

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 60, NUMBER 9

CONTENTS

1 SEPTEMBER 1999-I

BRIEF REPORTS

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

- Absence of the c/a anomaly in Zn under high pressure with a helium-pressure medium 6171
Takemura Kenichi
- Stress-assisted instability in two-dimensional dislocation systems 6175
J. Cserti
- High-pressure and low-temperature infrared study of solid oxygen: Evidence of a new crystal structure 6179
Federico A. Gorelli, Lorenzo Ulivi, Mario Santoro, and Roberto Bini
- Structure and properties of a fulleride Sm_6C_{60} 6183
X. H. Chen, Z. S. Liu, S. Y. Li, D. H. Chi, and Y. Iwasa
- Quasistatic repolarization process in ferroelectric triglycine selenate 6187
M. Mierzwa and B. Fugiel
- Ionic-to-neutral phase transformation induced by photoexcitation of the charge-transfer band in tetrathiafulvalene- p -chloranil crystals 6191
T. Suzuki, T. Sakamaki, K. Tanimura, S. Koshihara, and Y. Tokura

Inhomogeneous, disordered, and partially ordered systems

- Stationary localized states in one-dimensional systems due to modified nonlinear impurities 6194
Bikash Chandra Gupta

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

- Antiferromagnetic $S = \frac{1}{2}$ Heisenberg chain and the two-flavor massless Schwinger model 6198
Yutaka Hosotani
- Lattice displacements above T_C in the layered manganite $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ 6200
D. N. Argyriou, H. N. Bordallo, J. F. Mitchell, J. D. Jorgensen, and G. F. Strouse
- Phonons from neutron powder diffraction 6204
D. A. Dimitrov, D. Louca, and H. Röder
- Electron locking in layered structures by a longitudinal magnetic field 6208
F. V. Kusmartsev and H. S. Dhillon

Magnetism

- Tunneling series in terms of perturbation theory for quantum spin systems 6212
V. V. Ulyanov and O. B. Zaslavskii
- Colossal magneto-optical conductivity in doped manganites 6215
A. S. Alexandrov and A. M. Bratkovsky

