thermodynamic formalism and applications pdf

1.2 Extensions and applications We describe in this section the main elements of the three extensions of the classical thermodynamic formalism that are discussed in the book, namely the nonadditive, the subadditive, and the almost additive thermodynamic formalisms.

Thermodynamic Formalism and Applications to Dimension

This self-contained monograph presents a unified exposition of the thermodynamic formalism and some of its main extensions, with emphasis on the relation to dimension theory and multifractal analysis of dynamical systems.

Thermodynamic Formalism and Applications to Dimension

Thermodynamic formalism - Applications to geometry and number theory, Bremen, July 2017. I. First, we look at dimension results for smooth endomorphisms f: M!M hyperbolic on locally maximal sets of saddle type. This is based on joint work with Bernd Stratmann.

Thermodynamic formalism for systems with overlaps and

out to have much wider applications. This is the heart of thermodynamic formalism. In this lecture we study the thermodynamic formalism for aperiodic shifts of nite type. In Lecture 3 we constructed Markov and Bernoulli measures and, in Lecture 4, saw that they were ergodic; in this lecture we will intro- ...

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'Thermodynamic Formalism and Applications to Dimension Theory' by Luis Barreira is a digital PDF ebook for direct download to PC, Mac, Notebook, Tablet, iPad, iPhone, Smartphone, eReader - but not for Kindle.

Luis Barreira: Thermodynamic Formalism and Applications to

A non-additive thermodynamic formalism and applications to dimension theory of hyperbolic dynamical systems - Volume 16 Issue 5 - Luis M. Barreira Please note, due to essential maintenance online purchasing will not be possible between 03:00 and 12:00 BST on Sunday 6th May.

A non-additive thermodynamic formalism and applications to

The interplay between the thermodynamic formalism and the multifractal formalism has been rigorously examined in the literature for expanding conformal dynamical systems (see, e.g. [15, 40, 38, 6]).

WEIGHTED THERMODYNAMIC FORMALISM ON SUBSHIFTS AND APPLICATIONS

We examine the interplay between the thermodynamic formalism and the multifractal formalism on the so-called self-affine symbolic spaces, under the specification property assumption.

Weighted thermodynamic formalism and applications

mathematical approach to thermodynamic formalism. The introduction of thermodynamic formalism within the mathematical eld of dynam- ical systems occurred in the 1970s, and was primarily due to the following people.

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