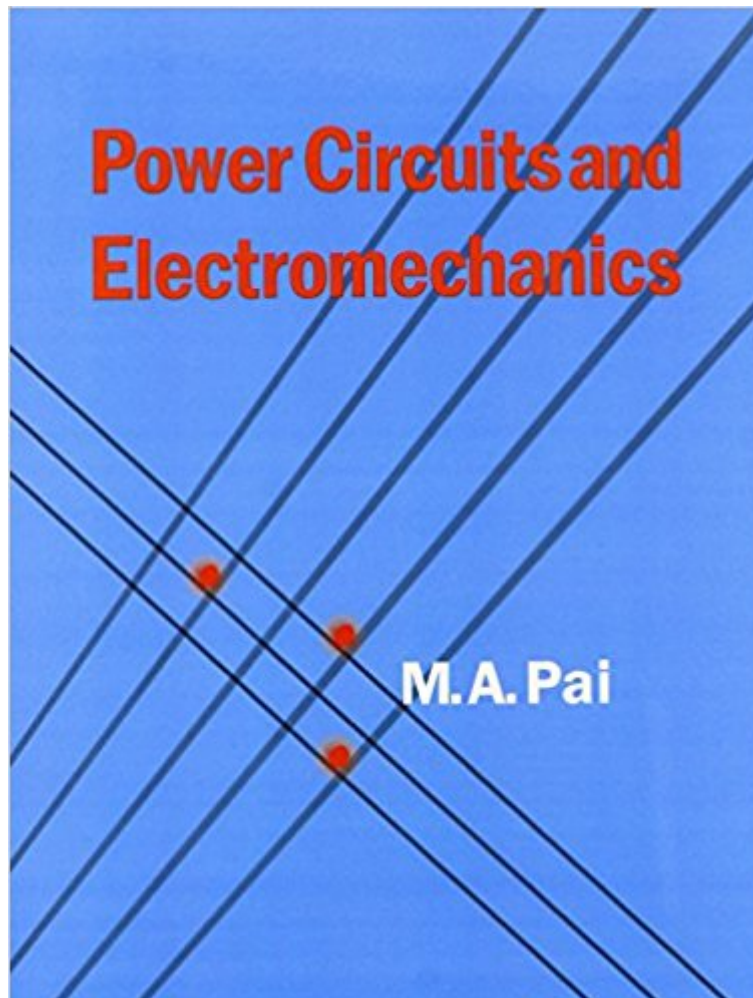




Ebook Directory
the best source of ebook

The book was found

Power Circuits And Electromechanics



Synopsis

"Power Circuits and Electromechanics" is intended to serve as a one semester introductory course in power circuits and electromechanical energy conversion. In many curricula, the traditional circuit theory course is being replaced by a course in analog processing. The students should have basic exposure to KCL, KVL and simple circuits as well as a course in field theory or electromagnetism before taking this course. The book is basically in three modules. The first module covers complex power in single and three phase circuits, analysis of magnetic circuits, mutually coupled circuits and single phase transformers. The second module, drawing upon the quasi-static approximation of magnetic field equations, develops the concepts of electromechanical energy conversion, forces of electric origin leading to the dynamics equations of motion of the electromechanical system. A brief introduction to state space modeling, static equilibrium and stability is included. The third module discusses in the energy, co-energy framework, the torque of electric origin in synchronous, induction and DC machines. In each case, the equivalent circuit for the machine for steady state operation is developed for analysis purposes. A brief discussion of single phase motors is presented at the end.

--This text refers to an out of print or unavailable edition of this title.

Book Information

Paperback: 314 pages

Publisher: Stipes Pub Llc; Reissue edition (December 13, 2012)

Language: English

ISBN-10: 1609040090

ISBN-13: 978-1609040093

Product Dimensions: 0.8 x 7 x 9.2 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars 2 customer reviews

Best Sellers Rank: #137,493 in Books (See Top 100 in Books) #56 in [Books > Science & Math > Physics > Electromagnetism > Electricity](#) #617 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics](#) #6337 in [Books > Textbooks > Science & Mathematics](#)

Customer Reviews

M. A. Pai.: Emeritus Professor Department of Electrical and Computer Engineering University of Illinois at Urbana-Champaign, 1406 W. Green st Urbana IL 61801 U.S.A --This text refers to an out of print or unavailable edition of this title.

Pretty good book for learning power electronics. It's a required book for UIUC's ECE 330 class.

Required for UIUC ECE 330. Currently on Chapter 3. So far the text has proven to be an easy read, teaching power circuits and equations in a clear and unpretentious manner.

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

Power Circuits and Electromechanics Selected Topics in RF, Analog and Mixed Signal Circuits and Systems (Tutorials in Circuits and Systems) Solar Power: The Ultimate Guide to Solar Power Energy and Lower Bills: (Off Grid Solar Power Systems, Home Solar Power System) (Living Off Grid, Wind And Solar Power 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 CMOS Digital Integrated Circuits: A First Course (Materials, Circuits and Devices) Power Pivot and Power BI: The Excel User's Guide to DAX, Power Query, Power BI & Power Pivot in Excel 2010-2016 Power Electronics: Circuits, Devices and Applications (3rd Edition) Off-Grid Living: How To Build Wind Turbine, Solar Panels And Micro Hydroelectric Generator To Power Up Your House: (Wind Power, Hydropower, Solar Energy, Power Generation) State Estimation in Electric Power Systems: A Generalized Approach (Power Electronics and Power Systems) Master Your Mind: Achieve Greatness by Powering Your Subconscious Mind [mental power, mind control, thought control] (brain power, subconscious mind power, NLP, Neuro Linguistic Programming) Power Pressure Cooker XL Cookbook: The Only Power Pressure Cooker XL Recipe Book You Need To Wow Your Family. 177 Power Pressure Cooker XL Recipes For A Day Of Complete Wow! Five Minute Booty-Blaster Circuits: The most efficient and effective approach to a beautiful butt, thighs, and core Introduction to Embedded Systems: Using ANSI C and the Arduino Development Environment (Synthesis Lectures on Digital Circuits and Systems) Foundations of Analog and Digital Electronic Circuits (The Morgan Kaufmann Series in Computer Architecture and Design) Ones and Zeros: Understanding Boolean Algebra, Digital Circuits, and the Logic of Sets Sensors, Actuators, and Their Interfaces: A Multidisciplinary Introduction (Materials, Circuits and Devices) Circuits and Systems: A Modern Approach (The Oxford Series in Electrical and Computer Engineering) Neuroimmune Circuits, Drugs of Abuse, and Infectious Diseases (Advances in Experimental Medicine and Biology) Electronics for Kids: Play with Simple Circuits and Experiment with Electricity! Speculative Markets: Drug Circuits and Derivative Life in Nigeria (Experimental Futures)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)