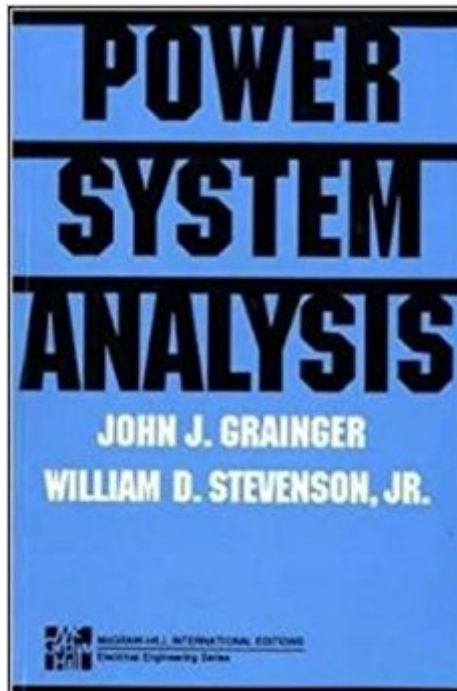




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# Power System Analysis (Power & Energy)



## Synopsis

Based on William Stevenson's classic, "Elements of Power System Analysis", this new senior/graduate text offers a completely modern update of this popular textbook. Covering such topics as power flow, power-system stability and transmission lines, the book teaches the fundamental topics of power system analysis accompanied by logical discussions and numerous examples.

## Book Information

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## Customer Reviews

When John Grainger began revising William Stevenson's classic Elements of Power System Analysis, he realized that a complete modernization was in order. By the time he finished, an entirely new book was written, re-titled Power System Analysis. Covering such topics as power flow, power system stability and transmission lines, Power System Analysis teaches the fundamental topics of power system analysis using logical discussions and numerous examples. The new chapter on power system state estimation incorporates the latest developments in the field, and the discussion of system control covers economic factors of line losses and penalty factors. The loyal following earned by Stevenson will surely enjoy the modern power system analysis presented here. --This text refers to the Hardcover edition.

This is a classic. Anyone interested in the electrical theory behind generation, transmission, system

protection, power flow analysis, and system stability analysis should buy this book. This is the standard textbook in many EE departments and will prepare you well for the PE exam.

Excellent text, I used an earlier edition in college 38 years ago and bought this as a reference as the old one was wore out. Recommend it for any engineer working in power systems.

used for school. informative book

I got it to prep for the P.E. and it helped. It is dry but has the information in a mostly accessible form. I used it for symmetric components and a few transmission line concepts. I think it might have had some synchronous generator stuff too, though I found other texts to be better for motors.

Great reference. My copy cuts off Midway through the glossary, which is why I only gave 4 stars.

The copy I received is only appropriate to certain parts of Asia. I am completely unsatisfied with my purchase and it upsets me that this was not listed clearly ANYWHERE in the description.

Great condition.

I am in a class that requires this book, and let me just let everyone aware that this book is not a true text book. For those that are new to this field, this is one tough book to start with. I wish my school would select a different book. My problems with this book as a new student trying to learn power analysis: 1- No step-by-step methods: it goes from setup of a problem to the answer. 2- Unfriendly examples: you get examples that were already explained within the reading. 3- No appendix that has formulas or basic information: since this is not a text book, this problem just shows that in a textbook you have them and here they are not included. 4- Jumps into the subject: This is assuming that you know everything by heart before going into detailed subjects. For what this book is, I am sure it does it well - for those that are in the industry and want a supplement to help your daily needs, then this might be fine. For those that are new students in the power engineering/ electrical engineering that want a book to learn from, I advise to look for an honest text book.

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