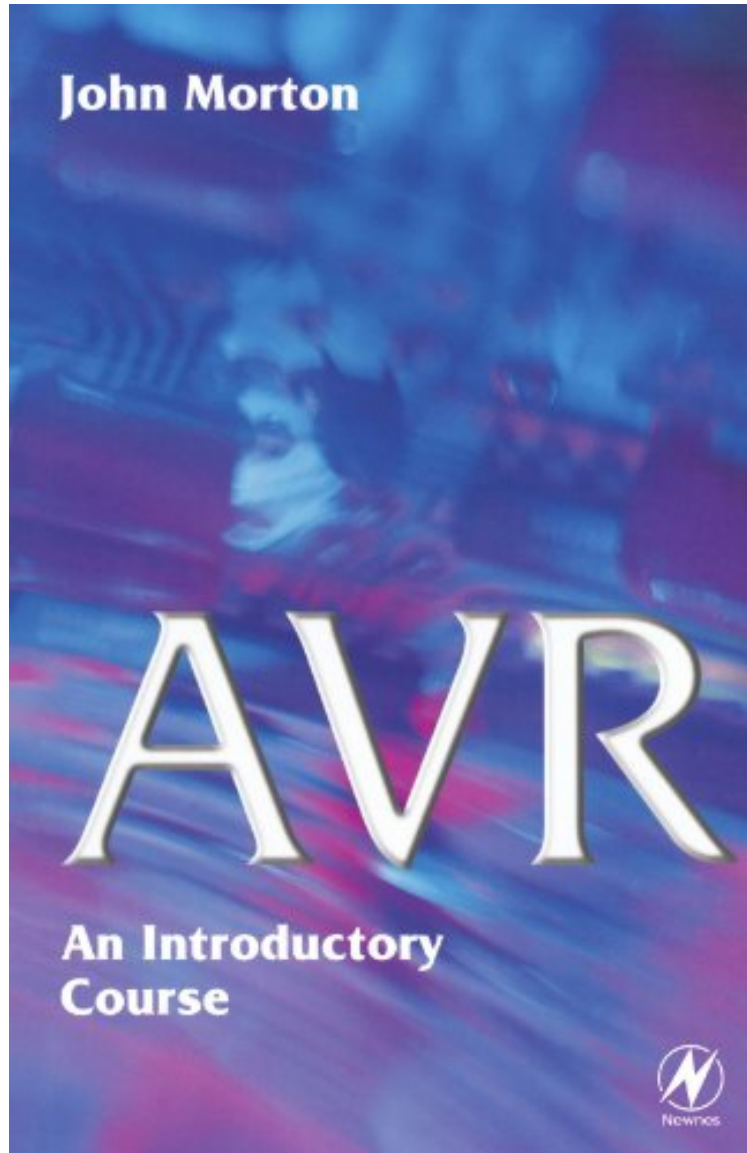


(Library ebook) AVR: An Introductory Course

AVR: An Introductory Course

John Morton

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John Morton : AVR: An Introductory Course before purchasing it in order to gage whether or not it would be worth my time, and all praised AVR: An Introductory Course:

0 of 0 people found the following review helpful. Great introductory course on the AVR MicrocontrollersBy deaconThis is an excellent introductory book on the AVR Microcontroller. It teaches the basics of assembly language programing for the AVR. I have found that assembly language programing is far superior to C language programing for the basic Input/Output programs and bit manipulation that I need to do for my experimental applications. The

reader actually writes most of the programs in this book via a series of exercises and challenges. It introduces the AVR instruction set via projects and text which fully explain each instruction and how it works. The AVR instruction set is easily applied to the entire family of AVR microcontrollers, unlike some other MCUs which each have their own set of instructions. The book goes into detail on the basic strategies that are needed for complete functional programs. I had struggled with the C language but became a true believer in the assembly language instruction set after reading only the first few sections of this book. The text also provides circuit diagrams and cleared up all of my questions about circuit issues. I am very happy with this purchase and will keep this book as a reference going forward. 0 of 0 people found the following review helpful. I was pleased to find so much value in a book this ...By Lorincz HuffI was pleased to find so much value in a book this small. This is a book for programming in Assembly. But considering the entry level processors that the author used that was a good idea. It won't be hard migrating to C language after reading this book. I lost my original copy and ended up buying a new one. I felt it was worth it. Don't worry about the small number of typos. With a data sheet you can easily figure them out. 5 of 6 people found the following review helpful. Not bad, not greatBy Pablo BridgesThis is a pretty basic book, maybe only 150 pgs (minus appendix and section with binary math refresher). There's no index (sigh). It's based on AT90S1200 and Tiny12, but more recent device types should be similar at the core level. It's a learn-as-you-go introduction, which beginners will probably appreciate. So you won't see chapters oriented by "flow control", "interrupts", "arrays", etc., but by example project. But it's got lots of example code and probably worth keeping around even for the intermediate/advanced user. Avrfreaks.com is often useful and it's free.

This book includes 15 programming and constructional projects, and covers the range of AVR chips currently available, including the recent Tiny AVR. No prior experience with microcontrollers is assumed. John Morton is author of the popular PIC: Your Personal Introductory Course, also published by Newnes. *The hands-on way of learning to use the Atmel AVR microcontroller*Project work designed to put the AVR through its paces*The only book designed to get you up-and-running with the AVR from square one

From the Back Cover*The hands-on way of learning to use the Atmel AVR microcontroller*Project work designed to put the AVR through its paces*The only book designed to get you up-and-running with the AVR from square oneA hands-on guide to getting up and running with the Atmel AVR Microcontroller Whether you are a student using the AVR microcontroller for project work or an embedded systems designer using an AVR for the first time, this is the book that will give you a kick-start in using and understanding this popular device. John Morton uses simple programs and electronic project work to put the AVR through its paces. Rather than introducing the underpinning theory or reproducing data sheets, Morton's approach to learning-through-doing offers a speedy and intuitive way to get to know the capabilities and features of the AVR - and one that appeals to busy electronics designers. The step-by-step explanations also make this an ideal book for independent study. This book includes 15 programming and constructional projects, and covers the range of AVR chips currently available, including the recent Tiny AVR. No prior experience with microcontrollers is assumed. John Morton is author of the popular PIC: Your Personal Introductory Course, also published by Newnes. About the AuthorJohn Morton is a professor at Cambridge University in the U.K.