

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 56, NUMBER 1

1 JULY 1997-I

Kinetic energy of solid neon by Monte Carlo with improved Trotter and finite-size extrapolation	51
Alessandro Cuccoli, Alessandro Macchi, Gaia Pedrolli, Valerio Tognetti, and Ruggero Vaia	
Quantum transport of electronic polarons in sapphire	55
V. Storchak, J. H. Brewer, and G. D. Morris	
Magnetism	
Monte Carlo study of the square-lattice annealed Ising model on percolating clusters	59
P. D. Scholten and Miron Kaufman	
Anomalies in the elastic properties of heavy rare-earth metals in the region of the phase transition to the magnetically ordered state	63
Y. I. Spichkin and A. M. Tishin	
Specific heat and resistivity of a double-exchange ferromagnet $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$	67
Soo Hyun Park, Yoon-Hee Jeong, Ki-Bong Lee, and S. J. Kwon	
Magnetic-field, pressure, and temperature scaling of the first-order valence transition in pure and doped YbInCu_4	71
C. D. Immer, J. L. Sarrao, Z. Fisk, A. Lacerda, C. Mielke, and J. D. Thompson	
Nonlinear magnetic susceptibility of molecular magnets: Tunneling of high-spin molecules	75
N. Vernier, G. Bellessa, T. Mallah, and M. Verdaguer	
Analytic periodic solutions for domain-wall motion	79
Sorinel Adrian Oprisan	
Angular dependence of exchange coupling in ferromagnet/antiferromagnet bilayers	83
T. Ambrose, R. L. Sommer, and C. L. Chien	
Superfluidity and superconductivity	
Mode locking in discrete soliton dynamics under ac forces	87
P. J. Martínez, F. Falo, J. J. Mazo, L. M. Floría, and A. Sánchez	
Variation of the Josephson current with carrier concentration in the barrier	91
Francesco Tafuri	
Finding local minimum states of Josephson-junction arrays in a magnetic field	95
Mohammad R. Kolahchi	
Hall coefficients of $\text{YBa}_2\text{Cu}_3\text{O}_y/\text{PrBa}_2\text{Cu}_3\text{O}_y$ superlattices in the flux-flow regime	99
H. C. Yang, L. M. Wang, and H. E. Horng	
Dynamics of flux penetration and critical currents in type-II superconductors	103
J. Shumway and S. Satpathy	
Unconventional isotope effects in superconductors	107
Vladimir Z. Kresin, Andreas Bill, Stuart A. Wolf, and Yu. N. Ovchinnikov	
c -axis resistivity in high- T_c superconductors	111
Marco Zoli	
High-frequency Hall effect in the normal state of $\text{YBa}_2\text{Cu}_3\text{O}_7$	115
Beth Parks, S. Spielman, and J. Orenstein	
Magnetic-field dependence of the critical dynamics of a superconducting $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ detwinned single crystal	118
Jin-Tae Kim, Nigel Goldenfeld, J. Giapintzakis, and D. M. Ginsberg	
Comparative study of pointlike and linelike disorders in $\text{Tl}_2\text{Ba}_2\text{CaCu}_2\text{O}_8$ thin films	122
V. Ta Phuoc, A. Ruyter, L. Ammor, A. Wahl, J. C. Soret, and Ch. Simon	
Local magnetic moments induced by a nonmagnetic impurity in the two-dimensional t - J model	126
S. Odashima and H. Matsumoto	

(Continued)