

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 57, NUMBER 23

15 JUNE 1998-I

Lattice contraction in carbon-doped GaAs epilayers	14 627
Wei Li and Markus Pessa	
Electron-phonon scattering in mesoscopic systems	14 630
Andreas Knäbchen	
Effective Lagrangian for quantum waveguides	14 634
E. Šimánek	
Interplay between the Coulomb blockade and resonant tunneling studied by the Keldysh Green's-function method	14 638
Tetsufumi Tanamoto and Masahito Ueda	
Electron energy-loss spectroscopy on the surface of conducting superlattices in the presence of plasma waves	14 642
R. A. Vázquez-Nava, G. H. Coccoletzi, M. del Castillo-Mussot, and W. Luis Mochán	

Surface physics, low-dimensional systems, and related topics

Metal segregation and electronic properties of lithium suboxide clusters	14 646
Fabio Finocchi and Claudine Noguera	
Effects on the fluid interface fluctuations due to the interaction potential form: Exponential interactions	14 650
George Palasantzas and Godelieve Backx	
Surface phase transitions of Ge(100) from temperature-dependent valence-band photoemission	14 654
A. D. Laine, M. DeSeta, C. Cepek, S. Vandr�, A. Goldoni, N. Franco, J. Avila, M. C. Asensio, and M. Sancrotti	

ARTICLES

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

Quantum phase transitions of the one-dimensional Peierls-Hubbard model with next-nearest-neighbor hopping integrals	14 658
Hiromi Otsuka	
Ground-state properties of rutile: Electron-correlation effects	14 667
Krzysztof Ro�sciszewski, Klaus Doll, Beate Paulus, Peter Fulde, and Hermann Stoll	
Electronic topological transitions in Mo-Re random alloys	14 673
N. V. Skorodumova, S. I. Simak, I. A. Abrikosov, B. Johansson, and Yu. Kh. Vekilov	
Pressure and magnetic-field effects on charge ordering in $\text{La}_{0.9}\text{Sr}_{0.1}\text{MnO}_3$	14 680
R. Senis, V. Laukhin, B. Mart�nez, J. Fontcuberta, X. Obradors, A. A. Arsenov, and Y. M. Mukovskii	
Dielectric response functions and Coulomb repulsion parameters in bcc and 9R lithium	14 684
Young-Gu Jin and K. J. Chang	
Electric-field-gradient calculations using the projector augmented wave method	14 690
Helena M. Petrilli, Peter E. Bl�chl, Peter Blaha, and Karlheinz Schwarz	
Heat transport in metals irradiated by ultrashort laser pulses	14 698
A. P. Kanavin, I. V. Smetanin, V. A. Isakov, Yu. V. Afanasiev, B. N. Chichkov, B. Wellegehausen, S. Nolte, C. Momma, and A. T�nnermann	
Doped antiferromagnets in high dimension	14 704
E. W. Carlson, S. A. Kivelson, Z. Nussinov, and V. J. Emery	
Phase diagram of the simplified Hubbard model with a generalized type of hopping in an external magnetic field	14 722
Pavol Farka�ovsk�	

(Continued)