

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
500 Sunnyside Boulevard
Woodbury, NY 11797-2999

THIRD SERIES, VOLUME 58, NUMBER 5

CONTENTS

1 AUGUST 1998-I

BRIEF REPORTS

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

- Raman-scattering study of phase transitions in methylmercury(II) halides CH_3HgX ($X = \text{Cl}, \text{Br}, \text{I}$) 2353
D. Kirin
- Constrained local plasma density approximation for the calculation of the stopping power
for slow ions in solids 2357
Neng-ping Wang, István Nagy, and Pedro M. Echenique
- Defect production in tungsten: A comparison between field-ion microscopy
and molecular-dynamics simulations 2361
Y. Zhong, K. Nordlund, M. Ghaly, and R. S. Averback
- High-pressure elastic constants of solid krypton from quasiharmonic lattice-dynamics calculations 2365
J. S. Tse, V. P. Shpakov, and V. R. Belosludov

Inhomogeneous, disordered, and partially ordered systems

- Molecular-dynamics simulations of liquid aluminum oxide 2369
Miguel Angel San Miguel, Javier Fernández Sanz, Luis Javier Álvarez, and José Antonio Odriozola

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

- Molecular-dynamics study of the Girifalco-model C_{60} at two high-temperature isotherms 2372
Maria C. Abramo and G. Coppelino
- Anisotropy-isotropy transition in a Sierpinski gasket fractal 2376
Bibhas Bhattacharyya and Arunava Chakrabarti
- Thermal conductivity of solid argon with oxygen admixtures 2380
P. Stachowiak, V. V. Sumarokov, J. Mucha, and A. Jeżowski
- Molecular hydrogen internuclear distance in high-pressure fluid and solid phases at room temperature 2383
Lorenzo Ulivi, Marco Zoppi, Luciano Gioè, and Gabriele Pratesi
- Avalanche ionization and dielectric breakdown in silicon with ultrafast laser pulses 2387
P. P. Pronko, P. A. VanRompay, C. Horvath, F. Loesel, T. Juhasz, X. Liu, and G. Mourou

Magnetism

- Possible magnetism in small palladium clusters 2391
Keeyung Lee
- Renormalized sextic coupling constant for the two-dimensional Ising model from field theory 2395
A. I. Sokolov and E. V. Orlov
- Onsager reaction field theory for the three-dimensional anisotropic XY model 2399
M. E. Gouvêa, A. S. T. Pires, and G. M. Wysin

