Wavelet Methods for Pointwise Regularity and Local Oscillations of Functions (Memoirs of the American Mathematical Society)

Stephane Jaffard, Yves Meyer

[Click here](#) if your download doesn"t start automatically

Wavelet Methods for Pointwise Regularity and Local Oscillations of Functions (Memoirs of the American Mathematical Society)

Stephane Jaffard, Yves Meyer

Wavelet Methods for Pointwise Regularity and Local Oscillations of Functions (Memoirs of the American Mathematical Society) Stephane Jaffard, Yves Meyer
Currently, new trends in mathematics are emerging from the fruitful interaction between signal processing, image processing, and classical analysis.

One example is given by "wavelets", which incorporate both the know-how of the Calderon-Zygmund school and the efficiency of some fast algorithms developed in signal processing (quadrature mirror filters and pyramidal algorithms.)

A second example is "multi-fractal analysis". The initial motivation was the study of fully developed turbulence and the introduction by Frisch and Parisi of the multi-fractal spectrum. Multi-fractal analysis provides a deeper insight into many classical functions in mathematics.

A third example---"chirps"---is studied in this book. Chirps are used in modern radar or sonar technology. Once given a precise mathematical definition, chirps constitute a powerful tool in classical analysis.

In this book, wavelet analysis is related to the 2-microlocal spaces discovered by J. M. Bony. The authors then prove that a wavelet based multi-fractal analysis leads to a remarkable improvement of Sobolev embedding theorem. In addition, they show that chirps were hidden in a celebrated Riemann series.

Features:

Provides the reader with some basic training in new lines of research.

Clarifies the relationship between pointwise behavior and size properties of wavelet coefficents.

Download and Read Free Online Wavelet Methods for Pointwise Regularity and Local Oscillations of Functions (Memoirs of the American Mathematical Society) Stephane Jaffard, Yves Meyer

Download and Read Free Online Wavelet Methods for Pointwise Regularity and Local Oscillations of Functions (Memoirs of the American Mathematical Society) Stephane Jaffard, Yves Meyer

---

From reader reviews:

Randell Easley:

The book Wavelet Methods for Pointwise Regularity and Local Oscillations of Functions (Memoirs of the American Mathematical Society) make one feel enjoy for your spare time. You can use to make your capable much more increase. Book can to be your best friend when you getting tension or having big problem with your subject. If you can make reading through a book Wavelet Methods for Pointwise Regularity and Local Oscillations of Functions (Memoirs of the American Mathematical Society) for being your habit, you can get considerably more advantages, like add your current capable, increase your knowledge about several or all subjects. You could know everything if you like open and read a publication Wavelet Methods for Pointwise Regularity and Local Oscillations of Functions (Memoirs of the American Mathematical Society). Kinds of book are several. It means that, science reserve or encyclopedia or other people. So , how do you think about this publication?

Kathryn Patterson:

The particular book Wavelet Methods for Pointwise Regularity and Local Oscillations of Functions (Memoirs of the American Mathematical Society) has a lot of information on it. So when you check out this book you can get a lot of help. The book was authored by the very famous author. This articles author makes some research previous to write this book. This specific book very easy to read you can get the point easily after reading this article book.

James Babb:

Beside this Wavelet Methods for Pointwise Regularity and Local Oscillations of Functions (Memoirs of the American Mathematical Society) in your phone, it could possibly give you a way to get nearer to the new knowledge or data. The information and the knowledge you may got here is fresh in the oven so don't always be worry if you feel like an outdated people live in narrow commune. It is good thing to have Wavelet Methods for Pointwise Regularity and Local Oscillations of Functions (Memoirs of the American Mathematical Society) because this book offers to your account readable information. Do you often have book but you don't get what it's facts concerning. Oh come on, that would not happen if you have this within your hand. The Enjoyable option here cannot be questionable, including treasuring beautiful island. So do you still want to miss the item? Find this book in addition to read it from today!

Jennifer Gallant:

A lot of e-book has printed but it differs from the others. You can get it by online on social media. You can choose the best book for you, science, witty, novel, or whatever by simply searching from it. It is named of book Wavelet Methods for Pointwise Regularity and Local Oscillations of Functions (Memoirs of the American Mathematical Society). You can include your knowledge by it. Without making the printed book, it can add your knowledge and make you actually happier to read. It is most critical that, you must aware

about e-book. It can bring you from one destination to other place.

Download and Read Online Wavelet Methods for Pointwise Regularity and Local Oscillations of Functions (Memoirs of the American Mathematical Society) Stephane Jaffard, Yves Meyer #35VM9XTJWCD

Read Wavelet Methods for Pointwise Regularity and Local Oscillations of Functions (Memoirs of the American Mathematical Society) by Stephane Jaffard, Yves Meyer for online ebook

Wavelet Methods for Pointwise Regularity and Local Oscillations of Functions (Memoirs of the American Mathematical Society) by Stephane Jaffard, Yves Meyer Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Wavelet Methods for Pointwise Regularity and Local Oscillations of Functions (Memoirs of the American Mathematical Society) by Stephane Jaffard, Yves Meyer books to read online.

Online Wavelet Methods for Pointwise Regularity and Local Oscillations of Functions (Memoirs of the American Mathematical Society) by Stephane Jaffard, Yves Meyer ebook PDF download

Wavelet Methods for Pointwise Regularity and Local Oscillations of Functions (Memoirs of the American Mathematical Society) by Stephane Jaffard, Yves Meyer Doc

Wavelet Methods for Pointwise Regularity and Local Oscillations of Functions (Memoirs of the American Mathematical Society) by Stephane Jaffard, Yves Meyer Mobipocket

Wavelet Methods for Pointwise Regularity and Local Oscillations of Functions (Memoirs of the American Mathematical Society) by Stephane Jaffard, Yves Meyer EPub