

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 23

CONTENTS

15 JUNE 2001-I

Announcement: Electronic-First Publication and Article Numbers i

BRIEF REPORTS

Electronic structure: wide-band, narrow-band, and strongly correlated systems

- Second harmonic generation by charge-transfer excitons interacting with phonons (*4 pages*) 233101
P. Reineker and V. I. Yudson
- Final-state effects on photoemission line shapes at finite temperature (*4 pages*) 233102
Ch. Søndergaard, Ph. Hofmann, Ch. Schultz, M. S. Moreno, J. E. Gayone, M. A. Vicente Alvarez,
G. Zampieri, S. Lizzit, and A. Baraldi
- Optical properties of RNi_2B_2C ($R=Y, Tb, Er, Dy$) (*3 pages*) 233103
S. J. Lee, B. K. Cho, P. C. Canfield, and D. W. Lynch
- Hopping conductivity in dense hydrogen fluid (*4 pages*) 233104
Ronald Redmer, Gerd Röpke, Sandra Kuhlbrodt, and Heidi Reinholz
- Variational study of the stability of the Nagaoka state against single-spin flips in the two-dimensional $t-t'$
Hubbard model (*4 pages*) 233105
M. Bajdich and R. Hlubina
- Na 1s excitations in vapor and solid sodium halides (*4 pages*) 233106
C. M. Teodorescu, A. El Afif, J. M. Esteva, and R. C. Karnatak
- Spinless fermions and charged stripes at the strong-coupling limit (*4 pages*) 233107
C. L. Henley and N.-G. Zhang
- Recursive analytical formula for the Green's function of a Hamiltonian having a sum of one-dimensional
arbitrary delta-function potentials (*3 pages*) 233108
J. Besprosvany
- Properties of the density matrix from realistic calculations (*4 pages*) 233109
Xiaodong Zhang and D. A. Drabold

Semiconductors I: bulk

- Correlation-induced phonon softening in low-density coupled bilayer systems (*4 pages*) 233201
E. H. Hwang and S. Das Sarma
- Tetrahedral Mn_{i4} cluster in silicon (*4 pages*) 233202
J. Wedekind, H. Vollmer, and R. Labusch
- Hopfield coefficients measured by inverse polariton series (*4 pages*) 233203
Eiji Tokunaga, A. L. Ivanov, Selvakumar V. Nair, and Yasuaki Masumoto
- Electronic band structure and intermolecular interaction in substituted thiophene polymorphs (*4 pages*) 233204
J. Widany, G. Daminelli, A. Di Carlo, P. Lugli, G. Jungnickel, M. Elstner, and Th. Frauenheim

