

|                                                                                                            |      |
|------------------------------------------------------------------------------------------------------------|------|
| Telling tails in the presence of a cosmological constant .....                                             | 7538 |
| Patrick R. Brady, Chris M. Chambers, William Krivan, and Pablo Laguna                                      |      |
| Scalar wave falloff in asymptotically anti-de Sitter backgrounds .....                                     | 7546 |
| J. S. F. Chan and R. B. Mann                                                                               |      |
| Quantum aspects of ergoregion instability .....                                                            | 7563 |
| Gungwon Kang                                                                                               |      |
| Gauging $N=2$ supersymmetric nonlinear $\sigma$ models in the Atiyah-Ward space-time .....                 | 7574 |
| M. Carvalho and M. W. de Oliveira                                                                          |      |
| Topological invariants, instantons, and the chiral anomaly on spaces with torsion .....                    | 7580 |
| Osvaldo Chandía and Jorge Zanelli                                                                          |      |
| Restrictions on negative energy density in a curved spacetime .....                                        | 7586 |
| Dae-Yup Song                                                                                               |      |
| Possible new $R^2$ theory of supergravity .....                                                            | 7593 |
| Tobias Hurth, Peter van Nieuwenhuizen, Andrew Waldron, and Christian Preitschopf                           |      |
| Regular black holes and topology change .....                                                              | 7615 |
| Arvind Borde                                                                                               |      |
| Black strings and classical hair .....                                                                     | 7618 |
| Gary T. Horowitz and Haisong Yang                                                                          |      |
| Wavy strings: Black or bright? .....                                                                       | 7625 |
| Nemanja Kaloper, Robert C. Myers, and Harold Rousell                                                       |      |
| $D$ -branes and near extremal black holes at low energies .....                                            | 7645 |
| Juan Maldacena                                                                                             |      |
| Edge states and entropy of two-dimensional black holes .....                                               | 7651 |
| J. Gegenberg, G. Kunstatler, and T. Strobl                                                                 |      |
| Can the entanglement entropy be the origin of black-hole entropy? .....                                    | 7666 |
| Shinji Mukohyama, Masafumi Seriu, and Hideo Kodama                                                         |      |
| Evolution of near-extremal black holes .....                                                               | 7680 |
| S. W. Hawking and M. M. Taylor-Robinson                                                                    |      |
| High energy effects on $D$ -brane and black hole emission rates .....                                      | 7693 |
| Saurya Das, Arundhati Dasgupta, and Tapobrata Sarkar                                                       |      |
| Spin factor in the path integral representation for the Dirac propagator in external fields .....          | 7701 |
| Dmitri M. Gitman and Stoian I. Zlatev                                                                      |      |
| Lamb shift in a light-front Hamiltonian approach .....                                                     | 7715 |
| Billy D. Jones and Robert J. Perry                                                                         |      |
| Solitons in a baby-Skyrme model with invariance under area-preserving diffeomorphisms .....                | 7731 |
| T. Gisiger and M. B. Paranjape                                                                             |      |
| Smooth bosonization as a quantum canonical transformation .....                                            | 7739 |
| Andrew J. Bordner                                                                                          |      |
| Relativistic (3+1)-dimensional nontopological solitons under perturbations .....                           | 7749 |
| Christian Elphick                                                                                          |      |
| Casimir pressure at two loops and soft boundaries at finite temperature .....                              | 7754 |
| Luiz C. de Albuquerque                                                                                     |      |
| $\epsilon$ expansion analysis of very weak first-order transitions in the cubic anisotropy model. I .....  | 7760 |
| Peter Arnold and Laurence G. Yaffe                                                                         |      |
| $\epsilon$ expansion analysis of very weak first-order transitions in the cubic anisotropy model. II ..... | 7776 |
| Peter Arnold and Yan Zhang                                                                                 |      |
| Hot $B$ violation, the lattice, and hard thermal loops .....                                               | 7781 |
| Peter Arnold                                                                                               |      |
| Simple criterion for the occurrence of Bose-Einstein condensation and the Meissner-Ochsenfeld effect ..... | 7797 |
| Klaus Kirsten and David J. Toms                                                                            |      |