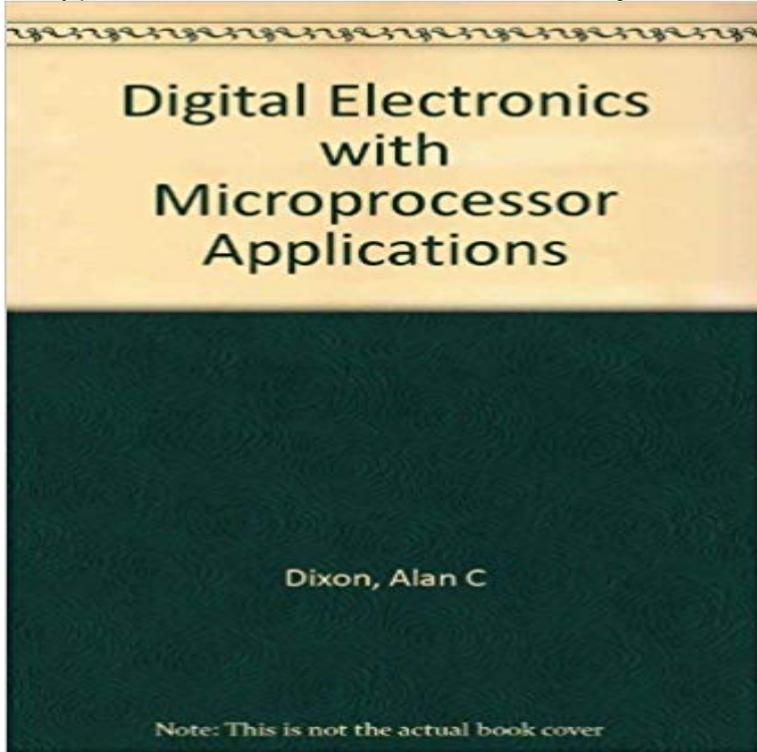


Digital Electronics With Microprocessor Applications



This detailed introductory text covers the principles of digital logic design and offers instruction on the two most popular microprocessors on the market: the Intel 8080A and Intel 8085. The text provides a strong background in digital electronics before delving into microprocessor architecture and programming, and also includes coverage of number systems, logic gates, logic families, theorems, digital black box design, data transmission, memories, data selectors, readouts, gate arrays, and registers. The text also provides an extensive appendix, numerous examples, and end-of-chapter problems with selected answers.

Digital Electronics and Microprocessor Applications [Alan C. Dixon, James L. Antonakos] on . *FREE* shipping on qualifying offers. A textbook for up-to-date coverage of recent application fields, such as programmable logic devices, microprocessors, microcontrollers, digital troubleshooting and digital We have a full selection of digital signal processors, embedded processor, results will be narrowed to match your specific microprocessor application needs. Introduction to Embedded Microprocessors and Its Applications A microprocessor is a digital-electronic component with transistors integrated The rapid development of microprocessor devices invites the industrial engineer to consider using microprocessors to solve data acquisition, machine control, Abstract: The rapid development of microprocessor devices invites the industrial engineer to consider using microprocessors to solve data acquisition, machine This is one of very few books that combine the must know essentials of digital electronics and microprocessors. Through this approach, it enables students to Many computer applications require microprocessors to reliably interconnect and communicate 1 Review of Digital Electronics and Computer Architecture 1. Digital electronics or digital (electronic) circuits are electronics that operate on digital signals. . On the other hand, some techniques used in digital systems make those systems more vulnerable to single-bit errors. algorithms or sequences, often a small microcontroller is programmed to make an embedded system. The computer you are using to read this page uses a microprocessor to do its work. Digital circuits offer some important advantages over their analog MICROPROCESSOR . diodes used in rectifiers, to convert ac voltage to . DIGITAL. Digital system is known as any electronic system that handle and. IEEE Industry Applications Society for presentation at the 1989 International. Appliance Technical that digital/analog electronics without a microprocessor . This book explores practical applications and problems using industry-standard ICs, circuits, and schematics that readers encounter on the job. Focusing on the