

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 18

CONTENTS

1 MAY 2002-II

Announcement: Change in Printing Schedule to Synchronize Online and Print Journals i

RAPID COMMUNICATIONS

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

- X-ray anomalous scattering investigations on the charge order in α' - NaV_2O_5 (4 pages) 180101(R)
S. Grenier, A. Toader, J. E. Lorenzo, Y. Joly, B. Grenier, S. Ravy, L. P. Regnault, H. Renevier,
J. Y. Henry, J. Jegoudez, and A. Revcolevschi
- Structural changes in zircon under α -decay irradiation (3 pages) 180102(R)
Kostya Trachenko, Martin T. Dove, and Ekhard K. H. Salje
- CuCN: An orientational glass (4 pages) 180103(R)
J. Wang, M. F. Collins, and G. P. Johari

Inhomogeneous, disordered, and partially ordered systems

- Strain dependence of the acoustic properties of amorphous metals below 1 K: Evidence for the interaction
between tunneling states (4 pages) 180201(R)
R. König, M. A. Ramos, I. Ushakov-Marshak, J. Arcas-Guijarro, A. Hernando-Mañeru, and
P. Esquinazi
- Interaction corrections at intermediate temperatures: Dephasing time (4 pages) 180202(R)
B. N. Narozhny, Gábor Zala, and I. L. Aleiner
- q -space configurational energy and short-range order in alloys with atomic size mismatch (4 pages) 180203(R)
V. N. Bugaev, H. Reichert, O. Shchyglo, A. Udyansky, Y. Sikula, and H. Dosch

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

- Optical phonons associated with the low-temperature ferroelectric properties of perovskite solid solutions
(4 pages) 180301(R)
A. M. George, Jorge Íñiguez, and L. Bellaiche

Magnetism

- Superparamagnetic-like ac susceptibility behavior in the partially disordered antiferromagnetic compound
 $\text{Ca}_3\text{CoRhO}_6$ (3 pages) 180401(R)
E. V. Sampathkumaran and Asad Niazi
- Unveiling order behind complexity: Coexistence of ferromagnetism and Bose-Einstein condensation
(4 pages) 180402(R)
C. D. Batista, G. Ortiz, and J. E. Gubernatis



Spin-parity dependent tunneling of magnetization in single-molecule magnets (<i>4 pages</i>)	180403(R)
W. Wernsdorfer, S. Bhaduri, C. Boskovic, G. Christou, and D. N. Hendrickson	
Stroboscopic detection of nuclear forward-scattered synchrotron radiation (<i>4 pages</i>)	180404(R)
R. Callens, R. Coussement, C. L'abbé, S. Nasu, K. Vyvey, T. Yamada, Y. Yoda, and J. Odeurs	
Selective spin-state switch and metal-insulator transition in $\text{GdBaCo}_2\text{O}_{5.5}$ (<i>4 pages</i>)	180405(R)
C. Frontera, J. L. García-Muñoz, A. Llobet, and M. A. G. Aranda	
Role of magnetic aftereffect in coercivity enhancement of Co/CoO bilayers (<i>4 pages</i>)	180406(R)
I. N. Krivorotov, T. Gredig, K. R. Nikolaev, A. M. Goldman, and E. Dan Dahlberg	
Different Gd^{3+} sites in doped CaB_6 : An electron spin resonance study (<i>4 pages</i>)	180407(R)
R. R. Urbano, C. Rettori, G. E. Barberis, M. Torelli, A. Bianchi, Z. Fisk, P. G. Pagliuso, A. Malinowski, M. F. Hundley, J. L. Sarrao, and S. B. Oseroff	
Superfluidity and superconductivity	
Superconducting diamagnetic fluctuations in MgB_2 (<i>4 pages</i>)	180501(R)
A. Lascialfari, T. Mishonov, A. Rigamonti, P. Tedesco, and A. Varlamov	
Angular-dependent upper critical field studies of $(\text{TMTSF})_2\text{PF}_6$ (<i>4 pages</i>)	180502(R)
I. J. Lee, P. M. Chaikin, and M. J. Naughton	
Direct observation of a threshold for coherent radiation in unshunted Josephson-junction arrays with ground planes (<i>4 pages</i>)	180503(R)
B. Vasilic, P. Barbara, S. V. Shitov, and C. J. Lobb	
Unconventional heavy-fermion superconductor CeCoIn_5 : dc magnetization study at temperatures down to 50 mK (<i>4 pages</i>)	180504(R)
T. Tayama, A. Harita, T. Sakakibara, Y. Haga, H. Shishido, R. Settai, and Y. Onuki	
Temperature dependence and anisotropy of the bulk upper critical field H_{c2} of MgB_2 (<i>4 pages</i>)	180505(R)
A. V. Sologubenko, J. Jun, S. M. Kazakov, J. Karpinski, and H. R. Ott	
Coherent versus incoherent interlayer transport in layered metals (<i>4 pages</i>)	180506(R)
J. Wosnitzer, J. Hagel, J. S. Qualls, J. S. Brooks, E. Balthes, D. Schweitzer, J. A. Schlueter, U. Geiser, J. Mohtasham, R. W. Winter, and G. L. Gard	
Josephson plasma in $\text{RuSr}_2\text{GdCu}_2\text{O}_8$ (<i>4 pages</i>)	180507(R)
H. Shibata	
Weak ferromagnetic order in the superconducting $\text{ErNi}_2^{11}\text{B}_2\text{C}$ (<i>4 pages</i>)	180508(R)
H. Kawano-Furukawa, H. Takeshita, M. Ochiai, T. Nagata, H. Yoshizawa, N. Furukawa, H. Takeya, and K. Kadowaki	
Electronic and magnetic structure of URhGe (<i>4 pages</i>)	180509(R)
Alexander B. Shick	
Interpretation of the de Haas–van Alphen experiments in MgB_2 (<i>4 pages</i>)	180510(R)
I. I. Mazin and Jens Kortus	
Chiral symmetry breaking and phase fluctuations: A QED_3 theory of the pseudogap state in cuprate superconductors (<i>4 pages</i>)	180511(R)
Z. Tešanović, O. Vafeck, and M. Franz	
Character of charge transfer excitons in $\text{Sr}_2\text{CuO}_2\text{Cl}_2$ (<i>4 pages</i>)	180512(R)
A. S. Moskvina, R. Neudert, M. Knupfer, J. Fink, and R. Hayn	
Magnetic-field-induced spin-density wave in high-temperature superconductors (<i>4 pages</i>)	180513(R)
Yan Chen and C. S. Ting	
Proximity effect and multiple Andreev reflections in chaotic Josephson junctions (<i>4 pages</i>)	180514(R)
P. Samuelsson, G. Johansson, Å. Ingerman, V. S. Shumeiko, and G. Wendin	
Scaling of the normal-state Nernst coefficient in doped Y-based high-temperature superconductors (<i>4 pages</i>)	180515(R)
V. E. Gasumyants and N. V. Ageev	

Muon-spin-relaxation study of the effect of nonmagnetic impurities on the Cu-spin fluctuations in $\text{La}_{2-x}\text{Sr}_x\text{Cu}_{1-y}\text{Zn}_y\text{O}_4$ around $x=0.115$ (4 pages)	180516(R)
I. Watanabe, T. Adachi, K. Takahashi, S. Yairi, Y. Koike, and K. Nagamine	
Multiband model for tunneling in MgB_2 junctions (4 pages)	180517(R)
A. Brinkman, A. A. Golubov, H. Rogalla, O. V. Dolgov, J. Kortus, Y. Kong, O. Jepsen, and O. K. Andersen	
Superconducting properties of $\text{BeB}_{2.75}$ (3 pages)	180518(R)
D. P. Young, R. G. Goodrich, P. W. Adams, Julia Y. Chan, Frank R. Fronczek, F. Drymiotis, and L. L. Henry	
Effects of magnetic field on the d -density-wave order in the cuprates (4 pages)	180519(R)
Hoang K. Nguyen and Sudip Chakravarty	

ARTICLES

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

Stokes drift of linear defects (5 pages)	184101
F. Marchesoni and M. Borromeo	
Effect of W on structural stability of TiAl intermetallics and the site preference of W (5 pages)	184102
R. Yu, L. L. He, and H. Q. Ye	
First-principles study of $\text{Pb}_2\text{MgTeO}_6$: High- T cubic phase and average low- T rhombohedral phase (7 pages)	184103
Razvan Caracas and Xavier Gonze	
<i>Ab initio</i> quasi-harmonic equations of state for dynamically stabilized soft-mode materials (14 pages)	184104
N. D. Drummond and G. J. Ackland	
Decay channels for the $\text{Ti}(2p_{1/2})$ core hole excitations in TiO_2 observed by x-ray Raman scattering (8 pages)	184105
J. Jiménez-Mier, U. Diebold, D. L. Ederer, T. A. Callcott, M. Grush, and R. C. Perera	
Elastic contact between randomly rough surfaces: Comparison of theory with numerical results (7 pages)	184106
B. N. J. Persson, F. Bucher, and B. Chiaia	
<i>Ab initio</i> study of the tensile strength and fracture of coincidence tilt boundaries in cubic SiC: Polar interfaces of the $\{122\} \Sigma=9$ boundary (11 pages)	184107
Masanori Kohyama	
Alphabet luminescence lines in $4H\text{-SiC}$ (4 pages)	184108
T. A. G. Eberlein, C. J. Fall, R. Jones, P. R. Briddon, and S. Öberg	
Sodium under pressure: bcc to fcc structural transition and pressure-volume relation to 100 GPa (8 pages)	184109
M. Hanfland, I. Loa, and K. Syassen	

Inhomogeneous, disordered, and partially ordered systems

Dynamical properties of liquid Al near melting: An orbital-free molecular dynamics study (13 pages)	184201
D. J. González, L. E. González, J. M. López, and M. J. Stott	
Molecular dynamics in conducting polyaniline protonated by camphor sulfonic acid as seen by quasielastic neutron scattering (13 pages)	184202
D. Djurado, J. Combet, M. Bée, P. Rannou, B. Dufour, A. Pron, and J. P. Travers	
Molecular dynamics simulation studies of atomic-level structures in rapidly quenched Ag-Cu nonequilibrium alloys (10 pages)	184203
H. W. Sheng, J. H. He, and E. Ma	
Hidden dimers and the matrix maps: Fibonacci chains revisited (5 pages)	184204
Samar Chattopadhyay and Arunava Chakrabarti	

Mechanism of the incommensurate phase in hexamethylene-tetramine suberate: A molecular-dynamics study (8 pages)	184205
Yuansheng Pan, Gervais Chapuis, and David Brown	
Icosahedral quasicrystal $\text{Al}_{71}\text{Pd}_{21}\text{Mn}_{08}$ and its ξ' approximant: Linear expansivity, specific heat, magnetic susceptibility, electrical resistivity, and elastic constants (13 pages)	184206
C. A. Swenson, I. R. Fisher, N. E. Anderson, Jr., P. C. Canfield, and A. Migliori	
Freezing of capillary waves at the glass transition (7 pages)	184207
T. Seydel, M. Tolan, B. M. Ocko, O. H. Seeck, R. Weber, E. DiMasi, and W. Press	
Dynamics, dynamical systems, lattice effects, quantum solids, etc.	
Raman spectroscopy of CaMnO_3 : Mode assignment and relationship between Raman line intensities and structural distortions (9 pages)	184301
M. V. Abrashev, J. Bäckström, L. Börjesson, V. N. Popov, R. A. Chakalov, N. Kolev, R.-L. Meng, and M. N. Iliev	
Optical phonon modes and interband transitions in cubic $\text{Al}_x\text{Ga}_{1-x}\text{N}$ films (13 pages)	184302
A. Kasic, M. Schubert, T. Frey, U. Köhler, D. J. As, and C. M. Herzinger	
Phonon dynamics in AV_2O_5 ($\text{A} = \text{Na, Ca, Mg, Cs}$) oxides (8 pages)	184303
Z. V. Popović, M. J. Konstantinović, R. Gajić, V. N. Popov, M. Isobe, Y. Ueda, and V. V. Moshchalkov	
Magnetism	
Susceptibility inhomogeneity and non-Fermi-liquid behavior in $\text{Ce}(\text{Ru}_{0.5}\text{Rh}_{0.5})_2\text{Si}_2$ (6 pages)	184401
D. E. MacLaughlin, O. O. Bernal, J. E. Sonier, R. H. Heffner, T. Taniguchi, and Y. Miyako	
NMR characterization of Co sites in La+Co-doped Sr hexaferrites with enhanced magnetic anisotropy (5 pages)	184402
M. W. Pieper, F. Kools, and A. Morel	
Separation of grain boundary effects and intrinsic properties in perovskite-like $\text{Gd}_{0.6}\text{Y}_{0.4}\text{BaCo}_2\text{O}_{5.5}$ using high-frequency dielectric spectroscopy (5 pages)	184403
V. Bobnar, P. Lunkenheimer, M. Paraskevopoulos, and A. Loidl	
Colossal magnetoresistance effect in the inverse spinel $\text{FeCr}_{2-x}\text{Ga}_x\text{S}_4$ (7 pages)	184404
Zhaorong Yang, Shun Tan, and Yuheng Zhang	
Probability-changing cluster algorithm for two-dimensional XY and clock models (5 pages)	184405
Yusuke Tomita and Yutaka Okabe	
Surface critical exponents at a uniaxial Lifshitz point (9 pages)	184406
Michel Pleimling	
Berry phase for a ferromagnet with fractional spin (11 pages)	184407
A. G. Abanov and Ar. Abanov	
From the square lattice to the checkerboard lattice: Spin-wave and large- n limit analysis (8 pages)	184408
Benjamin Canals	
Ordering temperature and critical exponents of the binomial Ising spin glass in dimension 3 (7 pages)	184409
P. O. Mari and I. A. Campbell	
Ginzburg-Landau functional for nearly antiferromagnetic perfect and disordered Kondo lattices (14 pages) ...	184410
M. Kiselev, K. Kikoin, and R. Oppermann	
Microstructure and magnetoresistance of epitaxial films of the layered perovskite $\text{La}_{2-2x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ ($x = 0.3$ and 0.4) (11 pages)	184411
J. B. Philipp, J. Klein, C. Recher, T. Walther, W. Mader, M. Schmid, R. Suryanarayanan, L. Alff, and R. Gross	
Surface resonances versus surface states on $\text{Fe}(110)$ (10 pages)	184412
J. Braun, C. Math, A. Postnikov, and M. Donath	
Pressure dependence of the magnetic ordering in $M_2\text{RuO}_5$ ($M = \text{Sm, Gd, and Tb}$) (4 pages)	184413
R. P. Guertin and S. McCall	

Orbital-lattice polarons in ferromagnetic LaMnO ₃ (10 pages)	184414
Jan Bala, Andrzej M. Oleś, and George A. Sawatzky	
Finite-temperature perturbation theory for quasi-one-dimensional spin- $\frac{1}{2}$ Heisenberg antiferromagnets (11 pages)	184415
Marc Bocquet	
Two ferromagnetic phases with different spin states of Mn and Ni in LaMn _{0.5} Ni _{0.5} O ₃ (11 pages)	184416
V. L. Joseph Joly, P. A. Joy, S. K. Date, and C. S. Gopinath	
Microscopic model for a class of mixed-spin quantum antiferromagnets (5 pages)	184417
J. V. Alvarez, Roser Valentí, and A. Zheludev	
Classical generalized constant-coupling method for geometrically frustrated magnets: Microscopic formulation and effect of perturbations beyond nearest-neighbor interactions (7 pages)	184418
Angel J. Garcia-Adeva and David L. Huber	
Magnetic uniaxial anisotropy of Fe films grown on vicinal Ag(001) (6 pages)	184419
Y. Z. Wu, C. Won, and Z. Q. Qiu	
Dynamical coherent-potential approximation to the magnetism in a correlated electron system (16 pages)	184420
Y. Kakehashi	
Possible ferromagnetism in divalent boride systems (7 pages)	184421
Chisa Hotta, Hidetoshi Fukuyama, and Masao Ogata	
Maximally localized Wannier functions in antiferromagnetic MnO within the FLAPW formalism (11 pages)	184422
Michel Posternak, Alfonso Baldereschi, Sandro Massidda, and Nicola Marzari	
Large lattice effects arising from Sc on magnetic and transport properties in La _{0.7} Ca _{0.3} Mn _{1-x} Sc _x O ₃ (8 pages)	184423
Yun-Hui Huang, Chun-Sheng Liao, Zhe-Ming Wang, Xiao-Hang Li, Chun-Hua Yan, Ji-Rong Sun, and Bao-Gen Shen	
Neutron-scattering studies of the geometrically frustrated spinel LiMn ₂ O ₄ (7 pages)	184424
J. E. Greedan, C. R. Wiebe, A. S. Wills, and J. R. Stewart	
Stable two- and three-dimensional geometrically constrained magnetic structures: The action of magnetic fields (6 pages)	184425
V. A. Molyneux, V. V. Osipov, and E. V. Ponizovskaya	
<i>g</i> factor of conduction electrons in the de Haas-van Alphen effect (10 pages)	184426
G. P. Mikitik and Yu. V. Sharlai	
Critical behavior of the three-state Potts model on the Sierpinski carpet (6 pages)	184427
Pai-Yi Hsiao and Pascal Monceau	
Langevin dynamic simulation of spin waves in a micromagnetic model (10 pages)	184428
O. Chubykalo, J. D. Hannay, M. Wongsam, R. W. Chantrell, and J. M. Gonzalez	
Finite-size versus periodic effects in Ni/Co multilayers (8 pages)	184429
L. Chico, M. P. López-Sancho, and M. C. Muñoz	
Manganese-induced interface states on <i>c</i> (2×2)MnCu/Cu(001) near the $\bar{X}_{p(1\times 1)}$ point of the surface Brillouin zone (7 pages)	184430
F. Schiller, S. V. Halilov, and C. Laubschat	
EXAFS and neutron diffraction study of the Heusler alloy Co ₂ MnSi (8 pages)	184431
B. Ravel, M. P. Raphael, V. G. Harris, and Q. Huang	
Magnetic ground state of Cr in density-functional theory (9 pages)	184432
R. Hafner, D. Spišák, R. Lorenz, and J. Hafner	
Hysteresis model with dipole interaction: Devil's staircase like shape of the magnetization curve (8 pages) ...	184433
A. A. Fraerman and M. V. Sapozhnikov	
Physical properties of the misfit-layered (Bi,Pb)-Sr-Co-O system: Effect of hole doping into a triangular lattice formed by low-spin Co ions (12 pages)	184434
T. Yamamoto, K. Uchinokura, and I. Tsukada	

Effect of local Coulomb interactions on the electronic structure and exchange interactions in Mn_{12} magnetic molecules (6 pages)	184435
D. W. Boukhvalov, A. I. Lichtenstein, V. V. Dobrovitski, M. I. Katsnelson, B. N. Harmon, V. V. Mazurenko, and V. I. Anisimov	
Charge dynamics of a double-exchange ferromagnet $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ (8 pages)	184436
K. Takenaka, R. Shiozaki, and S. Sugai	
Random bond effect in the quantum spin system $(\text{Tl}_{1-x}\text{K}_x)\text{CuCl}_3$ (7 pages)	184437
Akira Oosawa and Hidekazu Tanaka	
Superfluidity and superconductivity	
Distribution of spectral weight in a system with disordered stripes (10 pages)	184501
M. Granath, V. Oganessian, D. Orgad, and S. A. Kivelson	
Why holes are not like electrons: A microscopic analysis of the differences between holes and electrons in condensed matter (20 pages)	184502
J. E. Hirsch	
Superconductivity and excitonic state in a two-band model (7 pages)	184503
L. G. Sarasua and Mucio A. Continentino	
Superconducting and magnetic characteristics in the multilayered high- T_c cuprates $\text{TlBa}_2\text{Ca}_2\text{Cu}_3\text{O}_{10-y}$ with $T_c > 130$ K probed by Cu and Tl NMR: High value for T_c (4 pages)	184504
H. Kotegawa, Y. Tokunaga, K. Ishida, G.-q. Zheng, Y. Kitaoka, A. Iyo, Y. Tanaka, and H. Ihara	
Superconducting proximity effect in clean ferromagnetic layers (9 pages)	184505
M. Zareyan, W. Belzig, and Yu. V. Nazarov	
Vortex penetration into micron-sized $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ (4 pages)	184506
Y. M. Wang, A. Zettl, S. Ooi, and T. Tamegai	
Quantum interference and supercurrent in multiple-barrier proximity structures (13 pages)	184507
Artem V. Galaktionov and Andrei D. Zaikin	
Mode locking in driven vortex lattices with transverse ac drive and random pinning (5 pages)	184508
Alejandro B. Kolton, Daniel Domínguez, and Niels Grønbech-Jensen	
Vortex-related phase-transition-like behavior in the electrical properties of c-axis normal and vicinal $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ films (8 pages)	184509
P. S. Czerwinka, P. J. King, S. Misat, R. P. Campion, C. R. Staddon, and J. C. Villégier	
Dynamic transitions and resonances in Josephson-junction arrays under oscillating magnetic fields (5 pages)	184510
Gun Sang Jeon, Hyun Jin Kim, M. Y. Choi, Beom Jun Kim, and Petter Minnhagen	
Magnetic excitations in the normal and superconducting states of Sr_2RuO_4 (6 pages)	184511
F. Servant, B. Fåk, S. Raymond, J. P. Brison, P. Lejay, and J. Flouquet	
Scaling and exact solutions for the flux creep problem in a slab superconductor (10 pages)	184512
D. V. Shantsev, Y. M. Galperin, and T. H. Johansen	
Ground-state vortex lattice structures in d-wave superconductors (12 pages)	184513
Sudhansu S. Mandal and T. V. Ramakrishnan	
Magnetization and ^{11}B NMR study of $\text{Mg}_{1-x}\text{Al}_x\text{B}_2$ superconductors (5 pages)	184514
M. Pissas, G. Papavassiliou, M. Karayanni, M. Fardis, I. Maurin, I. Margiolaki, K. Prassides, and C. Christides	
Thermal Hall conductivity of marginal Fermi liquids subject to out-of-plane impurities in high- T_c cuprates (5 pages)	184515
Mei-Rong Li	
Temperature and field dependence of the energy gap of MgB_2/Pb planar junctions (4 pages)	184516
Mohamed H. Badr, Mario Freamat, Yuri Sushko, and K.-W. Ng	
Raman scattering study of $\text{RuSr}_2\text{R}_{2-x}\text{Ce}_x\text{Cu}_2\text{O}_{10+\delta}$ ($R=\text{Gd},\text{Eu}$) (7 pages)	184517
A. Fainstein, R. G. Pregliasco, G. V. M. Williams, and H. J. Trodahl	

Oxygen isotope effect of the plane-copper NQR frequency in $\text{YBa}_2\text{Cu}_4\text{O}_8$ (6 pages)	184518
M. Mali, J. Roos, H. Keller, J. Karpinski, and K. Conder	
Sharp resonant multiplet in femtosecond optical pair-breaking spectroscopy of optimally doped, underdoped, and Zn-doped $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$: Transient insulating regions in the superconducting state (7 pages)	184519
Eric Li, R. P. Sharma, S. B. Ogale, Y. G. Zhao, T. Venkatesan, J. J. Li, W. L. Cao, and C. H. Lee	
Universal scaling of the Hall resistivity in MgB_2 superconductors (4 pages)	184520
W. N. Kang, Hyeong-Jin Kim, Eun-Mi Choi, Heon Jung Kim, Kijoon H. P. Kim, and Sung-Ik Lee	
Roton backflow and quasiparticle scattering at ^4He surfaces (9 pages)	184521
M. B. Sobnack, J. R. Matthias, J. C. H. Fung, C. D. H. Williams, and J. C. Inkson	
Fluxoid motion in neutron stars (7 pages)	184522
M. Jahan-Miri	
Friction force on a vortex due to the scattering of superfluid excitations in helium II (7 pages)	184523
H. M. Cataldo and D. M. Jezek	
Charged vortices and copper nuclear quadrupole resonance in the cuprates (5 pages)	184524
E. Simánek	
Superconductivity induced by interband nesting in the three-dimensional honeycomb lattice (6 pages)	184525
Seiichiro Onari, Kazuhiko Kuroki, Ryotaro Arita, and Hideo Aoki	

ERRATA

Erratum: Ordering of dipolar Ising crystals [Phys. Rev. B 62 , 53 (2000)] (1 page)	189901(E)
Julio F. Fernández and Juan José Alonso	
Publisher's Note: Structural changes in zircon under α -decay irradiation [Phys. Rev. B 65 , 180102 (2002)] (1 page)	189902(E)
Kostya Trachenko, Martin T. Dove, and Ekhard K. H. Salje	

Cumulative Author Index	iii
-------------------------------	-----