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Nota di contenuto	JPEG2000 Standard for Image Compression; Contents; Preface; 1 Introduction to Data Compression; 1.1 Introduction; 1.2 Why Compression?; 1.2.1 Advantages of Data Compression; 1.2.2 Disadvantages of Data Compression; 1.3 Information Theory Concepts; 1.3.1 Discrete Memoryless Model and Entropy; 1.3.2 Noiseless Source Coding Theorem; 1.3.3 Unique Decipherability; 1.4 Classification of Compression algorithms; 1.5 A Data Compression Model; 1.6 Compression Performance; 1.6.1 Compression Ratio and Bits per Sample; 1.6.2 Quality Metrics; 1.6.3 Coding Delay; 1.6.4 Coding Complexity 1.7 Overview of Image Compression 1.8 Multimedia Data Compression Standards; 1.8.1 Still Image Coding Standard; 1.8.2 Video Coding Standards; 1.8.3 Audio Coding Standard; 1.8.4 Text Compression; 1.9 Summary; References; 2 Source Coding Algorithms; 2.1 Run-length Coding; 2.2 Huffman Coding; 2.2.1 Limitations of Huffman Coding; 2.2.2 Modified Huffman Coding; 2.3 Arithmetic Coding; 2.3.1 Encoding Algorithm; 2.3.2 Decoding Algorithm; 2.4 Binary Arithmetic Coding;

2.4.1 Implementation with Integer Mathematics; 2.4.2 The QM-Coder; 2.5 Ziv-Lempel Coding; 2.5.1 The LZ77 Algorithm; 2.5.2 The LZ78 Algorithm; 2.5.3 The LZW Algorithm; 2.6 Summary; References; 3 JPEG: Still Image Compression Standard; 3.1 Introduction; 3.2 The JPEG Lossless Coding Algorithm; 3.3 Baseline JPEG Compression; 3.3.1 Color Space Conversion; 3.3.2 Source Image Data Arrangement; 3.3.3 The Baseline Compression Algorithm; 3.3.4 Discrete Cosine Transform; 3.3.5 Coding the DCT Coefficients; 3.3.6 Decompression Process in Baseline JPEG; 3.4 Progressive DCT-based Mode; 3.5 Hierarchical Mode; 3.6 Summary; References; 4 Introduction to Discrete Wavelet Transform; 4.1 Introduction; 4.2 Wavelet Transforms
4.2.1 Discrete Wavelet Transforms 4.2.2 Concept of Multiresolution Analysis; 4.2.3 Implementation by Filters and the Pyramid Algorithm; 4.3 Extension to Two-Dimensional Signals; 4.4 Lifting Implementation of the Discrete Wavelet Transform; 4.4.1 Finite Impulse Response Filter and Z-transform; 4.4.2 Euclidean Algorithm for Laurent Polynomials; 4.4.3 Perfect Reconstruction and Polyphase Representation of Filters; 4.4.4 Lifting; 4.4.5 Data Dependency Diagram for Lifting Computation; 4.5 Why Do We Care About Lifting?; 4.6 Summary; References; 5 VLSI Architectures for Discrete Wavelet Transforms
5.1 Introduction 5.2 A VLSI Architecture for the Convolution Approach; 5.2.1 Mapping the DWT in a Semi-Systolic Architecture; 5.2.2 Mapping the Inverse DWT in a Semi-Systolic Architecture; 5.2.3 Unified Architecture for DWT and Inverse DWT; 5.3 VLSI Architectures for Lifting-based DWT; 5.3.1 Mapping the Data Dependency Diagram in Pipeline Architectures; 5.3.2 Enhanced Pipeline Architecture by Folding; 5.3.3 Flipping Architecture; 5.3.4 A Register Allocation Scheme for Lifting; 5.3.5 A Recursive Architecture for Lifting; 5.3.6 A DSP-Type Architecture for Lifting
5.3.7 A Generalized and Highly Programmable Architecture for Lifting

Sommario/riassunto

JPEG2000 Standard for Image Compression presents readers with the basic background to this multimedia compression technique and prepares the reader for a detailed understanding of the JPEG2000 standard, using both the underlying theory and the principles behind the algorithms of the JPEG2000 standard for scalable image compression. It introduces the VLSI architectures and algorithms for implementation of the JPEG2000 standard in hardware (not available in the current literature), an important technology for a number of image processing applications and devices such as digital camera, color fax

2. Record Nr.	UNINA9910337691303321
Titolo	Anton Marty and Contemporary Philosophy // edited by Giuliano Bacigalupo, Hélène Leblanc
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Soggetti	Analysis (Philosophy) Philosophy - History Philosophy and social sciences Language and languages - Philosophy Metaphysics Analytic Philosophy History of Philosophy Philosophy of the Social Sciences Philosophy of Language
Lingua di pubblicazione	Inglese
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Nota di contenuto	Chapter 1- Introduction; Giuliano Bacigalupo and Hélène Leblanc -- Part I- Language and communication -- Chapter 2- Natural Meaning and the Foundations of Human Communication: A Comparison between Marty and Grice; François Recanati -- Chapter 3- How a Statement has Meaning by Expressing a Judgement - Brentano versus Marty on Utterance Meaning; Marx Textor -- Chapter 4- Determining and Modifying Attributes; Jan Claas and Benjamin Schnieder -- Part II- Ontology and Consciousness of Space and Time -- Chapter 5- A Presentation and Defense of Anton Marty's Conception of Space; Ingvar Johansson -- Chapter 6- Raum and 'room': Comments on Anton Marty on space perception; Clare Mac Cumhaill -- Chapter 7- Experiencing Change: Extensionalism, Retentionalism, and Marty's Hybrid Account;

Thomas B. Sattig -- Part III- Meta-metaphysics and Meta-philosophy -- Chapter 8- A syncretistic view of existence and Marty's relation to it; Alberto Voltolini -- Chapter 9- Misleading Pictures, Temptations & Meta-philosophies: Marty and Wittgenstein; Kevin Mulligan.

Sommario/riassunto

This edited collection of eight original essays pursues the aim of bringing the spotlight back on Anton Marty. It does so by having leading figures in the contemporary debate confront themselves with Marty's most significative contributions, which span from philosophy of mind, philosophy of language and ontology to meta-metaphysics and meta-philosophy. The book is divided in three parts. The first part is dedicated to themes in philosophy of language, which were at the centre of Marty's philosophical thinking throughout his life. The second part focuses on the problem of the objectivity and phenomenology of time and space, upon which Marty was working in the final years of his life. The final part turns to Marty's meta-metaphysical and meta-philosophical considerations. The intended audience of this book are primarily scholars and students interested in the relevant contemporary debates, as well as scholars working on the Austrian tradition. Giuliano Bacigalupo has held positions at the University of Geneva, Switzerland, the University of Konstanz, Germany, and Seattle University, USA. He has published several papers on the Austro-German tradition and he is author of the book *A Study on Existence* (Cambridge Scholars, 2017). Hélène Leblanc is a Postdoctoral Research Fellow at the University of Geneva, Switzerland. She earned her PhD in Philosophy (Lille/Lecce) with a thesis on semiotic theories in Early Modern Philosophy and has published several papers on this topic. Recently, she edited the thematic issue *Beauty and Ugliness in the Austro-German Tradition* for the Italian journal *Paradigmi*.
