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ISBN	1-280-44902-0 9786610449026 0-470-03552-8 0-470-03551-X
Edizione	[Second edition.]
Descrizione fisica	1 online resource (666 p.)
Disciplina	621.3822
Soggetti	Signal processing - Digital techniques Texas Instruments TMS320 series microprocessors
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Real-Time Digital Signal Processing; Contents; Preface; 1 Introduction to Real-Time Digital Signal Processing; 2 Introduction to TMS320C55x Digital Signal Processor; 3 DSP Fundamentals and Implementation Considerations; 4 Design and Implementation of FIR Filters; 5 Design and Implementation of IIR Filters; 6 Frequency Analysis and Fast Fourier Transform; 7 Adaptive Filtering; 8 Digital Signal Generators; 9 Dual-Tone Multifrequency Detection; 10 Adaptive Echo Cancelation; 11 Speech-Coding Techniques; 12 Speech Enhancement Techniques; 13 Audio Signal Processing; 14 Channel Coding Techniques 15 Introduction to Digital Image Processing Appendix A Some Useful Formulas and Definitions; Appendix B Software Organization and List of Experiments; Index;
Sommario/riassunto	Real-time Digital Signal Processing: Implementations and Applications has been completely updated and revised for the 2nd edition and remains the only book on DSP to provide an overview of DSP theory and programming with hands-on experiments using MATLAB.

