

PHYSICAL REVIEW B

RAPID COMMUNICATIONS

For editorial and subscription correspondence,
please see inside front cover
(ISSN: 1082-586X)

BRC 56 07

CONTENTS

1 OCTOBER 1997

Reprinted from Physical Review B Condensed Matter, Volume 56, Third Series, Number 14

Structure, structural phase transitions, mechanical properties, defects, etc.

- Radiation trapping in nuclear resonant scattering of x rays R8455
A. I. Chumakov, J. Metge, A. Q. R. Baron, R. Rüffer, Yu. V. Shvyd'ko, H. Grünsteudel, and
H. F. Grünsteudel

Inhomogeneous, disordered, and partially ordered systems

- Glass transition of polystyrene near the surface studied by slow-positron-annihilation spectroscopy R8459
Y. C. Jean, Renwu Zhang, H. Cao, Jen-Pwu Yuan, Chia-Ming Huang, B. Nielsen, and P. Asoka-Kumar
- Model for nonexponential nuclear relaxation in highly doped magnetic glasses R8463
I. P. Goudemond, J. M. Kewartland, M. J. R. Hoch, and G. A. Saunders

Dynamics, dynamical systems, lattice effects, quantum solids, etc.

- Solitonic approach to the dimerization problem in correlated one-dimensional systems R8467
Jiří Málek, Stefan-Ludwig Drechsler, Gernot Paasch, and Karen Hallberg
- Density-matrix renormalization-group study of one-dimensional acoustic phonons R8471
L. G. Caron and S. Moukouri
- Local Jahn-Teller distortion in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ observed by pulsed neutron diffraction R8475
Despina Louca, T. Egami, E. L. Brosha, H. Röder, and A. R. Bishop

Magnetism

- Ferromagnetism in the large- U Hubbard model R8479
Thomas Obermeier, Thomas Pruschke, and Joachim Keller
- Direct observation of two-dimensional self-focusing of spin waves in magnetic films R8483
M. Bauer, C. Mathieu, S. O. Demokritov, B. Hillebrands, P. A. Kolodin, S. Sure, H. Dötsch, V. Grimalsky,
Yu. Rapoport, and A. N. Slavin
- ^{13}C NMR study of nesting instability in $\alpha\text{-(BEDT-TTF)}_2\text{RbHg(SCN)}_4$ R8487
K. Miyagawa, A. Kawamoto, and K. Kanoda
- Magnetic interfaces in Fe-based nanocrystalline alloys determined by Mössbauer spectrometry R8491
A. Ślowska-Waniewska and J. M. Grenèche
- Local lattice distortions and thermal transport in perovskite manganites R8495
J. L. Cohn, J. J. Neumeier, C. P. Popoviciu, K. J. McClellan, and Th. Leventouri
- Room-temperature dipole ferromagnetism in linear-self-assembling mesoscopic Fe particle arrays R8499
Akira Sugawara and M. R. Scheinfein
- Observation of a fluctuation-enhanced magnetoresistance in $\text{Ni}_{81}\text{Fe}_{19}/\text{Ag}$ multilayers at high current density R8503
C. T. Rogers, L. S. Kirschenbaum, P. D. Beale, S. E. Russek, and S. C. Sanders

(Continued)

CONTENTS - *Continued*

Superfluidity and superconductivity

Effect of light irradiation on Fiske resonances and the Josephson effect in high- T_c junctions	R8507
J. Elly, M. G. Medici, A. Gilabert, F. Schmidl, P. Seidel, A. Hoffmann, and Ivan K. Schuller	
Weak pseudogap in crystals of $\text{Pb}_2\text{Sr}_2(\text{Y,Ca})\text{Cu}_3\text{O}_{8+\delta}$	R8511
Ya-Wei Hsueh, B. W. Statt, M. Reedyk, J. S. Xue, and J. E. Greedan	
ac effect in the conductance of mesoscopic normal-metal–superconductor structures	R8515
V. N. Antonov and Hideaki Takayanagi	
Electron transport in mesoscopic disordered superconductor–normal-metal–superconductor junctions	R8518
Athanasios Bardas and Dmitri V. Averin	
Gliding dislocations in a driven vortex lattice	R8522
Stefan Scheidl and Valerii M. Vinokur	
Electric and magnetic properties and phase diagram of a series of organic superconductors $\lambda\text{-BETS}_2\text{GaX}_z\text{Y}_{4-z}$ [BETS=bis(ethylenedithiotetraselenafulvalene; $X, Y = \text{F, Cl, Br}$; $0 < z < 2$)]	R8526
Hayao Kobayashi, Hiroki Akutsu, Emiko Arai, Hisashi Tanaka, and Akiko Kobayashi	
Normal-state Hall effect and the insulating resistivity of high- T_c cuprates at low temperatures	R8530
Yoichi Ando, G. S. Boebinger, A. Passner, N. L. Wang, C. Geibel, F. Steglich, I. E. Trofimov, and F. F. Balakirev	