## **Contents**

tt ti

Par	et I Specifications and Expansiveness	
1	Beyond Bowen's Specification Property	
2	The Role of Continuity and Expansiveness on Leo and Periodic Specification Properties  Serge Troubetzkoy and Paulo Varandas	8
Par	et II Low Dimensional Dynamics and Thermodynamics Formalism	
3	Thermodynamic Formalism and Geometric Applications for Transcendental Meromorphic and Entire Functions	9
Par	et III Probability Theory Ergodicity and Thermodynamic Formalism	
4	Recurrent Sets for Ergodic Sums of an Integer Valued Function Jean-Pierre Conze	14
5	Almost Sure Invariance Principle for Random Distance Expanding Maps with a Nonuniform Decay of Correlations  Davor Dragičević and Yeor Hafouta	17
6	Limit Theorem for Reflected Random Walks	20.
7	The Strong Borel-Cantelli Property in Conventional and Nonconventional Setups	23:

8	Application of the Convergence of the Spatio-Temporal Processes for Visits to Small Sets Françoise Pène and Benoît Saussol	263
Par	t IV Geometry and Thermodynamics Formation	
9	Rate of Mixing for Equilibrium States in Negative Curvature and Trees  Anne Broise-Alamichel, Jouni Parkkonen, and Frédéric Paulin	291
10	Statistical Properties of the Rauzy-Veech-Zorich Map Romain Aimino and Mark Pollicott	317
11	Entropy Rigidity, Pressure Metric, and Immersed Surfaces in Hyperbolic 3-Manifolds	351
12	Higher Teichmüller Theory for Surface Groups and Shifts of Finite Type  Mark Pollicott and Richard Sharp	395
Par	rt V Fractal Geometry	
13	Dimension Estimates for $C^1$ Iterated Function Systems and $C^1$ Repellers, a Survey	421
14	Intermediate Dimensions: A Survey Kenneth J. Falconer	469
15	Fractal Geometry of Bedford-McMullen Carpets	495
16	Some Variants of Orponen's Theorem on Visible Parts of Fractal Sets	517