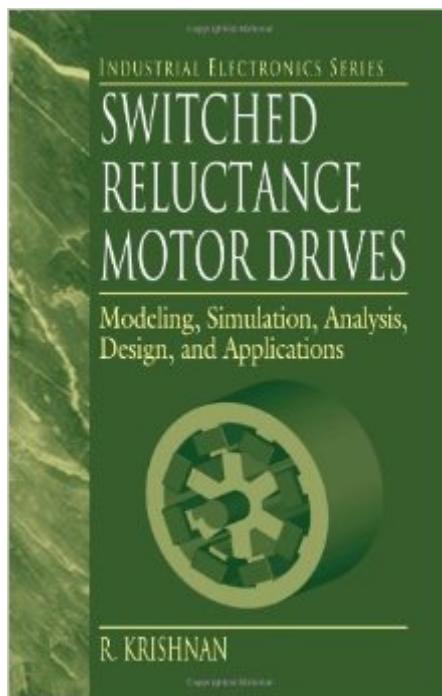


The book was found

Switched Reluctance Motor Drives: Modeling, Simulation, Analysis, Design, And Applications (Industrial Electronics)



Synopsis

The switched reluctance machine (SRM) is the least expensive electrical machine to produce, yet one of the most reliable. As such, research has blossomed during the last decade, and the SRM and variable drive systems using SRMs are receiving considerable attention from industry. Because they require a power electronic converter and controller to function, however, successful realization of an SRM variable drive system demands an understanding of the converter and controller subsystems and their integration with the machine. *Switched Reluctance Motor Drives* provides that understanding. It presents a unified view of the machine and its drive system from all of its system and subsystem aspects. With a careful balance of theory and implementation, the author develops the analysis and design of SRMs from first principles, introduces a wide variety of power converters available for driving the SRM, and systematically presents both low- and high-performance controllers. The book includes an in-depth study of acoustic noise and its minimization along with application examples that include comparisons between ac and dc drives and SRM drive. The result is the first book that provides a state-of-the-art knowledge of SRMs, power converters, and their use with both sensor-based and sensorless controllers. *Switched Reluctance Motor Drives* enables both students and engineers to learn all aspects of SRM drive systems and appreciate the interdependence of the various subsystems in performance optimization.

Book Information

Series: Industrial Electronics

Hardcover: 432 pages

Publisher: CRC Press; 1 edition (June 28, 2001)

Language: English

ISBN-10: 0849308380

ISBN-13: 978-0849308383

Product Dimensions: 6.4 x 1.1 x 9.6 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars See all reviews (1 customer review)

Best Sellers Rank: #1,636,311 in Books (See Top 100 in Books) #223 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Power Systems #280 in Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electric Machinery & Motors #875 in Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Industrial Design

Customer Reviews

It's a great book on the subject. Design steps are systematically described. Could be better, If test conducted on these motors are also included in the book.

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

Switched Reluctance Motor Drives: Modeling, Simulation, Analysis, Design, and Applications (Industrial Electronics) Mosfet Modeling for VLSI Simulation: Theory And Practice (International Series on Advances in Solid State Electronics) (International Series on Advances in Solid State Electronics and Technology) Mathematical Modeling of Collective Behavior in Socio-Economic and Life Sciences (Modeling and Simulation in Science, Engineering and Technology) The Physics And Modeling of Mosfets (International Series on Advances in Solid State Electronics) (International Series on Advances in Solid State Electronics and Technology (Unnumbered)) Advanced Electric Drives: Analysis, Control, and Modeling Using MATLAB / Simulink Evaluation of Industrial Disability: Prepared by the Committee of the California Medical Association and Industrial Accident Commission of the State ... of Joint Measures in Industrial Injury Cases. Microsoft Excel 2013 Data Analysis and Business Modeling: Data Analysis and Business Modeling (Introducing) Busy Toddler, Happy Mom: Over 280 Activities to Engage your Toddler in Small Motor and Gross Motor Activities, Crafts, Language Development and Sensory Play Motor Point Index - An Acupuncturist's Guide to Locating and Treating Motor Points Manual de Navegacion a Motor/ Motor Navigation Guide (Spanish Edition) Simulation, Second Edition: Programming Methods and Applications (Statistical Modeling and Decision Science) FinFET Modeling for IC Simulation and Design: Using the BSIM-CMG Standard Variable Frequency Drives: Installation & Troubleshooting! (Practical Guides for the Industrial Technician! Book 2) Digital Electronics: A Primer : Introductory Logic Circuit Design (Icp Primers in Electronics and Computer Science) Industrial Fluid Power, Vol. 1: Basic Text on Hydraulics, Air & Vacuum for Industrial and Mobile Applications Industrial Motor Control Simulation with Arena with CD (McGraw-Hill Series in Industrial Engineering and Management) Introduction to Public Switched Telephone Networks; POTS, ISDN, DLC, DSL, and PON Technologies, Systems and Services, Second Edition Switched--Brides of the Kindred 17: (Alien Scifi BBW Romance) Someone Else's Twin: The True Story of Babies Switched at Birth

[Dmca](#)