

Publications Quitemad 2014

- G. Ortiz, J. Dukelsky, E. Cobanera, C. Eсеbbag, y C. Beenakker
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Cosmological signature change in Cartan Gravity with dynamical symmetry breaking
2014 Phys. Rev. D 89, 063542 (2014) 10.1103/PhysRevD.89.063542
- Carlos Navarrete-Benlloch, Juan José García-Ripoll, and Diego Porras
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2014 Phys. Rev. Lett. 113, 193601 (2014) 10.1103/PhysRevLett.113.193601
- F. Quijandría, U. Naether, D. Porras, J. J. García-Ripoll, D. Zueco.
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- Kurcz, J. J. García-Ripoll, A. Bermúdez.
The Interspersed Spin-Boson Lattice Model.
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- E. Sánchez-Burrillo, D. Zueco, J. J. García-Ripoll, L. Martín-Moreno. Scattering in the Ultrastrong Regime: Nonlinear Optics with One Photon. 2014 Phys. Rev. Lett. 113, 263604 (2014) 10.1103/PhysRevLett.113.263604
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- "Dynamics from Geometry: Classical and Quantum
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- "A Hamiltonian numerical algorithm for singular LQ systems"
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- "Quantum Metropolitan Optical Network based on Wavelength Division
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- Efficient algorithm to compute the Berry conductivity
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- Theory of Quantum Computation, Communication, and Cryptography
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Comentarios: 6th Conference, TQC 2011, Madrid, Spain, May 24-26, 2011,

Revised Selected Papers ORGANIZED BY QITEMAD

- Quantum speedup for active learning agents
G. D. Paparo, V. Dunjko, A. Makmal, M. A. Martin Delgado, H. J. Briegel
Revista: arXiv:1401.4997 (fecha: 2014)
- Publicación: <http://arxiv.org/abs/1401.4997>
Supersymmetric gauge theories, Coulomb gases and ChernSimons matrix models
Georgios Giasemidis, Richard J. Szabo, Miguel Tierz
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- Glassy Chimeras are blind to quantum speedup: Designing better benchmarks for quantum annealing machines
H. G. Katzgraber, F. Hamze, Ruben S. Andrist
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- Local quanta, unitary inequivalence, and vacuum entanglement
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Article Revista: Annals of Physics (fecha: 1/3/2014)
- "Lattice Laughlin States of Bosons and Fermions at Filling Fractions $1/q$
HongHao Tu, Anne E. B. Nielsen, J. Ignacio Cirac, German Sierra;
Article Revista: (fecha: 2014)
Comentarios: New J. Phys. 16, 033025 (2014) arXiv:1311.3958.
- "Quantum Computation of Prime Number Functions",
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- Fundamental Finite Key Limits for Information Reconciliation in Quantum Key Distribution
Marco Tomamichel, Jesus MartinezMateo, Christoph Pacher, David Elkouss
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- Emergence of coherence and dynamics of quantum phase transitions
s. braun, m. friesdorf, s.s. hodgman, m. schreiber, j.p. ronzheimer, a. riera, m. del rey, i. bloch, j. eisert, u. schneider
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- Reducing Spacetime to Binary Information"
Silke Weinfurter, Gemma De las Cuevas, Miguel A. MartinDelgado, Hans J. Briegel.

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Comentarios: We present a new description of discrete spacetime in 1+1 dimensions in terms of a set of elementary geometrical units that represent its independent classical degrees of freedom.

- Rankone Quantum Games
T. Cooney, M. Junge, C. Palazuelos, D. Pérez García
Article Revista: Computational Complexity (accepted) (fecha: 2014)