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 65, NUMBER 1 ***CONTENTS*** **1 JANUARY 2002-I**

Subject Matter Categories for Physical Review B iii
Physical Review B Editorial Policies and Practices iv
Physical Review B Information for Contributors viii
Guidelines for Estimating Length for Physical Review B xi

BRIEF REPORTS

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

Theoretical structure determination of γ-Al_2O_3 *(4 pages)* 012101
Gonzalo Gutiérrez, Adrian Taga, and Börje Johansson
Transition-metal ion impurities in $KTaO_3$ *(4 pages)* 012102
Kevin Leung
First-principles calculation of elastic properties of solid argon at high pressures *(4 pages)* 012103
Toshiaki Iitaka and Toshikazu Ebisuzaki
Strain-induced diffuse dielectric anomaly and critical point in perovskite ferroelectric thin films *(4 pages)* 012104
A. K. Tagantsev, N. A. Pertsev, P. Muralt, and N. Setter
New high-pressure phase of GaSb *(3 pages)* 012105
C. B. Vanpeteghem, R. J. Nelmes, D. R. Allan, and M. I. McMahon
Use of surface Brillouin scattering to examine a structural phase transition in carbon-ion-bombarded silicon during high-temperature annealing *(4 pages)* 012106
X. Zhang, J. D. Comins, A. G. Every, and T. E. Derry
Atomic simulation of grain-boundary sliding and migration in copper *(3 pages)* 012107
P. Ballo and V. Slugeň
Melting of the alkaline-earth metals to 80 GPa *(4 pages)* 012108
Daniel Errandonea, Reinhard Boehler, and Marvin Ross
Cinnabar phase in ZnSe at high pressure *(4 pages)* 012109
J. Pellicer-Porres, A. Segura, V. Muñoz, J. Zúñiga, J. P. Itié, A. Polian, and P. Munsch
Mechanism of swelling in low-energy ion-irradiated silicon *(4 pages)* 012110
P. K. Giri, V. Raineri, G. Franzo, and E. Rimini
High-pressure structure and electronic transport in hole-doped $La_{3/4}Ca_{1/4}MnO_3$ perovskites *(4 pages)* 012111
C. Meneghini, D. Levy, S. Mobilio, M. Ortolani, M. Nuñez-Reguero, Ashwani Kumar, and D. D. Sarma

Inhomogeneous, disordered, and partially ordered systems

Quest for rare events in mesoscopic disordered metals *(4 pages)* 012201
Branislav K. Nikolić

Copyright 2002 by The American Physical Society

(Continued)

0163-1829(20020101)65:1;1-5

PHYSICAL REVIEW B THIRD SERIES, VOLUME 65, NUMBER 1 1 JANUARY 2002-I

Monte Carlo dynamics of driven elastic strings in disordered media *(4 pages)* 012202
Alberto Rosso and Werner Krauth
Low-temperature specific heat and thermal conductivity of glycerol *(4 pages)* 012203
C. Talón, Q. W. Zou, M. A. Ramos, R. Villar, and S. Vieira
Deformation-enhanced Cu precipitation in Fe-Cu alloy studied by positron annihilation spectroscopy *(4 pages)* 012204
T. Onitsuka, M. Takenaka, E. Kuramoto, Y. Nagai, and M. Hasegawa
Violation of ice rules near the surface: A theory for the quasiliquid layer *(4 pages)* 012205
Ivan A. Ryzhkin and Victor F. Petrenko
Chain formation and the origin of structure in the Raman spectrum of a-$SiSe_2$ *(4 pages)* 012206
Koblar Jackson and Shau Grossman

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

Self-diffusion in sodium via *ab initio* molecular dynamics *(4 pages)* 012301
Enrico Smargiassi

Magnetism

Spin-wave interaction in two- and three-dimensional antiferromagnets in a weak magnetic field *(4 pages)* 012401
A. V. Syromyatnikov and S. V. Maleyev
Magnetic structures at the ferromagnetic NiFe and antiferromagnetic NiMn interface in exchange-biased films: Role of noncollinear magnetism and roughness *(4 pages)* 012402
Kohji Nakamura, A. J. Freeman, Ding-sheng Wang, Lieping Zhong, and Juan Fernandez-de-Castro
Glassy dynamics of the inhomogeneous metallic phase in $La_{1-x}Ca_xMnO_3$ *(4 pages)* 012403
F. Cordero, C. Castellano, R. Cantelli, and M. Ferretti
Low-energy excitations in NaV_2O_5 *(4 pages)* 012404
M. J. Konstantinović, J. C. Irwin, M. Isobe, and Y. Ueda
Simple fit for magic-angle magnetoresistance in $(TMTSF)_2PF_6$ *(4 pages)* 012405
E. I. Chashechkina and P. M. Chaikin
Classical phase diagram of $S \geqslant \frac{1}{2}$ Ising chains with long-range interactions: Finite-range scaling *(3 pages)* 012406
M. Barati and A. Ramazani
Magnetoresistance properties of granular nanowires composed of carbon nanoparticles embedded in a Co matrix *(4 pages)* 012407
J.-E. Wegrowe, A. Sallin, A. Fábián, A. Comment, J.-M. Bonard, and J.-Ph. Ansermet
Ferromagnetic transition in a double-exchange system containing impurities *(4 pages)* 012408
Mark Auslender and Eugene Kogan
La impurity effects on quadrupolar ordering in $PrPb_3$ *(4 pages)* 012409
T. Kawae, M. Shimogai, M. Mito, K. Takeda, H. Ishii, and T. Kitai
Intrinsic spin valves in the layered manganite $La_{1.4}Sr_{1.6}Mn_2O_7$ *(4 pages)* 012410
T. Nachtrab, S. Heim, M. Mößle, R. Kleiner, O. Waldmann, R. Koch, P. Müller, T. Kimura, and Y. Tokura
Memory and chaos in an Ising spin glass *(4 pages)* 012411
R. Mathieu, P. E. Jönsson, P. Nordblad, H. Aruga Katori, and A. Ito
Interfacially dominated giant magnetoresistance in Fe/Cr superlattices *(4 pages)* 012412
J. Santamaria, M.-E. Gomez, M.-C. Cyrille, C. Leighton, Kannan M. Krishnan, and Ivan K. Schuller
Fast magnetization reversal of GdFeCo induced by femtosecond laser pulses *(4 pages)* 012413
J. Hohlfeld, Th. Gerrits, M. Bilderbeek, Th. Rasing, H. Awano, and N. Ohta
Ferromagnetic ground state for Mn-Co surface ordered alloy on a Co(001) substrate *(3 pages)* 012414
B. M'Passi-Mabiala, S. Meza-Aguilar, and C. Demangeat
Dilution-induced enhancement of the blocking temperature in exchange-bias heterosystems *(3 pages)* 012415
Xi Chen, Ch. Binek, A. Hochstrat, and W. Kleemann

(Continued)

PHYSICAL REVIEW B THIRD SERIES, VOLUME 65, NUMBER 1 1 JANUARY 2002-I

Thermal hysteresis and friction of phase boundary motion in ferromagnetic $Ni_{52}Mn_{23}Ga_{25}$ single crystals *(4 pages)* 012416
Wen-Hong Wang, Jing-Lang Chen, Zhu-hong Liu, Guang-Heng Wu, and Wen-Shan Zhan

Superfluidity and superconductivity

Electric-field effect in ultrathin films near the superconductor-insulator transition *(4 pages)* 012501
N. Marković, C. Christiansen, G. Martinez-Arizala, and A. M. Goldman
Band structure of MgB_2 with different lattice constants *(4 pages)* 012502
Xiangang Wan, Jinming Dong, Hongming Weng, and D. Y. Xing
Local-moment formation in the periodic Anderson model with superconducting correlations *(4 pages)* 012503
M. A. N. Araújo, N. M. R. Peres, and P. D. Sacramento
Negative superfluid density: Mesoscopic fluctuations and reverse of the supercurrent through a disordered Josephson junction *(2 pages)* 012504
M. Titov, Ph. Jacquod, and C. W. J. Beenakker
Spectroscopic evidence for anisotropic *s*-wave pairing symmetry in MgB_2 *(4 pages)* 012505
P. Seneor, C.-T. Chen, N.-C. Yeh, R. P. Vasquez, L. D. Bell, C. U. Jung, Min-Seok Park, Heon-Jung Kim, W. N. Kang, and Sung-Ik Lee
Thermal metal in network models of a disordered two-dimensional superconductor *(4 pages)* 012506
J. T. Chalker, N. Read, V. Kagalovsky, B. Horovitz, Y. Avishai, and A. W. W. Ludwig
Bernoulli potential at a superconductor surface *(3 pages)* 012507
Pavel Lipavský, Jan Koláček, Jiří J. Mareš, and Klaus Morawetz
General expression for the angular dependence of the critical field in layered superconductors *(3 pages)* 012508
V. P. Mineev
Phase transitions in the mesoscopic superconducting square *(4 pages)* 012509
J. Bonča and V. V. Kabanov
^{11}B NMR detection of the magnetic field distribution in the mixed superconducting state of MgB_2 *(4 pages)* 012510
G. Papavassiliou, M. Pissas, M. Fardis, M. Karayanni, and C. Christides
Low-temperature thermal properties of mesoscopic normal-metal/superconductor heterostructures *(4 pages)* 012511
D. A. Dikin, S. Jung, and V. Chandrasekhar
Nonadiabatic superconductivity and vertex corrections in uncorrelated systems *(4 pages)* 012512
P. Paci, E. Cappelluti, C. Grimaldi, and L. Pietronero

ARTICLES

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

Polarization relaxation kinetics and 180° domain wall dynamics in ferroelectric thin films *(7 pages)* 014101
C. S. Ganpule, A. L. Roytburd, V. Nagarajan, B. K. Hill, S. B. Ogale, E. D. Williams, R. Ramesh, and J. F. Scott
Small-angle neutron scattering measurements of deuteride (hydride) formation and decomposition in single-crystal Pd *(7 pages)* 014102
W. C. Chen and Brent J. Heuser
Transition-metal aluminide formation: The 4*d* aluminides *(7 pages)* 014103
R. E. Watson, M. Weinert, and M. Alatalo
Melting of iron and other metals at earth's core conditions: A simplified computational approach *(3 pages)* . . . 014104
Y. Wang, R. Ahuja, and B. Johansson
Structural transformation of liquid tellurium at high pressures and temperatures *(5 pages)* 014105
Nobumasa Funamori and Kazuhiko Tsuji

(Continued)

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 65, NUMBER 1** **1 JANUARY 2002-I**

Resonant x-ray fluorescence holography: Three-dimensional atomic imaging in true color *(5 pages)* 014106
S. Omori, L. Zhao, S. Marchesini, M. A. Van Hove, and C. S. Fadley

Representation of mechanical loads in molecular dynamics simulations *(6 pages)* 014107
Fabrizio Cleri

Lattice instabilities of cubic NiTi from first principles *(5 pages)* 014108
Xiangyang Huang, Claudia Bungaro, Vitaliy Godlevsky, and Karin M. Rabe

Interstitial carbon-oxygen center and hydrogen related shallow thermal donors in Si *(11 pages)* 014109
J. Coutinho, R. Jones, P. R. Briddon, S. Öberg, L. I. Murin, V. P. Markevich, and J. L. Lindström

Critical statics and dynamics of the one-dimensionally incommensurately modulated crystal Rb_2ZnBr_4 studied by NMR *(11 pages)* 014110
F. Decker, J. Petersson, M. Irsch, and D. Michel

Polarization properties of ZnO and BeO: An *ab initio* study through the Berry phase and Wannier functions approaches *(9 pages)* 014111
Y. Noel, C. M. Zicovich-Wilson, B. Civalleri, Ph. D'Arco, and R. Dovesi

Isotope effects in structural and thermodynamic properties of solid neon *(9 pages)* 014112
Carlos P. Herrero

Complete listing of order parameters for a crystalline phase transition: A solution to the generalized inverse Landau problem *(4 pages)* 014113
Dorian M. Hatch and Harold T. Stokes

High-pressure and high-temperature x-ray absorption study of liquid and solid gallium *(10 pages)* 014114
Lucia Comez, Andrea Di Cicco, Jean Paul Itié, and Alain Polian

Electric-field gradients at the Zr sites in Zr_3Fe: Measured using perturbed-angular-correlation spectroscopy and calculated using band theory *(5 pages)* 014115
Arthur T. Motta, Stephen E. Cumblidge, Gary L. Catchen, Sergio B. Legoas, Andrea Paesano, Jr., and Livio Amaral

Inhomogeneous, disordered, and partially ordered systems

Interacting fermions in self-similar potentials *(15 pages)* 014201
Julien Vidal, Dominique Mouhanna, and Thierry Giamarchi

Tunneling states in Al-Li-Cu quasicrystals *(5 pages)* 014202
F. Bert and G. Bellessa

Structure of the amorphous, massive-metallic-glass forming $Ni_{25}Zr_{60}Al_{15}$ alloy from molecular dynamics simulations *(10 pages)* 014203
M. Guerdane and H. Teichler

Density-functional calculation of multiple-shock Hugoniots of liquid nitrogen *(6 pages)* 014204
S. Mazevet, J. D. Johnson, J. D. Kress, L. A. Collins, and P. Blottiau

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

Temperature dependence of the diffusion coefficient in liquid alkali metals *(9 pages)* 014301
J.-F. Wax, R. Albaki, and J.-L. Bretonnet

Raman spectra of a high-pressure iodine single crystal *(6 pages)* 014302
A. Congeduti, P. Postorino, M. Nardone, and U. Buontempo

Temperature dependence of the phonon entropy of vanadium *(6 pages)* 014303
P. D. Bogdanoff, B. Fultz, J. L. Robertson, and L. Crow

Quantum phonons and the Peierls transition temperature *(8 pages)* 014304
H. Zheng, S. Y. Zhu, and Wei-Yeu Chen

(Continued)

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 65, NUMBER 1** **1 JANUARY 2002-I**

Electric field dependence of charge mobility in energetically disordered materials: Polaron aspects *(13 pages)* 014305
Kazuhiko Seki and M. Tachiya

Magnetism

Stability of the magnetic phase in half-doped manganites *(7 pages)* 014401
T. Ohsawa and J. Inoue
Spin dynamics in the quasi-one-dimensional $S=\frac{1}{2}$ antiferromagnet $BaCu_2Si_2O_7$ *(9 pages)* 014402
A. Zheludev, M. Kenzelmann, S. Raymond, T. Masuda, K. Uchinokura, and S.-H. Lee
Noise effect on the nonadiabatic transition and correction to the tunneling energy gap estimated by the Landau-Zener-Stückelberg formula *(7 pages)* 014403
Masamichi Nishino, Keiji Saito, and Seiji Miyashita
Crystal field and magnetocrystalline anisotropy in ErNiAl *(8 pages)* 014404
P. Javorský, M. Diviš, H. Sugawara, H. Sato, and H. Mutka
Neutron diffraction study of the magnetic order in the $Dy(Mn_{1-x}Al_x)_2$ system in the region of a magnetic instability *(7 pages)* 014405
I. V. Golosovsky, I. Mirebeau, A. S. Markosyan, P. Fischer, and V. Yu. Pomjakushin
Pressure-dependent studies of $CeSbNi_x$ $(0\leqslant x\leqslant 0.35)$ *(7 pages)* 014406
H. C. Kim, Seongsu Lee, J.-G. Park, H.-C. Ri, M.-H. Jung, T. Takabatake, D. T. Adroja, T. Tomita, T. Goto, and N. Môri
Ground-state phase diagram of quantum Heisenberg antiferromagnets on the anisotropic dimerized square lattice *(8 pages)* 014407
Munehisa Matsumoto, Chitoshi Yasuda, Synge Todo, and Hajime Takayama
Phase diagram of the Shastry-Sutherland antiferromagnet *(12 pages)* 014408
Weihong Zheng, J. Oitmaa, and C. J. Hamer
Magnon-phonon effects in ferromagnetic manganites *(7 pages)* 014409
L. M. Woods
Itinerant-electron metamagnetic transition and large magnetovolume effects in $La(Fe_xSi_{1-x})_{13}$ compounds *(6 pages)* 014410
A. Fujita, S. Fujieda, K. Fukamichi, H. Mitamura, and T. Goto
Magnetic order in the frustrated Heisenberg model for the fcc type-I configuration *(14 pages)* 014411
J.-P. Ader
^{1}H NMR investigation of the spin dynamics of the spin-frustrated trinuclear Fe cluster $(NH_4)[Fe_3(\mu_3\text{-}OH)(H_2L)_3(HL)_3]$ (H_3L=orotic acid) *(6 pages)* 014412
M. Fardis, G. Diamantopoulos, M. Karayianni, G. Papavassiliou, V. Tangoulis, and A. Konsta
Electron spin resonance in high-field critical phase of gapped spin chains *(8 pages)* 014413
A. K. Kolezhuk and H.-J. Mikeska
Dynamical structure factors of the magnetization plateau state in the $S=\frac{1}{2}$ bond-alternating spin chain with a next-nearest-neighbor interaction *(7 pages)* 014414
Nobuyasu Haga and Sei-ichiro Suga
Magnetoelectronic properties of a ferrimagnetic semiconductor: The hybrid cupromanganite $CaCu_3Mn_4O_{12}$ *(6 pages)* 014415
Ruben Weht and Warren E. Pickett
Scaling of hysteresis dispersion in a model spin system *(9 pages)* 014416
J.-M. Liu, H. L. W. Chan, C. L. Choy, and C. K. Ong
Square kagome quantum antiferromagnet and the eight-vertex model *(4 pages)* 014417
Rahul Siddharthan and Antoine Georges
Magnetic properties of nanoclusters formed by implantation of Fe into Ge using a metal-vapor vacuum arc ion source *(8 pages)* 014418
R. Venugopal, B. Sundaravel, W. Y. Cheung, I. H. Wilson, F. W. Wang, and X. X. Zhang

(Continued)

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 65, NUMBER 1** **1 JANUARY 2002-I**

Structure and hyperfine properties of $Sm_2(Fe,Si)_{17}$ *(8 pages)* 014419
C. Djega-Mariadassou, L. Bessais, A. Nandra, J. M. Grenèche, and E. Burzo
Monte Carlo studies of the magnetic phase diagram of $KEr(MoO_4)_2$: A dipolar magnet with strong tetragonal distortion *(8 pages)* 014420
A. Orendáčová, D. Horváth, M. Orendáč, E. Čižmár, M. Kačmár, V. Bondarenko, A. G. Anders, and A. Feher
Anisotropy in magnetic and transport properties of $LaTSb_3$ (T=Cr, V) *(7 pages)* 014421
D. D. Jackson, M. Torelli, and Z. Fisk
Generic model of the colossal magnetoresistance pyrochlore $Tl_2Mn_2O_7$ *(8 pages)* 014422
C. I. Ventura and M. A. Gusmão
Surface alloying and magnetism of ultrathin Fe films on Pd(001) *(8 pages)* 014423
S.-K. Lee, J.-S. Kim, B. Kim, Y. Cha, W. K. Han, H. G. Min, Jikeun Seo, and S. C. Hong
Magnetism and overlayer-induced reorientation of magnetization in thin itinerant-electron films *(9 pages)* 014424
J. H. Wu, H. Y. Chen, and W. Nolting
Hartree-Fock calculations for $FeCl_2$ and $FeBr_2$: The question of the ^{57m}Fe quadrupole moment *(5 pages)* 014425
F. Hagelberg, T. P. Das, and K. C. Mishra
Effects of *D*-strain, *g*-strain, and dipolar interactions on EPR linewidths of the molecular magnets Fe_8 and Mn_{12} *(5 pages)* 014426
Kyungwha Park, M. A. Novotny, N. S. Dalal, S. Hill, and P. A. Rikvold
Structure of nanoscale polaron correlations in $La_{1.2}Sr_{1.8}Mn_2O_7$ *(5 pages)* 014427
B. J. Campbell, R. Osborn, D. N. Argyriou, L. Vasiliu-Doloc, J. F. Mitchell, S. K. Sinha, U. Ruett, C. D. Ling, Z. Islam, and J. W. Lynn
Weak ferromagnetism and excitonic condensates *(7 pages)* 014428
M. Y. Veillette and L. Balents
Electric- and magnetic-field-driven nonlinear charge transport and magnetic ordering in epitaxial films of $Pr_{0.7}Ca_{0.3-x}Sr_xMnO_3$ *(10 pages)* 014429
R. C. Budhani, N. K. Pandey, P. Padhan, S. Srivastava, and R. P. S. M. Lobo
Exchange bias due to configurational magnetic rearrangements *(4 pages)* 014430
P. Weinberger
Enhanced uniaxial anisotropy and two-step magnetization process along the hard axis of polycrystalline NiFe/NiO bilayers *(7 pages)* 014431
T. Zhao, H. Fujiwara, K. Zhang, C. Hou, and T. Kai
Boundary conditions in the simplest model of linear and second harmonic magneto-optical effects *(11 pages)* 014432
R. Atkinson and N. F. Kubrakov
Magnetic susceptibility and ESR study of the covalent-chain antiferromagnets $TlFeS_2$ and $TlFeSe_2$ *(7 pages)* 014433
Z. Seidov, H.-A. Krug von Nidda, J. Hemberger, A. Loidl, G. Sultanov, E. Kerimova, and A. Panfilov

Superfluidity and superconductivity

Inhomogeneous pairing in highly disordered *s*-wave superconductors *(13 pages)* 014501
Amit Ghosal, Mohit Randeria, and Nandini Trivedi
Renormalized mean-field theory of neutron scattering in cuprate superconductors *(17 pages)* 014502
Jan Brinckmann and Patrick A. Lee
Isotopic effects of hydrogen adsorption in carbon nanotubes *(8 pages)* 014503
M. C. Gordillo, J. Boronat, and J. Casulleras
Vortex charging effect in a chiral $p_x \pm ip_y$-wave superconductor *(8 pages)* 014504
Masashige Matsumoto and Rolf Heeb
Electric field distribution at low-angle grain boundaries in high-temperature superconductors *(9 pages)* 014505
Ch. Jooss, K. Guth, V. Born, and J. Albrecht

(Continued)

PHYSICAL REVIEW B **THIRD SERIES, VOLUME 65, NUMBER 1** **1 JANUARY 2002-I**

Coexistence of superconductivity and antiferromagnetism in $CeRh_{1-x}Co_xIn_5$ *(7 pages)* 014506
V. S. Zapf, E. J. Freeman, E. D. Bauer, J. Petricka, C. Sirvent, N. A. Frederick, R. P. Dickey, and M. B. Maple

Structure-compressibility relationships in layered cuprate materials *(13 pages)* 014507
Neil C. Hyatt, Joseph A. Hriljac, Yuzuru Miyazaki, Ian Gameson, Peter P. Edwards, and Andrew P. Jephcoat

Vortex structure in chiral *p*-wave superconductors *(9 pages)* 014508
Mitsuaki Takigawa, Masanori Ichioka, Kazushige Machida, and Manfred Sigrist

Proximity effects at ferromagnet-superconductor interfaces *(12 pages)* 014509
Klaus Halterman and Oriol T. Valls

Quasiclassical theory of superconductivity: Interfering paths *(14 pages)* 014510
M. Ozana and A. Shelankov

Kondo effect of impurity moments in *d*-wave superconductors: Quantum phase transition and spectral properties *(17 pages)* 014511
Matthias Vojta and Ralf Bulla

Eigenstates of a small Josephson junction coupled to a resonant cavity *(7 pages)* 014512
W. A. Al-Saidi and D. Stroud

Quantum phase transitions in the two-dimensional hardcore boson model *(9 pages)* 014513
F. Hébert, G. G. Batrouni, R. T. Scalettar, G. Schmid, M. Troyer, and A. Dorneich

Anomalous behavior in the superconducting state of $CeCo_2$ *(5 pages)* 014514
J.-G. Park, K. A. McEwen, P. C. Canfield, and Seok-Hoon Lee

Sum rule for optical scattering rates *(10 pages)* 014515
F. Marsiglio, J. P. Carbotte, and E. Schachinger

Quasiparticle spectrum of *d*-wave superconductors in the mixed state: A large Fermi-velocity anisotropy study *(13 pages)* 014516
Luca Marinelli and B.I. Halperin

Electron-phonon interaction and ultrasonic attenuation in the ruthenate and cuprate superconductors *(13 pages)* 014517
M. B. Walker, M. F. Smith, and K. V. Samokhin

η-pairing superconductivity in the Hubbard chain with pair hopping *(10 pages)* 014518
G. I. Japaridze, A. P. Kampf, M. Sekania, P. Kakashvili, and Ph. Brune

ERRATA

Erratum: Attractive boson and the gas-liquid condensation [Phys. Rev. B **64**, 134529 (2001)] *(1 page)* . . . . . 019901(E)
Shun-ichiro Koh

Cumulative Author Index xiii