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Collana	Contemporary mathematics, , 1098-3627 ; ; 631 , 0271-4132
Classificazione	05Bxx11Txx11Gxx12Exx12Fxx12Yxx20Cxx51Exx94Axx94Bxx
Disciplina	515/.48
Soggetti	Differentiable dynamical systems Ergodic theory Mathematical analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	A new connection between metric theory of Diophantine approximations and distribution of algebraic numbers -- 1. Introduction -- 2. Effective theorems in metric theory of Diophantine approximations of dependent variables -- 3. Distribution of conjugate algebraic numbers -- 4. Distribution of resultants of integral polynomials -- 5. Distribution of discriminants of integral polynomials -- 6. Algebraic numbers in small intervals -- References -- The gap distribution of slopes on the golden L -- 1. Introduction -- 2. Strata, $\mathrm{SL}(2, \mathbb{R})$ -action, and Veech groups -- 3. Horocycle flows and first return maps -- 4. Ergodicity and equidistribution -- 5. Further questions -- A. Explicit formulas for the probability distribution function -- B. Volume computations -- C. Quadratic Asymptotics -- References -- Uniformly recurrent subgroups -- Introduction -- 1. Stability systems -- 2. Homogeneity properties of a URS -- 3. URS's for Wreath products -- 4. Applications to ergodic systems -- 5. Uncountably many URS's for $a??$ -- 6. Realizations of URS's as stability systems -- References -- Values of binary quadratic forms at integer points and Schmidt games -- 1. Introduction -- 2. Dynamics and

gaps between values of quadratic forms -- 3. Schmidt games -- 4. Transversality and reduction to discrete time actions -- 5. Completion of the proof: the percentage game -- References -- Conformal families of measures for general iterated function systems -- 1. Introduction -- 2. Iterated Function Systems -- 3. Conformal Measures -- References -- Dani's work on probability measures on groups -- 1. Introduction to the embedding problem -- 2. The embedding problem on connected Lie groups -- 3. A basic technique and its applications -- 4. Recent results on the embedding problem on Lie groups -- 5. The embedding problem on general locally compact groups -- References -- On the homogeneity at infinity of the stationary probability for an affine random walk -- 1. Introduction -- 2. Calculation of invariant measures on $a\mathbb{Z}$ in a special case -- 3. Proof of Theorem 1.1 -- 4. Appendix -- References -- Dani's work on dynamical systems on homogeneous spaces -- 1. Unipotent flows -- 2. Applications in Number Theory.
