

LISTE COMPLETE DES PUBLICATIONS

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- 4) A. Bonanno, V. Branchina, H. Mohrbach, D. Zappalà, **Wegner-Houghton equation and derivative expansion**, Phys. Rev. D 60 (1999) 65009-1 to 11
- 5) A. Bérard, Y. Grandati, H. Mohrbach, **Dirac monopole with Feynman brackets**, Phys. Lett. A 254 (1999), 133-136
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- 8) P. Gosselin, H. Mohrbach, **Renormalization Group in Quantum Mechanics**, J. Phys. A: Math. Gen. 33 (2000) 1-13
- 9) H. Mohrbach, A. Bérard, P. Gosselin, **Bosons Doubling**, Eur. Phys. J. C 17 (2000) 455-459
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- 14) P. Gosselin, H. Mohrbach, **Renormalization of Higher Derivative Scalar Theory**, Eur. Phys. J. Direct 10 (2002) 1-10
- 15) A. Bérard, J. Lages, H. Mohrbach, **Angular symmetry breaking induced by electromagnetic field**, Eur. Phys. J. C 35 (2003) 373,
- 16) A. Bérard, H. Mohrbach, **Monopole in momentum space in Noncommutative Quantum Mechanics**, Phys. Rev. D 69 (2004) 45410
- 17) P. Gosselin, H. Mohrbach, A. Bérard, **Effective Action for a Statistical Field Theory with Field Dependant Wave Function**, Int. J. Theo. Phys 44 (2005) 319
- 18) H. Mohrbach, **Kinetics of non-ionic surfactant adsorption at a fluid-fluid interface from a micellar solution**, Jour. Chem. Phys. 123 (2005) 126101
- 19) P. Gosselin and H. Mohrbach, **Free Energy Formalism for Particle Adsorption**, Phys. Rev. E 71 (2005) 031101
- 20) I. M. Kulic, H. Mohrbach, V. Lobaskin, R. Thakkar, H. Schiessel, **Apparent Persistence Length Renormalization of Bent DNA**, Phys. Rev. E 72 (2005) 041905.
- 21) A. Bérard and H. Mohrbach, **Spin Hall effect and Berry phase of spinning particles**, Phys. Lett. A. 368 (2006) 352
- 22) P. Gosselin, F. Ménas, A. Bérard, H. Mohrbach, **Semiclassical dynamics of electrons in magnetic Bloch bands: A Hamiltonian approach**, Eur. Phys. Lett. 76 (2006) 651
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- 29) J. Lages, A. Berard, H. Mohrbach, Y. Grandati, P. Gosselin, **Noncommutative Quantum Mechanics Viewed from Feynman Formalism**, Proceedings of the Lorentz Workshop "Beyond the Quantum", eds. Th.M. Nieuwenhuizen et al., World Scientific, Singapore, 2007
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- 35) Y. Grandati, A. Berard, H. Mohrbach, **Duality properties of Gorringe-Leach equations**, Celestial Mechanics & Dynamical Astronomy (Celest Mech Dyn Astr) 103 (2009) 133-141
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- 49) Z. Belhadi, F. Menas, A. Bérard, P. Gosselin, H. Mohrbach, **Dirac equation in Magueijo-Smolín approach of the Doubly Special Relativity**, International Journal of Modern Physics A 27 (2012) 1250031.
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