



Review Papers

Observational challenges for the standard FLRW model

Thomas Buchert, Alan A. Coley, Hagen Kleinert, Boudewijn F. Roukema, David L. Wiltshire
1630007

Scalar and fermion representations of the Lorentz group in Minkowski plane, QFT correlators, pair creation in electric field and the Unruh effect

Alexander M. Fedotov, Nikolay B. Narozhny
1630008

Quantum cosmology: From hidden symmetries towards a new (supersymmetric) perspective

S. Jalalzadeh, T. Rostami, P. V. Moniz
1630009

Research Papers

Cosmic ray contributions to the WMAP polarization data on the cosmic microwave background

Tadeusz Wibig, Arnold W. Wolfendale
1650029

New solutions of exotic charged black holes and their stability

N. Farhangkhah
1650030

The van der Waals fluid and its role in cosmology

Rudinei C. S. Jantsch, Marcus H. B. Christmann, Gilberto M. Kremer
1650031

A divergence-free parametrization of deceleration parameter for scalar field dark energy

Abdulla Al Mamon, Sudipta Das
1650032

Entropy, energy and temperature–length inequality for Friedmann universes

Stefano Viaggiu
1650033

Bekenstein–Hawking entropy by energy quantization from Reissner–Nordström black hole

M. Jakir Hossain, M. Atiqur Rahman, M. Ilias Hossain

1650034

Quantum smearing in hybrid inflation with chaotic potentials

Waqas Ahmed, Ommair Ishaque, Mansoor Ur Rehman

1650035

Axially symmetric dissipative fluids in the quasi-static approximation

L. Herrera, A. Di Prisco, J. Ospino, J. Carot

1650036

Radiating collapse in the presence of anisotropic stresses

M. Govender, R. S. Bogadi, D. B. Lortan, S. D. Maharaj

1650037

The cosmology in $f(R,\tau)f(R,\tau)$ gravity without dark energy

Gang Sun, Yong-Chang Huang

1650038

Hertz potential formalism for force-free electrodynamics and its application to Brennan–Gralla–Jacobson solutions

Xiaokai He, Zhoujian Cao

1650039

Erratum

Erratum: Is gravitino condensation possible?

M. D. Pollock

1692001
