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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. What is this book all about? -- 2. Mathematical preliminary -- 3. Fourier analysis -- 4. Time-frequency analysis -- 5. Multiresolution analysis -- 6. Construction of wavelets -- 7. DWT and filter bank algorithms -- 8. Special topics in wavelets and algorithms -- 9. Digital signal processing applications -- 10. Wavelets in boundary value problems.
Sommario/riassunto	"Most existing books on wavelets are either too mathematical or they focus on too narrow a specialty. This book provides a thorough treatment of the subject from an engineering point of view. It is a one-stop source of theory, algorithms, applications, and computer codes related to wavelets. This second edition has been updated by the addition of: a section on "Other Wavelets" that describes curvelets, ridgelets, lifting wavelets, etc. a section on lifting algorithms Sections on Edge Detection and Geophysical Applications Section on

Multiresolution Time Domain Method (MRTD) and on Inverse problems."
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