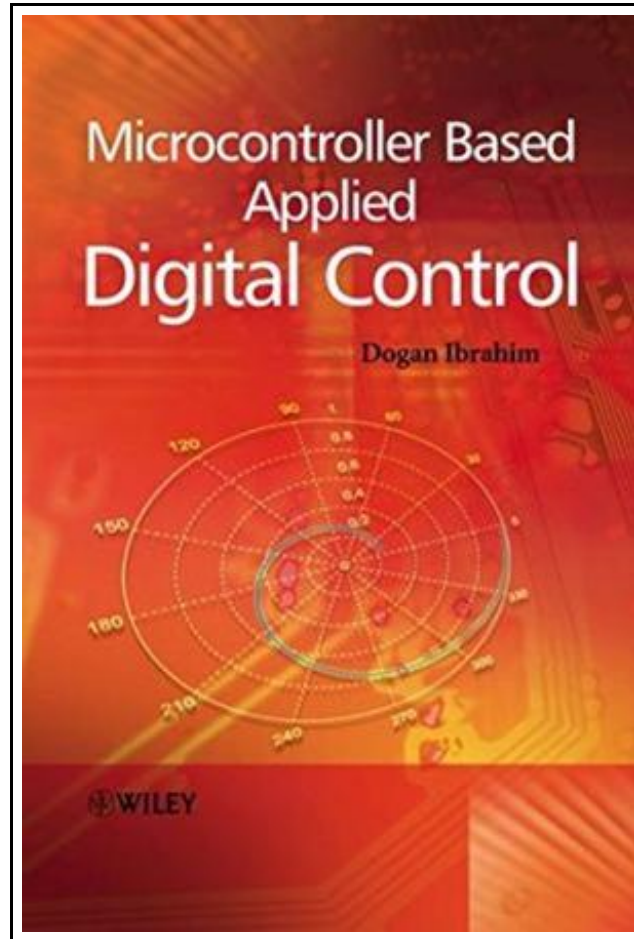


Microcontroller Based Applied Digital Control



Filesize: 4.04 MB

Reviews

A whole new e book with a brand new standpoint. I have read through and i also am certain that i am going to planning to read again yet again later on. I found out this book from my i and dad advised this pdf to learn.

(Audrey Lowe I)

MICROCONTROLLER BASED APPLIED DIGITAL CONTROL



Wiley, 2006. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: PREFACE. 1. INTRODUCTION. 1.1 The Idea Of System Control. 1.2 Computer In The Loop. 1.3 Centralized And Distributed Control Systems. 1.4 SCADA Systems. 1.5 Hardware Requirements For Computer Control. 1.6 Software Requirements For Computer Control. 1.7 Sensors Used In Computer Control. 1.8 Exercises. 2. SYSTEM MODELLING. 2.1 Mechanical Systems. 2.2 Electrical Systems. 2.3 Electromechanical Systems. 2.4 Fluid Systems. 2.5 Thermal Systems. 2.6 Exercises. 3. THE PIC MICROCONTROLLER. 3.1 The PIC Family. 3.2 Minimum PIC Configuration. 3.3 Some Popular PIC Microcontrollers. 3.4 Exercises. 4. PROGRAMMING PIC MICROCONTROLLERS. 4.1 PICC Lite Variable Types. 4.2 Variables. 4.3 Comments In Programs. 4.4 Storing Variables In The Program Memory. 4.5 Static Variables. 4.6 Volatile Variables. 4.7 Persistent Variables. 4.8 Absolute Address Variables. 4.9 Bank1 Qualifier. 4.10 Arrays. 4.11 ASCII Constants. 4.12 Arithmetic And Logic Operations. 4.13 Number Bases. 4.14 Structures. 4.15 Program Flow Control. 4.16 Functions In C. 4.17 Pointers In C. 4.18 Preprocessor Commands. 4.19 Accessing The EEPROM Memory. 4.20 Interrupts In C. 4.21 Delays In C Programs. 4.22 Structure Of A C Program. 4.23 PIC Microcontroller Input-Output Interface. 4.24 Exercises. 5. MICROCONTROLLER PROJECT DEVELOPMENT. 5.1 Hardware And Software Requirements. 5.2 Program Development Tool. 5.3 Exercises. 6. SAMPLED DATA SYSTEMS AND THE Z-TRANSFORM. 6.1 The Sampling Process. 6.2 Pulse Transfer Function And Manipulation Of Block Diagrams. 6.3 Exercises. 7. SYSTEM TIME RESPONSE CHARACTERISTICS. 7.1 Time Response Comparison. 7.2 Time Domain Specifications. 7.3 Mapping The s-plane Into Z-plane. 7.4 Damping Ration And Undamped Natural Frequency In The Z-plane. 7.5 Damping Ratio And Undamped Natural Frequency Using Formulae. 7.6 Exercises. 8. SYSTEM STABILITY. 8.1 Factorizing The Characteristic Equation. 8.2 Jury's Stability Test. 8.3 Routh-Hurwitz Criterion. 8.4 Root Locus. 8.5 Nyquist Criterion. 8.6 Bode Diagrams. 8.7 Exercises. 9. DISCRETE CONTROLLER DESIGN....



Read Microcontroller Based Applied Digital Control Online



Download PDF Microcontroller Based Applied Digital Control

Other Books



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(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 :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Save ePub »](#)



Edge] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 --- Children's Literature 2004(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: 2005 Pages: 815 Publisher: the Chinese teenager Shop Books all book....

[Save ePub »](#)



The Clever Detective Boxed Set (a Fairy Tale Romance): Stories 1, 2 and 3

Createspace, United States, 2012. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.After six years as a private investigator, Stacey Alexander has the strangest day...

[Save ePub »](#)



What is Love A Kid Friendly Interpretation of 1 John 311, 16-18 1 Corinthians 131-8 13

Teaching Christ's Children Publishing. Paperback. Book Condition: New. Daan Yahya (illustrator). Paperback. 26 pages. Dimensions: 10.0in. x 8.0in. x 0.1in.What is Love is a Bible based picture book that is designed to help children understand...

[Save ePub »](#)



TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (3-5 years) Intermediate (3)(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 :2005-09-01 Publisher: Chinese children before making Reading: All books are the...

[Save ePub »](#)