C++ Algorithms for Digital Signal Processing

Paul Embree, Damon Danieli

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Bring the power and flexibility of C++ to all your DSP applications

The multimedia revolution has created hundreds of new uses for Digital Signal Processing, but most software guides have continued to focus on outdated languages such as FORTRAN and Pascal for managing new applications. Now C++ Algorithms for Digital Signal Processing applies object-oriented techniques to this growing field with software you can implement on your desktop PC. C++ Algorithms for Digital Signal Processing's programming methods can be used for applications as diverse as:

- Digital audio and video
- Speech and image processing
- Digital communications
- Radar, sonar, and ultrasound signal processing

Complete coverage is provided, including:

- Overviews of DSP and C++
- Hands-on study with dozens of exercises
- Extensive library of customizable source code
- Import and Export of Microsoft WAV and Matlab data files

Multimedia professionals, managers, and even advanced hobbyists will appreciate C++ Algorithms for Digital Signal Processing as much as students, engineers, and programmers. It's the ideal bridge between programming and signal processing, and a valuable reference for experts in either field.

Source code for all of the DSP programs and DSP data associated with the examples discussed in this book and Appendix B and the file README.TXT which provide more information about how to compile and run the programs can be downloaded from www.informit.com/title/9780131791442

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