CONTENTS - *Continued*

PHYSICAL REVIEW E **THIRD SERIES, VOLUME 54, NUMBER 5** **NOVEMBER 1996**

ARTICLES

General methods of statistical physics

Coarsening dynamics of a one-dimensional driven Cahn-Hilliard system 4568
C. L. Emmott and A. J. Bray
Experimental observation of perturbation-induced intermittency in the dynamics of a loss-modulated CO_2 laser 4576
V. N. Chizhevsky and Ramón Corbalán
Enhancing chaos in chaotic maps and flows 4580
Neelima Gupte and R. E. Amritkar
Calogero-Sutherland model with twisted boundary condition 4586
D. F. Wang
Percolation in random-Sierpiński carpets: A real space renormalization group approach 4590
Michel Perreau, Joaquina Peiro, and Serge Berthier
Multifractal features of random walks and localized vibrational excitations on random fractals: Dependence on the averaging procedure 4596
Julia Dräger and Armin Bunde
Spreading of damage in the ballistic deposition and larger curvature models 4603
Jin Min Kim, Youngki Lee, and In-mook Kim
Another possible description of fluctuations 4607
Ferenc Márkus and Katalin Gambár
Nonlinear dynamics of the magnetization in an anisotropic ferromagnet with a magnetic field 4612
Wu-Ming Liu, Xiao-Bing Wang, Fu-Cho Pu, and Nian-Ning Huang
Medium-range interactions and crossover to classical critical behavior 4626
Erik Luijten, Henk W. J. Blöte, and Kurt Binder
Beyond the mean field approximation for spin glasses 4637
Maurizio Serva and Giovanni Paladin
Topological singularities of domains in globally constrained bistable reaction-diffusion systems 4644
Baruch Meerson and Igor Mitkov
Second moment for cooperative diffusion in one-dimensional hard-particle lattice gases 4650
Douglas Poland
Energy diffusion due to nonlinear perturbation on linear Hamiltonians 4657
Gin-yih Tsaur and Jyhpyng Wang
Complexity in Hamiltonian-driven dissipative chaotic dynamical systems 4667
Ying-Cheng Lai and Celso Grebogi
Transforming signals with chaotic synchronization 4676
T. L. Carroll, J. F. Heagy, and L. M. Pecora
Multifractality in the stochastic Burgers equation 4681
F. Hayot and C. Jayaprakash
Hamiltonian systems with many degrees of freedom: Asymmetric motion and intensity of motion in phase space 4685
Shinjo Kazumasa and Sasada Tomohei
Lyapunov exponents for classical-quantum mixed-mode dynamics 4701
Ersin Yurtsever
Noise-activated diffusion in the egg-carton potential 4708
G. Caratti, R. Ferrando, R. Spadacini, and G. E. Tommei
Dynamical critical exponent of a nonequilibrium Ising model 4722
B. C. S. Grandi and W. Figueiredo
Quantum particle transfer in a system with a discontinuous modulation of the intersite coupling 4726
E. G. Petrov, I. A. Goychuk, and V. May

(Continued)