

CONTENTS - *Continued*

PHYSICAL REVIEW E

THIRD SERIES, VOLUME 63, NUMBER 5

MAY 2001

Escape time in anomalous diffusive media (5 pages)	051109
E. K. Lenzi, C. Anteneodo, and L. Borland	
Noise-assisted transmission of binary information: Theory and experiment (9 pages)	051110
Sylvain Barbay, Giovanni Giacomelli, and Francesco Marin	
Strong enhancement of noise-induced escape by nonadiabatic periodic driving due to transient chaos (6 pages)	051111
S. M. Soskin, R. Mannella, M. Arrayás, and A. N. Silchenko	
Preferential growth: Exact solution of the time-dependent distributions (7 pages)	051112
L. Kullmann and J. Kertész	
Equilibrium and linear transport properties of fluids	
Generalized fundamental solutions for unsteady viscous flows (7 pages)	051201
Jian-Jun Shu and Allen T. Chwang	
Collective dynamics in liquid lead: Generalized propagating excitations (13 pages)	051202
Taras Bryk and Ihor Mryglod	
Transformation from Rogers-Young approximation to the density functional approach for nonuniform fluids: Numerical recipe (6 pages)	051203
Shiqi Zhou	
Granular materials	
Edwards' measures: A thermodynamic construction for dense granular media and glasses (14 pages)	051301
Alain Barrat, Jorge Kurchan, Vittorio Loreto, and Mauro Sellitto	
Glassy systems under time-dependent driving forces: Application to slow granular rheology (15 pages)	051302
L. Berthier, L. F. Cugliandolo, and J. L. Iguain	
Large-scale synchrony in weakly interacting automata (6 pages)	051303
Eric J. Friedman and A. S. Landsberg	
Numerical model for granular compaction under vertical tapping (9 pages)	051304
P. Philippe and D. Bideau	
Colloidal dispersions, suspensions, and aggregates	
Colloids confined to a flexible container (9 pages)	051401
Lutz Maibaum, Matthias Schmidt, and Hartmut Löwen	
Dynamic structure of thermoreversible colloidal gels of adhesive spheres (10 pages)	051402
Michael J. Solomon and Priya Varadan	
Dynamics of viscous penetration in percolation porous media (5 pages)	051403
J. S. Andrade, Jr., A. D. Araújo, S. V. Buldyrev, S. Havlin, and H. E. Stanley	
Structured and complex fluids	
Freezing and orientational order in weakly anisotropic fluids (4 pages)	051501
Hyung-June Woo and Xueyu Song	
Melting of a quasi-two-dimensional metallic system (11 pages)	051502
Dmitriy S. Chekmarev, David W. Oxtoby, and Stuart A. Rice	
Phase separation in a homogeneous shear flow: Morphology, growth laws, and dynamic scaling (10 pages)	051503
Ludovic Berthier	
Constitutive equations for an elastic material with anisotropic rigid particles (8 pages)	051504
Leonard M. C. Sagis, Mariëlle Ramaekers, and Erik van der Linden	
Phase separation under two-dimensional Poiseuille flow (5 pages)	051505
Hirohito Kiwata	

(Continued)