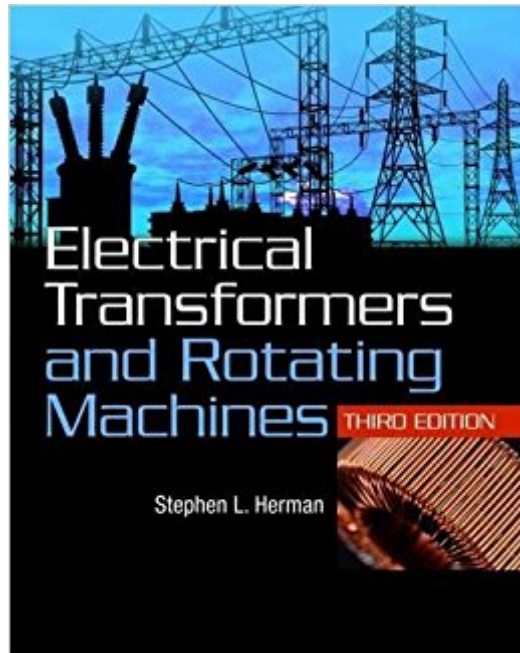




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Electrical Transformers And Rotating Machines



Synopsis

Reflecting new technologies and the latest practices in the field, **ELECTRICAL TRANSFORMERS AND ROTATING MACHINES**, 3E delivers thorough coverage of theory and practical applications of electrical machines. It begins with a study of magnetism and magnetic induction, single-phase isolation transformers, current transformers, and autotransformers. A unit on three-phase power covers basic connections and calculations before proceeding into transformers. In addition, numerous experiments reinforce theory with hands-on application. A unique combination of transformers and motors makes this book an excellent resource for electrical students and practitioners alike.

Book Information

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Customer Reviews

1. Magnetism. 2. Magnetic Induction. 3. Inductance in Alternating-Current Circuits. 4. Single-Phase Isolation Transformers. 5. Autotransformers. 6. Current Transformers. 7. Three-Phase Circuits. 8. Three-Phase Transformers. 9. Single-Phase Loads for Three-Phase Transformers. 10. Transformer Installation. 11. Transformer Cooling. 12. Transformer Maintenance. 13. Harmonics. 14. Direct Current Generators. 15. Direct Current Motors. 16. Alternators. 17. Three-Phase Motors. 18. Single-Phase Motors. 19. Motor Maintenance and Troubleshooting. 20. Motor Nameplate Data. 21. Motor Installation.

Stephen L. Herman is a retired electrician and teacher with more than 30 years of experience to his credit. A seasoned author, his reader-friendly textbooks on electricity and mathematics are popular with students and instructors alike. For two decades Mr. Herman was lead instructor for the Electrical Technology Curriculum at Lee College in Baytown, Texas, where he received an Excellence in Education Award from the Halliburton Education Foundation. He also taught at Randolph Community College in Asheboro, N.C., for nine years and helped establish an electrical curriculum for Northeast Texas Community College in Mount Pleasant, Texas. His additional publications include ELECTRIC MOTOR CONTROL, ELECTRICITY AND CONTROLS FOR HVAC/R, INDUSTRIAL MOTOR CONTROLS, UNDERSTANDING MOTOR CONTROLS, ELECTRONICS FOR ELECTRICIANS, ALTERNATING CURRENT FUNDAMENTALS, DIRECT CURRENT FUNDAMENTALS, ELECTRICAL STUDIES FOR TRADES, ELECTRICAL PRINCIPLES, EXPERIMENTS IN ELECTRICITY FOR USE WITH LAB VOLT EQUIPMENT, THE COMPLETE LABORATORY MANUAL FOR ELECTRICITY, and PRACTICAL PROBLEMS IN MATHEMATICS FOR ELECTRICIANS.

I used this book for my college classes. It has a general information about AC/DC motors covering various winding types and construction, insulation, torque ratings, etc. etc. However it is easy to read and the diagrams and pictures are helpful. It also covers some components such as transformers. An "ok" reference book for someone just starting their electrical classes or someone who's simply interested in learning more. I keep it around as a reference manual or a way to refresh my memory on things while I'm in the more advanced classes now!

This book is very well written and organized by topic. Easy to follow and great for someone learning about electric motors and control circuits.

Tedious read. Difficult to understand. Horrible textbook written for people that should already know what's going on, not for learning. Nothing is simplified.

The book came in requested timeframe, this is a good information book on AC motor polyphase theory. Basic electricity type information

The book has good detail and clear explanations for how electrical motors, generators, and magnetism work..The text utilizes diagrams and figures to help explain concepts, which I appreciate.

This book is great, the author takes complicated subjects and simplifies it as much as possible, I haven't finished reading it but liked the few pages I did read.

Delivery was on point

great

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