

CONTENTS - Continued

PHYSICAL REVIEW E

THIRD SERIES, VOLUME 63, NUMBER 4

APRIL 2001

Constructive role of temperature in ratchets driven by trichotomous noise (12 pages)	041110
Romi Mankin, Ain Ainsaar, Astrid Haljas, and Eerik Reiter	
Thermodynamically self-consistent theory for the Blume-Capel model (13 pages)	041111
S. Grollau, E. Kierlik, M. L. Rosinberg, and G. Tarjus	
Stochastic resonance in a suspension of magnetic dipoles under shear flow (12 pages)	041112
Tomás Alarcón and Agustín Pérez-Madrid	
Discrete atomistic model to simulate etching of a crystalline solid (8 pages)	041113
Bernardo A. Mello, Alaor S. Chaves, and Fernando A. Oliveira	
Information transmission in parallel threshold arrays: Suprathreshold stochastic resonance (9 pages)	041114
N. G. Stocks	
Transition from anomalous to normal hysteresis in a system of coupled Brownian motors: A mean-field approach (10 pages)	041115
S. E. Mangioni, R. R. Deza, and H. S. Wio	
Branching and annihilating Lévy flights (8 pages)	041116
Daniel Vernon and Martin Howard	
Equilibrium and linear transport properties of fluids	
Thermodynamic and structural aspects of the potential energy surface of simulated water (10 pages)	041201
Francis W. Starr, Srikanth Sastry, Emilia La Nave, Antonio Scala, H. Eugene Stanley, and Francesco Sciortino	
Waterlike anomalies for core-softened models of fluids: Two-dimensional systems (8 pages)	041202
A. Scala, M. Reza Sadr-Lahijany, N. Giovambattista, S. V. Buldyrev, and H. E. Stanley	
Structure and effective interactions in three-component hard sphere liquids (9 pages)	041203
Anja König and N. W. Ashcroft	
Granular materials	
Stress transmission through textured granular packings (5 pages)	041301
Jean Rajchenbach	
Clustering and fluidization in a one-dimensional granular system: Molecular dynamics and direct-simulation Monte Carlo method (7 pages)	041302
José Miguel Pasini and Patricio Cordero	
Statistical mechanics of fluidized granular media: Short-range velocity correlations (9 pages)	041303
R. Soto and M. Mareschal	
Force distributions in three-dimensional granular assemblies: Effects of packing order and interparticle friction (8 pages)	041304
Daniel L. Blair, Nathan W. Mueggenburg, Adam H. Marshall, Heinrich M. Jaeger, and Sidney R. Nagel	
Spiral patterns in oscillated granular layers (12 pages)	041305
John R. de Bruyn, B. C. Lewis, M. D. Shattuck, and Harry L. Swinney	
Colloidal dispersions, suspensions, and aggregates	
Charge inversion of colloidal particles in an aqueous solution: Screening by multivalent ions (6 pages)	041401
Takamichi Terao and Tsuneyoshi Nakayama	
Dynamical fluctuation of the mesoscopic structure in ternary C ₁₂ E ₅ -water- <i>n</i> -octane amphiphilic system (10 pages)	041402
Shigehiro Komura, Takayoshi Takeda, Youhei Kawabata, Swapan K. Ghosh, Hideki Seto, and Michihiro Nagao	
Influence of solvent granularity on the effective interaction between charged colloidal suspensions (13 pages)	041403
E. Allahyarov and H. Löwen	

(Continued)