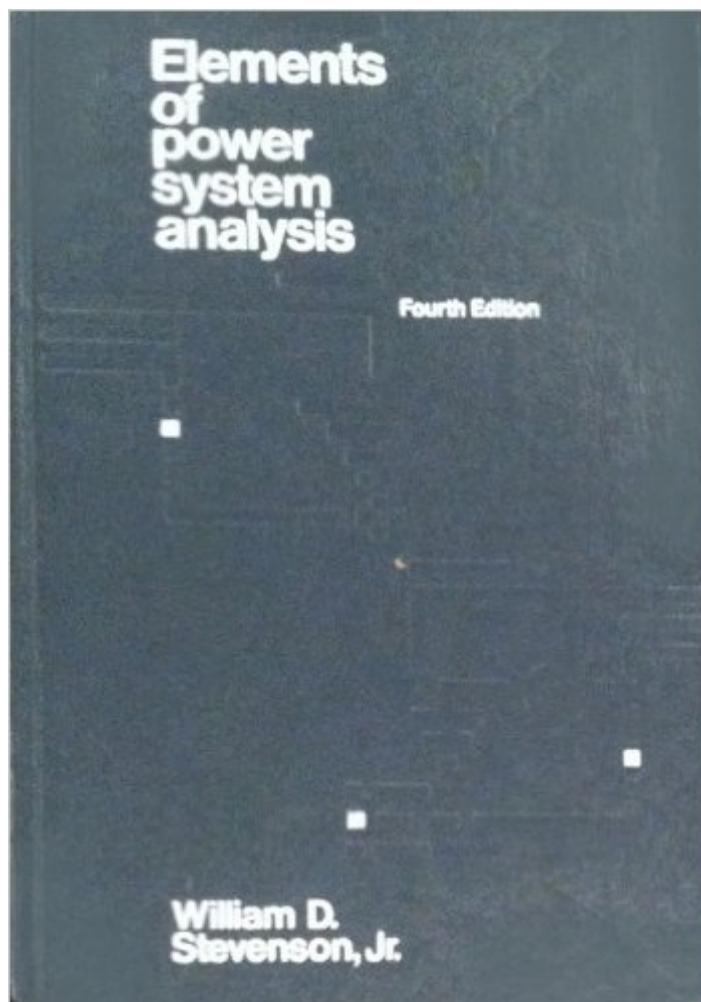


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# Elements Of Power System Analysis (Mcgraw Hill Series In Electrical And Computer Engineering)



## **Synopsis**

The approach is to develop the thinking process of the student in reaching a sound understanding of a broad range of topics in the power-system area of electrical engineering. Another goal is to promote the student's interest in learning more about the electric-power industry. The objective is not great depth, but the presentation is thorough enough to give the student the basic theory at a level that can be understood by the undergraduate.

## **Book Information**

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## **Customer Reviews**

This has been the bible of electrical power systems for the past 44 years so don't leave home without it ! It is a classic well-written textbook that stresses the important fundamentals of power system analysis with clarity that I have not seen in any other power book. Although other books may be fatter and contain more details, this book remains the best by wisely avoiding falling in the often tempting trap of computational details of numerical techniques and remains faithful to the basic principles. The chapters are just of the right length with many examples and clear explanations. It feels so good for the student and the professor to cover each chapter in about a week. I have used this book as a student and as an instructor and my recommendation is this: stick with this original classic and avoid the imitations! You will never regret it !

Oh babe, this book is way beyond the words to describe.. The power system bible, U wont find any

other good book that explains the complexity of power system flow, faults, TL modelin per units, power stability... than this book. I loved The way how he explained the zero sequence of different power system elements. Great!!!

One of the best books written on the subject of Power System analysis. This book has a very good approach to power system problems with many solved examples and many more problems at the end of each chapter. I recommend anyone taking the P.E. exam to have this book as a reference for Power System problems.

In my EE undergrad program I found that the textbooks were terrible. Confusing, badly written, bad examples, skipping the basics. I finally asked a professor for some other recommendations. This is by far the best power systems book I have looked at. There are many many revisions of it, and eventually another author (Grainger) was added on to Stevenson, but the core of the information remains the same. The good and bad thing about power is that not that much has changed in the last 60 or 70 years, so even an older textbook is till incredibly relevant. I ditched the textbook we were assigned and pretty much exclusively use this book. Even now at work I still reference this book to review concepts a couple of times a month.

I bought this book to prepare for the PE exam, mainly because of the other favorable reviews by those who were preparing for the exam. I sincerely wish we had used this text back at Rolla, but alas, we did not. This book has the very best explanation of symmetrical components that I have seen. Even though I did not fully grasp the concept back in my college days (> 20 years ago!), Stevenson managed to finally get the point across to me and the concept became ridiculously clear. I am no expert, but I finally understand the theory, and can apply it. And by the way, I did pass on my first attempt. This book was a great reference and it's not physically large, so it was very handy on exam day.

This book is the best introduction to electric power systems . it combines the important aspects and formulas and physics required to be a good power systems engineer and is easy to understand. While is not well versed in today software, it should part of the engineer library. This is my third copy because I have loaned my other two copies to fellow engineers. my self have noticed today engineers are well versed in software, but not on the basics of electrical engineering. Remember the MS engineer that confused the wind tower foundation re-bars with the grounding

system of the tower. Not like a Ufer ground. Have it in your library. AMDG

Just a very nice explanation. I have some books and i have discovered the most of them are based in this. It's an old book but the explanation and the electrical principles has remain equals since years. You must have it! If i had this books when i studied i had learned very well, but i haven't that luck i studied with other book based on this a big big mistake. If you are student or if you have a job, you must have it!. If stevenson were alive i really would like he had written a chapter about harmonics which it is not here.

If you're an engineer or student having to deal with power systems in any way, this is the best book for you. I highly recommend this classic text. It is one of the best power systems books I've ever read, and it even includes excellent instruction on power system protection.

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