

Current Rapid Communications

Rapid Communications in Physical Review are short reports of important new work which are of sufficient interest to be given priority handling in the publication process. The following papers have been accepted for publication as Rapid Communications and appear as indicated in the designated Physical Review issues.

Physical Review D, Vol. 54, 15 October 1996, Issue 8

- Can the simplest two-field model of open inflation survive? Misao Sasaki and Takahiro Tanaka R4705
Superpotential from black holes Renata Kallosh R4709

Physical Review E, Vol. 54, October 1996, Issue 4

- Fractal dimension of backbone of Eden trees S.S. Manna and D. Dhar R3063
Relaxation in interacting arrays of oscillators Kwok Yeung Tsang and K.L. Ngai R3067
Crossover from directed percolation to compact directed percolation J.F.F. Mendes, R. Dickman, and H. Herrmann R3071
Stochastic resonance in a spatially extended system Horacio S. Wio R3075
Scaling for random walks on Eden trees F.D.A. ~~Reis~~ Reis R3079
Tool to recover scalar time-delay systems from experimental time series M.J. Bünner, M. Popp, Th. Meyer, A. Kittel, and J. Parisi R3082
Dynamics of the dissipative two-state system under ac modulation of bias and coupling energy Milena Grifoni R3086
Critical dynamics of the contact process with quenched disorder Adriana G. Moreira and Ronald Dickman R3090
Synchronization waves in arrays of driven chaotic systems M.N. Lorenzo, I.P. Mariño, V. Pérez-Muñuzuri, M.A. Matías, and V. Pérez-Villar R3094
Statistical uncertainty in the analysis of structure functions in turbulence R. Camussi, C. Baudet, R. Benzi, and S. Ciliberto R3098
Experimental observation of dynamic mode switching in interfacial-tension-driven convection near a codimension-two point Duane Johnson and Ranga Narayanan R3102
Dynamical properties of multiarmed global spirals in Rayleigh-Bénard convection Xiao-jun Li, Haowen Xi, and J.D. Gunton R3105
Scattering rates versus moments: Alternative Grad equations Alexander N. Gorban and Iliya V. Karlin R3109
Optical properties of antiferroelectric liquid crystals in free-standing films Barbara Rovsek, Mojca Cepic, and Bostjan Zeks R3113
Dynamics of the formation of an aureole in the bursting of soap films N.Y. Liang, C.K. Chan, and H.J. Choi R3117
Experimental observation of high-brightness microbunching in a photocathode rf electron gun X.J. Wang, X. Qiu, and I. Ben-Zvi R3121
Soliton stability in optical transmission lines using semiconductor amplifiers and fast saturable absorbers S.K. Turitsyn R3125