DSP Applications Using C And The TMS320C6x DSK

Synopsis

The TMS320C6x is Texas Instrument's next generation DSP found in over 60 percent of wireless devices from leading manufacturers such as Ericsson, Nokia, Sony, and Handspring Author has many years experience working with the TI line of TMS DSPs and his books are based on courses and seminars given at TI sponsored meetings All programs listed in the text will be available on the Wiley FTP site In addition to its wireless applications, the TMS DSP is tailored to enable a new generation of Internet media entertainment appliances

Book Information

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Customer Reviews

I am the author of this book and wanted to respond to the comments by the reader from NH. This book is not about the C6x DSK. Rather, as the title implies, it is on "DSP Applications". The book is "using C and the TMS320C6x DSK" to discuss various applications of DSP, using dozens of illustrative examples with the C6x DSK. Furthermore, the book is not meant to be primarily on the theoretical aspects of DSP. There are many fine texts on theoretical DSP. Again, as stated in the title, the intent of the book is to emphasize the applications of DSP using the C6x DSK as a medium to illustrate. I hope this helps any future readers considering my book.

As an engineer with digital design experience but little DSP application experience, I found this book to be very helpful in understanding and applying everyday DSP algorithms. The book is basically a digest containing many C coded examples of realtime DSP designs including filters, tone

generators, FFTs and other common DSP routines. They are easy to implement (all scipts are included on the accompanied CD) and are also fun to play with. Assuming you have the TMS320C6711 DSK with code composer studio(I got mine on ebay for $100), you will be realizing the designs within minutes after first opening the text. This book is not a first course in DSP. It helps to know a little about the theory (signals and systems and/or a dsp course) before diving into this text. In conclusion, if you know a little about DSP but have no experience in applying it, I highly recommend this text.

A very good book, easy to read and directed towards DSP Lab workit allows you to advances quickly in know how relative to C6000 architecture and TI DSP applications . It is a DSP technology tour that together with well designed experiments give students a high level of understanding in potential applictions in related aeas(Bioengineering, Telecommunications etc.).I strongly recommend this book for professionals and students that begin to study DSP technology.

It is a interesting book that allows students and DSP and professionals to obtain a quick satate of the art vision of TI DSP techonology. Easy to read and understand, it has good examples that I have been able to verify in the DSP Lab course I conduct. I strongly recommend this book for people that wish to advance quickly in this area and in it's applications. I would like the aurthor to consider writing similar books on DSP applications for control engineering with TI DSPs.

DSP Applications Using C and the TMS320C6x DSK Communication System Design Using DSP Algorithms: With Laboratory Experiments for the TMS320C6713TM DSK (Information Technology: Transmission, Processing and Storage) DSP without math: A brief introduction to DSP The Art of DSP: An innovative introduction to DSP Real-Time Digital Signal Processing from MATLAB® to C with the TMS320C6x DSPs, Second Edition Communication System Design Using DSP Algorithms: With Laboratory Experiments for the TMS320C6701 and TMS320C6711 (Information Technology: Transmission, Processing and Storage) Digital Media Processing: DSP Algorithms Using C Accurate Sound Reproduction Using DSP Creating HTML 5 Websites and Cloud Business Apps Using LightSwitch In Visual Studio 2013-2015: Create standalone web applications and Office 365 / SharePoint 2013 applications Active Noise Control Systems: Algorithms and DSP Implementations (Wiley Series in Telecommunications and Signal Processing) DSP Software Development Techniques for Embedded and Real-Time Systems (Embedded Technology) DSP Processor Fundamentals: Architectures and Features Advanced Mathematics for FPGA and DSP

Programmers Communications Receivers: DSP, Software Radios, and Design Advanced Mathematics for FPGA and DSP Programmers: Conquering Fixed-Point Pitfalls Mixed-signal and DSP Design Techniques (Analog Devices) DSP for Embedded and Real-Time Systems Embedded Image Processing on the TMS320C6000TM DSP: Examples in Code Composer StudioTM and MATLAB Think DSP: Digital Signal Processing in Python DSP First: A Multimedia Approach