PHYSICAL REVIEW D THIRD SERIES, VOLUME 60, NUMBER 6 15 SEPTEMBER 1999

Critical collapse and the primordial black hole initial mass function *(8 pages)* 063509
Anne M. Green and Andrew R. Liddle
Perturbative nonequilibrium dynamics of phase transitions in an expanding universe *(22 pages)* 063510
Ian D. Lawrie
Chaotic inflation with a running nonminimal coupling *(6 pages)* 063511
Toshifumi Futamase and Masahiro Tanaka
Nonperturbative effects of vacuum energy on the recent expansion of the universe *(21 pages)* 063512
Leonard Parker and Alpan Raval
Baryogenesis from primordial black holes after the electroweak phase transition *(12 pages)* 063513
Niraj Upadhyay, Patrick Das Gupta, and R. P. Saxena
Tunneling in Λ decaying cosmologies and the cosmological constant problem *(8 pages)* 063514
M. A. Jafarizadeh, F. Darabi, A. Rezaei-Aghdam, and A. R. Rastegar
Resonant particle production with nonminimally coupled scalar fields in preheating after inflation *(19 pages)* 063515
Shinji Tsujikawa, Kei-ichi Maeda, and Takashi Torii
Supersymmetry and primordial black hole abundance constraints *(7 pages)* 063516
Anne M. Green
Large quantum gravity effects and nonlocal variables *(4 pages)* 064001
Alfredo E. Dominguez and Manuel H. Tiglio
Black holes and five-brane thermodynamics *(23 pages)* 064002
Emil Martinec and Vatche Sahakian
Radiative falloff in Schwarzschild–de Sitter spacetime *(10 pages)* 064003
Patrick R. Brady, Chris M. Chambers, William G. Laarakkers, and Eric Poisson
Energy density and pressure of long wavelength gravitational waves *(7 pages)* 064004
L. R. Abramo
Quantum creation of a black hole by tunneling in scalar field collapse *(6 pages)* 064005
Dongsu Bak, Sang Pyo Kim, Sung-Ku Kim, Kwang Sup Soh, and Jae Hyung Yee
Second-order rotational effects on the *r*-modes of neutron stars *(13 pages)* 064006
Lee Lindblom, Gregory Mendell, and Benjamin J. Owen
Stability of the *r*-modes in white dwarf stars *(5 pages)* 064007
Lee Lindblom
Newtonian limit of conformal gravity *(5 pages)* 064008
O. V. Barabash and Yu. V. Shtanov
Energy conservation for point particles undergoing radiation reaction *(20 pages)* 064009
Theodore C. Quinn and Robert M. Wald
Brown-York quasilocal energy, gravitational charge, and black hole horizons *(7 pages)* 064010
Sukanta Bose and Naresh Dadhich
Relativistic hydrodynamics of cosmological sheets *(11 pages)* 064011
Peter Anninos and Jonathan McKinney
Modular invariance and 3D gravitational instantons *(8 pages)* 064012
Thorsten Brotz, Miguel E. Ortiz, and Adam Ritz
Generalized Hartle-Hawking initial state: Quantum field theory on Einstein conifolds *(17 pages)* 064013
Kristin Schleich and Donald M. Witt
Green-Schwarz string action on $AdS_3 \times S^3$ with Ramond-Ramond charge *(8 pages)* 064014
J. Rahmfeld and Arvind Rajaraman
Chaos may make black holes bright *(5 pages)* 064015
Janna Levin
Generalized conformal quantum mechanics of D0-branes *(7 pages)* 064016
Donam Youm
Conformal hyperbolic formulation of the Einstein equations *(4 pages)* 064017
Miguel Alcubierre, Bernd Brügmann, Mark Miller, and Wai-Mo Suen

(Continued)