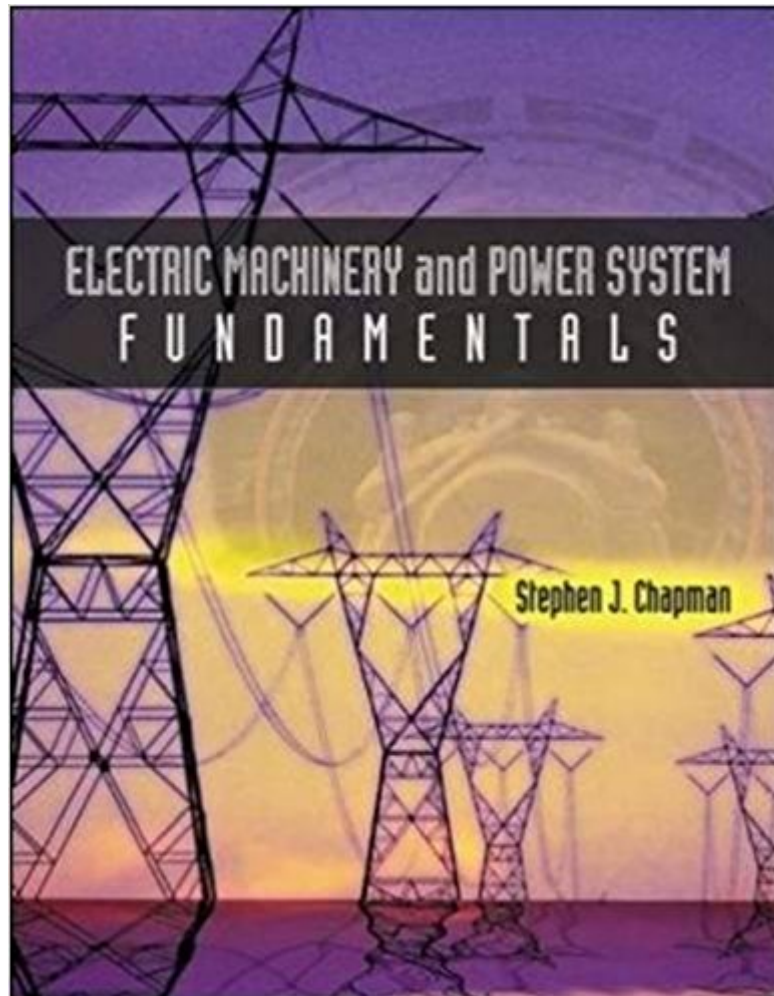




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Electric Machinery And Power System Fundamentals



Synopsis

Stephen J. Chapman is a leading author in the area of machines. He brings his expertise to the table again in An "Introduction to Electric Machinery and Power Systems." This text is designed to be used in a course that combines machinery and power systems into one semester. Chapman's new book is designed to be flexible and allow instructors to choose chapters "a la carte", so the instructor controls the emphasis. Chapman has written a book that gives students what they need to know to be real-world engineers. It focuses on principles and teaches students how to use information as opposed to do a lot of calculations that would rarely be done by a practicing engineer. He compresses the material by focusing on its essence, underlying principles. Matlab is used throughout the book in examples and problems.

Book Information

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Customer Reviews

I just got out of college with my electrical engineering degree and had to use this book for a class. With just this I was able to get an A in said class without ever attending. It breaks down the material very well and is written in a language that is easy to understand. Also contains a lot of matlab examples which help in coding classes and allow the student to see the effects of variable change. The only downfall I have seen is not enough examples. A lot of the power system material is based on wiring configuration (delta vs wye) and this book would only do examples for one which could get confusing. Other than that it was very beneficial to learning.

I like this book because it explains power systems in a clear, concise manner. It leaves out some analytical details about transformers, motors and power systems, but those are very, very minor details that can be picked up elsewhere and are not critical to overall understanding. I think there are other books as good or better than this, but what stands this book apart is the clear, concise explanation of the subject material it covers. Anyone who gets a basic education about motors and power systems from this book in school is well-prepared for industry. This is an excellent reference or intro to the fascinating world of motor and power analysis. I highly recommend this book.

This is one of the best-written engineering textbooks I have read as an engineering student. Writing is as easy-to-read without being too casual and covers just enough of the technical information. Examples are relevant to the text.

Very comprehensive and a great companion to a good intro course in power engineering.

This book seems to be written more for Technicians who don't need a well rounded understanding. As for an Electrical Engineering students, it does not provide enough information and it is missing well known techniques in understanding electrical machinery and power systems.

The book gets to the point on most of the chapters; however, it iterates some laws in chapter 1 on the first few pages that are not even seen again until chapter 4. The book has mistakes that I think are very important to address since this is dealing with a high voltage potential circuit. I would recommend this book, but if you do the homework and you can not figure out why your answer is different it's probably because they are wrong.

Good book

High quality print was worth the price (Save \$150.00 compare to the hard cover)

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