

Current Rapid Communications

Rapid Communications in Physical Review are short reports of important new work which are of sufficient interest to be given priority handling in the publication process. The following papers have been accepted for publication as Rapid Communications and appear as indicated in the designated Physical Review issues.

Physical Review B, Vol. 55, May 1997, Issue 18

- Molecular-dynamics modeling of shock-compressed liquid hydrogen Thomas J. Lenosky, Joel D. Kress, Lee A. Collins, and Inhee Kwon R11907
- Backscattering from perfectly reflective random media E. Bascones, M.J. Calderón, D. Castelo, T. López, and J.J. Sáenz R11911
- Evidence for finite conductivity of icosahedral AlPdRe at $T = 0$ K M. Ahlgren, C. Gignoux, M. Rodmar, C. Berger, and O. Rapp R11915
- Noise probe for bias-dependent current-path rearrangements in disordered solids I. Bloom, S. Reznik, and I. Balberg R11919
- Photoelectron spectroscopy as a probe for studying phase-transition kinetics M. Fanfoni and M. Tomellini R11923
- Localized electron-phonon states originated by a three-wave interaction V.V. Konotop R11926
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- Scaling behavior of an antiferroelectric hysteresis loop Yong-Hae Kim and Jong-Jean Kim R11933
- Identification of an intrinsic localized spin-wave resonance in antiferromagnetic chains with single-ion easy-plane anisotropy R. Lai and J. Sievers R11937
- Spin dynamics of the spin-Peierls compound CuGeO_3 under a magnetic field D. Poilblanc, J. Riera, C.A. Hayward, C. Berthier, and M. Horvatić R11941
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- Universal jump in the helicity modulus of the two-dimensional quantum XY model Kenji Harada and Naoki Kawashima R11949
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- Evidence for domain formation near the Curie temperature in ultrathin Ni/Cu(001) films with perpendicular anisotropy P. Pouloupoulos, M. Farle, U. Bovensiepen, and K. Baberschke R11961
- Unconventional magnetostriction in layered $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$: Evidence for spin-lattice coupling above T_C D.N. Argyriou, J.F. Mitchell, C.D. Potter, S.D. Bader, R. Kleb, and J.D. Jorgensen R11965
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- Correlation effects in carbon nanotubes Leon Balents and Matthew P.A. Fisher R11973
- Josephson plasma resonance in the mixed state of the organic superconductor $\kappa\text{-(BED T-TTF)}_2\text{Cu(NCS)}_2$ T. Shibauchi, M. Sato, A. Mashio, T. Tamegai, H. Mori, S. Tajima, and S. Tanaka R11977
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- Determining the structure of the superconducting gap in Cu_2O_3 two-leg ladder materials N. Bulut and D.J. Scalapino R11985
- Resonances of dynamical checkerboard states in Josephson arrays with self-inductance M. Barahona, E. Trías, T.P. Orlando, A.E. Duwel, H.S.J. van der Zant, Shinya Watanabe, and S.H. Strogatz R11989
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- Long-range magnetic order of the Er ions in $\text{Er}_2\text{Ba}_4\text{Cu}_7\text{O}_{14.92}$ G. Böttger, P. Fischer, A. Dönni, P. Berastegui, Y. Aoki, H. Sato, and F. Fauth R12005

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- Adaptive targeting of chaos S. Boccaletti, A. Farini, E.J. Kostelich, and F.T. Arecchi R4845

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