PHYSICAL REVIEW E THIRD SERIES, VOLUME 80, NUMBER 5 NOVEMBER 2009

ARTICLES

Interdisciplinary physics

Phase transitions in traffic flow on multilane roads *(20 pages)* 056101
Boris S. Kerner and Sergey L. Klenov

Boolean networks with reliable dynamics *(10 pages)* 056102
Tiago P. Peixoto and Barbara Drossel

Diffusion of scientific credits and the ranking of scientists *(10 pages)* 056103
Filippo Radicchi, Santo Fortunato, Benjamin Markines, and Alessandro Vespignani

Phase diagrams for three-strategy evolutionary prisoner's dilemma games on regular graphs *(7 pages)* 056104
Attila Szolnoki, Matjaž Perc, and György Szabó

Coevolution of Glauber-like Ising dynamics and topology *(4 pages)* 056105
Salvatore Mandrà, Santo Fortunato, and Claudio Castellano

Revising the simple measures of assortativity in complex networks *(7 pages)* 056106
Xiao-Ke Xu, Jie Zhang, Junfeng Sun, and Michael Small

Language structure in the *n*-object naming game *(8 pages)* 056107
Adam Lipowski and Dorota Lipowska

Resonance, criticality, and emergence in city traffic investigated in cellular automaton models *(7 pages)* 056108
A. Varas, M. D. Cornejo, B. A. Toledo, V. Muñoz, J. Rogan, R. Zarama, and J. A. Valdivia

Topology-independent impact of noise on cooperation in spatial public goods games *(5 pages)* 056109
Attila Szolnoki, Matjaž Perc, and György Szabó

Random walker in temporally deforming higher-order potential forces observed in a financial crisis *(14 pages)* 056110
Kota Watanabe, Hideki Takayasu, and Misako Takayasu

Spontaneous traveling waves in oscillatory systems with cross diffusion *(6 pages)* 056111
V. N. Biktashev and M. A. Tsyganov

Selection of noise level in strategy adoption for spatial social dilemmas *(10 pages)* 056112
Attila Szolnoki, Jeromos Vukov, and György Szabó

Cavity approach to the Sourlas code system *(9 pages)* 056113
Haiping Huang and Haijun Zhou

Spectral properties of networks with community structure *(10 pages)* 056114
Sanjeev Chauhan, Michelle Girvan, and Edward Ott

Quantum Zeno effect explains magnetic-sensitive radical-ion-pair reactions *(9 pages)* 056115
I. K. Kominis

Synchronization performance of complex oscillator networks *(5 pages)* 056116
Gang Yan, Guanrong Chen, Jinhu Lü, and Zhong-Qian Fu

Community detection algorithms: A comparative analysis *(11 pages)* 056117
Andrea Lancichinetti and Santo Fortunato

(Continued)