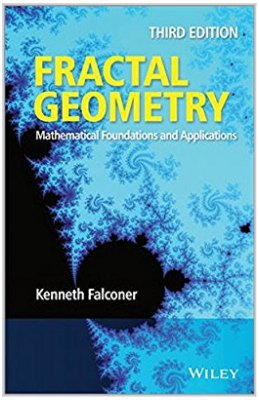

Fractal Geometry: Mathematical Foundations and Applications

By Kenneth Falconer

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The seminal text on fractal geometry for students and researchers: extensively revised and updated with new material, notes and references that reflect recent directions.

Interest in fractal geometry continues to grow rapidly, both as a subject that is fascinating in its own right and as a concept that is central to many areas of mathematics, science and scientific research. Since its initial publication in 1990 *Fractal Geometry: Mathematical Foundations and Applications* has become a seminal text on the mathematics of fractals. The book introduces and develops the general theory and applications of fractals in a way that is accessible to students and researchers from a wide range of disciplines.

Fractal Geometry: Mathematical Foundations and Applications is an excellent course book for undergraduate and graduate students studying fractal geometry, with suggestions for material appropriate for a first course indicated. The book also provides an invaluable foundation and reference for researchers who encounter fractals not only in mathematics but also in other areas across physics, engineering and the applied sciences.

- Provides a comprehensive and accessible introduction to the mathematical theory and applications of fractals
- Carefully explains each topic using illustrative examples and diagrams
- Includes the necessary mathematical background material, along with notes and references to enable the reader to pursue individual topics
- Features a wide range of exercises, enabling readers to consolidate their understanding
- Supported by a website with solutions to exercises and additional material http://www.wileyeurope.com/fractal

Leads onto the more advanced sequel *Techniques in Fractal Geometry* (also by Kenneth Falconer and available from Wiley)

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Editorial Review

Review

“Falconer’s book is excellent in many respects and the reviewer strongly recommends it. May every university library own a copy, or three! And if you’re a student reading this, go check it out today!.” (*Mathematical Association of America*, 11 June 2014)

From the Back Cover

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About the Author
Kenneth Falconer, *University of St Andrews, UK*

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