

Preface

This volume is a collection of 13 peer-reviewed chapters consisting of expository/survey chapters and research articles on fractals. Many of these chapters were presented at the second edition of the international conference “Fractals and Related Fields,” held on Porquerolles Island, France, in June 2011. The success of this event proved the dynamism of the mathematical activity in the numerous branches connected to fractal geometry.

The selected chapters cover the following topics:

- Geometric measure theory
- Ergodic theory, dynamical systems
- Harmonic analysis
- Multifractal analysis
- Number theory
- Probability theory

The three surveys are written by famous experts in their respective fields. The other chapters are either original contributions or accessible expositions of very recent developments, also written by leaders in their respective domains.

This book naturally follows the previous one, “Recent Development in Fractals and Related Fields” which was published after the first conference, “Fractals and Related Fields.” It is intended for researchers and graduate students wishing to discover new trends in fractal geometry.

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Further Developments in Fractals and Related Fields

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