

CONTENTS - Continued

PHYSICAL REVIEW D

THIRD SERIES, VOLUME 56, NUMBER 8

15 OCTOBER 1997

Cosmological properties of a class of Λ decaying cosmologies	4625
V. Silveira and I. Waga	
Hadamard renormalization, conformal anomaly, and cosmological event horizons	4633
H. Ghafarnejad and H. Salehi	
Density perturbations with relativistic thermodynamics	4640
Roy Maartens and Josep Triginer	
Quantum decay of domain walls in cosmology. I. Instanton approach	4651
Shawn J. Kolitch and Douglas M. Eardley	
Quantum decay of domain walls in cosmology. II. Hamiltonian approach	4663
Shawn J. Kolitch and Douglas M. Eardley	
Asymptotic conditions of motion for radiating charged particles	4675
James L. Anderson	
Gravitational Lorentz force and the description of the gravitational interaction	4689
V. C. de Andrade and J. G. Pereira	
Criticality and bifurcation in the gravitational collapse of a self-coupled scalar field	4696
Eric W. Hirschmann and Douglas M. Eardley	
Gauge-invariant Hamiltonian formalism for spherically symmetric gravitating shells	4706
P. Hájíček and J. Bičák	
How to produce exotic matter using classical fields	4720
Dan N. Vollick	
Maintaining a wormhole with a scalar field	4724
Dan N. Vollick	
Dynamics of light cone cuts of null infinity	4729
Simonetta Frittelli, Carlos Kozameh, and Ezra T. Newman	
Geometric structure of the generic static traversable wormhole throat	4745
David Hochberg and Matt Visser	
Impulsive gravitational waves generated by null particles in de Sitter and anti-de Sitter backgrounds	4756
Jiří Podolský and Jerry B. Griffiths	
Spherical collapse of a massless scalar field with semiclassical corrections	4768
Shai Ayal and Tsvi Piran	
Well-behaved harmonic time slices of a charged, rotating, boosted black hole	4775
Gregory B. Cook and Mark A. Scheel	
Post-Newtonian Lagrangian planetary equations	4782
Mirco Calura, Pierluigi Fortini, and Enrico Montanari	
Radiative multipole moments of integer-spin fields in curved spacetime	4789
Stephen W. Leonard and Eric Poisson	
Tensor perturbations in high-curvature string backgrounds	4815
M. Gasperini	
Gravitational geons revisited	4824
Paul R. Anderson and Dieter R. Brill	
Nonthreshold D -brane bound states and black holes with nonzero entropy	4834
Miguel S. Costa and Mirjam Cvetič	
Exactly soluble sector of quantum gravity	4844
Joy Christian	
Null dust in canonical gravity	4878
Jiří Bičák and Karel V. Kuchař	
Casimir energies for massive scalar fields in a spherical geometry	4896
M. Bordag, E. Elizalde, K. Kirsten, and S. Leseduarte	
Thermal particle creation in cosmological spacetimes: A stochastic approach	4905
Don Koks, B. L. Hu, Andrew Matacz, and Alpan Raval	

(Continued)