



Electrical Machines, Drives and Power Systems (Sixth Edition)

By Theodore Wildi

Pearson Education, 2014. Softcover. Condition: New. 5th or later edition. Electrical Machines, Drives and Power Systems is a comprehensive book for undergraduate students of electrical engineering. The book comprises of chapters on the fundamentals of electricity, magnetism and circuits, electrical machines and transformers, electrical and electronic devices and electric utility power systems. In addition, the book consists of several solved and unsolved questions for thorough revision and final practice. This book is essential for electronic and electrical engineering students. Contents Part I: FUNDAMENTALS. 1. Units. 2. Fundamentals of Electricity, Magnetism and Circuits. 3. Fundamentals of Mechanics and Heat. Part II: ELECTRICAL MACHINES AND TRANSFORMERS. 4. Direct-Current Generators. 5. Direct-Current Motors. 6. Efficiency and Heating of Electrical Machines. 7. Active, Reactive, and Apparent Power. 8. Three-Phase Circuits. 9. The Ideal Transformer. 10. Practical Transformers. 11. Special Transformers. 12. Three-Phase Transformers. 13. Three-Phase Induction Motors. 14. Selection and Application of Three-Phase Induction Machines. 15. Equivalent Circuit of the Induction Motor. 16. Synchronous Generators. 17. Synchronous Motors. 18. Single-Phase Motors. 19. Stepper Motors. Part III: ELECTRICAL AND ELECTRONIC DRIVES. 20. Basics of Industrial Motor Control. 21. Fundamental Elements of Power Electronics. 22. Electronic Control of Direct-Current Motors. 23. Electronic Control of Alternating Current...



READ ONLINE
[5.01 MB]

Reviews

This book is great. I have go through and so i am confident that i will going to read through once again again in the future. I am just easily can get a satisfaction of looking at a written book.

-- **Miss Vernie Schimmel**

The book is easy in study easier to comprehend. I have study and that i am certain that i will gonna read once again once again in the foreseeable future. Your lifestyle span will likely be transform the instant you comprehensive reading this pdf.

-- **Dr. Jaydon Mosciski**