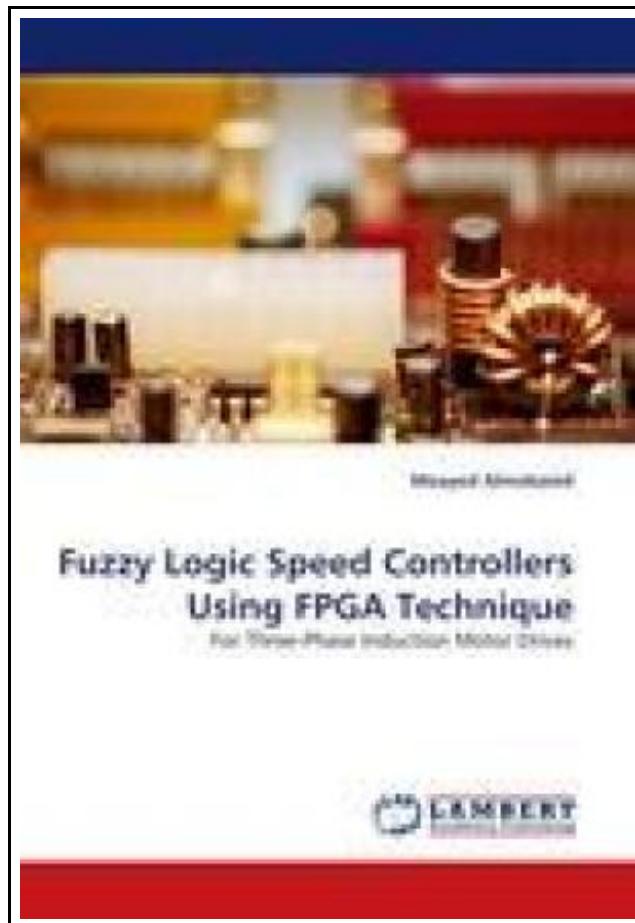


Fuzzy Logic Speed Controllers Using FPGA Technique



Filesize: 3.06 MB

Reviews

It is one of the most popular pdf. It really is full of knowledge and wisdom. It's been developed in an exceptionally easy way and it is just right after I finished reading through this publication by which really altered me, alter the way in my opinion.

(Dr. Alexa Rogahn)

FUZZY LOGIC SPEED CONTROLLERS USING FPGA TECHNIQUE

[DOWNLOAD](#)

LAP Lambert Acad. Publ. Apr 2011, 2011. Taschenbuch. Book Condition: Neu. 220x150x7 mm. This item is printed on demand - Print on Demand Neuware - In this Book, a modern FPGA card (Spartan-3A, Xilinx Company) is used to realized a novel Fuzzy- PID control strategy on a complex system; a three- phase induction motor (squirrel cage type) is selected as a case study. The Fuzzy logic control demonstrates a good performance. Furthermore, Fuzzy logic offers the advantage of a faster design, and emulation of human control strategies. Also, Fuzzy control works well for high-order and nonlinear and shows the efficiency over the PID controller. The proposed controller and the pulse width modulator (PWM) inverter algorithm which have been built in FPGA have resulted in a fast speed response and a good stability in controlling the three-phase induction motor. For comparison purpose, two widely used controllers are realized using the same FPGA kit: PID and Fuzzy. Simulations are performed using MATLAB/SIMULINK (R2009a) with varying load and speed conditions. The Fuzzy-PID control strategy outperformed both PID and Fuzzy controllers. This book will be especially useful to academics, researchers, and practitioners. 112 pp. Englisch.

[Read Fuzzy Logic Speed Controllers Using FPGA Technique Online](#)[Download PDF Fuzzy Logic Speed Controllers Using FPGA Technique](#)

You May Also Like



Klara the Cow Who Knows How to Bow (Fun Rhyming Picture Book/Bedtime Story with Farm Animals about Friendships, Being Special and Loved. Ages 2-8) (Friendship Series Book 1)

Createspace, United States, 2015. Paperback. Book Condition: New. Apoorva Dingar (illustrator). Large Print. 214 x 149 mm. Language: English . Brand New Book ***** Print on Demand *****.Klara is a little different from the other...

[Save Book »](#)



Book Finds: How to Find, Buy, and Sell Used and Rare Books (Revised)

Perigee. PAPERBACK. Book Condition: New. 0399526544 Never Read-12+ year old Paperback book with dust jacket-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I...

[Save Book »](#)



Children s Handwriting Book of Alphabets and Numbers: Over 4,000 Tracing Units for the Beginning Writer

Createspace, United States, 2015. Paperback. Book Condition: New. 254 x 203 mm. Language: English . Brand New Book ***** Print on Demand *****.The Children s Handwriting Book of Alphabets and Numbers provides extensive focus on...

[Save Book »](#)



The genuine book marketing case analysis of the the lam light. Yin Qihua Science Press 21.00(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date :2007-01-01 Pages: 244 Publisher: Science Press Welcome Our service and quality...

[Save Book »](#)



ESV Study Bible, Large Print (Hardback)

CROSSWAY BOOKS, United States, 2014. Hardback. Book Condition: New. Large Print. 249 x 178 mm. Language: English . Brand New Book. The ESV Study Bible, Large Print edition transforms the content of the award-winning ESV...

[Save Book »](#)