

PHYSICAL REVIEW B

For editorial and subscription correspondence,
please see inside front cover
(ISSN: 1098-0121)

PERIODICALS
Postmaster send address changes to:
APS Subscription Services
Suite 1N01
2 Huntington Quadrangle
Melville, NY 11747-4502

THIRD SERIES, VOLUME 80, NUMBER 22

CONTENTS

DECEMBER 2009-1(II)

RAPID COMMUNICATIONS

Structure, structural phase transitions, mechanical properties, defects

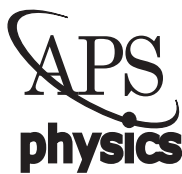
- Atomic transport in metastable compounds: Case study of self-diffusion in Si-C-N films using neutron reflectometry (*4 pages*) 220101(R)
E. Hüger, H. Schmidt, J. Stahn, B. Braunschweig, U. Geckle, M. Bruns, and A. Markwitz
- Interstitials in tetrahedrally close-packed phases: C, N, O, and F in β -tungsten from first principles (*4 pages*) 220102(R)
Marcel H. F. Sluiter
- Three-dimensional random-field Ising model phase transition in virgin $\text{Sr}_{0.4}\text{Ba}_{0.6}\text{Nb}_2\text{O}_6$: Overcoming aging (*4 pages*) 220103(R)
S. Miga, W. Kleemann, J. Dec, and T. Łukasiewicz
- Atomistic simulation of the premelting of iron and aluminum: Implications for high-pressure melting-curve measurements (*4 pages*) 220104(R)
Sergey V. Starikov and Vladimir V. Stegailov

Inhomogeneous, disordered, and partially ordered systems

- First-principles determination of low-temperature order and ground states of Fe-Ni, Fe-Pd, and Fe-Pt (*4 pages*) 220201(R)
Sergey V. Barabash, Roman V. Chepurskii, Volker Blum, and Alex Zunger

Magnetism

-  Anomalous pinning fields in itinerant helical magnets: Screening of the quasiparticle interaction (*4 pages*) 220401(R)
T. R. Kirkpatrick and D. Belitz
- Multiferroicity and spiral magnetism in FeVO_4 with quenched Fe orbital moments (*4 pages*) 220402(R)
A. Daoud-Aladine, B. Kundys, C. Martin, P. G. Radaelli, P. J. Brown, C. Simon, and L. C. Chapon
- Evidence for a charge Kondo effect in $\text{Pb}_{1-x}\text{Ti}_x\text{Te}$ from measurements of thermoelectric power (*4 pages*) 220403(R)
M. Matusiak, E. M. Tunnicliffe, J. R. Cooper, Y. Matsushita, and I. R. Fisher
- Dynamical effect in measurement of the exchange-bias field: A consequence of the slow-relaxer mechanism (*4 pages*) 220404(R)
M. Gloanec, S. Rioual, B. Lescop, R. Zuberek, R. Szymczak, P. Aleshkevych, and B. Rouvellou



Copyright 2009 by The American Physical Society



1098-0121(20091201)80:22;1-4

(Continued)

 The editors and referees of PRB find these papers to be of particular interest, importance, or clarity. Please see our Announcement Phys. Rev. B 77, 130001 (2008).

Model for frustrated spin-orbital chains as applied to CaV_2O_4 (4 pages)	220405(R)
Gia-Wei Chern and Natalia Perkins	
Electric-dipole-active magnetic resonance in the conical-spin magnet $\text{Ba}_2\text{Mg}_2\text{Fe}_{12}\text{O}_{22}$ (4 pages)	220406(R)
N. Kida, D. Okuyama, S. Ishiwata, Y. Taguchi, R. Shimano, K. Iwasa, T. Arima, and Y. Tokura	
☞ Magnetic order in $\text{Tb}_2\text{Sn}_2\text{O}_7$ under high pressure: From ordered spin ice to spin liquid and antiferromagnetic order (4 pages)	220407(R)
I. Mirebeau, I. Goncharenko, H. Cao, and A. Forget	
☞ Observation of ultrafast photoinduced closing and recovery of the spin-density-wave gap in $(\text{TMTSF})_2\text{PF}_6$ (4 pages)	220408(R)
Shinichi Watanabe, Ryusuke Kondo, Seiichi Kagoshima, and Ryo Shimano	
Charge order, enhanced orbital moment, and absence of magnetic frustration in layered multiferroic LuFe_2O_4 (4 pages)	220409(R)
K. Kuepper, M. Raekers, C. Taubitz, M. Prinz, C. Derks, M. Neumann, A. V. Postnikov, F. M. F. de Groot, C. Piamonteze, D. Prabhakaran, and S. J. Blundell	
Spin density functional study of magnetism in potassium-loaded zeolite A (4 pages)	220410(R)
Yoshiro Nohara, Kazuma Nakamura, and Ryotaro Arita	
Evidence for spinon localization in the heat transport of the spin- $\frac{1}{2}$ ladder compound $(\text{C}_5\text{H}_{12}\text{N})_2\text{CuBr}_4$ (4 pages)	220411(R)
A. V. Sologubenko, T. Lorenz, J. A. Mydosh, B. Thielemann, H. M. Rønnow, Ch. Rüegg, and K. W. Krämer	
Superfluidity and superconductivity	
Dynamic response and ordering of rotating vortices in superconducting Corbino disks (4 pages)	220501(R)
S. Okuma, Y. Yamazaki, and N. Kokubo	
☞ Direct dynamical coupling of spin modes and singlet Josephson supercurrent in ferromagnetic Josephson junctions (4 pages)	220502(R)
I. Petković, M. Aprili, S. E. Barnes, F. Beuneu, and S. Maekawa	
Coexistence of long-ranged magnetic order and superconductivity in the pnictide superconductor $\text{SmFeAsO}_{1-x}\text{F}_x$ ($x=0, 0.15$) (4 pages)	220503(R)
D. H. Ryan, J. M. Cadogan, C. Ritter, F. Canepa, A. Palenzona, and M. Putti	
☞ Inelastic x-ray scattering study of superconducting $\text{SmFeAsO}_{1-x}\text{F}_y$ single crystals: Evidence for strong momentum-dependent doping-induced renormalizations of optical phonons (4 pages)	220504(R)
M. Le Tacon, T. R. Forrest, Ch. Rüegg, A. Bosak, A. C. Walters, R. Mittal, H. M. Rønnow, N. D. Zhigadlo, S. Katrych, J. Karpinski, J. P. Hill, M. Krisch, and D. F. McMorrow	
☞ Superconducting weak link generated on a linear array of substrate steps in ultrathin films of $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ (4 pages)	220505(R)
A. Tsurumaki and Z. Hiroi	
☞ Pulse imaging and nonadiabatic control of solid-state artificial atoms (4 pages)	220506(R)
Jonas Bylander, Mark S. Rudner, Andrey V. Shytov, Sergio O. Valenzuela, David M. Berns, Karl K. Berggren, Leonid S. Levitov, and William D. Oliver	
☞ Doppler shift in Andreev reflection from a moving superconducting condensate in Nb/InAs Josephson junctions (4 pages)	220507(R)
F. Rohlfing, G. Tkachov, F. Otto, K. Richter, D. Weiss, G. Borghs, and C. Strunk	

(Continued)

Proposal to detect plane-parallel nodal lines in Sr_2RuO_4 via tunneling spectroscopy (<i>4 pages</i>)	220508(R)
David Parker	
Thermal conductivity measurements of the energy-gap anisotropy of superconducting LaFePO at low temperatures (<i>4 pages</i>)	220509(R)
M. Yamashita, N. Nakata, Y. Senshu, S. Tonegawa, K. Ikada, K. Hashimoto, H. Sugawara, T. Shibauchi, and Y. Matsuda	
Angular Fulde-Ferrell-Larkin-Ovchinnikov state in cold fermion gases in a toroidal trap (<i>4 pages</i>)	220510(R)
Youichi Yanase	
Mixed pairing symmetry in $\kappa\text{-(BEDT-TTF)}_2\text{X}$ organic superconductors from ultrasonic velocity measurements (<i>4 pages</i>)	220511(R)
Maxime Dion, David Fournier, Mario Poirier, Kim D. Truong, and A.-M. S. Tremblay	
Long-range odd triplet order parameter with equal spin pairing in diffusive Co/In contacts (<i>4 pages</i>)	220512(R)
B. Almog, S. Hacoen-Gourgy, A. Tsukernik, and G. Deutscher	
Nature of spectral gaps due to pair formation in superconductors (<i>4 pages</i>)	220513(R)
T. Micklitz and M. R. Norman	
☞ Nernst-effect anisotropy as a sensitive probe of Fermi-surface distortions from electron-nematic order (<i>4 pages</i>)	220514(R)
Andreas Hackl and Matthias Vojta	

ARTICLES

Structure, structural phase transitions, mechanical properties, defects

<i>Ab initio</i> energetics of $\text{LaBO}_3(001)$ ($B=\text{Mn, Fe, Co, and Ni}$) for solid oxide fuel cell cathodes (<i>20 pages</i>) . . .	224101
Yueh-Lin Lee, Jesper Kleis, Jan Rossmeisl, and Dane Morgan	
First-principles study of the formation and migration of native defects in NaAlH_4 (<i>8 pages</i>)	224102
Gareth B. Wilson-Short, Anderson Janotti, Khang Hoang, Amra Peles, and Chris G. Van de Walle	
☞ Microstructural transformations and kinetics of high-temperature heterogeneous gasless reactions by high-speed x-ray phase-contrast imaging (<i>8 pages</i>)	224103
Robert V. Reeves, Jeremiah D. E. White, Eric M. Dufresne, Kamel Fezzaa, Steven F. Son, Arvind Varma, and Alexander S. Mukasyan	
Quantifying the anomalous self-diffusion in molybdenum with first-principles simulations (<i>5 pages</i>)	224104
T. R. Mattsson, N. Sandberg, R. Armiento, and A. E. Mattsson	
Identification of multiple oscillation states of carbon nanotube tipped cantilevers interacting with surfaces in dynamic atomic force microscopy (<i>9 pages</i>)	224105
Mark C. Strus and Arvind Raman	
Nuclear quadrupole resonance and x-ray investigation of the structure of $\text{Na}_{2/3}\text{CoO}_2$ (<i>11 pages</i>)	224106
T. A. Platova, I. R. Mukhamedshin, H. Alloul, A. V. Dooglav, and G. Collin	
Stochastic spatial energy deposition profiles for MeV protons and keV electrons (<i>8 pages</i>)	224107
C. Udagama, A. A. Bettiol, and F. Watt	
Structural, electronic, and magnetic properties of iron carbide Fe_7C_3 phases from first-principles theory (<i>9 pages</i>)	224108
C. M. Fang, M. A. van Huis, and H. W. Zandbergen	

(Continued)

Aging of poled ferroelectric ceramics due to relaxation of random depolarization fields by space-charge accumulation near grain boundaries (<i>9 pages</i>)	224109
Yu. A. Genenko, J. Glaum, O. Hirsch, H. Kungl, M. J. Hoffmann, and T. Granzow	
First-principles modeling of ferroelectric capacitors via constrained displacement field calculations (<i>23 pages</i>)	224110
Massimiliano Stengel, David Vanderbilt, and Nicola A. Spaldin	
Inhomogeneous, disordered, and partially ordered systems	
First-principles molecular dynamics study of the structure and dynamic behavior of liquid $\text{Li}_4\text{BN}_3\text{H}_{10}$ (<i>8 pages</i>)	224201
David E. Farrell, Dongwon Shin, and C. Wolverton	
Optical properties of fractal aggregates of nanoparticles: Effects of particle size polydispersity (<i>6 pages</i>)	224202
Zahra Naeimi and MirFaez Miri	
Correlation of mechanical stress and Doppler broadening of the positron annihilation line in Al and Al alloys (<i>6 pages</i>)	224203
C. Hugenschmidt, N. Qi, M. Stadlbauer, and K. Schreckenbach	
Comparative study on internal friction in an Al-Pd-Mn icosahedral quasicrystal and its crystal approximants (<i>9 pages</i>)	224204
Yeong-Gi So, Shun Sato, Keiichi Edagawa, Takahiro Mori, and Ryuji Tamura	
Dynamics, dynamical systems, lattice effects, quantum solids	
Theory of elastic and piezoelectric effects in two-dimensional hexagonal boron nitride (<i>10 pages</i>)	224301
K. H. Michel and B. Verberck	
Molecular dynamics with quantum heat baths: Application to nanoribbons and nanotubes (<i>9 pages</i>)	224302
Jian-Sheng Wang, Xiaoxi Ni, and Jin-Wu Jiang	
Magnetism	
Phase separation and charge carrier self-organization in semiconductor-multiferroic $\text{Eu}_{0.8}\text{Ce}_{0.2}\text{Mn}_2\text{O}_5$ (<i>14 pages</i>)	224401
V. A. Sanina, E. I. Golovenchits, V. G. Zaleskii, S. G. Lushnikov, M. P. Scheglov, S. N. Gvasaliya, A. Savvinov, R. S. Katiyar, H. Kawaji, and T. Atake	
Effective permeability tensor and double resonance of interacting bistable ferromagnetic nanowires (<i>11 pages</i>)	224402
Vincent Boucher, Louis-Philippe Carignan, Toshiro Kodera, Christophe Caloz, Arthur Yelon, and David Ménard	
Ferromagnetic resonance investigation of magnetic anisotropy in $\text{Ga}_{1-x}\text{Mn}_x\text{As}$ synthesized by ion implantation and pulsed laser melting (<i>10 pages</i>)	224403
Y. Y. Zhou, X. Liu, J. K. Furdyna, M. A. Scarpulla, and O. D. Dubon	
Magnetic behavior in RRh_3X ($R=\text{rare earth}$; $X=\text{B,C}$) (<i>9 pages</i>)	224404
Devang A. Joshi, Neeraj Kumar, A. Thamizhavel, and S. K. Dhar	
Weak localization and $1/f$ noise in $\text{Nd}_{1.83}\text{Ce}_{0.17}\text{CuO}_{4+\delta}$ thin films (<i>7 pages</i>)	224405
C. Barone, A. Guarino, A. Nigro, A. Romano, and S. Pagano	
Translation-symmetry-protected topological orders in quantum spin systems (<i>11 pages</i>)	224406
Su-Peng Kou and Xiao-Gang Wen	

(Continued)

Dependence of electronic polarization on octahedral rotations in TbMnO_3 from first principles (7 pages)	224407
Andrei Malashevich and David Vanderbilt	
Multiple magnetic ordering phenomena evaluated by heat capacity measurements in $\text{Er}_{1-x}\text{Tb}_x\text{Al}_2$ Laves-phase alloys (6 pages)	224408
Mahmud Khan, K. A. Gschneidner, Jr., and V. K. Pecharsky	
Excitation spectrum and magnetic field effects in a quantum critical spin-orbital system: The case of FeSc_2S_4 (8 pages)	224409
Gang Chen, Andreas P. Schnyder, and Leon Balents	
Observation of anomalous magnetism in the low-temperature monoclinic phase of single-crystalline PrAlO_3 perovskite (8 pages)	224410
M. Wencka, S. Vrtnik, M. Jagodič, Z. Jagličić, S. Turczynski, D. A. Pawlak, and J. Dolinšek	
Temperature and fluence dependence of ultrafast phase-separation dynamics in $\text{Pr}_{0.6}\text{Ca}_{0.4}\text{MnO}_3$ thin films (6 pages)	224411
T. Mertelj, R. Yusupov, A. Gradišek, M. Filippi, W. Prellier, and D. Mihailovic	
Evidence of kinetic-energy-driven antiferromagnetism in double perovskites: A first-principles study of La-doped $\text{Sr}_2\text{FeMoO}_6$ (10 pages)	224412
Prabuddha Sanyal, Hena Das, and T. Saha-Dasgupta	
Spin polarization on Fermi surfaces of metals by the KKR method (7 pages)	224413
Martin Gradhand, Michael Czerner, Dmitry V. Fedorov, Peter Zahn, Bogdan Yu. Yavorsky, László Szunyogh, and Ingrid Mertig	
Short-range correlations in quantum frustrated spin system (5 pages)	224414
A. Sytcheva, O. Chiatti, J. Wosnitzer, S. Zherlitsyn, A. A. Zvyagin, R. Coldea, and Z. Tylczynski	
Phase transitions in frustrated XY model on a square lattice (5 pages)	224415
M. H. Qin, X. Chen, and J. M. Liu	
Electric-field-induced magnetic easy-axis reorientation in ferromagnetic/ferroelectric layered heterostructures (11 pages)	224416
Jia-Mian Hu and C. W. Nan	
Structural stability and half-metallicity of the zinc-blende phase of $\text{Al}_{1-x}\text{Cr}_x\text{As}$: Density-functional study (8 pages)	224417
Yong-Hong Zhao, Guo-Ping Zhao, Yong Liu, and Bang-Gui Liu	
Half-metallic antiferromagnetic nature of La_2VTcO_6 and La_2VCuO_6 from <i>ab initio</i> calculations (9 pages)	224418
Y. K. Wang, P. H. Lee, and G. Y. Guo	
Bose-Einstein condensation and the magnetically ordered state of TlCuCl_3 (11 pages)	224419
Jens Jensen and Henrik Smith	
Topology and manipulation of multiferroic hybrid domains in MnWO_4 (6 pages)	224420
D. Meier, N. Leo, M. Maringer, Th. Lottermoser, M. Fiebig, P. Becker, and L. Bohatý	
Two-magnon damping in thin films in case of canted magnetization: Theory versus experiment (7 pages)	224421
J. Lindner, I. Barsukov, C. Raeder, C. Hassel, O. Posth, R. Meckenstock, P. Landeros, and D. L. Mills	
Orbital hybridization in RVO_3 perovskites: A high-pressure study (8 pages)	224422
J.-S. Zhou, J. B. Goodenough, J.-Q. Yan, J.-G. Cheng, K. Matsubayashi, Y. Uwatoko, and Y. Ren	
First-principles analysis of spin-disorder resistivity of Fe and Ni (10 pages)	224423
A. L. Wysocki, R. F. Sabirianov, M. van Schilfgaarde, and K. D. Belashchenko	

(Continued)

Angle dependence of the interface magnetic configuration in a model antiferromagnetically coupled ferrimagnetic/ferrimagnetic bilayer GdFe/TbFe (8 pages)	224424
S. Mangin, L. Thomas, F. Montaigne, W. Lin, T. Hauet, and Y. Henry	
Phase structure of Z_2 gauge theories for frustrated antiferromagnets in two dimensions (11 pages)	224425
Kazuya Nakane, Akihiro Shimizu, and Ikuo Ichinose	
Threshold photoemission magnetic circular dichroism at the spin-reorientation transition of ultrathin epitaxial Pt/Co/Pt(111)/W(110) films (8 pages)	224426
K. Hild, J. Emmel, G. Schönhense, and H. J. Elmers	
Magnetoresistive telegraph noise in Langmuir-Blodgett films of colloidal magnetite nanocrystals as seen via scanning tunneling microscopy (5 pages)	224427
Einat Tirosh, Boris Tsukerman, Nurit Taub, Sara A. Majetich, and Gil Markovich	
Alignment of magnetic anisotropy axes in crystals of Mn_{12} acetate and Mn_{12} -tBuAc molecular nanomagnets: Angle-dependent ac susceptibility study (4 pages)	224428
E. Burzuri, Ch. Carbonera, F. Luis, D. Ruiz-Molina, C. Lampropoulos, and G. Christou	
Superfluidity and superconductivity	
Model for the coexistence of d -wave superconducting and charge-density-wave order parameters in high-temperature cuprate superconductors (9 pages)	224501
Alexander M. Gabovich and Alexander I. Voitenko	
Magnetic phase diagram of a spin-1 condensate in two dimensions with dipole interaction (10 pages)	224502
Jonas A. Kjäll, Andrew M. Essin, and Joel E. Moore	
Vortex lattice disorder in $YBa_2Cu_3O_{7-\delta}$ probed using β -NMR (9 pages)	224503
H. Saadaoui, W. A. MacFarlane, Z. Salman, G. D. Morris, Q. Song, K. H. Chow, M. D. Hossain, C. D. P. Levy, A. I. Mansour, T. J. Parolin, M. R. Pearson, M. Smadella, D. Wang, and R. F. Kiefl	
 Kinetic magnetism and orbital order in iron telluride (9 pages)	224504
Ari M. Turner, Fa Wang, and Ashvin Vishwanath	
Controlled switching between paramagnetic and diamagnetic Meissner effects in superconductor-ferromagnet Pb-Co nanocomposites (5 pages)	224505
Y. T. Xing, H. Micklitz, E. Baggio-Saitovitch, and T. G. Rappoport	
Orbital ordering induces structural phase transition and the resistivity anomaly in iron pnictides (5 pages)	224506
Weicheng Lv, Jiansheng Wu, and Philip Phillips	
Fast Josephson vortex ratchet made of intrinsic Josephson junctions in $Bi_2Sr_2CaCu_2O_8$ (4 pages)	224507
H. B. Wang, B. Y. Zhu, C. Gürllich, M. Ruoff, S. Kim, T. Hatano, B. R. Zhao, Z. X. Zhao, E. Goldobin, D. Koelle, and R. Kleiner	
Quantum phase transition and elementary excitations of a Bose-Fermi mixture in a one-dimensional optical lattice (15 pages)	224508
Shi-Jian Gu, Junpeng Cao, Shu Chen, and Hai-Qing Lin	
Experimentally realizable controlled NOT gate in a flux qubit/resonator system (7 pages)	224509
Shiro Saito, Todd Tilma, Simon J. Devitt, Kae Nemoto, and Kouich Semba	
Rocking ratchet induced by pure magnetic potentials with broken reflection symmetry (7 pages)	224510
D. Perez de Lara, F. J. Castaño, B. G. Ng, H. S. Korner, R. K. Dumas, E. M. Gonzalez, Kai Liu, C. A. Ross, Ivan K. Schuller, and J. L. Vicent	

(Continued)

Evidence of magnetically driven structural phase transition in $R\text{FeAsO}$ ($R=\text{La, Sm, Gd, and Tb}$): A low-temperature x-ray diffraction study (5 pages)	224511
Yongkang Luo, Qian Tao, Yuke Li, Xiao Lin, Linjun Li, Guanghan Cao, Zhu-an Xu, Yun Xue, Hiroshi Kaneko, Andrey V. Savinkov, Haruhiko Suzuki, Chen Fang, and Jiangping Hu	
Dirac nodal pockets in the antiferromagnetic parent phase of FeAs superconductors (4 pages)	224512
N. Harrison and S. E. Sebastian	
Irreversible flow of vortex matter: Polycrystal and amorphous phases (12 pages)	224513
Paolo Moretti and M.-Carmen Miguel	
Enhancement of ferromagnetism by p -wave Cooper pairing in superconducting ferromagnets (7 pages)	224514
Xiaoling Jian, Jingchuan Zhang, Qiang Gu, and Richard A. Klemm	
Phase diagram and local tunneling spectroscopy of the Fulde-Ferrell-Larkin-Ovchinnikov states of a two-dimensional square-lattice d -wave superconductor (6 pages)	224515
Tao Zhou and C. S. Ting	
Absence of pressure-driven supersolid flow at low frequency (7 pages)	224516
Ann Sophie C. Rittner, Wonsuk Choi, Erich J. Mueller, and John D. Reppy	
☞ Pseudodiffusive transmission of nodal Dirac fermions through a clean d -wave superconductor (12 pages)	224517
J. K. Asbóth, A. R. Akhmerov, A. C. Berceanu, and C. W. J. Beenakker	
Intrinsic granularity in nanocrystalline boron-doped diamond films measured by scanning tunneling microscopy (8 pages)	224518
B. L. Willems, V. H. Dao-, J. Vanacken, L. F. Chibotaru, V. V. Moshchalkov, I. Guillaumon, H. Suderow, S. Vieira, S. D. Janssens, O. A. Williams, K. Haenen, and P. Wagner	
Exact diagonalization calculations of hole binding around Ni impurities in Ni-substituted cuprate superconductors (5 pages)	224519
Kenji Tsutsui, Atsushi Toyama, Takami Tohyama, and Sadamichi Maekawa	
☞ Spontaneous spin current due to triplet superconductor-ferromagnet interfaces (8 pages)	224520
P. M. R. Brydon	
☞ Nutation versus angular-dependent NQR spectroscopy and impact of underdoping on charge inhomogeneities in $\text{YBa}_2\text{Cu}_3\text{O}_y$ (8 pages)	224521
Rinat Ofer and Amit Keren	
Magnetic pair breaking in superconducting $\text{HoNi}_2\text{B}_2\text{C}$ studied on a single crystal by thermal conductivity in magnetic fields (6 pages)	224522
M. Schneider, G. Fuchs, K.-H. Müller, K. Nenkov, G. Behr, D. Souptel, and S.-L. Drechsler	
Interorbital pair scattering in two-band superconductors (9 pages)	224523
Anna Ciechan and Karol Izydor Wysokiński	
Superconductivity in the doped bilayer Hubbard model (8 pages)	224524
Nicola Lanatà, Paolo Barone, and Michele Fabrizio	
Theory of thermal conductivity in extended- s state superconductors: Application to ferropnictides (12 pages)	224525
V. Mishra, A. Vorontsov, P. J. Hirschfeld, and I. Vekhter	

(Continued)

Transport properties of vortex matter governed by the edge inductance in superconducting $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ crystals (5 pages)	224526
H. Beidenkopf, Y. Myasoedov, E. Zeldov, E. H. Brandt, G. P. Mikitik, T. Tamegai, T. Sasagawa, and C. J. van der Beek	

ERRATA

Erratum: Neutron scattering study of the interplay between structure and magnetism in $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ [Phys. Rev. B 79 , 144523 (2009)] (1 page)	229901(E)
C. Lester, Jiun-Haw Chu, J. G. Analytis, S. C. Capelli, A. S. Erickson, C. L. Condon, M. F. Toney, I. R. Fisher, and S. M. Hayden	
Erratum: High-temperature spin relaxation process in $\text{Dy}_2\text{Ti}_2\text{O}_7$ probed by ^{47}Ti -NQR [Phys. Rev. B 77 , 214403 (2008)] (1 page)	229902(E)
K. Kitagawa, R. Higashinaka, K. Ishida, Y. Maeno, and M. Takigawa	
Erratum: Cold versus hot shear banding in bulk metallic glass [Phys. Rev. B 80 , 134115 (2009)] (1 page)	229903(E)
Y. Q. Cheng, Z. Han, Y. Li, and E. Ma	
Publisher's Note: Interacting spin waves in the ferromagnetic Kondo lattice model [Phys. Rev. B 80 , 214408 (2009)] (1 page)	229904(E)
A. Schwabe and W. Nolting	
Erratum: Intermetallic charge transfer in FeTiO_3 probed by resonant inelastic soft x-ray scattering [Phys. Rev. B 79 , 092402 (2009)] (1 page)	229905(E)
Akane Agui, Takayuki Uozumi, Masaichiro Mizumaki, and Tanel Käämbre	
Erratum: Frustrated classical Heisenberg model in one dimension with nearest-neighbor biquadratic exchange: Exact solution for the ground-state phase diagram [Phys. Rev. B 80 , 012407 (2009)] (1 page)	229906(E)
T. A. Kaplan	