Current Rapid Communications

Rapid Communications in Physical Review are short reports of important new work which are of sufficient interest to be given priority handling in the publication process. The following papers have been accepted for publication as Rapid Communications and appear as indicated in the designated Physical Review issues.

Physical Review B, Vol. 54, 15 November 1996, Issue 20

Effects of orbital degeneracy on the Mott transition in infinite dimensions ..... Gabriel Kotliar and Henrik Kajueter R14221
Hubbard model versus *t-J* model: The one-particle spectrum ..... Henk Eskes and Robert Eder R14226
Optical spectroscopy of the charge-ordering transition in $La_{1.67}Sr_{0.33}NiO_4$ ..... T. Katsufuji, T. Tanabe, T. Ishikawa, Y. Fukuda, T. Arima, and Y. Tokura R14230
Force and conductance jumps in atomic-scale metallic contacts ..... T. N. Todorov and A. P. Sutton R14234
$4d$ resonant inelastic x-ray scattering in gadolinium ..... J.-J. Gallet, J.-M. Mariot, C. F. Hague, F. Sirotti, M. Nakazawa, H. Ogasawara, and A. Kotani R14238
Pressure-induced distortion of the amorphous tetrahedral network in *a*-GaSb: Direct evidence from EXAFS ..... A. G. Lyapin, V. V. Brazhkin, S. C. Bayliss, A. V. Sapelkin, J. P. Itié, A. Polian, and S. M. Clark R14242
Orthorhombic symmetry *DX* centers in S-doped GaSb, GaAs, and $Al_xGa_{1-x}As$ ..... C. H. Park and D. J. Chadi R14246
Continuum contribution to excitonic four-wave mixing due to interaction-induced nonlinearities ..... D. Birkedal, V. G. Lyssenko, J. M. Hvam, and K. El Sayed R14250
Finite-chain-length effect on nonlinear optical response in polysilane as investigated by electroabsorption spectroscopy ..... H. Kishida, H. Tachibana, K. Sakurai, M. Matsumoto, and Y. Tokura R14254
Spin splitting of subbands in quasi-one-dimensional electron quantum channels ..... Chuan-Kui Wang and K.-F. Berggren R14257
Current-induced decoupling of edge states in the integer quantum Hall effect ..... T. Machida, H. Hirai, S. Komiyama, T. Osada, and Y. Shiraki R14261
dc transport in quantum wires ..... Yuval Oreg and Alexander M. Finkel'stein R14265
Femtosecond luminescence measurements of the intersubband scattering rate in $Al_xGa_{1-x}As/GaAs$ quantum wells under selective excitation ..... M. Hartig, S. Haacke, B. Deveaud, and L. Rota R14269
Probing the band structure of a two-dimensional hole gas using a one-dimensional superlattice ..... B. Brosh, M. Y. Simmons, S. N. Holmes, A. R. Hamilton, D. A. Ritchie, and M. Pepper R14273
Origin of the surface metallization in single-domain $K/Si(100)2 \times 1$ ..... P. Segovia, G. R. Castro, A. Mascaraque, P. Prieto, H. J. Kim, and E. G. Michel R14277
Internal electron-electron interactions in one-dimensional systems detected by Raman spectroscopy ..... C. Steinebach, R. Krahne, G. Biese, C. Schüller, D. Heitmann, and K. Eberl R14281
Inhibition of spontaneous emission from quantum-well magnetoexcitons ..... A. Imamoglu R14285
Even-odd correlations in capacitance fluctuations of quantum dots ..... O. Prus, A. Auerbach, Y. Aloni, U. Sivan, and R. Berkovits R14289
Theory of electromagnetic response and collective excitations of a square lattice of antidots ..... S. A. Mikhailov R14293
Reflection symmetric ballistic microstructures: Quantum transport properties ..... Harold U. Baranger and Pier A. Mello R14297
Dephasing of Bloch oscillations in epitaxial superlattices ..... Joseph P. Reynolds and Marshall Luban R14301
Distribution of the absorption by chaotic states in quantum dots ..... Nobuhiko Taniguchi and Vladimir N. Prigodin R14305
Collective modes and electronic spectral function in smooth edges of quantum Hall systems ..... Sergio Conti and Giovanni Vignale R14309
Composite fermions in tilted magnetic fields and the effect of the confining potential width on the composite-fermion effective mass ..... P. J. Gee, F. M. Peeters, J. Singleton, S. Uji, H. Aoki, C. T. B. Foxon, and J. J. Harris R14313
Diffusion thermopower at even-denominator fractions ..... D. V. Khveshchenko R14317
Controlling Schottky energy barriers in organic electronic devices using self-assembled monolayers ..... I. H. Campbell, S. Rubin, T. A. Zawodzinski, J. D. Kress, R. L. Martin, D. L. Smith, N. N. Barashkov, and J. P. Ferraris R14321
Superradiant emission from Bloch oscillations in semiconductor superlattices ..... R. Martini, G. Klose, H. G. Roskos, H. Kurz, H. T. Grahn, and R. Hey R14325
Photoluminescent spectrum and dynamics of Si^+-ion-implanted and thermally annealed SiO_2 glasses ..... Yoshihiko Kanemitsu, Naoya Shimizu, Takuya Komoda, Peter L. F. Hemment, and Brian J. Sealy R14329
Evidence for the presence of the multipole plasmon mode on Ag surfaces ..... F. Moresco, M. Rocca, V. Zielasek, T. Hildebrandt, and M. Henzler R14333
Size-related ferroelectric-domain-structure transition in a polycrystalline $PbTiO_3$ thin film ..... S. B. Ren, C. J. Lu, J. S. Liu, H. M. Shen, and Y. N. Wang R14337

(Continued)

Current Rapid Communications-*Continued*

Physical Review D, Vol. 54, 1 November 1996, Issue 11

Polarized Λ's in the current fragmentation region ..... R. L. Jaffe R6581
Remarks on the hadronic effect in muon g—2: Low energy behavior of V^0-π^+ scattering ..... M. Hayakawa R6586
Goldstone supermultiplet as the messenger of supersymmetry breaking ..... Kiwoon Choi and Kang Young Lee R6591