

PHYSICAL REVIEW E

For editorial and subscription correspondence,
please see inside front cover
(ISSN: 1063-651X)

PERIODICALS

Postmaster send address changes to:
American Institute of Physics
500 Sunnyside Boulevard
Woodbury, NY 11797-2999

THIRD SERIES, VOLUME 55, NUMBER 3
PARTS A AND B

CONTENTS

MARCH 1997

*The Table of Contents is a total listing of Parts A and B.
Part A consists of pages 2077–2968, and Part B pages 2969–3800.*

PART A

Note to Reader i

RAPID COMMUNICATIONS

Delay estimation from noisy time series	R2077
Toru Ohira and Ryusuke Sawatari	
Solution of the density classification problem with two cellular automata rules	R2081
Henryk Fukś	
Onset of criticality and transport in a driven diffusive system	R2085
Mária Markošová, Mogens H. Jensen, Kent Bækgaard Lauritsen, and Kim Sneppen	
Deterministic annealing for density estimation by multivariate normal mixtures	R2089
Martin Kloppenborg and Paul Tavan	
Distribution of sizes of erased loops for loop-erased random walks	R2093
Deepak Dhar and Abhishek Dhar	
Kardar-Parisi-Zhang equation and the δ expansion	R2097
Indranil Paul, Sumanta Tewari, and J. K. Bhattacharjee	
Electric-field-induced diffusion-limited aggregation	R2100
Weijia Wen and Kunquan Lu	
Desynchronization of pulse-coupled integrate-and-fire neurons	R2104
S. Coombes and G. J. Lord	
Spike-train bifurcation scaling in two coupled chaotic neurons	R2108
Ramon Huerta, Mikhail I. Rabinovich, Henry D. I. Abarbanel, and Maxim Bazhenov	
Discrete stochastic model for self-renewal and differentiation of progenitor cells	R2111
Muhammad Sahimi, Ali Reza Mehrabi, and Faramarz Naeim	
Transfer function approach to collective mode dynamics in a Nd:YAG laser	R2115
L. Stamatescu and M. W. Hamilton	

ARTICLES

General methods of statistical physics

Controlling extended systems with spatially filtered, time-delayed feedback	2119
M. E. Bleich, D. Hochheiser, J. V. Moloney, and J. E. S. Socolar	
Nonvalidity of the telegrapher's diffusion equation in two and three dimensions for crystalline solids	2127
Salvador Godoy and L. S. García-Colín	
Model for dynamics of structural glasses	2132
Ian S. Graham, Luc Piché, and Martin Grant	
Quasicontinuous control of a bronze ribbon experiment using time-delay coordinates	2145
A. Schenck zu Schweinsberg, T. Ritz, U. Dressler, B. Hübinger, R. Doerner, and W. Martienssen	
Complex behavior in one-dimensional sandpile models	2159
S. T. R. Pinho, C. P. C. Prado, and S. R. Salinas	
Memory effects in friction over correlated surfaces	2166
Anne Tanguy and Stéphane Roux	

(Continued)



1063-651X(199703)55:3:A;1-Q