

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 64, NUMBER 17

CONTENTS

1 NOVEMBER 2001-I

Announcement: Electronic-First Publication and Article Numbers i

BRIEF REPORTS

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

- Large thermopower in a metallic cobaltite: The layered Tl-Sr-Co-O misfit (4 pages) 172101
S. Hébert, S. Lambert, D. Pelloquin, and A. Maignan
- An *ab initio* calculation of the ideal tensile strength of β -silicon nitride (4 pages) 172102
Shigenobu Ogata, Naoto Hirotsaki, Cenk Kocer, and Hiroshi Kitagawa

Inhomogeneous, disordered, and partially ordered systems

- Cooling-rate dependence of the density of $\text{Pd}_{40}\text{Ni}_{10}\text{Cu}_{30}\text{P}_{20}$ bulk metallic glass (4 pages) 172201
X. Hu, S. C. Ng, Y. P. Feng, and Y. Li
- Conductance fluctuations and boundary conditions (3 pages) 172202
Marc Rühländer, Peter Markoš, and C. M. Soukoulis

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

- Thermal conductance of nanostructured phononic crystals (4 pages) 172301
A. N. Cleland, D. R. Schmidt, and C. S. Yung

Magnetism

- Observation of magnetic inhomogeneities in crystalline-doped manganites by electron magnetic resonance (4 pages) 172401
A. I. Shames, E. Rozenberg, W. H. McCarroll, M. Greenblatt, and G. Gorodetsky
- Dynamical properties of magnetization reversal in exchange-coupled NiO/Co bilayers (4 pages) 172402
J. Camarero, Y. Pennec, J. Vogel, M. Bonfim, S. Pizzini, M. Cartier, F. Ernult, F. Fetta, and B. Dieny
- Effects of site dilution on the magnetic properties of geometrically frustrated antiferromagnets (4 pages) 172403
Angel J. Garcia-Adeva and David L. Huber
- Spin-Peierls fluctuations in $(\text{TMTTF})_2\text{Br}$ studied by pulsed electron spin resonance spin-lattice relaxation (4 pages) 172404
A. Zorko, D. Arčon, K. Biljaković, C. Carcel, J. M. Fabre, and J. Dolinšek
- A-face-centered $\text{Bi}_{0.75}\text{Ca}_{3.25}\text{Mn}_3\text{O}_{10}$: A Bi-based orthorhombic 4310-type bilayered manganite (4 pages) 172405
Y. L. Qin, J. L. García-Muñoz, H. W. Zandbergen, and M. T. Casais
- Thermodynamic investigation of the magnetic phase transitions of CaMnO_3 and SrRuO_3 (3 pages) 172406
J. J. Neumeier, A. L. Cornelius, and K. Andres

