

## Embedded control system design



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## EMBEDDED CONTROL SYSTEM DESIGN



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paperback. Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 272 Publisher: University of Posts and Pub. Date :2010-8-1. The book avr atmega 16 microcontroller core data processing unit. introduce practical embedded control system design techniques. Choose the book describes the composition of some commonly used control system application circuit. the circuit according to functional classification. the unit circuit blocks were introduced in the form of system integration features required for circuit design and the corresponding control procedures. and problems with the design of training application form and function of the circuit module to expand the design of training. Integrated control system design in section. select the curriculum to facilitate the experimental micro-heater and micro DC motor as a control object. respectively. using the most widely used digital pid control algorithm and respond to complex object as a control mode fuzzy control algorithm. details of the control system design approach. Teaching purpose is to enable the reader through imitation. learning. and thus improve the design of teaching materials in instances of embedded control system design techniques to develop innovative systems integration capability. Application of all sections of the book all use the c language. easy to read and understand. Program uses a modular structure composed. easy to port to different design projects. All programs are run in the actual circuit has been verified. This book can serve as institutions of higher learning automation. mechatronics. instrumentation. electronics and computer applications in embedded control technology and other professional course materials. also available in the embedded control system design. technical officers. Contents: Chapter 1. the application of embedded control systems and automatic control of the composition 1.1 1.2 concepts and applications of computer control system composed of 1.3 MCU embedded control...



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