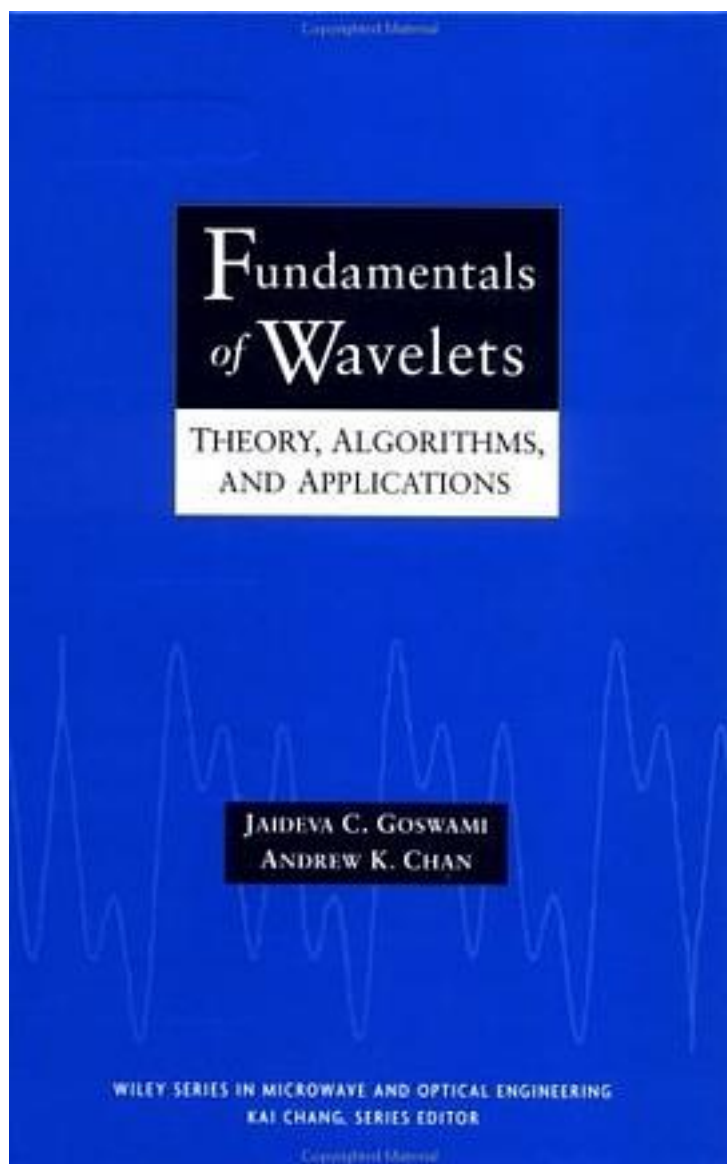# Fundamentals of Wavelets

[Fundamentals of Wavelets_下载链接1_](#)

著者:Jaideva C. Goswami

出版者:Wiley-Interscience

出版时间:1999-02-16

装帧:Hardcover

isbn:9780471197485

Wavelet theory originated from research activities in many areas of science and engineering. As a result, it finds applications in a wide range of practical problems. Wavelet techniques are specifically suited for nonstationary signals for which classic Fourier methods are ineffective. Based on courses taught by the authors at Texas A&M University as well as related conferences, Fundamentals of Wavelets is a textbook offering an up-to-date engineering approach to wavelet theory. It balances a discussion of wavelet theory and algorithms with its far-ranging practical applications in signal processing, image processing, electromagnetic wave scattering, and boundary value problems. In a clear, progressive format, the book describes: Basic concepts of linear algebra, Fourier analysis, and discrete signal analysis Theoretical aspects of time-frequency analysis and multiresolution analysis Construction of various wavelets Algorithms for computing wavelet transformations. Concluding chapters present interesting applications of wavelets to signal processing and boundary value problems. Fundamentals of Wavelets is an essential introduction to wavelet theory for students and professionals alike in a practical, real-world engineering context.

作者介绍:

目录:

[Fundamentals of Wavelets_下载链接1_](#)

标签

计算机科学

数学

of

and

Wavelets

Theory

Fundamentals

Applications

评论

[Fundamentals of Wavelets_下载链接1_](#)

书评

[Fundamentals of Wavelets_下载链接1_](#)