



A First Course in Wavelets with Fourier Analysis (Hardback)

By Albert Boggess, Francis J. Narcowich

John Wiley and Sons Ltd, United States, 2009. Hardback. Condition: New. 2nd Edition. Language: English . Brand New Book. A comprehensive, self-contained treatment of Fourier analysis and wavelets now in a new edition Through expansive coverage and easy-to-follow explanations, A First Course in Wavelets with Fourier Analysis, Second Edition provides a self-contained mathematical treatment of Fourier analysis and wavelets, while uniquely presenting signal analysis applications and problems. Essential and fundamental ideas are presented in an effort to make the book accessible to a broad audience, and, in addition, their applications to signal processing are kept at an elementary level. The book begins with an introduction to vector spaces, inner product spaces, and other preliminary topics in analysis. Subsequent chapters feature: The development of a Fourier series, Fourier transform, and discrete Fourier analysis Improved sections devoted to continuous wavelets and two-dimensional wavelets The analysis of Haar, Shannon, and linear spline wavelets The general theory of multi-resolution analysis Updated MATLAB code and expanded applications to signal processing The construction, smoothness, and computation of Daubechies wavelets Advanced topics such as wavelets in higher dimensions, decomposition and reconstruction, and wavelet transform Applications to signal processing are provided throughout the book, most involving the filtering...



READ ONLINE
[7.32 MB]

Reviews

This publication is amazing. It is definitely basic but shocks in the fifty percent of your publication. You wont feel monotony at anytime of your own time (that's what catalogues are for concerning if you question me).

-- Prof. Kirk Cruickshank DDS

This kind of book is every little thing and taught me to looking ahead of time and a lot more. I am quite late in start reading this one, but better then never. I found out this book from my dad and i encouraged this pdf to find out.

-- Justus Hettinger