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Titolo	Equilibrium States and the Ergodic Theory of Anosov Diffeomorphisms [[electronic resource] /] / by Robert Edward Bowen ; edited by Jean- René Chazottes
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Descrizione fisica	1 online resource (VIII, 80 p.)
Collana	Lecture Notes in Mathematics, , 1617-9692 ; ; 470
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Soggetti	Dynamical systems Manifolds (Mathematics) Probabilities Dynamical Systems Manifolds and Cell Complexes Probability Theory
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface to the 2nd edition by David Ruelle -- 0. Introduction -- 1. Gibbs measures -- A. Gibbs measures -- B. Ruelle's Perron-Frobenius Theorem -- C. Construction of Gibbs measures -- D. Variational principle -- E. Further properties -- References -- 2. General thermodynamic formalism -- A. Entropy -- B. Pressure -- C. Variational principle -- D. Equilibrium states -- References -- 3. Axiom A diffeomorphisms -- A. Definition -- B. Spectral decomposition -- C. Markov partitions -- D. Symbolic dynamics -- References -- 4. Ergodic theory of Axiom A diffeomorphisms -- A. Equilibrium states for basic sets -- B. The case $\phi = \phi^u$ -- C. Attractors and Anosov diffeomorphisms -- References -- Index.
Sommario/riassunto	For this printing of R. Bowen's book, J.-R. Chazottes has retyped it in TeX for easier reading, thereby correcting typos and bibliographic details. From the Preface by D. Ruelle: "Rufus Bowen has left us a masterpiece of mathematical exposition... Here a number of results which were new at the time are presented in such a clear and lucid style

that Bowen's monograph immediately became a classic. More than thirty years later, many new results have been proved in this area, but the volume is as useful as ever because it remains the best introduction to the basics of the ergodic theory of hyperbolic systems."
