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Autore	Bhattacharya, Rabi N.
Titolo	A basic course in probability theory / Rabi Bhattacharya, E. C. Waymire
Pubbl/distr/stampa	New York : Springer, c2007
ISBN	978-0-387-71938-2
Descrizione fisica	xii, 210 p. ; 24 cm
Collana	Universitext
Altri autori (Persone)	Waymire, Edward C.
Disciplina	519.2
Locazione	MA1
Collocazione	C-6-(185
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

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Autore	Pollicott Mark
Titolo	Open Conformal Systems and Perturbations of Transfer Operators / / by Mark Pollicott, Mariusz Urbaski
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-72179-8
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XII, 204 p.)
Collana	Lecture Notes in Mathematics, , 0075-8434 ; ; 2206
Disciplina	516.35
Soggetti	Dynamics Ergodic theory Functional analysis Functions of complex variables Operator theory Measure theory Dynamical Systems and Ergodic Theory Functional Analysis Functions of a Complex Variable Operator Theory Measure and Integration
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction -- 2. Singular Perturbations of Classical Original Perron–Frobenius Operators on Countable Alphabet Symbol Spaces -- 3. Symbol Escape Rates and the Survivor Set K(Un) -- 4. Escape Rates for Conformal GDMSs and IFSs -- 5. Applications: Escape Rates for Multimodal Maps and One-Dimensional Complex Dynamics.
Sommario/riassunto	The focus of this book is on open conformal dynamical systems corresponding to the escape of a point through an open Euclidean ball. The ultimate goal is to understand the asymptotic behavior of the escape rate as the radius of the ball tends to zero. In the case of hyperbolic conformal systems this has been addressed by various authors. The conformal maps considered in this book are far more

general, and the analysis correspondingly more involved. The asymptotic existence of escape rates is proved and they are calculated in the context of (finite or infinite) countable alphabets, uniformly contracting conformal graph-directed Markov systems, and in particular, conformal countable alphabet iterated function systems. These results have direct applications to interval maps, meromorphic maps and rational functions. Towards this goal the authors develop, on a purely symbolic level, a theory of singular perturbations of Perron--Frobenius (transfer) operators associated with countable alphabet subshifts of finite type and Hölder continuous summable potentials. This leads to a fairly full account of the structure of the corresponding open dynamical systems and their associated surviving sets.