



Power System Stability and Control

By Prabha Kundur

Download now

Read Online ➔

Power System Stability and Control By Prabha Kundur

Today's electric power systems are continually increasing in complexity due to interconnection growth, the use of new technologies, and financial and regulatory constraints. Sponsored by the Electric Power Research Institute, this expert engineering guide helps you deal effectively with stability and control problems resulting from these major changes in the industry. Power System Stability and Control contains the hands-on information you need to understand, model, analyze, and solve problems using the latest technical tools. You'll learn about the structure of modern power systems, the different levels of control, and the nature of stability problems you face in your day-to-day work. The book features a complete account of equipment characteristics and modeling techniques. Included is detailed coverage of generators, excitation systems, prime movers, ac and dc transmission, and system loads - plus principles of active and reactive power control, and models for control equipment. Different categories of power system stability are thoroughly covered with descriptions of numerous methods of analysis and control measures for mitigating the full spectrum of stability problems. This comprehensive source book is written from a pragmatic point of view, but without undue compromise in mathematical rigor. Filled with illustrative examples, it gives the necessary basic theory and insight into practical aspects.

↓ [Download Power System Stability and Control ...pdf](#)

📖 [Read Online Power System Stability and Control ...pdf](#)

Power System Stability and Control

By Prabha Kundur

Power System Stability and Control By Prabha Kundur

Today's electric power systems are continually increasing in complexity due to interconnection growth, the use of new technologies, and financial and regulatory constraints. Sponsored by the Electric Power Research Institute, this expert engineering guide helps you deal effectively with stability and control problems resulting from these major changes in the industry. Power System Stability and Control contains the hands-on information you need to understand, model, analyze, and solve problems using the latest technical tools. You'll learn about the structure of modern power systems, the different levels of control, and the nature of stability problems you face in your day-to-day work. The book features a complete account of equipment characteristics and modeling techniques. Included is detailed coverage of generators, excitation systems, prime movers, ac and dc transmission, and system loads - plus principles of active and reactive power control, and models for control equipment. Different categories of power system stability are thoroughly covered with descriptions of numerous methods of analysis and control measures for mitigating the full spectrum of stability problems. This comprehensive source book is written from a pragmatic point of view, but without undue compromise in mathematical rigor. Filled with illustrative examples, it gives the necessary basic theory and insight into practical aspects.

Power System Stability and Control By Prabha Kundur Bibliography

- Sales Rank: #405637 in Books
- Published on: 1994-01-22
- Original language: English
- Number of items: 1
- Dimensions: 9.40" h x 2.60" w x 7.60" l, 4.91 pounds
- Binding: Hardcover
- 1200 pages

 [Download Power System Stability and Control ...pdf](#)

 [Read Online Power System Stability and Control ...pdf](#)

Editorial Review

From the Back Cover

Today's electric power systems are continually increasing in complexity due to interconnection growth, the use of new technologies, and financial and regulatory constraints. Sponsored by the Electric Power Research Institute, this expert engineering guide helps you deal effectively with stability and control problems resulting from these major changes in the industry. Power System Stability and Control contains the hands-on information you need to understand, model, analyze, and solve problems using the latest technical tools. You'll learn about the structure of modern power systems, the different levels of control, and the nature of stability problems you face in your day-to-day work. The book features a complete account of equipment characteristics and modeling techniques. Included is detailed coverage of generators, excitation systems, prime movers, ac and dc transmission, and system loads - plus principles of active and reactive power control, and models for control equipment. Different categories of power system stability are thoroughly covered with descriptions of numerous methods of analysis and control measures for mitigating the full spectrum of stability problems. This comprehensive source book is written from a pragmatic point of view, but without undue compromise in mathematical rigor. Filled with illustrative examples, it gives the necessary basic theory and insight into practical aspects.

About the Author

Prabha Kundur, Vice President, Power Engineering Powertech Labs Inc., Surrey, British Columbia and is also an adjunct professor in the Department of Electrical and Computer Engineering, University of Toronto, Toronto, Ontario

Users Review

From reader reviews:

Matthew Venegas:

The book Power System Stability and Control can give more knowledge and information about everything you want. Why then must we leave a good thing like a book Power System Stability and Control? Several of you have a different opinion about e-book. But one aim that will book can give many facts for us. It is absolutely proper. Right now, try to closer along with your book. Knowledge or details that you take for that, you could give for each other; you can share all of these. Book Power System Stability and Control has simple shape however you know: it has great and large function for you. You can appear the enormous world by open up and read a reserve. So it is very wonderful.

Yvette Barstow:

Now a day those who Living in the era exactly where everything reachable by interact with the internet and the resources in it can be true or not involve people to be aware of each data they get. How a lot more to be smart in having any information nowadays? Of course the solution is reading a book. Looking at a book can help individuals out of this uncertainty Information especially this Power System Stability and Control book as this book offers you rich facts and knowledge. Of course the information in this book hundred per-cent guarantees there is no doubt in it you know.

Elizabeth Ramsey:

People live in this new morning of lifestyle always try and must have the extra time or they will get wide range of stress from both way of life and work. So , if we ask do people have spare time, we will say absolutely yes. People is human not only a robot. Then we request again, what kind of activity are there when the spare time coming to you actually of course your answer will probably unlimited right. Then do you ever try this one, reading ebooks. It can be your alternative inside spending your spare time, the particular book you have read is usually Power System Stability and Control.

Carl Johnson:

Many people spending their time period by playing outside having friends, fun activity together with family or just watching TV all day long. You can have new activity to pay your whole day by reading a book. Ugh, you think reading a book can really hard because you have to bring the book everywhere? It ok you can have the e-book, having everywhere you want in your Cell phone. Like Power System Stability and Control which is getting the e-book version. So , why not try out this book? Let's observe.

**Download and Read Online Power System Stability and Control By
Prabha Kundur #PL8AIBY74JD**

Read Power System Stability and Control By Prabha Kundur for online ebook

Power System Stability and Control By Prabha Kundur Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Power System Stability and Control By Prabha Kundur books to read online.

Online Power System Stability and Control By Prabha Kundur ebook PDF download

Power System Stability and Control By Prabha Kundur Doc

Power System Stability and Control By Prabha Kundur Mobipocket

Power System Stability and Control By Prabha Kundur EPub

PL8AIBY74JD: Power System Stability and Control By Prabha Kundur