

Librería
Bonilla y Asociados
desde 1950



Título: Fractal Geometry And Dynamical Systems In Pure And Applied Mathematics II: Fract

Autor: David Carfi

Precio: Desconocido

Editorial:

Año: 2013

Tema:

Edición: 1^a

Sinopsis

ISBN: 9780821891483

This volume contains the proceedings from three conferences: the PISRS 2011 International Conference on Analysis, Fractal Geometry, Dynamical Systems and Economics, held November 8-12, 2011 in Messina, Italy; the AMS Special Session on Fractal Geometry in Pure and Applied Mathematics, in memory of Benoît Mandelbrot, held January 4-7, 2012, in Boston, MA; and the AMS Special Session on Geometry and Analysis on Fractal Spaces, held March 3-4, 2012, in Honolulu, HI.

Articles in this volume cover fractal geometry and various aspects of dynamical systems in applied mathematics and the applications to other sciences. Also included are articles discussing a variety of connections between these subjects and various areas of physics, engineering, computer science, technology, economics and finance, as well as of mathematics (including probability theory in relation with statistical physics and heat kernel estimates, geometric measure theory, partial differential equations in relation with condensed matter physics, global analysis on non-smooth spaces, the theory of billiards, harmonic analysis and spectral geometry).

The companion volume (Contemporary Mathematics, Volume 600) focuses on the more mathematical aspects of fractal geometry and dynamical systems.

Readership

Graduate students and researchers interested in applications of fractal geometry.

Table of Contents

- E. Akkermans -- Statistical mechanics and quantum fields on fractals
- V. Balan -- Spectral algebra of the Chernov and Bogoslovsky Finsler metric tensors
- J. Barral, A. Durand, S. Jaffard, and S. Seuret -- Local multifractal analysis

Teléfonos: 55 44 73 40 y 55 44 72 91

www.libreriabonilla.com.mx

Librería
Bonilla y Asociados
desde 1950



- L. E. Calvet and A. J. Fisher -- Extreme risk and fractal regularity in finance
D. Carfi and A. Ricciardello -- An algorithm for dynamical games with fractal-like trajectories
M. Filoche and S. Mayboroda -- The landscape of Anderson localization in a disordered medium
D. Guido and T. Isola -- Zeta functions for infinite graphs and functional equations
M. Hinz and A. Teplyaev -- Vector analysis on fractals and applications
N. Kajino -- Non-regularly varying and nonperiodic oscillation of the on-diagonal heat kernels on self-similar fractals
T. Kennedy and G. F. Lawler -- Lattice effects in the scaling limit of the two-dimensional self-avoiding walk
R. Kesler and B. Steinhurst -- The Casimir effect on Laakso spaces
N. Lal and M. L. Lapidus -- The decimation method for Laplacians on fractals: Spectra and complex dynamics
M. L. Lapidus and R. G. Niemeyer -- The current state of fractal billiards
C. Lévy-Leduc and M. S. Taqqu -- Long-range dependence and the rank of decompositions
B. Li, N.-R. Shieh, and Y. Xiao -- Hitting probabilities of the random covering sets
Y. Naito, M. Pažic', S. Tanaka, and D. Žubrinić -- Fractal oscillations near the domain boundary of radially symmetric solutions of p-Laplace equations
J. R. Quinn -- Applications of the contraction mapping principle
D. Schilirò -- Economics and psychology. Perfect rationality versus bounded rationality