

L. Arnold
H. Crauel
J.-P. Eckmann (Eds.)

Lyapunov Exponents

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Lyapunov Exponents Proceedings Of A Conference Held In Oberwolfach May 28 June 2 199

Luís Barreira



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Lyapunov Exponents Ludwig Arnold, Hans Crauel, Jean-Pierre Eckmann, 2006-11-14 Since the predecessor to this volume LNM 1186 Eds L Arnold V Wihstutz appeared in 1986 significant progress has been made in the theory and applications of Lyapunov exponents one of the key concepts of dynamical systems and in particular pronounced shifts towards nonlinear and infinite dimensional systems and engineering applications are observable This volume opens with an introductory survey article Arnold Crauel followed by 26 original fully refereed research papers some of which have in part survey character From the Contents L Arnold H Crauel Random Dynamical Systems I Ya Goldscheid Lyapunov exponents and asymptotic behaviour of the product of random matrices Y Peres Analytic dependence of Lyapunov exponents on transition probabilities O Knill The upper Lyapunov exponent of S^1 2 R cocycles Discontinuity and the problem of positivity Yu D Latushkin A M Stepin Linear skew product flows and semigroups of weighted composition operators P Baxendale Invariant measures for nonlinear stochastic differential equations Y Kifer Large deviations for random expanding maps P Thieullen Generalisation du theoreme de Pesin pour l'entropie S T Ariaratnam W C Xie Lyapunov exponents in stochastic structural mechanics F Colonius W Kliemann Lyapunov exponents of control flows Paperbound Books in Print 1995 Reed Reference Publishing, R5ference Reed, 1995-12

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Exponents Ludwig Arnold, Volker Wihstutz, 2014-01-15 **Lyapunov Exponents** Ludwig Arnold, Volker Wihstutz, 1986

Lyapunov Exponents Arkady Pikovsky, Antonio Politi, 2016-02-11 A comprehensive description of the Lyapunov exponent tools from basic to advanced levels with practical applications for complex systems

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