

IM
169/jmp

International Journal of Modern Physics B

CONDENSED MATTER PHYSICS • STATISTICAL PHYSICS
ATOMIC, MOLECULAR & OPTICAL PHYSICS

Volume 28 • Number 30 • 10 December 2014

www.worldscientific.com/ijmpb/



World Scientific

INTERNATIONAL JOURNAL OF MODERN PHYSICS B
Vol. 28, No. 30 (10 December 2014)

CONTENTS

Review Paper

- Lyapunov control on quantum systems
L. C. Wang and X. X. Yi 1430020

Research Papers

- Origin of ferroelectric phase transition in $\text{SbSCl}_x\text{I}_{1-x}$ mixed crystals
A. Audzijonis, L. Žigas, R. Sereika and R. Žaltauskas 1450209
- Positron annihilation measurements in high energy alpha irradiated undoped indium antimonide
S. Pan, A. Mandal, S. Mukherjee, A. K. Saha, A. Roychowdhury, D. Das and A. Sengupta 1450210
- Ensemble method: Community detection based on game theory
X. Zhang, Z. Xia, S. Xu and J. D. Wang 1450211
- Statistic properties and cascading failures in a coupled transit network consisting of bus and subway systems
Y. Yang, A. Huang and W. Guan 1450212
- Effect of neutron flux, temperature and frequency on the permittivity of nanocrystalline silica
E. Huseynov, A. Garibov and R. Mehdiyeva 1450213
- Scattering of a discrete soliton by impurity in dipolar Bose–Einstein condensates
S. M. Al-Marzoug 1450214
- Multifractal and singularity analysis of weighted road networks
M. Dai, C. Zhang, L. Li and W. Wu 1450215
- Label propagation algorithm based on edge clustering coefficient for community detection in complex networks
X.-K. Zhang, X. Tian, Y.-N. Li and C. Song 1450216
- Truncated many-body dynamics of interacting bosons: A variational principle with error monitoring
K.-S. Lee and U. R. Fischer 1550021