

《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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