

## <<Fractal geometry and>>

### 图书基本信息

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### 内容概要

Fractal geometry is used to model complicated natural and technical phenomena in various disciplines like physics , biology , finance , and medicine.

Since most convincing models contain an element of randomness , stochastics enters the area in a natural way.

This book documents the establishment of fractal geometry as a substantial mathematical theory.

As in the previous volumes , which appeared in 1998 and 2000 , leading experts known for clear exposition were selected as authors.

They survey their field of expertise , emphasizing recent developments and open problems.

Main topics include multifractal measures , dynamical systems , stochastic processes and random fractals , harmonic analysis on fractals.

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