

1. Record Nr.	UNINA990006132140403321
Titolo	Staat und Völkerrechtsordnung : Festschrift für Karl Doebling / hrsg. von Kay Hailbronner, Georg Ress, Torsten Stein
Pubbl/distr/stampa	Berlin : Springer, 1989
ISBN	3-540-50312-9
Descrizione fisica	XIV-1067 p. ; 24 cm
Collana	Beiträge zum ausländischen öffentlichen Recht und Völkerrecht ; 98
Disciplina	341
Locazione	FGBC DEC
Collocazione	X O 7 (98) DI 5/912
Lingua di pubblicazione	Tedesco Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2.	Record Nr.	UNISALENTO991000399469707536
	Autore	Abita, Salvatore
	Titolo	Le armi al tempo dei Borbone / a cura di Salvatore Abita
	Pubbl/distr/stampa	Napoli : Edizione scientifiche italiane, c1998
	ISBN	8881146991
	Descrizione fisica	227 p. ; 29 cm.
	Disciplina	739.7
	Soggetti	Armi - Regno di Napoli - Storia
	Lingua di pubblicazione	Italiano
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
3.	Record Nr.	UNINA9910830336103321
	Autore	Wang Bu-Chin
	Titolo	Digital signal processing techniques and applications in radar image processing [[electronic resource] /] / Bu-Chin Wang
	Pubbl/distr/stampa	Hoboken, N.J., : John Wiley, c2008
	ISBN	1-281-76670-4 9786611766702 0-470-37776-3 0-470-37782-8
	Descrizione fisica	1 online resource (368 p.)
	Collana	Wiley series on information and communications technologies
	Disciplina	621.36/78 621.3822
	Soggetti	Signal processing - Digital techniques Remote sensing
	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 (p. 333) and index.

DIGITAL SIGNAL PROCESSING TECHNIQUES AND APPLICATIONS IN RADAR IMAGE PROCESSING; CONTENTS; Preface; Acknowledgment; List of Symbols; List of Illustrations; 1 Signal Theory and Analysis; 1.1 Special Functions Used in Signal Processing; 1.1.1 Delta or Impulse Function ($\delta(t)$); 1.1.2 Sampling or Interpolation Function $\text{sinc}(t)$; 1.2 Linear System and Convolution; 1.2.1 Key Properties of Convolution; 1.2.1.1 Commutative; 1.2.1.2 Associative; 1.2.1.3 Distributive; 1.2.1.4 Timeshift; 1.3 Fourier Series Representation of Periodic Signals; 1.3.1 Trigonometric Fourier Series; 1.3.2 Compact Trigonometric Fourier Series; 1.3.3 Exponential Fourier Series; 1.4 Nonperiodic Signal Representation by Fourier Transform; 1.5 Fourier Transform of a Periodic Signal; 1.6 Sampling Theory and Interpolation; 1.7 Advanced Sampling Techniques; 1.7.1 Sampling with Bandpass Signal; 1.7.2 Resampling by Evenly Spaced Decimation; 1.7.3 Resampling by Evenly Spaced Interpolation; 1.7.4 Resampling by Fractional Rate Interpolation; 1.7.5 Resampling from Unevenly Spaced Data; 1.7.5.1 Jacobian of Transformation; 2 Discrete Time and Frequency Transformation; 2.1 Continuous and Discrete Fourier Transform; 2.2 Key Properties of Discrete Fourier Transform; 2.2.1 Shifting and Symmetry; 2.2.2 Linear and Circular Convolution; 2.2.3 Sectioned Convolution; 2.2.3.1 Overlap-and-Add Method; 2.2.3.2 Overlap-and-Save Method; 2.2.4 Zero Stuffing and Discrete Fourier Transform (DFT) Resolution; 2.3 Widows and Discrete Fourier Transform; 2.4 Fast Fourier Transform; 2.4.1 Radix-2 Fast Fourier Transform (FFT) Algorithms; 2.5 Discrete Cosine Transform (DCT); 2.5.1 Two-Dimensional DCT; 2.6 Continuous and Discrete Signals in Time and Frequency Domains; 2.6.1 Graphical Representation of DFT; 2.6.2 Resampling with Fractional Interpolation Based on DFT; 3 Basics of Antenna Theory; 3.1 Maxwell and Wave Equations; 3.1.1 Harmonic Time Dependence; 3.2 Radiation from an Infinitesimal Current Dipole; 3.2.1 Magnetic Vector Potential Due to a Small but Finite Current Element; 3.2.2 Field Vectors Due to Small but Finite Current Radiation; 3.2.3 Far-Field Region; 3.2.4 Summary of Radiation Fields; 3.3 Radiation from a Half-Wavelength Dipole; 3.4 Radiation from a Linear Array; 3.4.1 Power Radiation Pattern from a Linear Array; 3.5 Power Radiation Pattern from a 2D Rectangular Array; 3.6 Fundamentals of Antenna Parameters; 3.6.1 Radiation Beamwidth; 3.6.2 Solid Angle, Power Density, and Radiation Intensity; 3.6.3 Directivity and Gain; 3.6.4 Antenna Impedance; 3.6.5 Antenna Efficiency; 3.6.6 Effective Area and Antenna Gain; 3.6.7 Polarization; 3.7 Commonly Used Antenna Geometries; 3.7.1 Single-Element Radiators; 3.7.2 Microstrip Antennas and Antenna Array; 4 Fundamentals of Radar; 4.1 Principles of Radar Operation; 4.2 Basic Configuration of Radar; 4.2.1 Waveform Generator; 4.2.2 Transmitter; 4.2.3 Antenna System; 4.2.4 Receiver

Sommario/riassunto

A self-contained approach to DSP techniques and applications in radar imaging. The processing of radar images, in general, consists of three major fields: Digital Signal Processing (DSP); antenna and radar operation; and algorithms used to process the radar images. This book brings together material from these different areas to allow readers to gain a thorough understanding of how radar images are processed. The book is divided into three main parts and covers: * DSP principles and signal characteristics in both analog and digital domains, advanced signal sampling, and