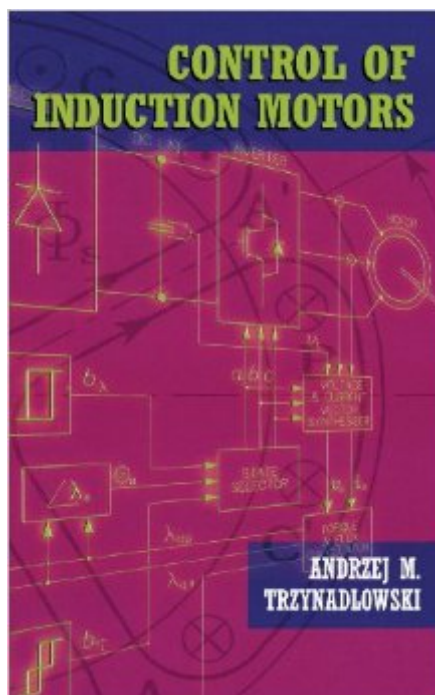


The book was found

Control Of Induction Motors (Engineering)



Synopsis

This book is a comprehensive reference source for practicing engineers and students specializing in electric power engineering and industrial electronics. It will illustrate the state of the art in induction motors. Beginning with characteristics and basic dynamic models of induction motors, and progressing to low- and high- performance drive systems. The book will be rich in useful information, without an excessive mathematical burden. Computer simulations resulting in mock oscillograms of physical quantities are used for illustration of basic control concepts. The content of this book is divided into three basic parts: 1) control-oriented description of induction motors, 2) control methods, and systems, 3) control means. An induction motor is presented as an electromechanical power converter, and basic relations between the electrical, magnetic and mechanical quantities in the motor will be explained. Control methods and systems will be classified according to the controlled variables(torque, speed, flux), actuating variables(voltage, current), and dynamic performance (uncontrolled, low-performance, and high-performance). An overview of power electronic converters and information processing equipment used in the modern induction motor drives is included. Such systematic approach will give the readers a comprehensive overview of the field of induction motor control.

Book Information

Series: Engineering

Hardcover: 228 pages

Publisher: Academic Press; 1 edition (October 16, 2000)

Language: English

ISBN-10: 0127015108

ISBN-13: 978-0127015101

Product Dimensions: 6 x 0.6 x 9 inches

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

Average Customer Review: 4.0 out of 5 starsÂ Â See all reviewsÂ (1 customer review)

Best Sellers Rank: #1,561,306 in Books (See Top 100 in Books) #209 inÂ Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Power Systems #261 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electric Machinery & Motors #316 inÂ Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Electric

Customer Reviews

Great easy to use and read book. This book was required for a course of mine but I would recommend it to anyone who is starting to learn (to a great depth) of three phase induction motors and modern motor control theory. It wasn't too long ago that the control theory introduced in this book was not technically possible, at least not a feasible cost point, now the theory in this book is common place in implementation.

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

Control of Induction Motors (Engineering) Electric Motors in the Home Workshop: A Practical Guide to Methods of Utilizing Readily Available Electric Motors in Typical Small Workshop Applications (Workshop Practice Series) Automatic On/Off Control of Small Motors & Other Home Appliances Using PIC 18F4680 Microcontroller -- A Circuit Diagram & PIC Program Code Electric Motors and Control Systems Activities Manual for Electric Motors and Control Systems w/ Constructor CD Fluid Power Pumps and Motors: Analysis, Design and Control Design of Brushless Permanent-Magnet Motors (Monographs in Electrical and Electronic Engineering) Atkins Diet Recipes Under 30 Minutes Vol. 1: Over 30 Atkins Recipes For All Phases & Includes Atkins Induction Recipes Atkins Diet Recipes Under 30 Minutes: Over 30 Atkins Recipes For All Phases (Includes Atkins Induction Recipes) (Atkins Diet Cookbook) (Volume 1) Atkins Diet Recipes Under 30 Minutes: Over 30 Atkins Recipes For All Phases (Includes Atkins Induction Recipes) (Atkins Diet Cookbook) (Volume 2) Atkins Diet Recipes Under 30 Minutes Vol. 2: Over 30 Atkins Recipes For All Phases & Includes Atkins Induction Recipes (Atkins Diet Cookbook) Electrodynamics: The Field-Free Approach: Electrostatics, Magnetism, Induction, Relativity and Field Theory (Undergraduate Lecture Notes in Physics) Hypnotic Realities: The Induction of Clinical Hypnosis and Forms of Indirect Suggestion Inhibition of Tumor Induction and Development NLP: Neuro Linguistic Programming: Re-program your control over emotions and behavior, Mind Control - 3rd Edition (Hypnosis, Meditation, Zen, Self-Hypnosis, Mind Control, CBT) Handbook of Networked and Embedded Control Systems (Control Engineering) Control Engineering, 2nd Edition (Tutorial Guides in Electronic Engineering) Running Small Motors with PIC Microcontrollers US Army Technical Manual, ARMY AMMUNITION DATA SHEETS FOR ROCKETS, ROCKET SYSTEMS, ROCKET FUZES, ROCKET MOTORS, (FSC 1340), TM 43-0001-30, 1981 eBay Motors Money Machine: How I Make \$500 a Week Selling Used Auto Parts on eBay

[Dmca](#)