

Review Articles

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- [4] T. Vojta: *Rare region effects at classical, quantum, and non-equilibrium phase transitions*, J. Phys. A **39**, R143–R205 (2006), cond-mat/0602312
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- [1] T. Vojta: *Quantum phase transitions in electronic systems*, Ann. Phys. (Leipzig) **9** (2000) 403–40, cond-mat/9910514

Refereed Research Articles

- [86] T. Vojta and J.A. Hoyos: *Magnetic Grüneisen ratio of the random transverse-field Ising chain*, submitted to phys. stat. sol (b), arXiv:0906.0972
- [85] T. Vojta: *Thermal expansion and Grüneisen parameter in quantum Griffiths phases*, accepted for publication in Phys. Rev. B, arXiv:0905.2106
- [84] T. Heitmann, A. Schmets, J. Gaddy, J. Lamsal, M. Petrovic, W. Montfrooij, and T. Vojta: *Magnetic excitations in the spinel compound $Li_x[Mn_{1.96}Li_{0.04}]O_4$ ($x = 0.2, 0.6, 0.8, 1.0$): how a classical system can mimic quantum critical scaling*, submitted to Phys. Rev. B, arXiv:0902.4412
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- [79] T. Vojta, A. Farquhar, and J. Mast: *Infinite-randomness critical point in the two-dimensional disordered contact process*, Phys. Rev. E **79**, 011111 (2009), arXiv:0810.1569
- [78] T. Vojta, C. Kotabage, and J.A. Hoyos: *Infinite-randomness quantum critical points induced by dissipation*, Phys. Rev. B **79**, 024401 (2009); selected as an Editor's Suggestion, see accompanying Viewpoint commentary by G. Refael, Physics **2**, 1 (2009), [also: Virtual Journal of Nanoscale Science & Technology **19**, no. 3 (2009)], arXiv:0809.2699
- [77] J.A. Hoyos and T. Vojta: *Theory of smeared quantum phase transitions*, Phys. Rev. Lett. **100**, 240601 (2008), arXiv:0802.2303
- [76] T. Vojta and J.A. Hoyos: *Quantum phase transitions on percolating lattices*, submitted to Int. J. Mod. Phys. B, arXiv:0707.0658
- [75] J.A. Hoyos and T. Vojta: *Dissipation effects in percolating quantum Ising magnets*, Physica B **403**, 1245 (2008), cond-mat/0703557
- [74] T. Vojta and J.A. Hoyos: *Ordered droplets in quantum magnets with long-range interactions*, Physica B **403**, 1239 (2008), cond-mat/0703555

- [73] J.A. Hoyos, C. Kotabage, and T. Vojta: *Effects of dissipation on a quantum critical point with disorder*, Phys. Rev. Lett. **99**, 230601 (2007), [also: Virtual Journal of Nanoscale Science & Technology **16**, no. 25 (2007)], arXiv:0705.1865
- [72] J.A. Hoyos and T. Vojta: *Local defect in a magnet with long-range interactions*, Phys. Rev. B **75**, 104418 (2007), cond-mat/0611001
- [71] S. Huether, R. Kinney and T. Vojta: *Slow dynamics at the smeared phase transition of randomly layered magnets*, Phys. Rev. B **74**, 094425 (2006), cond-mat/0607025
- [70] T. Vojta and R. Sknepnek: *Quantum phase transitions of the diluted $O(3)$ rotor model*, Phys. Rev. B **74**, 094415 (2006), cond-mat/0606154
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Proceedings, Books, and Book Chapters

- [17] M. Vojta and T. Vojta: *Melting at the absolute zero of temperature: Quantum phase transitions in condensed matter*, in W. Eisenberg (Ed.): Festschrift on the occasion of Prof. Günter Vojta's 80th birthday, Synergie, Syntropie, Nichtlineare Systeme, vol. 7, Leipziger Universitätsverlag, Leipzig (2008), pp 63–73, arXiv:0809.2272
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Popular Science Articles

- [1] T. Vojta: *From order to disorder via quantum fluctuations* (in German), *Physik in unserer Zeit* 32 (2001), 38–43

Invited Talks at National and International Meetings

- [22] T. Vojta: *Effects of dissipation on quantum critical points with disorder*, ICAM Workshop on Quantum Phase Transitions: Statics and Dynamics, Toronto (25 Sep 2008)
- [21] T. Vojta: *Quantum critical points with disorder and dissipation*, Int. Conf. on Low-Temperature Physics LT25, Amsterdam (12 Aug 2008)
- [20] T. Vojta: *Effects of dissipation on quantum critical points with disorder*, Int. Conf. on Frontiers of Quantum and Mesoscopic Thermodynamics, Prague (28 July 2008)
- [19] T. Vojta: *Disordered quantum phase transitions*, Series of four lectures at the Summer School of the Asia-Pacific Center for Theoretical Physics, Seoul (21 July 2008)
- [18] T. Vojta: *Quantum phase transitions on percolating lattices*, 14th Int. Conf. on Recent Progress in Many-Body Theories, Barcelona (18 July 2007)
- [17] T. Vojta: *Quantum phase transitions on percolating lattices*, APS March Meeting, Denver (7 Mar 2007)
- [16] T. Vojta: *Quantum phase transitions and disorder: Infinite randomness, Griffiths singularities, and smearing*, APCTP Winter Workshop on Emergent phenomena near quantum critical points, Pohang, Korea, (7 Feb 2007)
- [15] T. Vojta: *Quantum phase transitions on percolating lattices*, APCTP Winter Workshop on Emergent phenomena near quantum critical points, Pohang, Korea, (9 Feb 2007)
- [14] T. Vojta: *Quantum phase transitions and disorder: rare regions, Griffiths effects and smearing*, KITP Conference on Quantum Phase Transitions, Kavli Institute for Theoretical Physics, Santa Barbara (18 Jan 2005)
- [13] T. Vojta: *Ferromagnetic quantum phase transitions*, 20th General Conference of the Condensed Matter Division of the European Physical Society, Prague (21 July 2004)
- [12] T. Vojta and R. Sknepnek: *Critical points and quenched disorder: From Harris criterion to rare regions and smearing*, International Workshop on Modelling and Simulation in Molecular Systems, Mesoscopic Structures, and Materials Science, Chemnitz (21 Apr 2004)
- [11] T. Vojta: *Itinerant ferromagnetic quantum phase transition*, ICAM workshop on quantum criticality, New York (21 Mar 2003)
- [10] T. Vojta: *Unconventional scaling at dirty superconducting quantum phase transitions*, SPHINX Workshop on Unconventional Critical Behaviour and Phase Transitions, Prague (21 Sep 2002)
- [9] T. Vojta: *Quantum phase transitions in electronic systems*, European Science Foundation FERLIN Workshop on the Physics of Ytterbium systems at low temperatures, Krumbach (30 Nov 2001)
- [8] A. Goldman, A. Möbius, Z. Ovadyahu and T. Vojta: *Discussion panel on glassy behavior in Coulomb systems*, 9th International Conference on Hopping and Related Phenomena, Shefayim (3 Sep 2001)
- [7] T. Vojta: *Quantum phase transitions: Theory and simulations*, WE-Heraeus summer school on statistical physics: From the billiard table to Monte Carlo, Chemnitz (5 Oct 2000)
- [6] T. Vojta: *Condensed matter physics on the computer*, Int. summer school on teaching computational physics, Trest (31 Aug 2000)
- [5] T. Vojta, D. Belitz, T.R. Kirkpatrick, R. Narayanan: *Quantum critical behavior of itinerant ferromagnets*, Int. Conference on Localization, Hamburg (30 Jul 1999)
- [4] T. Vojta, F. Epperlein and M. Schreiber: *Computer simulation of disordered interacting electrons*, Conference on Computational Physics, Granada (3 Sep 1998)
- [3] T. Vojta, D. Belitz, T.R. Kirkpatrick and R. Narayanan: *Magnetic quantum phase transition*

- of clean and disordered itinerant electrons, 62. Frühjahrstagung der DPG, Regensburg (24 Mar 1998)
- [2] T. Vojta: *Numerical simulation of the quantum Coulomb glass*, Workshop of A. von Humboldt-Stiftung: Localization and Electronic States in Low-dimensional Condensed Matter Systems, Papstsdorf (16 Jan 1998)
- [1] T. Vojta: *Quantum Coulomb glass*, 7th International Conference on Hopping and Related Phenomena, Rackeve (20 Aug 1997)

Seminars and Colloquia

- [58] T. Vojta: *Infinite-randomness quantum critical points induced by dissipation*, Seminar, Institute for Theoretical Condensed Matter Physics, University of Karlsruhe (25 May 2009)
- [57] T. Vojta: *Phase transitions and disorder: from Harris criterion to infinite randomness and smearing*, Physics Colloquium, Dresden University of Technology, Dresden, Germany (19 May 2009)
- [56] T. Vojta: *Phase transitions and disorder: from Harris criterion to infinite randomness and smearing*, Physics Colloquium, Max-Planck-Institute for Chemical Physics of Solids, Dresden, Germany (14 May 2009)
- [55] T. Vojta: *How rare regions can dominate the thermodynamics of a macroscopic system*, Scientific Jam Session, Max-Planck-Institute for Physics of Complex System, Dresden, Germany (23 Januar 2009)
- [54] T. Vojta: *The superconductor-metal transition in disordered nanowires*, Condensed Matter Seminar, Max-Planck-Institute for Physics of Complex System, Dresden, Germany (15 Januar 2009)
- [53] T. Vojta: *Phase transitions and disorder: from Harris criterion to infinite randomness and smearing*, Physics Colloquium, Louisiana State University, Baton Rouge (4 Dec 2008)
- [52] T. Vojta: *Broken symmetry: the 2008 Physics Nobel Prize*, Physics Colloquium, University of Missouri-Rolla, Rolla (20 Nov 2008)
- [51] T. Vojta: *Quantum phase transitions with disorder and dissipation*, Complex Quantum Systems Seminar, University of Texas, Austin (16 October 2008)
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