

PHYSICAL REVIEW B

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

PERIODICALS

Postmaster send address changes to:
American Institute of Physics
Suite 1NO1
2 Huntington Quadrangle
Melville, NY 11747-4502

THIRD SERIES, VOLUME 62, NUMBER 22

CONTENTS

1 DECEMBER 2000-II

Announcement: Electronic-First Publication and Article Numbers i

RAPID COMMUNICATIONS

Inhomogeneous, disordered, and partially ordered systems

- Percolative growth of photodarkening in amorphous As_2S_3 films R14 601
Ashtosh Ganjoo, K. Shimakawa, H. Kamiya, E. A. Davis, and Jai Singh
- Stable icosahedral quasicrystals in binary Cd-Ca and Cd-Yb systems R14 605
J. Q. Guo, E. Abe, and A. P. Tsai

Magnetism

- Giant orbital moments of Fe and Co in alkali metals Cs, Rb, and K R14 609
G. Y. Guo
- Spin-cluster model for the low-temperature phase of α' - NaV_2O_5 R14 613
Simon Trebst and Anirvan Sengupta
- Test of the frustrated spin-cluster model to describe the low-temperature physics of NaV_2O_5 R14 617
Claudius Gros, Roser Valentí, J. V. Alvarez, Kay Hamacher, and Wolfgang Wenzel
- Incommensurate magnetic structure of CeRhIn_5 R14 621
Wei Bao, P. G. Pagliuso, J. L. Sarrao, J. D. Thompson, Z. Fisk, J. W. Lynn, and R. W. Erwin
- Unusual magnetic behavior in $\text{Gd}_5(\text{Si}_{1.5}\text{Ge}_{2.5})$ and $\text{Gd}_5(\text{Si}_2\text{Ge}_2)$ R14 625
E. M. Levin, V. K. Pecharsky, and K. A. Gschneidner, Jr.
- Surface segregation and restructuring of colossal-magnetoresistant manganese perovskites $\text{La}_{0.65}\text{Sr}_{0.35}\text{MnO}_3$ R14 629
Hani Dulli, P. A. Dowben, S.-H. Liou, and E. W. Plummer
- Evolution of the spin gap upon doping a 2-leg ladder R14 633
D. Poilblanc, O. Chiappa, J. Riera, S. R. White, and D. J. Scalapino
- Charge and orbital ordering and spin-state transition driven by structural distortion in YBaCo_2O_5 R14 637
S. K. Kwon, J. H. Park, and B. I. Min

Superfluidity and superconductivity

- Orbital fluctuation-induced triplet superconductivity: Mechanism of superconductivity in Sr_2RuO_4 R14 641
Tetsuya Takimoto
- Supercurrent-phase relation of an $\text{Nb}/\text{AlO}_x/\text{Al}/\text{AlO}_x/\text{Nb}$ -based Josephson junction at the superconducting transition of the Al interlayer R14 645
M. Götz, M. Grajcar, E. Il'ichev, V. V. Khanin, A. B. Zorin, J. Niemeyer, and H.-G. Meyer
- Josephson effects in a superconductor-normal-metal mesoscopic structure with a dangling superconducting arm .. R14 649
R. Shaikhaidarov, A. F. Volkov, H. Takayanagi, V. T. Petrashov, and P. Delsing

