

PUBLICACIONES / 2004

1. Alfaro, J and Labrana, P and Andrianov, AA. Extended QCD(2) from dimensional projection of QCD(4). *J. High Energy Phys.*, 067 (2004).
2. Alfaro, J and Morales-Tecotl, HA and Reyes, M and Urrutia, LF. Alternative approaches to Lorentz violation invariance in loop quantum gravity inspired models. *Phys. Rev. D* 70, 084002 (2004).
3. Banados, M. Charged black holes in Gauss Bonnet extended gravity. *Phys. Lett. B* 579, 13-24 (2004).
4. Banados, M. The physics of higher-dimensional Chern Simons supergravities. *Nucl. Phys. B Proc. Suppl.* 127, 110-113 (2004).
5. Banados, M and Caro, R. The holographic ward identity: examples from 2+1 gravity. *J. High Energy Phys.*, 036 (2004).
6. Banados, M and Schwimmer, A and Theisen, S. Chern Simons gravity and holographic anomalies. *J. High Energy Phys.*, 039 (2004).
7. Benguria, R and Depassier, MC. Variational calculation of the period of nonlinear oscillators. *J. Stat. Phys.* 116, 923-931 (2004).
8. Benguria, RD and Brummelhuis, R and Duclos, P and Perez Oyarzun, S. H-2(++) in a strong magnetic field described via a solvable model. *J. Phys. B* 37, 2311-2320 (2004).
9. Benguria, RD and Catto, I and Dolbeault, J and Monneau, R. Oscillating minimizers of a fourth-order problem invariant under scaling. *J. Differ. Equ.* 205, 253-269 (2004).
10. Benguria, RD and Depassier, MC and Mendez, V. Minimal speed of fronts of reaction-convection-diffusion equations. *Phys. Rev. E* 69, 031106 (2004).
11. Cabo, A and Claro, F. Analytic mean field charge-density-wave solution at $\nu=1/3$: Composite fermion like subbands and correlation effects. *Phys. Rev. B* 70, 235320 (2004).
12. Cartes, C and Clerc, MG and Soto, R. van der Waals normal form for a one-dimensional hydrodynamic model. *Phys. Rev. E* 70, 031302 (2004).
13. Channon, S and Mitchell, I and Wyndham, E and Favre, M and Chuaqui, H. Sheared flow generation in imploding Vlasov-fluid plasmas. *Phys. Scr.* 69, 30-40 (2004).
14. Fuchs, R and Claro, F. Enhanced nonconservative forces between polarizable nanoparticles in a time-dependent electric field. *Appl. Phys. Lett.* 85, 3280-3282 (2004).
15. Gamboa, J and Loewe, M and Mendez, F. Quantum theory of tensionless noncommutative p-branes. *Phys. Rev. D* 70, 106006 (2004).

16. Gamboa, J and Lopez Sarrion, J. Central charges and effective action at finite temperature and density. *Mod. Phys. Lett. A* 19, 223-238 (2004).
17. Gonzalez, J and Orszag, M. Quantum cloning and cavity QED. *Open Syst. Inf. Dyn.* 11, 377-383 (2004).
18. Hansen, FY and Criswell, L and Fuhrmann, D and Herwig, KW and Diama, A and Dimeo, RM and Neumann, DA and Volkmann, UG and Taub, H. Intramolecular diffusive motion in alkane monolayers studied by high-resolution quasielastic neutron scattering and molecular dynamics simulations. *Phys. Rev. Lett.* 92, 046103 (2004).
19. Hassaine, M and Olea, R and Troncoso, R. Supersymmetric extension of the nine-dimensional continuation of the Euler density with $N=2$. *Phys. Lett. B* 599, 111-117 (2004).
20. Lederman, D and Ramirez, R and Kiwi, M. Monte Carlo simulations of exchange bias of ferromagnetic thin films on FeF₂(110). *Phys. Rev. B* 70, 184422 (2004).
21. Lederman, D and Wang, Y and Morales, EH and Matelon, RJ and Cabrera, GB and Volkmann, UG and Cabrera, AL. Magneto-optic properties of Fe/Pd and Co/Pd bilayers under hydrogen absorption. *Appl. Phys. Lett.* 85, 615-617 (2004).
22. Loewe, M and Villavicencio, C. Thermal pion masses in the second phase: vertical bar μ (I) vertical bar $> m(\pi)$. *Phys. Rev. D* 70, 074005 (2004).
23. Matelon, RJ and Newman, DM and Wears, ML. Photoacoustic determination of the plasmon enhanced electric field at a corrugated metal interface. *Rev. Sci. Instrum.* 75, 2560-2563 (2004).
24. Maze, J and Orszag, M. Perfect transmission of the subPoissonian character of a field via continuous variable teleportation. *J. Mod. Opt.* 51, 2021-2028 (2004).
25. Maze, JR and Orszag, M. Optimized transmission of quantum properties in continuous teleportation. *J. Opt. B* 6, S566-S574 (2004).
26. Mo, H and Trogisch, S and Taub, H and Ehrlich, SN and Volkmann, UG and Hansen, FY and Pino, M. Studies of the structure and growth mode of dotriacontane films by synchrotron x-ray scattering and molecular dynamics simulations. *J. Phys. C* 16, S2905-S2910 (2004).
27. Mo, H and Trogisch, S and Taub, H and Ehrlich, SN and Volkmann, UG and Hansen, FY and Pino, M. Structure and growth of dotriacontane films on SiO₂ and Ag(111) surfaces: synchrotron X-ray scattering and molecular dynamics simulations. *Phys. Status Solidi A* 201, 2375-2380 (2004).
28. Mora, P and Olea, R and Troncoso, R and Zanelli, J. Finite action principle for Chern-Simons AdS gravity. *J. High Energy Phys.*, 036 (2004).
29. Newman, DM and Wears, ML and Matelon, RJ. Plasmon emission studies on nano-scale particulate recording materials. *J. Phys. D* 37, 976-982 (2004).
30. Newman, DM and Wears, ML and Matelon, RJ. Plasmon transport phenomena on a continuous ferromagnetic surface. *Europhys. Lett.* 68, 692-698 (2004).

31. Orellana, PA and de Guevara, MLL and Claro, F. Controlling Fano and Dicke effects via a magnetic flux in a two-site Anderson model. *Phys. Rev. B* 70, 233315 (2004).
32. Orszag, M and Maze, J. Transmission of a mixed state via continuous-variable teleportation. *Laser Phys.* 14, 1265-1267 (2004).
33. Peng, GX and Loewe, M and Lombardo, U and Wen, XJ. A new treatment of the in-medium chiral condensates. *Nucl. Phys. B Proc. Suppl.* 133, 259-264 (2004).
34. Vegas, A and Mejia-Lopez, J and Romero, AH and Kiwi, M and Santamaria-Perez, D and Baonza, VG. Structural similarities between Ti metal and titanium oxides: implications on the high-pressure behavior of oxygen in metallic matrices. *Solid State Sci.* 6, 809-814 (2004).
35. Weissmann, M and Garcia, G and Kiwi, M and Ramirez, R. Theoretical study of carbon-coated iron nanowires. *Phys. Rev. B* 70, 201401 (2004).
36. Yan, WX and Claro, F and Xie, BH and Zhao, XG and Li, XP and Liang, JQ. Probing the ladder spectrum arising from motion in a two-dimensional lattice driven by in-plane constant forces. *Phys. Rev. B* 69, 073306 (2004).
37. Zarate, RA and Avila, RE and Cabrera, AL and Volkmann, UG. Ferroelectric properties of flash evaporated barium titanate thin films. *Ferroelectrics* 313, 21-31 (2004).
38. Zeng, ZY and Nie, YY and Claro, F and Yan, W. Coherent transmission through a one-dimensional lattice. *Phys. Lett. A* 331, 84-98 (2004).