



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:

Eileen Smith:

Spent a free time and energy to be fun activity to accomplish! A lot of people spent their spare time with their family, or their own friends. Usually they undertaking activity like watching television, likely to beach, or picnic in the park. They actually doing same every week. Do you feel it? Will you something different to fill your own free time/ holiday? May be reading a book may be option to fill your free time/ holiday. The first thing you will ask may be what kinds of guide that you should read. If you want to try out look for book, may be the e-book untitled Power System Stability and Control can be good book to read. May be it could be best activity to you.

Donald Perkins:

Playing with family inside a park, coming to see the ocean world or hanging out with pals is thing that usually you have done when you have spare time, in that case why you don't try thing that really opposite from that. One activity that make you not experience tired but still relaxing, trilling like on roller coaster you are ride on and with addition of knowledge. Even you love Power System Stability and Control, it is possible to enjoy both. It is great combination right, you still would like to miss it? What kind of hang-out type is it? Oh occur its mind hangout men. What? Still don't have it, oh come on its called reading friends.

Brenda Rodriguez:

The book untitled Power System Stability and Control contain a lot of information on the item. The writer explains your ex idea with easy technique. The language is very clear and understandable all the people, so do not really worry, you can easy to read the item. The book was compiled by famous author. The author brings you in the new age of literary works. It is easy to read this book because you can read on your smart phone, or program, so you can read the book within anywhere and anytime. In a situation you wish to purchase the e-book, you can start their official web-site as well as order it. Have a nice go through.

Jacqueline Morrison:

A lot of e-book has printed but it differs from the others. You can get it by web on social media. You can choose the most beneficial book for you, science, witty, novel, or whatever by means of searching from it. It is known as of book Power System Stability and Control. You can contribute your knowledge by it. Without making the printed book, it could add your knowledge and make you happier to read. It is most essential that, you must aware about reserve. It can bring you from one place to other place.

**Download and Read Online Power System Stability and Control By
Prabha Kundur #LAI6PBF0D1G**

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