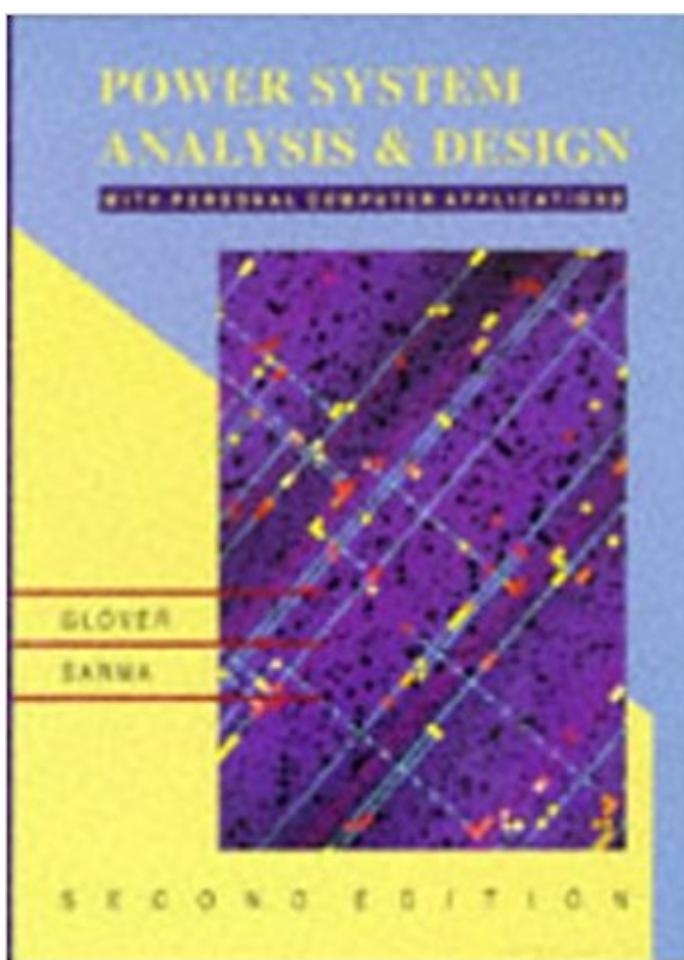


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# Power Systems Analysis And Design, 2nd (Pws Series In Engineering)



## **Synopsis**

Glovers writing style and approach to power systems concepts satisfies the needs of specialists and nonspecialists alike. Glover combines clear text explanations and realistic examples and exercises with an innovative software component. The accompanying software and users guide allow students to analyze and test their designs for power systems, and also provide vital initial experience with using analysis software; a skill necessary for working with the complex, professional level power system analysis programs they will be using as practicing engineers.

## **Book Information**

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## **Customer Reviews**

A Ph.D. from MIT, J. Duncan Glover is President and Principal Engineer at Failure Electrical, LLC. He was a Principal Engineer at Exponent Failure Analysis Associates and a tenured Associate Professor in the Electrical and Computer Engineering Department of Northeastern University. He has held several engineering positions with companies, including the International Engineering Company and the American Electric Power Service Corporation. Dr. Glover specializes in issues pertaining to electrical engineering, particularly as they relate to failure analysis of electrical systems, subsystems, and components, including causes of electrical fires. Mulukutla S. Sarma is the author of numerous technical articles published in leading journals, including the first studies of methods for computer-aided analysis of three-dimensional nonlinear electromagnetic field problems

as applied to the design of electrical machinery. Dr. Sarma is a Life-Fellow of IEEE (USA), a Fellow of IEE (UK) and IEE (INDIA), a reviewer of several IEEE Transactions, a member of the IEEE Rotating Machinery Committee, and a member of several other professional societies. He is also a Professional Engineer in the State of Massachusetts.

This book is terrible. It is the text book for a graduate level course in Power System Analysis that I am taking. The instructor insists there are not a lot of options out there as an excuse for the poor quality of the book. Biggest griefs:

1. Inconsistency. They use different names and notation at seemingly irrelevant times. They should choose specific names and then have a short chapter on their naming style and be done with it. Learning any concept with inconsistent representation is more difficult.
2. Explanations. The book relies on examples to explain concepts. Instead of completely explaining a concept and providing worked examples to cement it, they partially explain a concept and then further explain it using an example. Since the examples are all very explicit, it leaves me wondering if I really understand the concept. Concepts must be inferred from examples. They also use the exercises to try to get across additional concepts.
3. Formatting. A good book would provide explicit explanations about equations and concepts, usually highlighted in some way in each section. This book provides none of that. The concepts are often buried in small cryptic paragraphs. The authors try to condense the material which results in some concepts that should have multiple pages being explained in one sentence.
4. PowerWorld. It refers students to use PowerWorld to test out more complicated systems. My instructor has us using MATLAB which makes PowerWorld useless. Better would be a book that uses MATLAB but that is more of an instructor complaint. If your instructor wants to use MATLAB, then they shouldn't use this book.
5. No answers. There are no answers or worked solutions to \*any\* problems. This means there is no way to check your work to make sure you understand a concept. Sure, I can google around but that is besides the point.

I bought this book because its text kept coming up on searches from homework assignments, and the nomenclature was consistent with what my professor was using in class, while his recommended textbook was not. Apparently, he had used this book before, and in that regard it proved invaluable, but I could see why he switched to another text. Every chapter has bits of many topics, but you don't get the whole thing in any one. That might have some logic if you were just reading cover to cover, but when trying to look up any topic, it means sorting through 20 or more entries with only a little bit of information in each place. At least it gave me a way to look up the

variable names used in that that professor's lectures, but beyond that, this wasn't a useful reference.

Needed this book to study for PE license, kept it for reference. My job is nothing but Power Distribution so this book is like my bible...

This book is ok, there are a lot of derivation steps that are omitted which makes it difficult for non-electrical engineers. I am using this book as a required text for a power systems class in an MSME curriculm. I find it to be a little lacking in some electrical basics but it is probably fine for someone with an electrical background.

Fantastic quality and set up like a real book. I do wish you could scribble notes on the pages using your finger or apple pencil but that is a platform issue and not the book manufacturer

Excellent book! I purchase international editions for all my engineering courses. Same content as American printed hardcover.

The pages are very thin and two pages are still uncut. But, the book arrived in great condition and shipping was fast so I give it 5 stars.

Very cool book. I gave it 3 out of 5 because it's witten in black and white colors, and sometimes it hard to read charts.

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