

PHYSICAL REVIEW B

For editorial and subscription correspondence,
please see inside front cover
(ISSN: 0163-1829)

SECOND CLASS
Postmaster send address changes to:
American Institute of Physics
500 Sunnyside Boulevard
Woodbury, NY 11797-2999

THIRD SERIES, VOLUME 53, NUMBER 14

CONTENTS

1 APRIL 1996-II

RAPID COMMUNICATIONS

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

- Transient absorption of vibrationally excited $F_H(\text{CN}^-)$ centers in cesium halides: Insight into the electronic-to-vibrational energy transfer R8811
D. Samiec, H. Stolz, and W. von der Osten
- Quartzlike polymorph of ice R8815
Igor M. Svishchev and Peter G. Kusalik

Inhomogeneous, disordered, and partially ordered systems

- Dominant role of E' centers in x-ray-induced, visible luminescence in high-purity amorphous silicas R8818
A. J. Miller, R. G. Leisure, V. A. Mashkov, and F. L. Galeener
- Homogeneous linewidth of the $^5D_0$ - $^7F_0$ transition of trivalent europium in a fluorophosphate glass R8821
R. T. Brundage and Christian S. Reyerson

Magnetism

- Soft-x-ray fluorescence study of buried silicides in antiferromagnetically coupled Fe/Si multilayers R8824
J. A. Carlisle, A. Chaiken, R. P. Michel, L. J. Terminello, J. J. Jia, T. A. Callcott, and D. L. Ederer
- Spin and charge gaps in the one-dimensional Kondo-lattice model with Coulomb interaction between conduction electrons R8828
Naokazu Shibata, Tomotoshi Nishino, Kazuo Ueda, and Chikara Ishii
- Kondo effect in a Luttinger liquid: A boundary-conformal-field-theory approach R8832
P. Durganandini
- Metal-insulator transition in ammoniated K_3C_{60} R8836
Y. Iwasa, H. Shimoda, T. T. M. Palstra, Y. Maniwa, O. Zhou, and T. Mitani
- Double degeneracy and Jahn-Teller effects in colossal-magnetoresistance perovskites R8840
Jun Zang, A. R. Bishop, and H. Röder
- Calculation of the magnetoresistance in RhFe R8844
R. Gómez Abal, A. M. Llois, and M. Weissmann
- Phase transitions in the Heisenberg spin ladder with ferromagnetic legs R8848
A. K. Kolezhuk and H.-J. Mikeska

Superfluidity and superconductivity

- Nonlinear dynamics of magnetic vortices in single-crystal and ion-damaged NbSe_2 R8851
J. Zhang, L. E. De Long, V. Majidi, and R. C. Budhani
- Columnar defects and vortex fluctuations in layered superconductors R8855
A. E. Koshelev, P. Le Doussal, and V. M. Vinokur
- Far-infrared transmission study on $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_{4-y}$ thin films R8859
E.-J. Choi, K. P. Stewart, S. K. Kaplan, H. D. Drew, S. N. Mao, and T. Venkatesan
- Optical conductivity of a t - J ladder R8863
C. A. Hayward, D. Poilblanc, and D. J. Scalapino
- First-order superconductor-to-insulator transition: Evidence for a supersolid phase R8867
Erik S. Sørensen and Eric Roddick

(Continued)



0163-1829(19960401)53:14;1-E