#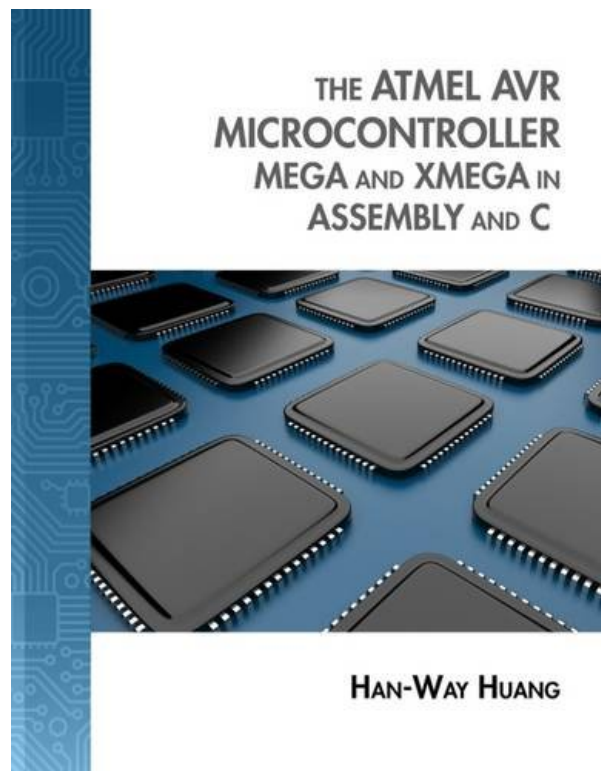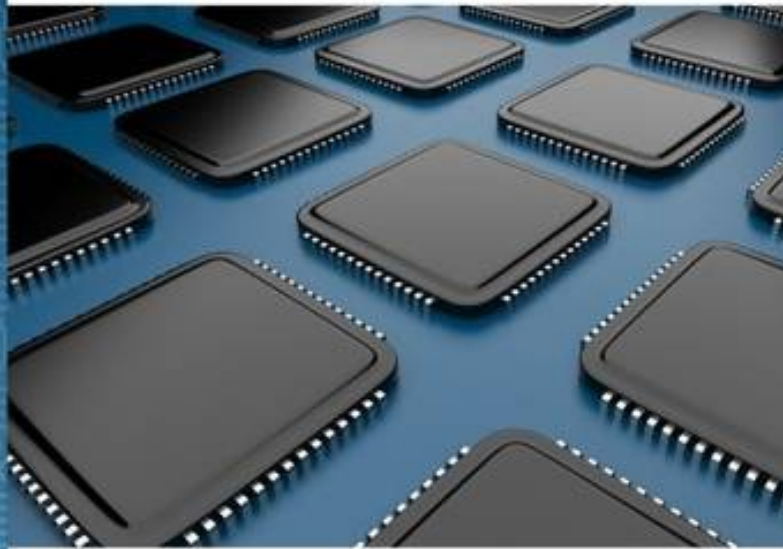 THE ATMEL AVR MICROCONTROLLER: MEGA AND XMEGA IN ASSEMBLY AND C (WITH STUDENT CD-ROM) (EXPLORE OUR NEW ELECTRONIC TECH 1ST EDITIONS) BY H

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By Dustin Kuchenbecker
This is the first book that I have every wrote a review on it and it will also be the the first book I ever return. I bought this book hoping that it would supplement what Atmel already has in its data sheets but what I found was this book was essentially the datasheet to either line of processors with a hard cover. Almost every figure is ripped straight from the data sheet as you can tell with the citations crediting Atmel and the text does very little to go beyond what is already explained in the free datasheets themselves.

The book does have some example projects that are unique and goes through them pretty well and the assembly code sections are more in depth that what you will find in the datasheets.

If you are looking for a textbook to help you with microcontroller programming save yourself the time and money and look elsewhere because this book gives you very little compared to the free datasheets that Atmel already provides.

4 of 5 people found the following review helpful.
The term "Repackaging" of datasheets is totally fare!
By Zaher
Well, I have got this text few months ago and I was reading through it in parallel with the datasheets and app notes provided by Atmel. Let's put aside the plenty of Assembly Examples given in this text, which I liked the most since I'm more comfortable programming low-level drivers, USART, SPI, and most device's peripherals in Assembly rather than in C, the rest of the book is a re-phrasing for what was given by Atmel on its website. Yes, "Repackaging" of datasheets as stated in a previous review is the perfect yet very fair description to what this text is all about!

I have found the "C Language Programming" chapter very helpful to brush up on skills I have forgotten years ago and it was a very quick review of the most important concepts in embedded C. However, for the rest of the book, I found that learning from datasheets and app notes is much easier and straight-forward for me.

Anyway, if you're a beginner, or you're looking for a tutorial-like text for learning AVRs or embedded programming, this book is an overkill for you. If you have some experience in C and uC programming, and just looking for a pure technical stuff in a very abstract manner, then go to Atmel's website as you'll find what you want. Again, this book is not beginners-friendly!

I had this impression about this book for so long now, but I just wanted to avoid being unfair in giving my opinion. Perhaps others would find it more helpful to them.

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