

CONTENTS - *Continued*

PHYSICAL REVIEW E

THIRD SERIES, VOLUME 57, NUMBER 2

FEBRUARY 1998

Classical physics, including nonlinear media

Optical gap solitons via second-harmonic generation: Exact solitary solutions	R1251
Claudio Conti, Stefano Trillo, and Gaetano Assanto	
Early-time dynamics of wave fronts in disordered triangular lattices	R1255
M. Kellomäki, J. Åström, and J. Timonen	
Crack dynamics and crack surfaces in elastic beam lattices	R1259
Jan Åström, Mikko Alava, and Jussi Timonen	

ARTICLES

General methods of statistical physics

Violation of scaling in the contact process with quenched disorder	1263
Ronald Dickman and Adriana G. Moreira	
Percolation of finite-sized objects on a lattice	1269
R. E. Amritkar and Manojit Roy	
Notion of integrability for time-dependent Hamiltonian systems: Illustrations from the relativistic motion of a charged particle	1273
S. Bouquet and A. Bourdier	
Operator expansions in stochastic dynamics	1284
A. N. Drozdov and J. J. Brey	
Interface pinning and slow ordering kinetics on infinitely ramified fractal structures	1290
Umberto Marini Bettolo Marconi	
Unified solution of the inverse capacity problem	1302
Chen Nan-xian and Rong Er-qian	
Jamming transition in a cellular automaton model for traffic flow	1309
B. Eisenblätter, L. Santen, A. Schadschneider, and M. Schreckenberg	
Dynamical evolution of escape probability in the presence of Sinai disorder	1315
S. Rajasekar and K. P. N. Murthy	
Interavalanche correlations in the self-organized critical state of a multijunction superconducting quantum interference device	1319
S. L. Ginzburg, M. A. Pustovoi, and N. E. Savitskaya	
Universal short-time behavior of the dynamic fully frustrated XY model	1327
H. J. Luo, L. Schülke, and B. Zheng	
Complex-temperature partition function zeros of the Potts model on the honeycomb and kagomé lattices	1335
Heiko Feldmann, Robert Shrock, and Shan-Ho Tsai	
Zipf's law is not a consequence of the central limit theorem	1347
G. Troll and P. beim Graben	
Simplicity of state and overlap structure in finite-volume realistic spin glasses	1356
C. M. Newman and D. L. Stein	
Classifying rational densities using two one-dimensional cellular automata	1367
H. F. Chau, K. K. Yan, K. Y. Wan, and L. W. Siu	
Corrections to scaling in phase-ordering kinetics	1370
A. J. Bray, N. P. Rapapa, and S. J. Cornell	
Nature of different types of absorbing states	1377
Miguel A. Muñoz	
Rotational relaxation of rigid dipolar molecules in nonlinear dielectric spectra	1384
Kurt De Smet, Louis Hellemans, J. F. Rouleau, R. Courteau, and T. K. Bose	
Aging in two- and three-particle annihilation processes	1388
K. P. N. Murthy and G. M. Schütz	

(Continued)