

CONTENTS - Continued

PHYSICAL REVIEW E

THIRD SERIES, VOLUME 63, NUMBER 3

MARCH 2001

Random Ginzburg-Landau model revisited: Reentrant phase transitions (10 pages)	031103
Javier Buceta, Juan M. R. Parrondo, and F. Javier de la Rubia	
Numerical study of persistence in models with absorbing states (7 pages)	031104
Ezequiel V. Albano and Miguel A. Muñoz	
Ground-state fluctuations in finite Fermi systems (8 pages)	031105
Muoi N. Tran, M. V. N. Murthy, and R. K. Bhaduri	
Slow dynamics and aging in a constrained diffusion model (12 pages)	031106
Federico Corberi, Mario Nicodemi, Marina Piccioni, and Antonio Coniglio	
Effects of colored noise on stochastic resonance in a bistable system subject to multiplicative and additive noise (8 pages)	031107
Ya Jia, Xiao-ping Zheng, Xiang-ming Hu, and Jia-rong Li	
Kac-potential treatment of nonintegrable interactions (8 pages)	031108
Benjamin P. Vollmayr-Lee and Erik Luijten	
Simple model of a random walk with arbitrarily long memory (5 pages)	031109
Arturo Berrones and Hernán Larralde	
Mirror symmetry breaking through an internal degree of freedom leading to directional motion (5 pages) . . .	031110
S. Cilla, F. Falo, and L. M. Floría	
Josephson vortex in a ratchet potential: Theory (10 pages)	031111
E. Goldobin, A. Sterck, and D. Koelle	
Euler-Poincaré characteristics of classes of disordered media (13 pages)	031112
C. H. Arns, Mark A. Knackstedt, W. V. Pinczewski, and K. R. Mecke	

Equilibrium and linear transport properties of fluids

Wetting of a symmetrical binary fluid mixture on a wall (12 pages)	031201
F. Schmid and N. B. Wilding	
Diffusion and localization of surface gravity waves over irregular bathymetry (11 pages)	031202
A. Stepaniants	
Generic van der Waals equation of state and statistical mechanical representations of the van der Waals parameters (9 pages)	031203
Byung Chan Eu and Kyunil Rah	
Mean-atom-trajectory model for the velocity autocorrelation function of monatomic liquids (6 pages)	031204
Eric D. Chisolm, Brad E. Clements, and Duane C. Wallace	
Critical properties and phase separation in lattice Boltzmann fluid mixtures (18 pages)	031205
Nicos S. Martys and Jack F. Douglas	
Criterion for determining clustering versus reentrant melting behavior for bounded interaction potentials (9 pages)	031206
C. N. Likos, A. Lang, M. Watzlawek, and H. Löwen	
Pressure dependence of structural relaxation time in terms of the Adam-Gibbs model (6 pages)	031207
R. Casalini, S. Capaccioli, M. Lucchesi, P. A. Rolla, and S. Corezzi	

Granular materials

Grain dynamics in a two-dimensional granular flow (16 pages)	031301
S. Hørlück and P. Dimon	
Effect of applied interparticle force on the static and dynamic angles of repose of spherical granular material (5 pages)	031302
A. J. Forsyth, S. R. Hutton, M. J. Rhodes, and C. F. Osborne	
Nonlinear hydrodynamical approach to granular materials (13 pages)	031303
Scott A. Hill and Gene F. Mazenko	
Dissipative properties and scaling law for a layer of granular material on a vibrating plate (3 pages)	031304
Guoqing Miao, Lei Sui, and Rongjue Wei	

(Continued)