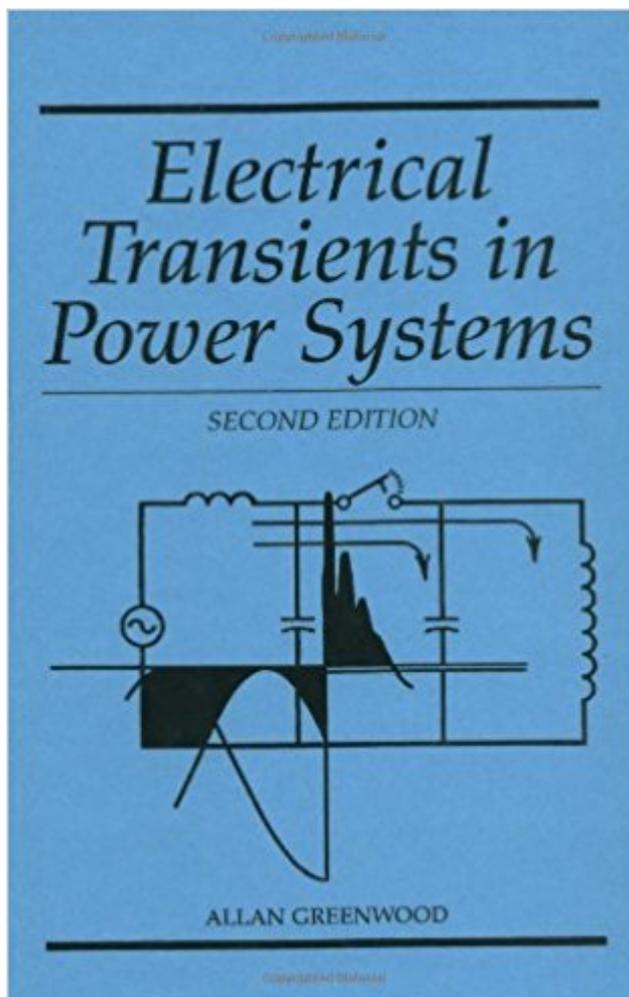


The book was found

Electrical Transients In Power Systems



Synopsis

The principles of the First Edition--to teach students and engineers the fundamentals of electrical transients and equip them with the skills to recognize and solve transient problems in power networks and components--also guide this Second Edition. While the text continues to stress the physical aspects of the phenomena involved in these problems, it also broadens and updates the computational treatment of transients. Necessarily, two new chapters address the subject of modeling and models for most types of equipment are discussed. The adequacy of the models, their validation and the relationship between model and the physical entity it represents are also examined. There are now chapters devoted entirely to isolation coordination and protection, reflecting the revolution that metal oxide surge arresters have caused in the power industry. Features additional and more complete illustrative material--figures, diagrams and worked examples. An entirely new chapter of case studies demonstrates modeling and computational techniques as they have been applied by engineers to specific problems.

Book Information

Hardcover: 768 pages

Publisher: Wiley-Interscience; 2 edition (April 18, 1991)

Language: English

ISBN-10: 0471620580

ISBN-13: 978-0471620587

Product Dimensions: 6.5 x 1.6 x 9.5 inches

Shipping Weight: 2.6 pounds (View shipping rates and policies)

Average Customer Review: 4.8 out of 5 stars [See all reviews](#) (9 customer reviews)

Best Sellers Rank: #899,819 in Books (See Top 100 in Books) #106 in [Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Power Systems](#) #179 in [Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Electric](#) #2626 in [Books > Engineering & Transportation > Engineering > Telecommunications & Sensors](#)

Customer Reviews

One of the most notable features of Greenwoods text is he starts with the basics of transient electrical circuit theory and builds up chapter by chapter to the most difficult and misunderstood cases of power system transients. Especially appealing to a practicing power engineer is his dual slant on problem analysis. He not only demonstrates a mastery for the sometimes nasty mathematical analysis of transient problems, he shows his years of practical experience with logical

physical explanations that reduce complex problems to several simple circuits problems. I definitely recommend this text for power system engineers interested in the transient response of power systems and how it affects all types of power equipment.

This is an excellent book that covers a lot of ground. It also a lot of challenging problems that really test your understanding of the material. The material is fun to learn, as Greenwood tries to convey the physical phenomena at work behind the mathematics. He tries to give the student an intuitive feel for what's going on. It also covers fun topics such as lighting, as well as modeling of various parasitic parameters in a power system. An excellent reference book to have on your shelf.

This book presents the complex subject of power system transients in a clear and easy to follow manner with a lot of examples. It's a bummer that this book is so expensive, but it is indeed worth the price (How much is having an understanding of exactly what is going on during non-steady-state conditions worth to you?). These concepts can also be applied to the analysis of other circuits (i.e. switching transients in power electronics circuits).

The book is magnificent and so beautifully written. It is NOT for beginners in any case. Greenwood sometimes omits some details and you will spend a great of time understanding all the concepts in the book. This is a must have for power engineers.

This book is a practical book with many concrete information. For exemple the capacity in an high voltage power station or the author explain in very good details what happens during a fault in a circuit breaker. The only point that i find is not so positive is that the solutions manual is not to buy. I use this book for understanding any situations in the power plant.

[Download to continue reading...](#)

Electrical Transients in Power Systems Fluid Transients in Systems Power Training: For Combat, MMA, Boxing, Wrestling, Martial Arts, and Self-Defense: How to Develop Knockout Punching Power, Kicking Power, Grappling Power, and Ground Fighting Power Solar PV Off-Grid Power: How to Build Solar PV Energy Systems for Stand Alone LED Lighting, Cameras, Electronics, Communication, and Remote Site Home Power Systems Solar Electric Power Generation - Photovoltaic Energy Systems: Modeling of Optical and Thermal Performance, Electrical Yield, Energy Balance, Effect on Reduction of Greenhouse Gas Emissions Electrical Machines, Drives and Power Systems (6th Edition) Schaum's Outline of Electrical Power Systems Power Systems

Analysis (Prentice-Hall Series in Electrical and Computer Engineering) Electrical Control of Fluid Power: Electric and Electronic Control of Hydraulic & Air Systems Industrial Electrical Troubleshooting (Electrical Trades S) Everything Electrical:How To Find Electrical Shorts (Revised Edition (10/26/2015) McGraw-Hill's National Electrical Safety Code 2017 Handbook (Mcgraw Hill's National Electrical Safety Code Handbook) National Electrical Code 2008 Handbook (National Electrical Code Handbook) National Electrical Code 2002 (softcover) (National Fire Protection Association National Electrical Code) National Electrical Code 2002 Handbook (National Electrical Code Handbook) National Electrical Code 2008 Handbook on CD-ROM (International Electrical Code) Electrical Power Equipment Maintenance and Testing, Second Edition (Power Engineering (Willis)) Low-Voltage/Low-Power Integrated Circuits and Systems: Low-Voltage Mixed-Signal Circuits (IEEE Press Series on Microelectronic Systems) Digital Control Systems (The Oxford Series in Electrical and Computer Engineering) First Principles of Discrete Systems and Digital Signal Processing (Addison-Wesley Series in Electrical Engineering)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)