1. Record Nr. UNINA990005100540403321

Autore	Richardson, Lawrence <jr.>
Titolo	Poetical theory in republican Rome : An analytical discussion of the shorter narrative hexameter poems written in latin during the first century before Christ / by Lawrence Richardson Jr
Pubbl/distr/stampa	New Haven [etc.] : Yale University Press [etc.], 1944
Descrizione fisica	173 p. ; 24 cm
Collana	Undergraduate prize essays ; 5
Locazione	FLFBC
Collocazione	2/I F 9
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910452968103321

Autore	Kuo Sen M (Sen-Maw)
Titolo	Real-time digital signal processing [[electronic resource]] : fundamentals, implementations and applications / / Sen M. Kuo, Bob H. Lee, Wenshun Tian
Pubbl/distr/stampa	Chichester, West Sussex, : Wiley, 2013
ISBN	1-118-70668-4 1-118-70670-6 1-118-70669-2
Edizione	[3rd ed.]
Descrizione fisica	1 online resource (566 p.)
Altri autori (Persone)	LeeBob H TianWenshun
Disciplina	621.382/2
Soggetti	Signal processing - Digital techniques Texas Instruments TMS320 series microprocessors Electronic books.
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 and index.
Nota di contenuto	Real-Time Digital Signal Processing: Fundamentals, implementations and applications; Contents; Preface; Acknowledgments; 1 Introduction to Real-Time Digital Signal Processing; 1.1 Basic Elements of Real-Time DSP Systems; 1.2 Analog Interface; 1.2.1 Sampling; 1.2.2 Quantization and Encoding; 1.2.3 Smoothing Filters; 1.2.4 Data Converters; 1.3 DSP Hardware; 1.3.1 DSP Hardware Options; 1.3.2 Digital Signal Processors; 1.3.3 Fixed- and Floating-Point Processors; 1.3.4 Real-Time Constraints; 1.4 DSP System Design; 1.4.1 Algorithm Development; 1.4.2 Selection of DSP Hardware 1.4.3 Software Development1.4.4 Software Development Tools; 1.5 Experiments and Program Examples; 1.5.1 Get Started with CCS and eZdsp; 1.5.2 C File I/O Functions; 1.5.3 User Interface for eZdsp; 1.5.4 Audio Playback Using eZdsp; 1.5.5 Audio Loopback Using eZdsp; Exercises; References; 2 DSP Fundamentals and Implementation Considerations; 2.1 Digital Signals and Systems; 2.1.1 Elementary Digital Signals; 2.1.2 Block Diagram Representation of Digital Systems; 2.2 System Concepts; 2.2.1 LTI Systems; 2.2.2 The z-transform; 2.2.3 Transfer Functions; 2.2.4 Poles and Zeros 2.2.5 Frequency Responses2.2.6 Discrete Fourier Transform; 2.3 Introduction to Random Variables; 2.3.1 Review of Random Variables; 2.3.2 Operations of Random Variables; 2.4 Fixed-Point Representations and Quantization Effects; 2.4.1 Fixed-Point Formats; 2.4.2 Quantization Errors; 2.4.3 Signal Quantization; 2.4.4 Coefficient Quantization; 2.4.5 Roundoff Noise; 2.4.6 Fixed-Point Toolbox; 2.5 Overflow and Solutions; 2.5.1 Saturation Arithmetic; 2.5.2 Overflow Handling; 2.5.3 Scaling of Signals; 2.5.4 Guard Bits; 2.6 Experiments and Program Examples; 2.6.1 Overflow and Saturation Arithmetic 2.6.2 Function Approximations2.6.3 Real-Time Signal Generation Using eZdsp; Exercises; References; 3 Design and Implementation of FIR Filters; 3.1 Introduction to FIR Filters; 3.1.1 Filter Characteristics; 3.1.2 Filter Types; 3.1.3 Filter Specifications; 3.1.4 Linear Phase FIR Filters; 3.1.5 Realization of FIR Filters; 3.2 Design of FIR Filters; 3.2.1 Fourier Series Method; 3.2.2 Gibbs Phenomenon; 3.2.3 Window Functions; 3.2.4 Design of FIR Filters Using MATLAB®; 3.2.5 Design of FIR Filters Using the FDATool; 3.3 Implementation Considerations; 3.3.1 Quantization Effects in FIR Filters 3.3.2 MATLAB® Implementations3.3.3 Floating-Point C Implementations; 3.3.4 Fixed-Point C Implementations; 3.4 Applications: Interpolation and Decimation Filters; 3.4.1 Interpolation; 3.4.2 Decimation; 3.4.3 Sampling Rate Conversion; 3.4.4 MATLAB® Implementations; 3.5 Experiments and Program Examples; 3.5.1 FIR Filtering Using Fixed-Point C; 3.5.2 FIR Filtering Using C55xx Assembly Program; 3.5.3 Symmetric FIR Filtering Using C55xx Assembly Program; 3.5.4 Optimization Using Dual-MAC Architecture; 3.5.5 Real-Time FIR Filtering; 3.5.6 Decimation Using C and Assembly Programs 3.5.7 Interpolation Using Fixed-Point C
Sommario/riassunto	"Real-Time Digital Signal Processing introduces fundamental digital signal processing (DSP) principles and will be updated to include the latest DSP applications, introduce new software development tools and adjust the software design process to reflect the latest advances in the field. In the 3rd edition of the book, the key aspect of hands-on experiments will be enhanced to make the DSP principles more interesting and directly interact with the real-world applications. All of the programs will be carefully updated using the most recent version of software development tools and the new TMS320VC5505 eZdsp USB

Stick for real-time experiments. Due to its lower cost and portability, the new software and hardware tools are now widely used in university labs and in commercial industrial companies to replace the older and more expensive generation. The new edition will have a renewed focus on real-time applications and will offer step-by-step hands-on experiments for a complete design cycle starting from floating-point C language program to fixed-point C implementation, code optimization using INTRINSICS, and mixed C-and-assembly programming on fixed-point DSP processors. This new methodology enables readers to concentrate on learning DSP fundamentals and innovative applications by relaxing the intensive programming efforts, namely, the traditional DSP assembly coding efforts. The book is organized into two parts; Part One introduces the digital signal processing principles and theories, and Part Two focuses on practical applications. The topics for the applications are the extensions of the theories in Part One with an emphasis placed on the hands-on experiments, systematic design and implementation approaches. The applications provided in the book are carefully chosen to reflect current advances of DSP that are of most relevance for the intended readership"--

3. Record Nr. UNINA9910822931203321

Autore	Cherednikov Igor Olegovich
Titolo	Wilson lines in quantum field theory / / Igor Olegovich Cherednikov, Tom Mertens, Frederik F. Van der Veken
Pubbl/distr/stampa	Berlin, [Germany] ; ; Boston, [Massachusetts] : , : De Gruyter, , 2014 ©2014
ISBN	3-11-038293-8 3-11-030921-1
Descrizione fisica	1 online resource (269 p.)
Collana	De Gruyter Studies in Mathematical Physics, , 2194-3532 ; ; Volume 24
Classificazione	UO 4060
Disciplina	530.14/35
Soggetti	Loops (Group theory) Quantum field theory - Mathematics Gauge fields (Physics)
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 and index.
Nota di contenuto	Front matter -- Preface -- Contents -- 1 Introduction: What are Wilson lines? -- 2 Prolegomena to the mathematical theory of Wilson lines -- 3 The group of generalized loops and its Lie algebra -- 4 Shape variations in the loop space -- 5 Wilson lines in high-energy QCD -- A. Mathematical vocabulary -- B. Notations and conventions in quantum field theory -- C. Color algebra -- D. Brief literature guide -- Bibliography -- Index
Sommario/riassunto	Wilson lines (also known as gauge links or eikonal lines) can be introduced in any gauge field theory. Although the concept of the Wilson exponentials finds an enormously wide range of applications in a variety of branches of modern quantum field theory, from condensed matter and lattice simulations to quantum chromodynamics, high-energy effective theories and gravity, there are surprisingly few books or textbooks on the market which contain comprehensive pedagogical introduction and consecutive exposition of the subject. The objective of this book is to get the potential reader acquainted with theoretical and mathematical foundations of the concept of the Wilson loops in the context of modern quantum field theory, to teach him/her to perform independently some elementary calculations with Wilson lines, and to

familiarize him/her with the recent development of the subject in different important areas of research. The target audience of the book consists of graduate and postgraduate students working in various areas of quantum field theory, as well as researchers from other fields.