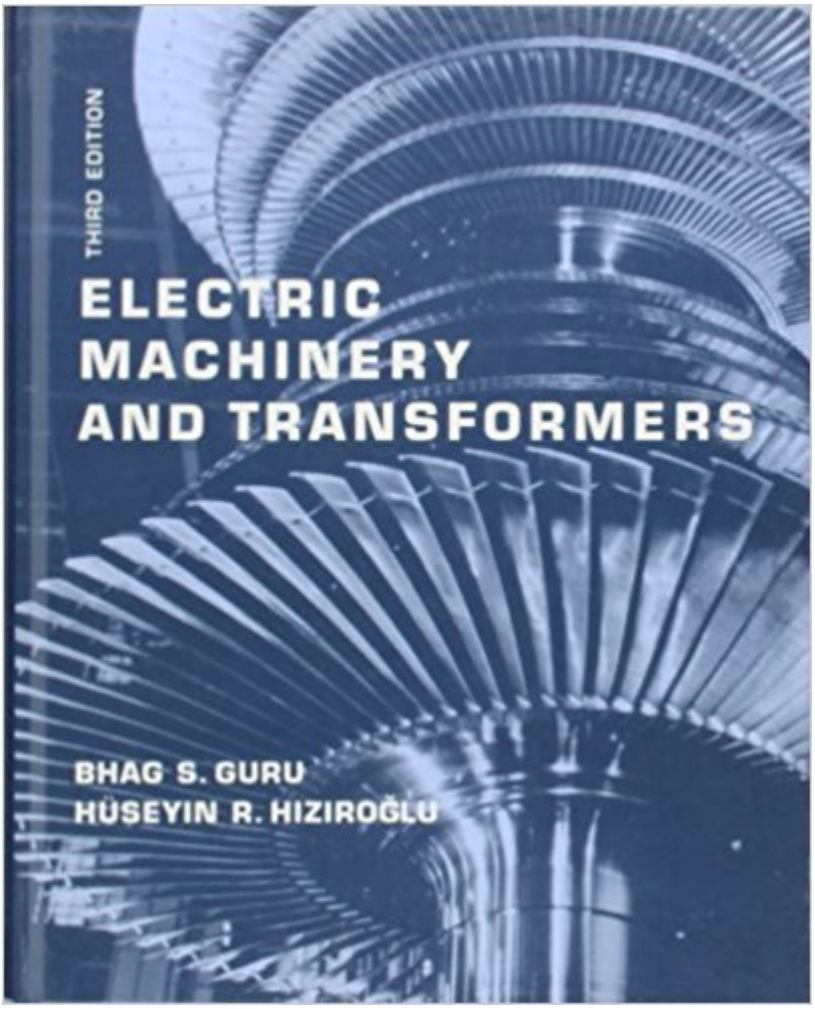
Electric Machinery And Transformers (The Oxford Series In Electrical And Computer Engineering)



Synopsis

Designed for junior- and senior-level courses in electromechanical energy conversion, Electric Machinery and Transformers, 3/e, continues the strong pedagogical tradition established by its successful previous editions. It begins with a review of the fundamentals of circuit theory and electromagnetics and then introduces the concept of electromechanical energy conversion. The text not only provides a systematic development of a model for each electric machine based upon established principles and basic laws, but also introduces students to applications and advanced topics. It also includes information on the construction of each electric machine. Electric Machinery and Transformers, 3/e, enhances student learning of the basic operating principles of electric machines by using numerous supporting examples, review questions, illustrations, exercises, and chapter summaries. It encourages intuitive reasoning for problem-solving over the rote memorization of equations and procedures. This third edition covers the following main topics: principles of electromechanical energy conversion; transformers; direct-current generators and motors; synchronous generators and motors; polyphase induction motors and single-phase motors; the dynamics of electric machines; and special-purpose machines.

Book Information

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Customer Reviews

"A well written book. The illustrations are excellent."--N.A. Anwah, Howard University"Well organized text, clear language, well chosen problems."--Zdzislaw Jan Bochynski, New York Institute

of Technology"An excellent reference....Easy to read, well written with pertinent examples. The review questions are good and enough problems are given."--Ronald D. Bowman, Clemson University --This text refers to an out of print or unavailable edition of this title.

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This book is an absolute and crazy mess. It can be so difficult to read and to solve the exercises. I really don’t understand what it is about this book that makes it so bad. Maybe it lacked a lot of information and examples demonstrating the ideas and how to apply the concepts. This was certainly not useful for my Electromechanical systems class.

very good book. I love it very much. Not like used book. pretty new. I will be back for another book in the future.

There are NO answers to any of the exercises. Not at the back of the book, no solution manual exists, not on cramster. In my opinion, that makes it almost useless, as there’s no way to know if you’re doing the work correctly.

This review applies to the 2nd edition.I’m not an electrical engineer; I bought this book to get a better understanding of how electromagnetic equipment operates. The book is very approachable in that it does not utilize advanced mathematics (understanding basic algebra, trig, and some calculus is sufficient to understand most of the book). A reader with a good understanding of electricity (including impedance in AC circuits) and magnetism can learn quite a bit about motors, generators, and transformers from this book. Don’t know how a professional engineer/educator would rate this book. If your main goal is better understandng of these types of devices, I’d highly recommend this book in used form - new is very expensive.

its a great book for review and learnIf you are a Eng. in this area you must have it

This book is absolute garbage. Outside of a few examples in each chapter, you are literally given nothing to assist you with any further questions. No answers, no solutions, and no outside sources such as Cramster to check your work with. I don’t know about other students, but I sure as hell learn by repetition, and this book will give you none of it. Do one slightly relevant example compared to

the exercises and hope for the best. You'll never know if you're right or wrong. Great way to learn!

This book is terrible. The writing is rather poor, making it difficult to understand. Additionally, not every equation is derived for you and as a result the summary will sometimes contain equations that were never derived. There are also relatively few examples, and they often skip steps. Finally, there is no solutions manual to this book readily available, making it utterly impossible to know if you're doing them right, much less check your answer.

I have tried to learn from this book, and can now only view it as a deliberate ploy to stop the creation of electric engineers. The jewinati use this very book to take any interest out of electrical engineering and convert us plebs to spend hundreds of thousands of dollars to get useless art degrees. I wanted to beat their system, i wanted to reclaim some of their jew gold, but their jew magic was too strong with this book. I've spent days searching the internet, and trying to solve problems that way, since this book is useless. They can give you a ton of problems, but without solutions, how am I going to know if i'm right? They want us to fail, so that only they, the upper elite, can hold all the money.... That's jew tactics 101. And it's the saddest thing i've ever seen.

Series in Electrical and Computer Engineering) Probabilistic Methods of Signal and System Analysis (The Oxford Series in Electrical and Computer Engineering) Analog Methods for Computer-Aided Circuit Analysis and Diagnosis (Electrical and Computer Engineering) Microelectronic Circuits (The Oxford Series in Electrical and Computer Engineering) 7th edition CMOS Analog Circuit Design (The Oxford Series in Electrical and Computer Engineering)