

1. Record Nr.	UNINA9910555286403321
Autore	Van Fleet Patrick J. <1962->
Titolo	Discrete wavelet transformations [[electronic resource] ] : an elementary approach with applications // Patrick J. Van Fleet
Pubbl/distr/stampa	Hoboken, N.J., : Wiley, 2019
ISBN	1-118-97931-1 1-119-55541-8 1-118-97932-X
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (xxvii, 587 p.) : ill
Disciplina	515.2433
Soggetti	Wavelets (Mathematics) Transformations (Mathematics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Previous ed.: 2008.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction : why wavelets? -- 2. Vectors and matrices -- 3. An introduction to digital images -- 4. The haar wavelet transformation -- 5. Daubechies wavelet transformations -- 6. Wavelet shrinkage : an application to denoising -- 7. Biorthogonal wavelet transformations -- 8. Complex numbers and Fourier series -- 9. Filter construction in the Fourier domain -- 10. Wavelet packets -- 11. Lifting -- 12. The JPEG2000 image compression standard -- A. Basic statistics.
Sommario/riassunto	The new edition of Discrete Wavelet Transformations continues to guide readers through the abstract concepts of wavelet theory by using Dr. Van Fleet's highly practical, application-based approach, which reflects how mathematicians construct solutions to challenges outside the classroom. By introducing the Haar, orthogonal, and biorthogonal filters without the use of Fourier series, Van Fleet allows his audience to connect concepts directly to real-world applications at an earlier point than other publications in the field. Leveraging extensive graphical displays, this self-contained volume integrates concepts from calculus and linear algebra into the constructions of wavelet transformations and their applications, including data compression, edge detection in images and denoising of signals. Conceptual understanding is reinforced with over 500 detailed exercises and 24 computer labs. The

second edition discusses new applications including image segmentation, pansharpener, and the FBI fingerprint compression specification. Other notable features include: Two new chapters covering wavelet packets and the lifting method; A reorganization of the presentation so that basic filters can be constructed without the use of Fourier techniques; A new comprehensive chapter that explains filter derivation using Fourier techniques; Over 120 examples of which 91 are "live examples," which allow the reader to quickly reproduce these examples in Mathematica or MATLAB and deepen conceptual mastery; An overview of digital image basics, equipping readers with the tools they need to understand the image processing applications presented; A complete rewrite of the DiscreteWavelets package called WaveletWare for use with Mathematica and MATLAB; A website, [www.stthomas.edu/wavelets](http://www.stthomas.edu/wavelets), featuring material containing the WaveletWare package, live examples, and computer labs in addition to companion material for teaching a course using the book. Comprehensive and grounded, this book and its online components provide an excellent foundation for developing undergraduate courses as well as a valuable resource for mathematicians, signal process engineers, and other professionals seeking to understand the practical applications of discrete wavelet transformations in solving real-world challenges.

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2. Record Nr.	UNINA9910964533103321
Autore	
Titolo	1000
Pubbl/distr/stampa	New York : , : Parkstone International, , 2014 ©2014
ISBN	9781785251467 1785251465
Edizione	[1st ed.]
Descrizione fisica	1 online resource (1332 pages)
Altri autori (Persone)	
Disciplina	730.9
Soggetti	Sculpture Art, Renaissance
Lingua di pubblicazione	Russo
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro -- -- -- -- : -- -- -- -- -- XX -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- -- XVII . -- XVIII . -- XIX-XX . -- XIX -- XX -- .
Sommario/riassunto	This book provides an in-depth exploration of the history and development of sculpture from antiquity through to the 20th century. It covers the influence of ancient Greek and Roman art, the transformation during the Middle Ages, and the revival of classical styles during the Renaissance and Baroque periods. The book also examines the evolution of sculpture into modern times, highlighting

key artists and movements that have shaped the art form. Intended for art historians, students, and enthusiasts, it offers a comprehensive overview of sculpture's role in cultural and artistic history.

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