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Nota di contenuto	1 Introduction -- Part I Smooth expanding maps -- 2 Smooth expanding maps: The spectrum of the transfer operator -- 3 Smooth expanding maps: Dynamical determinants -- Part II Smooth hyperbolic maps -- 4 Anisotropic Banach spaces dened via cones -- 5 A variational formula for the essential spectral radius -- 6 Dynamical determinants for smooth hyperbolic dynamics -- 7 Two applications of anisotropic spaces -- Part III Appendices -- A Spectral theory -- B Thermodynamic formalism: Non-multiplicative topological pressure -- C Properly supported operators (pseudolocality) -- D Alternative proofs for C1 dynamics and weights -- References -- Index.
Sommario/riassunto	The spectra of transfer operators associated to dynamical systems, when acting on suitable Banach spaces, contain key information about the ergodic properties of the systems. Focusing on expanding and hyperbolic maps, this book gives a self-contained account on the relation between zeroes of dynamical determinants, poles of dynamical

zeta functions, and the discrete spectra of the transfer operators. In the hyperbolic case, the first key step consists in constructing a suitable Banach space of anisotropic distributions. The first part of the book is devoted to the easier case of expanding endomorphisms, showing how the (isotropic) function spaces relevant there can be studied via Paley–Littlewood decompositions, and allowing easier access to the construction of the anisotropic spaces which is performed in the second part. This is the first book describing the use of anisotropic spaces in dynamics. Aimed at researchers and graduate students, it presents results and techniques developed since the beginning of the twenty-first century.