

Communications in Theoretical Physics

Vol. 61, No. 4, 2014

Contents

General

Fermion Representation of Quantum Toroidal Algebra <i>CAI Li-Qiang, WANG Li-Fang, WU Ke, and YANG Jie</i>	403–408
Extended Determinant Solution of a (3 + 1)-Dimensional KP Equation <i>ZHU Guo-Qing and WANG Hong-Yan</i>	409–414
Solutions to the Complex Korteweg-de Vries Equation: Blow-up Solutions and Non-Singular Solutions <i>SUN Ying-Ying, YUAN Juan-Ming, and ZHANG Da-Jun</i>	415–422
Darboux Transformations and N -soliton Solutions of Two (2+1)-Dimensional Nonlinear Equations <i>WANG Xin and CHEN Yong</i>	423–430
Block (or Hamiltonian) Lie Symmetry of Dispersionless D-Type Drinfeld–Sokolov Hierarchy <i>LI Chuan-Zhong, HE Jing-Song, and SU Yu-Cai</i>	431–435
D-Dimensional Dirac Equation for Energy-Dependent Pseudoharmonic and Mie-type Potentials via SUSYQM <i>A.N. Ikot, H. Hassanabadi, E. Maghsoudi, and S. Zarrinkamar</i>	436–446
Fast Generation of Einstein–Podolsky–Rosen States for Two Cavity Modes with a Collection of Driven Atoms <i>LU Dao-Ming and ZHENG Shi-Biao</i>	447–451
A Quantum Protocol for Millionaire Problem with Continuous Variables <i>ZHOU Yi-Hua, SHI Wei-Min, and YANG Yu-Guang</i>	452–456
Analytical Approximate Solution of Schrödinger Equation in D Dimensions with Quadratic Exponential-Type Potential for Arbitrary l -State <i>Akpan N. Ikot, Oladunjoye. A. Awoga, Hassan Hassanabadi, and Elham Maghsoudi</i>	457–463
Protecting Distribution Entanglement by Weak Measurement and Reversal under Various Decoherence Sources <i>WANG Qiong and YAO Chun-Mei</i>	464–468
Constraints on Non-Radial Oscillation Modes by Symmetry Energy Slope <i>ZHOU Ying and WEN De-Hua</i>	469–474
Novel Rotating Hairy Black Hole in (2 + 1) Dimensions <i>ZHAO Liu, XU Wei, and ZHU Bin</i>	475–481
Dark Energy Models and Cosmic Acceleration with Anisotropic Universe in $f(T)$ Gravity <i>M. Sharif and Sehrish Azeem</i>	482–490
On Hawking Radiation from a Charged Black Hole of Heterotic String Theory <i>Alexis Larrañaga</i>	491–494

(Continued)

ISSN 0253-6102
CN 11-2592/O3
Price: 108.00 Yuan

ISSN 0253-6102



A Study of the Behavioral Controllability for Superposed Kuznetsov–Ma Soliton of the (3+1)-Dimensional Generalized Nonlinear Schrödinger Equation <i>ZHU Hai-Ping and CHEN Li</i>	495–500
--	---------

Physics of Elementary Particles and Fields

QCD Sum Rules Study of $X(4350)$ <i>MO Zeng, CUI Chun-Yu, LIU Yong-Lu, and HUANG Ming-Qiu</i>	501–505
--	---------

Electromagnetism, Optics, Acoustics, Heat Transfer, Classical Mechanics, and Fluid Dynamics

Phase-Controlled Transparent Superluminal Light Propagation in a Doppler-Broadened Four-Level N-Type System <i>Lida Ebrahimi Zohravi, Majid Abedi, and Mohammad Mahmoudi</i>	506–516
Transformation Electrics: Cloaking and Rotating Electric Current <i>GAO Yong, WANG Wei-Hua, and HUANG Ji-Ping</i>	517–520
f -Deformed Squeezed Vacuum and First Excited States, Their Superposition and Corresponding Nonclassical Properties <i>A. NoormandiPour and M.K. Tavassoly</i>	521–530

Condensed Matter: Electronic Structure, Electrical, Magnetic, and Optical Properties

Voltage-Controlled Quantum Dynamics and Generation Entanglement between Two Separated Quantum-Dot Molecules Embedded in Photonic Crystal Cavities <i>CHENG Mu-Tian, SONG Yan-Yan, MA Xiao-San, and WANG Xia</i>	531–535
--	---------

Interdisciplinary Physics and Related Areas of Science and Technology

Quantum Transport through a Rigidly Connected Double Quantum-Dot Shuttle <i>JIANG Zhao-Tan, LI Sha, LÜ Zeng-Tao, and ZHANG Guo-Feng</i>	536–544
--	---------