# 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 63, NUMBER 9** ***CONTENTS*** **1 MARCH 2001-I**

Announcement: Electronic-First Publication and Article Numbers . . . . . i

**BRIEF REPORTS**

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

Possible coexistence of rotational and ferroelectric lattice distortions in rhombohedral $PbZr_xTi_{1-x}O_3$ *(4 pages)* . . . . . 092101
Marco Fornari and David J. Singh

Theoretical study of the high-pressure orthorhombic TlI-type phase in NaBr and NaI *(4 pages)* . . . . . 092102
R. Ahuja, O. Eriksson, and B. Johansson

Raman scattering evidence of a disordered structural phase transition in $La_{1.475}Nd_{0.4}Sr_{0.125}CuO_4$ *(4 pages)* . . . . 092103
B. Nachumi, N. Ichikawa, Y. Nakamura, and S. Uchida

**Inhomogeneous, disordered, and partially ordered systems**

Temperature dependence of the diffuse-scattering fine structure in Cu-Pd alloys *(4 pages)* . . . . . 092201
X. Wang, K. F. Ludwig, Jr., O. Malis, J. Mainville, X. Flament, and R. Caudron

Vacancy-solute aggregates in Al-Cu-Mg alloys studied by positron annihilation techniques *(4 pages)* . . . . . 092202
M. Biasini, G. Ferro, P. Folegati, and G. Riontino

Influence of chemical disorder on electrical switching in chalcogenide glasses *(4 pages)* . . . . . 092203
R. Aravinda Narayanan, S. Asokan, and A. Kumar

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

Short-time critical behavior of anisotropic cubic systems *(4 pages)* . . . . . 092301
Yuan Chen

**Magnetism**

Memory and superposition in a spin glass *(4 pages)* . . . . . 092401
R. Mathieu, P. Jönsson, D. N. H. Nam, and P. Nordblad

Reduction of electron tunneling current due to lateral variation of the wave function *(4 pages)* . . . . . 092402
W. H. Butler, X.-G. Zhang, T. C. Schulthess, and J. M. MacLaren

Critical behavior of epitaxial half-metallic ferromagnetic $CrO_2$ films *(4 pages)* . . . . . 092403
F. Y. Yang, C. L. Chien, X. W. Li, Gang Xiao, and A. Gupta

Magnetic capping layer induced spin reorientation: Co on Fe/Cu(100) *(3 pages)* . . . . . 092404
M. A. Torija, J. P. Pierce, and J. Shen

Critical slowing down of longitudinal spin relaxation in $La_{1-x}Ca_xMnO_3$ *(4 pages)* . . . . . 092405
V. A. Atsarkin, V. V. Demidov, G. A. Vasneva, and K. Conder

**Copyright 2001 by The American Physical Society**

*(Continued)*

0163-1829(20010301)63:9;1-X