

Recent publications by IBM authors

The information listed here is supplied by the Institute for Scientific Information and other outside sources. Reprints of the papers may be obtained by writing directly to the first author cited.

- Journals are listed alphabetically by title; papers are listed sequentially for each journal.

A

Randomized Algorithms, R. Motwani (Stanford University, Stanford, CA 94305) and P. Raghavan, *ACM Computing Surveys* **28**, No. 1, 33–37 (1996).

Object-Oriented Design, I. M. Holland (IBM Corporation, Old Orchard Road, Armonk, NY 10504) and K. J. Lieberherr, *ACM Computing Surveys* **28**, No. 1, 273–275 (1996).

Global Communication Analysis and Optimization, S. Chakrabarti (University of California, Berkeley, CA 94720) et al., *ACM SIGPLAN Notices* **31**, No. 5, 68–78 (1996).

Data-Flow Frequency Analysis, G. Ramalingam (IBM Corporation, P.O. Box 704, Yorktown Heights, NY 10598), *ACM SIGPLAN Notices* **31**, No. 5, 267–277 (1996).

Ab-Initio Molecular Dynamics with the Projector Augmented Wave Method, P. E. Blochl (IBM Corporation, Säumerstrasse 4, 8803 Rüschlikon, Switzerland) et al., *ACS Symposium Series* **629**, 54–69 (1996).

Natural-Killer-Cells After Altair Mission, I. V. Konstantinova (IBM Russia, Moscow, Russia) et al., *Acta Astronautica* **36**, No. 8–12, 713–718 (1995).

Efficiently Extendible Mappings for Balanced Data Distribution, D. M. Choy (IBM Corporation, 650 Harry Road, San Jose, CA 95120) et al., *Algorithmica* **16**, No. 2, 215–232 (1996).

Growth and Strain Symmetrization of Si/Ge/C/Sn Quaternary Alloys by Molecular Beam Epitaxy, F. J. Guarín (IBM Corporation, Route 52, Hopewell Junction, NY 12533) et al., *Applied Physics Letters* **68**, No. 25, 3608–3610 (1996).

Tensile Strained Barrier GaAsP/GaAs Single-Quantum-Well Lasers, F. Agahi (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *Applied Physics Letters* **68**, No. 26, 3778–3780 (1996).

Periodic Poling and Wave-Guide Frequency Doubling in RbTiOAsO₄, W. P. Risk (IBM Corporation, 650 Harry Road, San Jose, CA 95120) and G. M. Loiacono, *Applied Physics Letters* **69**, No. 3, 311–313 (1996).

Thermal Writing Using a Heated Atomic Force Microscope Tip, H. J. Mamin (IBM Corporation, 650 Harry Road, San Jose, CA 95120), *Applied Physics Letters* **69**, No. 3, 433–435 (1996).

Direct Coupled High-T_c Thin-Film SQUIDS Using Step Edge Weak Link Junctions, J. Z. Sun (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *Applied Superconductivity* **3**, No. 7–10, 425–441 (1995).

Light Profiles and Pattern Speeds for Bars in Early-Type and Late-Type Galaxies, B. G. Elmegreen (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *Astronomical Journal* **111**, No. 6, 2233–2237 (1996).

B

OpenDoc Says OLE to Developers, E. A. Vanderveer (IBM Corporation, 11400 Burnet Road, Austin, TX 78758), *Byte* **21**, No. 7, 49–50 (1996).

C

Piecewise-Linear Models for the Quasi-Periodic Transition to Chaos, D. K. Campbell (University of Illinois, 1110 West Green Street, Urbana, IL 61801) et al., *Chaos* **6**, No. 2, 121–154 (1996).

Chemical Safety: Surprise Polymerization of Methacryloyl Chloride, J. Frazier (IBM Corporation, 650 Harry Road, San Jose, CA 95120), *Chemical & Engineering Letters* **74**, No. 23, 4 (1996).

Achieving Excellent Tradeoffs Among Optical, Chemical and Thermal Properties in Second-Order Nonlinear-Optical Chromophores, V. P. Rao (IBM Corporation, Route 52, Hopewell Junction, NY 12533) et al., *Chemical Communications* **10**, 1237-1238 (1996).

Surface Chemistry in the Chemical Vapor Deposition of Electronic Materials, S. M. Gates (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598), *Chemical Reviews* **94**, No. 4, 1519-1532 (1996).

A Message Passing Standard for MPP and Workstations, J. J. Dongarra (University of Tennessee, Knoxville, TN 37996) et al., *Communications of the ACM* **39**, No. 7, 84-90 (1996).

Client-Server and Object-Oriented Training: Refining the Curriculum, P. J. Douglas (IBM Corporation, Route 100, Somers, NY 10589) et al., *Computer* **29**, No. 6, 80+ (1996).

Computer Communications TC, R. O. Onvural (IBM Corporation, Old Orchard Road, Armonk, NY 10504) and V. Srinivasan, *Computer* **29**, No. 7, 99-100 (1996).

Local Shape Control for Free Form Solids in Exact CSG Representation, B. N. Guo (University of Toronto, Toronto, Ontario M5S 1A4, Canada) and J. Menon, *Computer Aided Design* **28**, No. 6-7, 483-493 (1996).

Automatically Organizing Bookmarks Per Contents, Y. S. Maarek (IBM Corporation, Haifa Research Laboratory, IL-31905 Haifa, Israel) and I. Z. Benshaul, *Computer Networks and ISDN Systems* **28**, No. 7-11, 1321-1333 (1996).

Intelligent Musical Instrument Systems, P. W. Farrett (IBM Corporation, 11400 Burnet Road, Austin, TX 78758), *Computers & Mathematics with Applications* **32**, No. 1, 37-48 (1996).

DMIX: A Multifaceted Environment for Composing and Performing Computer Music, D. V. Oppenheim (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598), *Computers & Mathematics with Applications* **32**, No. 1, 117-135 (1996).

Effects of Pictographs and Quoting on Flaming in Electronic Mail, P. A. Thompson (William Jewell College, 500 College Hill, Liberty, MO 64068) and D. A. Foulger, *Computers in Human Behavior* **12**, No. 2, 225-243 (1996).

D

Wear-Resistant Fluorinated Diamond-Like Carbon-Films, A. Grill (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) and V. V. Patel, *Diamond Films and Technology* **6**, No. 1, 13-21 (1996).

On the Geometric Separability of Boolean Functions, T. Hegedus (IBM Corporation, 650 Harry Road, San Jose, CA 95120) and N. Megiddo, *Discrete Applied Mathematics* **66**, No. 3, 205-218 (1996).

Restrictions and Preassignments in Preemptive Open Shop Scheduling, D. Dewerra (École Polytechnique Fédérale Lausanne, CH-1015 Lausanne, Switzerland) et al., *Discrete Applied Mathematics* **68**, No. 1-2, 169-188 (1996).

E

Affinity Maturation and Hypermutation in a Simulation of the Humoral Immune-Response, F. Celada (New York University Hospital, 301 East 17 Street, New York, NY 10003) and P. E. Seiden, *European Journal of Immunology* **26**, No. 6, 1350-1358 (1996).

Anomalous Electronic Behavior of Na Superfullerides: Theory and Experiment, W. Andreoni (IBM Corporation, Säumerstrasse 4, 8803 Rüschlikon, Switzerland) et al., *Europhysics Letters* **34**, No. 9, 699-704 (1996).

Micromechanical Deformation Analysis of Beta-Alloy Titanium in Elastic and Elastic/Plastic Tension, B. Han (IBM Corporation, 1701 North Street, Endicott, NY 13760), *Experimental Mechanics* **36**, No. 2, 120-126 (1996).

F

The Requirements of a High-Performance Implementation of PVM, M. Bernaschi (IBM Corporation, P. Giulio Pastore 6, I-00144 Rome, Italy), *Future Generation Computer Systems* **12**, No. 1, 3-11 (1996).

I

Object Technology in Perspective, G. Radin (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598), *IBM Systems Journal* **35**, No. 2, 124-127 (1996).

Business Language Analysis for Object-Oriented Information Systems, D. W. McDavid (IBM Corporation, 6300 Diagonal Highway, Boulder, CO 80301), *IBM Systems Journal* **35**, No. 2, 128-150 (1996).

Automatic Code Generation from Design Patterns, F. J. Budinsky (IBM Canada, Ltd., 1150 Eglinton Avenue East, North York, Ontario M3C 1H7, Canada) et al., *IBM Systems Journal* **35**, No. 2, 151-171 (1996).

Storing and Using Objects in a Relational Database, B. Reinwald (IBM Corporation, 650 Harry Road, San Jose, CA 95120) et al., *IBM Systems Journal* **35**, No. 2, 172-191 (1996).

Approach to Object Security in Distributed SOM, M. Benantar (IBM Corporation, P.O. Box 950, Poughkeepsie, NY 12602) et al., *IBM Systems Journal* **35**, No. 2, 192-203 (1996).

Real-Time Complexity Metrics for Smalltalk Methods, S. L. Burbeck (IBM Corporation, P.O. Box 12195, Research Triangle Park, NC 27709), *IBM Systems Journal* **35**, No. 2, 204-226 (1996).

Creating Global Software: Text Handling and Localization in Taligent's CommonPoint Application System, M. E. Davis (IBM Corporation, 10355 North De Anza Boulevard, Cupertino, CA 95104) et al., *IBM Systems Journal* **35**, No. 2, 227-243 (1996).

From Dynamic Supertypes to Subjects: A Natural Way to Specify and Develop Systems, W. H. Harrison (IBM Corporation, P.O. Box 704, Yorktown Heights, NY 10598) et al., *IBM Systems Journal* **35**, No. 2, 244-256 (1996).

What Should Computer Scientists Teach to Physical Scientists and Engineers?, G. V. Wilson (IBM Canada Ltd., 844 Don Mills Road, North York, Ontario M3C 1V7, Canada), *IEEE Computational Science & Engineering* **3**, No. 2, 46-55 (1996).

Amplitude-Modulation Characteristics of Barrier-Reservoir and Quantum-Well Electron-Transfer (BRAQWET) Modulators, P. N. Freeman (AT&T Bell Labs, Murray Hill, NJ 07974) et al., *IEEE Journal of Quantum Electronics* **32**, No. 7, 1161-1167 (1996).

A Full Bit Prefetch DRAM Sensing Circuit, T. Sunaga (IBM Japan Ltd., 800 Ichimiya, Yasu, Shiga 52023, Japan), *IEEE Journal of Solid-State Circuits* **31**, No. 6, 767-772 (1996).

Optical Networking Update, P. E. Green (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598), *IEEE Journal on Selected Areas in Communications* **14**, No. 5, 764-779 (1996).

The Rainbow-II Gigabit Optical Network, E. Hall (IBM Corporation, P.O. Box 704, Yorktown Heights, NY 10598) et al., *IEEE Journal on Selected Areas in Communications* **14**, No. 5, 814-823 (1996).

Design of Logical Topologies for Wavelength Routed Optical Networks, R. Ramaswami (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) and K. N. Sivarajan, *IEEE Journal on Selected Areas in Communications* **14**, No. 5, 840-851 (1996).

Computing Approximate Blocking Probabilities for a Class of All Optical Networks, A. Birman (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598), *IEEE Journal on Selected Areas in Communications* **14**, No. 5, 852-857 (1996).

WDM Protocol Transparent Distance Extension Using R2 Remodulation, P. E. Green (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *IEEE Journal on Selected Areas in Communications* **14**, No. 5, 962-967 (1996).

Channel Assignment Schemes for Cellular Mobile Telecommunication Systems: A Comprehensive Survey, I. Katzela (Columbia University, New York, NY 10027) and M. Naghshineh, *IEEE Personal Communications* **3**, No. 3, 10-31 (1996).

Network Layer Mobility: An Architecture and Survey, P. Bhagwat (IBM Corporation, P.O. Box 704, Yorktown Heights, NY 10598) et al., *IEEE Personal Communications* **3**, No. 3, 54-64 (1996).

Adaptive Analog Equalization and Receiver Front End Control for Multilevel Partial Response Transmission over Metallic Cables, G. Cherubini (IBM Corporation, Säumerstrasse 4, 8803 Rüschlikon, Switzerland) et al., *IEEE Transactions on Communications* **44**, No. 6, 675-685 (1996).

Differential Service in High-Speed Interconnection Systems: An Algorithm for Prioritized Access, I. Chlamtac (Boston University, Boston, MA 02215) and M. G. Kienzle, *IEEE Transactions on Communications* **44**, No. 7, 858-866 (1996).

Effect of the Specimen Size in Predicting the Mechanical Properties of PbSn Solder Alloys, N. R. Bonda (Motorola Inc., Tempe, AZ 85284) and I. C. Noyan, *IEEE Transactions on Components Packaging and Manufacturing Technology A* **19**, No. 2, 208-212 (1996).

Design Optimization of a Laser Bond Tool, L. Economikos (IBM Corporation, Route 52, Hopewell Junction, NY 12533) and R. Sherif, *IEEE Transactions on Components Packaging and Manufacturing Technology A* **19**, No. 2, 234-239 (1996).

Determination of an Effective Coefficient of Thermal Expansion of Electronic Packaging Components: A Whole-Field Approach, B. T. Han (IBM Corporation, 1701 North Street, Endicott, NY 13760) and Y. F. Guo, *IEEE Transactions on Components Packaging and Manufacturing Technology A* **19**, No. 2, 240-247 (1996).

A Timing Analysis Algorithm for Circuits with Level Sensitive Latches, J. F. Lee (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *IEEE Transactions on Computer-Aided Design of Integrated Circuits & Systems* **15**, No. 5, 535-543 (1996).

An Improvement on Constructions of T-EC/AUED Codes, R. S. Katti (North Dakota State University, Fargo, ND 58105) and M. Blaum, *IEEE Transactions on Computers* **45**, No. 5, 607-608 (1996).

A Theory of Wormhole Routing in Parallel Computers, S. Felperin (IBM Corporation, 650 Harry Road, San Jose, CA 95120) et al., *IEEE Transactions on Computers* **45**, No. 6, 704-713 (1996).

A VLSI Compatible High-Speed Silicon Photodetector for Optical Data Link Applications, M. Ghioni (Politecnica Milan, I-20133 Milan, Italy) et al., *IEEE Transactions on Electron Devices* **43**, No. 7, 1054-1060 (1996).

Ensemble Monte-Carlo Study of Interface-State Generation in Low-Voltage Scaled Silicon MOS Devices, J. J. Ellismonaghan (North Carolina State University, Raleigh, NC 27695) et al., *IEEE Transactions on Electron Devices* **43**, No. 7, 1123-1132 (1996).

Partially Hidden Markov Models, S. Forchhammer (Technical University of Denmark, DK-2800 Lyngby, Denmark) and J. Rissanen, *IEEE Transactions on Information Theory* **42**, No. 4, 1253–1256 (1996).

Optimization of Parallel Execution for Multi-Join Queries, M. S. Chen (National Taiwan University, Taipei 10764, Taiwan) et al., *IEEE Transactions on Knowledge and Data Engineering* **8**, No. 3, 416–428 (1996).

Design and Measurements of a Novel Subharmonically Pumped Millimeter-Wave Mixer Using Two Single Planar Schottky-Barrier Diodes, S. D. Vogel (IBM Corporation, Säumerstrasse 4, 8803 Rüschlikon, Switzerland), *IEEE Transactions on Microwave Theory and Techniques* **44**, No. 6, 825–831 (1996).

Performance Evaluation and Cache Analysis of an ILP Protocol Implementation, T. Braun (IBM Corporation, D-69115 Heidelberg, Germany) and C. Diot, *IEEE/ACM Transactions on Networking* **4**, No. 3, 318–330 (1996).

The Sink Tree Paradigm: Connectionless Traffic Support on ATM LANs, R. Cohen (Technion, Israel Institute of Technology, IL-3000 Haifa, Israel) et al., *IEEE/ACM Transactions on Networking* **4**, No. 3, 363–374 (1996).

Future Directions in Industrial Machine Vision: A Case Study of Semiconductor Manufacturing Applications, A. R. Rao (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598), *Image and Vision Computing* **14**, No. 1, 3–19 (1996).

Bovine Whey: A Substitute for FBS in CHO-K1 Cell Cultures, J. Capiaumont (University Nancy 1, 9 Avenue Foret Haye, F-54500 Vandoeuvre Nancy, France) et al., *In Vitro Cellular & Developmental Biology—Animal* **32**, No. 1, 8–12 (1996).

User Centered Design for Productive Systems, J. J. Kubie (IBM Corporation, Old Orchard Road, Armonk, NY 10504) et al., *Information Systems Management* **13**, No. 2, 38–48 (1996).

Effects Due to Initial Perturbations on the Modeling of Vortex Shedding from a Bluff-Body in a Laminar Flow, A. E. Holdo (University of Hertfordshire, Hatfield AL10 9AB, Herts, England) and E. Weibust, *International Journal of Computational Fluid Dynamics* **6**, No. 4, 337–344 (1996).

A Fast Parallel Algorithm for Finding the Convex Hull of a Sorted Point Set, O. Berkman (University of London, Kings College, London WC2R 2LS, England) et al., *International Journal of Computational Geometry & Applications* **6**, No. 2, 231–241 (1996).

Boundary Measures of Markov-Chains, E. Cawley (University of Chicago, Chicago, IL 60637) et al., *Israel Journal of Mathematics* **94**, 111–123 (1996).

Basic Aspects of High- T_c Grain-Boundary Devices, J. Mannhart (IBM Corporation, Säumerstrasse 4, 8803 Rüschlikon, Switzerland) et al., *Journal de Physique IV* **6**, No. NC3, 329–334 (1996).

Aerosol Particle Deposition in a Recirculation Region, A. Li (Clarkson University, Potsdam, NY 13699), *Journal of Adhesion* **51**, No. 1–4, 87–103 (1996).

Surface Energy Modification and Characterization of a Plasma-Polymerized Fluoropolymer, H. H. Chen (IBM Corporation, P.O. Box 950, Poughkeepsie, NY 12602) and M. D. Ries, *Journal of Adhesion Science and Technology* **10**, No. 6, 495–513 (1996).

Global Advertising Which Acts Locally: The IBM Subtitles Campaign, W. R. McCullough (IBM Corporation, Old Orchard Road, Armonk, NY 10504), *Journal of Advertising Research* **36**, No. 3, 11–15 (1996).

The Boundary Contour Method for 3-D Linear Elasticity, A. Nagarajan (IBM Corporation, 650 Harry Road, San Jose, CA 95120) et al., *Journal of Applied Mathematics and Mechanics* **63**, No. 2, 278–286 (1996).

Thermal Analysis Using a Micromechanical Calorimeter, R. Berger (IBM Corporation, Säumerstrasse 4, 8803 Rüschlikon, Switzerland) et al., *Journal of Applied Physics* **69**, No. 1, 40–42 (1996).

Hot Electron Induced Passivation of Silicon Dangling Bonds at the Si(111)/SiO₂ Interface, E. Cartier (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) and J. H. Stathis, *Journal of Applied Physics* **69**, No. 1, 103–105 (1996).

Active Microlevers as Miniature Torque Magnetometers, C. Rossel (IBM Corporation, Säumerstrasse 4, 8803 Rüschlikon, Switzerland) et al., *Journal of Applied Physics* **79**, No. 11, 8166–8173 (1996).

Optimization of X-ray Sources for Proximity Lithography Produced by a High Average Power Nd-Glass Laser, P. Celliers (Lawrence Livermore National Laboratory, Livermore, CA 94550) et al., *Journal of Applied Physics* **79**, No. 11, 8258–8268 (1996).

Curvature of Multilayer Epitaxial Films, P. M. Marcus (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598), *Journal of Applied Physics* **79**, No. 11, 8367–8366 (1996).

Optical-Absorption in Alloys of Si, Ge, C, and Sn, B. A. Orner (University of Delaware, Newark, DE 19716) et al., *Journal of Applied Physics* **79**, No. 11, 8656–8659 (1996).

Unique X-ray Diffraction Pattern at Grazing-Incidence from Misfit Dislocations in SiGe Thin-Films, J. W. Jordansweet (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *Journal of Applied Physics* **80**, No. 1, 89–96 (1996).

J

Interfaces in Silicides, F. M. d'Heurle (Royal Institute of Technology, Electrum Box 1298, Stockholm, Sweden), *Journal de Physique IV* **6**, No. NC2, 29–46 (1996).

Anode Hole Injection and Trapping in Silicon Dioxide, D. J. Dimaria (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *Journal of Applied Physics* **80**, No. 1, 304–317 (1996).

Switching Characteristics of Submicron Cobalt Islands, R. D. Gomez (University of Maryland, College Park, MD 20742) et al., *Journal of Applied Physics* **80**, No. 1, 342–346 (1996).

Emission Studies of the Gas-Phase Oxidation of Mn During Pulsed-Laser Deposition of Manganates in O₂ and N₂O Atmospheres, P. Lecoeur (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *Journal of Applied Physics* **80**, No. 1, 513–517 (1996).

Growth of Er-Doped Silicon Using Metalorganics by Plasma-Enhanced Chemical Vapor Deposition, P. S. Andry (University of Vermont, Burlington, VT 05405) et al., *Journal of Applied Physics* **80**, No. 1, 551–558 (1996).

Measurement of Intracellular pH in Cultured Cells by Flow-Cytometry with BCECF-AM, P. Franck (FAC Med Nancy, BP 184, F-54505 Vandoeuvre Nancy, France) et al., *Journal of Biotechnology* **46**, No. 3, 187–195 (1996).

Ionization Probabilities of $A^2\Sigma^+(v' = 0,1,2)$ and $B^2\Pi(v' = 0,2)$ States of No, H. Zacharias (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *Journal of Chemical Physics* **105**, No. 1, 111–117 (1996).

Ab-Initio Molecular-Dynamics Simulation of Liquid Water: Comparison 3 Gradient-Corrected Density Functionals, M. Sprik (IBM Corporation, Säumerstrasse 4, 8803 Rüschlikon, Switzerland) et al., *Journal of Chemical Physics* **105**, No. 3, 1142–1152 (1996).

Solution Structure of Papain as Studied by Molecular-Mechanics and Molecular-Dynamics Techniques, N. S. Kandadai (IBM Corporation, P.O. Box 950, Poughkeepsie, NY 12602) and M. R. Reddy, *Journal of Computational Chemistry* **17**, No. 11, 1328–1338 (1996).

An Extension of Van Gelder's Alternating Fixpoint to Magic Programs, S. Morishita (IBM Japan Ltd., Tokyo, Japan), *Journal of Computer and System Sciences* **52**, No. 3, 506–521 (1996).

Selectivity and Cost Estimation for Joins Based on Random Sampling, P. J. Haas (IBM Corporation, 650 Harry Road, San Jose, CA 95120) et al., *Journal of Computer and System Sciences* **52**, No. 3, 550–569 (1996).

Atomic-Scale Studies of Epitaxial Growth Processes Using X-ray Techniques, D. W. Kisker (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *Journal of Crystal Growth* **163**, No. 1–2, 54–59 (1996).

Optical Characterization of Surfaces During Epitaxial Growth Using RDS and GIXS, I. Kamiya (JRDC, Meguro ku, 4-7-6 Komaba, Tokyo 153, Japan) et al., *Journal of Crystal Growth* **163**, No. 1–2, 67–77 (1996).

Asymptotic Distributions of the Sample-Mean, Autocovariances, and Autocorrelations of Long-Memory Time-Series, J. R. M. Hosking (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598), *Journal of Econometrics* **73**, No. 1, 261–284 (1996).

Spectroscopic Manifestation of Mass Renormalization in a Layered 4D-Electron Superconductor Sr₂RuO₄, I. H. Inoue (Research Development Corporation Japan, Tsukuba, Ibaraki 305, Japan) et al., *Journal of Electron Spectroscopy and Related Phenomena* **78**, 175–178 (1996).

Thermomechanical Deformation of 1 μ m Thick Cu-Polyimide Line Arrays Studied by Scanning Probe Microscopy, D. V. Zhmurkin (University of New Hampshire, Durham, NH 03824) et al., *Journal of Electronic Materials* **25**, No. 6, 976–982 (1996).

Interfacial Reactions During Soldering with Lead-Tin Eutectic and Lead (PB)-Free, Tin-Rich Solders, S. K. Kang (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *Journal of Electronic Materials* **25**, No. 7, 1113–1120 (1996).

A New Characterization of Graphs Based on Interception Relations, A. Paz (Technion, Israel Institute of Technology, IL-32000 Haifa, Israel) et al., *Journal of Graph Theory* **22**, No. 2, 125–136 (1996).

Rapid Prototyping Materials Rheology, T. E. Karis (IBM Corporation, 650 Harry Road, San Jose, CA 95120), *Journal of Imaging Science and Technology* **40**, No. 2, 147–155 (1996).

Crosstalk and Interference Penalty in All Optical Networks Using Static Wavelength Routers, C. S. Li (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) and F. Tong, *Journal of Lightwave Technology* **14**, No. 6, 1120–1126 (1996).

Lithographically Patterned Single Domain Cobalt Islands for High Density Magnetic Recording, R. M. H. New (IBM Corporation, 650 Harry Road, San Jose, CA 95120) et al., *Journal of Magnetism and Magnetic Materials* **155**, No. 1–3, 140–145 (1996).

Magnetic and Structural Characteristics of Sputtered Barium Ferrite Thin-Films, J. S. Li (IBM Corporation, 5600 Cottle Road, San Jose, CA 95139) et al., *Journal of Magnetism and Magnetic Materials* **155**, No. 1–3, 157–160 (1996).

LEEM Studies of the Microstructure and Magnetic Domain-Structure of Ultrathin Films, E. Bauer (Technical University of Clausthal, D-38678 Clausthal Zellerf, Germany) et al., *Journal of Magnetism and Magnetic Materials* **156**, No. 1–3, 1–6 (1996).

Co/V Interface Anisotropy and Interlayer Exchange Coupling in (V/Co)(N)/Au(111) Stackings, A. Bounouh (University of Paris II, CNRS 022, F91405 Orsay, France), *Journal of Magnetism and Magnetic Materials* **156**, No. 1–3, 233–234 (1996).

Origin of the Phi-Approximate-To ≤ 9 -Degrees Peaks in $\text{YBa}_2\text{Cu}_3\text{O}_{7.6}$ Films Grown on Cubic Zirconia Substrates, D. G. Schlom (Pennsylvania State University, University Park, PA 16802) et al., *Journal of Materials Research* **11**, No. 6, 1336–1348 (1996).

Comparative Molecular Moment Analysis (COMMA): 3D-QSAR Without Molecular Superposition, B. D. Silverman (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) and D. E. Platt, *Journal of Medicinal Chemistry* **39**, No. 11, 2129–2140 (1996).

Direct Determination of the Quadratic Electrooptic Coefficient in an A-SiH Based Waveguide, M. Zelikson (Technion, Israel Institute of Technology, IL-32000 Haifa, Israel) et al., *Journal of Non-Crystalline Solids* **200**, 107–110 (1996).

Object Oriented Shock Therapy, M. Dodani (IBM Corporation, Old Orchard Road, Armonk, NY 10504), *Journal of Object-Oriented Programming* **9**, No. 4, 17–19 (1996).

The Visual Modeling Technique: An Introduction and Overview, F. W. W. Fang (IBM Corporation, Old Orchard Road, Armonk, NY 10504), *Journal of Object-Oriented Programming* **9**, No. 4, 48+ (1996).

Alkyne Complexes of Copper(I) (1,1,1,5,5,5-Hexafluoro-2,4-Pentanedionato): Syntheses and Characterization of (ETA(2)-BiS(Trimethylsilyl)Acetylene) Copper(I) (HFAC), (μ -ETA(2)-BiS(Trimethylsilyl)Acetylene) BiS, P. Doppelt (Advance Technology Materials, 7 Commerce Drive, Danbury, CT 06810) and T. H. Baum, *Journal of Organometallic Chemistry* **517**, No. 1–2, 53–62 (1996).

Analysis of Gamma-Rhythms in the Rat Hippocampus *In-Vitro* and *In-Vivo*, R. D. Traub (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *Journal of Physiology—London* **493**, No. 2, 471–484 (1996).

Software Metrics and Microcode: A Case Study, G. Triantafyllos (IBM Corporation, P.O. Box 950, Poughkeepsie, NY 12602) et al., *Journal of Software Maintenance Research and Practice* **8**, No. 3, 199–224 (1996).

The Posterior Distribution of the Fixed and Random Effects in a Mixed Effects Linear Model, D. A. Harville (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) and A. G. Zimmerman, *Journal of Statistical Computation and Simulation* **55**, No. 1–3, 211–229 (1996).

Energy Flux-Density in a Thermoacoustic Couple, N. Cao (Los Alamos National Laboratory, P.O. Box 1663, Los Alamos, NM 87545) et al., *Journal of the Acoustical Society of America* **99**, No. 6, 3456–3464 (1996).

Migratory Co Insertion and Aldehyde Formation in Carbonylation of Methane by the $\text{Rh}(\text{Ph}_3)(2)\text{Cl}$ Catalyst: A Dynamical Density-Functional Study, P. Margl (University of Calgary, 2500 University Drive NW, Calgary, Alberta, T2N 1N4, Canada) et al., *Journal of the American Chemical Society* **118**, No. 23, 5412–5419 (1996).

The Benefits of Relaxing Punctuality, R. Alur (AT&T Bell Labs, 800 Mountain Avenue, Murray Hill, NJ 07974) et al., *Journal of the Association for Computing Machinery* **43**, No. 1, 116–146 (1996).

Unreliable Failure Detectors for Reliable Distributed Systems, T. D. Chandra (IBM Corporation, P.O. Box 704, Yorktown Heights, NY 10598) and S. Toueg, *Journal of the Association for Computing Machinery* **43**, No. 2, 225–267 (1996).

Repasivation of Pits in Aluminum Thin-Films, G. S. Frankel (Ohio State University, 116 West 19th Avenue, Columbus, OH 43210) et al., *Journal of the Electrochemical Society* **143**, No. 6, 1834–1840 (1996).

Tribological Behavior of Amorphous Carbon Nitride Overcoats for Magnetic Thin-Film Rigid Disks, E. C. Cutiongco (Northwestern University, Evanston, IL 60208) et al., *Journal of Tribology* **118**, No. 3, 543–548 (1996).

Ultrathin Perfluoropolyether Films: Influence of Anchoring and Mobility of Polymers on the Tribological Properties, J. Ruhe (University of Bayreuth, D-95440 Bayreuth, Germany) et al., *Journal of Tribology* **118**, No. 3, 663–668 (1996).

Study of Buried Interfaces by Soft-X-ray Fluorescence Spectroscopy Excited by Synchrotron Radiation, D. L. Ederer (Tulane University, New Orleans, LA 70118) et al., *Journal of Vacuum Science & Technology A* **14**, No. 3, 859–866 (1996).

Response-Surface Study of Resist Etching in High-Density Oxygen Plasma and Interactions of O_2 Plasma with NiFe, Cu, Ta, and Al_2O_3 , R. Hsiao (IBM Corporation, 650 Harry Road, San Jose, CA 95120) et al., *Journal of Vacuum Science & Technology A* **14**, No. 3, 1028–1032 (1996).

Nanostructural Characterization of Thin-Film Transistors Using a Combination of Scanning Force Microscopy and Transmission Electron-Microscopy, S. Tsuji (IBM Japan Ltd., Yamato, Kanagawa 242, Japan) et al., *Journal of Vacuum Science & Technology A* **14**, No. 3, 1714–1718 (1996).

Total-Reflection X-ray Fluorescence Analysis of Planarized Semiconductor Product Wafers, M. A. Lavoie (IBM Corporation, P.O. Box A, Essex Junction, VT 05452) et al., *Journal of Vacuum Science & Technology A* **14**, No. 3, 1924–1926 (1996).

Buried-Gate Oxide Thinning During Epitaxial Lateral Overgrowth for Dual-Gated Metal-Oxide-Semiconductor Field-Effect Transistors, J. S. Watts (IBM Corporation, P.O. Box A, Essex Junction, VT 05452) and G. W. Neudeck, *Journal of Vacuum Science & Technology B* **14**, No. 3, 1670–1674 (1996).

Thin, High-Atomic-Weight Refractory Film Deposition for Diffusion Barrier, Adhesion Layer, and Seed Layer Applications, S. M. Rossnagel (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *Journal of Vacuum Science & Technology B* **14**, No. 3, 1819–1827 (1996).

Cu Metallization Using a Permanent-Magnet Electron-Cyclotron-Resonance Microwave Plasma/Sputtering Hybrid System, S. M. Gorbalkin (Oak Ridge National Laboratory, Oak Ridge, TN 37831) et al., *Journal of Vacuum Science & Technology B* **14**, No. 3, 1853–1859 (1996).

Study of Interface Abruptness of Molecular-Beam Epitaxial GaAs/AlAs Superlattices Grown on GaAs(311) and (100) Substrates, Y. Hsu (Columbia University, New York, NY 10027) et al., *Journal of Vacuum Science & Technology B* **14**, No. 3, 2286–2289 (1996).

L

Near-Surface Structure of Solvent-Free Processed Polyimide Thin-Film, R. F. Saraf (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *Langmuir* **12**, No. 11, 2802–2806 (1996).

Technology Foresight: The Future for IT, G. W. Robinson (IBM Corporation, Old Orchard Road, Armonk, NY 10504) *Long Range Planning* **29**, No. 2, 232–238 (1996).

M

Hyperbranched Poly(Ether Ketones): Manipulation of Structure and Physical Properties, C. J. Hawker (IBM Corporation, 650 Harry Road, San Jose, CA 95120) and F. K. Chu, *Macromolecules* **29**, No. 12, 4370–4380 (1996).

Annealing Effect of Cu on the Co Structure in Cu/Co/Cu Sandwiches, M. Benaissa (IFUNAM, Mexico City 20364, DF, Mexico) et al., *Materials Science Forum* **F207**, No. P2, 697–700 (1996).

Numerical Experiments with the Lancelot Package (Release-A) for Large-Scale Nonlinear Optimization, A. R. Conn (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *Mathematical Programming* **73**, No. 1, 73–110 (1996).

Concerns at the Top, R. H. Lucius (Emory University, Atlanta, GA 30322) et al., *Media Studies Journal* **10**, No. 2–3, 69+ (1996).

MEH-PPV Light Emitting Diodes: Mechanisms of Failure, J. C. Scott (IBM Corporation, 650 Harry Road, San Jose, CA 95120) et al., *Molecular Crystals and Liquid Crystals Science and Technology Section A* **283**, 57–62 (1996).

Defeating Tradeoffs for Nonlinear-Optical Materials, C. R. Moylan (IBM Corporation, 650 Harry Road, San Jose, CA 95120) et al., *Molecular Crystals and Liquid Crystals Science and Technology Section A* **283**, 115–118 (1996).

The Interaction Polarizability and Interaction Second Hyperpolarizability for He...He, D. M. Bishop (University of Ottawa, Ottawa, Ontario K1N 6N5, Canada) and M. Dupuis, *Molecular Physics* **88**, No. 4, 887–898 (1996).

Dynamic Batching Policies for an On-Demand Video Server, A. Dan (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *Multimedia Systems* **4**, No. 3, 112–121 (1996).

N

Smooth Dark Spiral Arms in the Flocculant Galaxy NGC2841, D. L. Block (University of Witwatersrand, Private Bag 3, Witwatersrand 2050, South Africa) et al., *Nature* **381**, No. 6584, 674–676 (1996).

O

Holographic Bandwidth Compression Using Spatial Subsampling, M. Lucente (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598), *Optical Engineering* **35**, No. 6, 1529–1537 (1996).

Holographic Digital Data-Storage in a Photorefractive Polymer, P. M. Lundquist (IBM Corporation, 650 Harry Road, San Jose, CA 95120) et al., *Optics Letters* **21**, No. 12, 890–892 (1996).

Effect of the Oxidation State of LiNbO₃-Fe on the Diffraction Efficiency of Multiple Holograms, G. W. Burr (IBM Corporation, 650 Harry Road, San Jose, CA 95120) and D. Psaltis, *Optics Letters* **21**, No. 12, 893–895 (1996).

P

Partitioning and Scheduling to Counteract Overhead, R. Khardon (IBM Israel Science & Technology, IL-31905 Haifa, Israel) and S. S. Pinter, *Parallel Computing* **22**, No. 4, 555–593 (1996).

Interfacial Roughness of Partially Correlated Metallic Multilayers Studied by Non-Spectacular X-ray Reflectivity, R. Paniago (University of Houston, Houston, TX 77204) et al., *Physica B* **221**, No. 1–4, 10–12 (1996).

Faceting of Stepped Silicon(113) Surfaces: Self-Assembly of Nanoscale Gratings, S. G. J. Mochrie (Massachusetts Institute of Technology, Cambridge, MA 02139) et al., *Physica B* **221**, No. 1–4, 105–125 (1996).

On the Reflectivity of Polymers: Neutrons and X-rays, T. P. Russell (IBM Corporation, 650 Harry Road, San Jose, CA 95120), *Physica B* **221**, No. 1–4, 267–283 (1996).

Neutron Reflectivity Measurements of Homopolymer Interfaces Reinforced with Random Copolymers, R. Kulasekera (University of Missouri, Columbia, MO 65211) et al., *Physica B* **221**, No. 1–4, 306–308 (1996).

3D-XY Critical-Point Behavior in High-T_c Superconductors, T. Schneider (IBM Corporation, Säumerstrasse 4, 8803 Rüschlikon, Switzerland), *Physica B* **222**, No. 4, 374–378 (1996).

Redistribution of the Spectral Intensity in a Layered 4D-Electron Superconductor Sr₂RuO₄ Observed by the Photoemission Spectroscopy, I. H. Inoue (Research Development Corporation, Tsukuba, Ibaraki 305, Japan) et al., *Physica B* **224**, No. 1–4, 516–518 (1996).

Local Electrochemical Oxidation/Reduction: First Step Towards a New Lithography, J. P. Locquet (IBM Corporation, Säumerstrasse 4, 8803 Rüschlikon, Switzerland), *Physica C* **263**, No. 1-4, 160-163 (1996).

Half Integer Flux Quantum Effect in Tricrystal Cuprate Superconductors, C. C. Tsuei (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *Physica C* **263**, No. 1-4, 232-237 (1996).

Reaction Paths and Mechanisms for the Formation of Superconducting Oxides in the Rare Earth-Ba-Cu-O System, R. Kontra (Massachusetts Institute of Technology, Cambridge, MA 02139) et al., *Physica C* **264**, No. 1-2, 55-73 (1996).

First-Principles Study of the H-Induced Reconstruction of W(110), K. W. Kwak (IBM Corporation, 650 Harry Road, San Jose, CA 95120) et al., *Physical Review B* **53**, No. 20, 3734-3739 (1996).

Implications of $D9(x^2 - y^2)$ Symmetry and Faceting for the Transport Properties of Grain Boundaries in High- T_c Superconductors, H. Hilgenkamp (IBM Corporation, Säumerstrasse 4, 8803 Rüschlikon, Switzerland) et al., *Physical Review B* **53**, No. 21, 4586-4593 (1996).

Observation of Lateral Superlattice Effects on Stepped Cu(001), X. Y. Wang (Columbia University, Columbia Radiation Laboratory, New York, NY 10027) et al., *Physical Review B* **53**, No. 23, 5738-5742 (1996).

Imaging of a Surface-State from Clean Cu(001), J. E. Klepeis (Lawrence Livermore National Laboratory, Livermore, CA 94551) et al., *Physical Review B* **53**, No. 23, 6035-6040 (1996).

L-Edge X-ray Absorption in FCC and BCC Cu Metal: Comparison of Experimental and First Principles Theoretical Results, H. Ebert (University of Munich, Theresienstrasse 37, D-80333 Munich, Germany) et al., *Physical Review B* **53**, No. 23, 6067-6073 (1996).

From BCS-Like Superconductivity to Condensation of Local Pairs: A Numerical Study of the Attractive Hubbard Model, J. M. Singer (University of Zurich, CH-8057 Zurich, Switzerland) et al., *Physical Review B* **54**, No. 2, 1286-1301 (1996).

Dynamics in the $S = 1/2$ One-Dimensional Antiferromagnet Sr_2CuO_3 Via Cu-63 NMR, M. Takigawa (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *Physical Review Letters* **76**, No. 24, 4612-4615 (1996).

Biquadratic Exchange Coupling in Sputtered (100)Fe/Cr/Fe, A. Azevedo (University of Fed. Pernambuco, BR-50670901 Recife, PE, Brazil) et al., *Physical Review Letters* **76**, No. 25, 4837-4840 (1996).

Fermi-Surface and Extended VanHove Singularity in the Noncuprate Superconductor Sr_2RuO_4 , D. H. Lu (Forschungszentrum Karlsruhe, P.O. Box 3640, D-76021 Karlsruhe, Germany) et al., *Physical Review Letters* **76**, No. 25, 4845-4848 (1996).

Effects of Doping on the Vibrational Properties of C_{60} from First Principles: K_6C_{60} , P. Giannozzi (Scuola Normale Super Pisa, Piazza Cavalieri 7, I-56126 Pisa, Italy) and W. Andreoni, *Physical Review Letters* **76**, No. 26, 4915-4918 (1996).

6D Quantum Dynamics of Adsorption and Desorption of H-2 at PD(100): Steering and Steric Effects—Comment, C. T. Rettner (IBM Corporation, 650 Harry Road, San Jose, CA 95120) and D. J. Auerbach, *Physical Review Letters* **77**, No. 2, 404 (1996).

The Physical Nature of Information, R. Landauer (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598), *Physics Letters A* **217**, No. 4-5, 188-193 (1996).

Inductive Plasmas for Plasma Processing, J. H. Keller (IBM Corporation, Route 52, Hopewell Junction, NY 12533), *Plasma Sources* **5**, No. 2, 166-172 (1996).

R

High-Temperature Polyimide Nanofoams for Microelectronic Applications, J. L. Hedrick (IBM Corporation, 650 Harry Road, San Jose, CA 95120) et al., *Reactive & Functional Polymers* **30**, No. 1-3, 43-53 (1996).

Polyimides Derived from Nonaromatic Monomers: Synthesis, Characterization and Potential Applications, W. Volksen (IBM Corporation, 650 Harry Road, San Jose, CA 95120) et al., *Reactive & Functional Polymers* **30**, No. 1-3, 61-69 (1996).

Nuclear Tests, R. L. Garwin (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598), *Recherche* **288**, 6 (1996).

Interactive Task Planning Under Uncertainty and Goal Changes, S. Bagchi (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *Robotics and Autonomous Systems* **18**, No. 1-2, 157-167 (1996).

S

Minimal Energy Requirements in Communication, R. Landauer (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598), *Science* **272**, No. 5270, 1914-1918 (1996).

Off Resonance Conduction Through Atomic Wires, A. Yazdani (IBM Corporation, 650 Harry Road, San Jose, CA 95120), *Science* **272**, No. 5270, 1921-1924 (1996).

The Future of CD Technology I: Next-Generation Compact Discs, A. E. Bell (IBM Corporation, Old Orchard Road, Armonk, NY 10504), *Scientific American* **275**, No. 1, 42-46 (1996).

Probing High-Temperature Superconductivity, J. R. Kirtley (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) and C. C. Tsuei, *Scientific American* **275**, No. 2, 68-73 (1996).

Rapid Computation of the Discrete Fourier Transform, C. Anderson (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) and M. D. Dahleh, *SIAM Journal on Scientific Computing* **17**, No. 4, 913-919 (1996).

Simple Models for Resist Processing Effects, T. A. Brunner (IBM Corporation, Route 52, Hopewell Junction, NY 12533) and R. A. Ferguson, *Solid State Technology* **39**, No. 6, 95+ (1996).

Low-Temperature Growth of Si by PECVD, W. J. Varhue (University of Vermont, Burlington, VT 05405) et al., *Solid State Technology* **39**, No. 6, 163+ (1996).

Deep-UV Resists: Evolution and Status, H. Ito (IBM Corporation, 650 Harry Road, San Jose, CA 95120), *Solid State Technology* **39**, No. 7, 164+ (1996).

An Algorithm for Estimating Parameters of State-Space Models, L. S. Y. Wu (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *Statistics & Probability Letters* **28**, No. 2, 99-106 (1996).

Imaging Surface-Reactions with Light, G. Haas (Max Planck Gesell, Faradayweg 4-6, D-1000 Berlin, Germany) et al., *Surface Science* **352**, 1003-1006 (1996).

Remote Inductive Effects in the Si 2P Spectra of Halogenated Silicon, W. C. Simpson (University of California, Riverside, CA 92521) et al., *Surface Science* **355**, No. 1-3, L283-L288 (1996).

Measurement of Surface-State Conductance Using STM Point Contacts, Y. Hasegawa (Tohoku University, Sendai, Miyagi 980, Japan) et al., *Surface Science* **358**, No. 1-3, 32-37 (1996).

Dynamics of the Formation of HD from D(H) Atoms Colliding with H(D)/Cu(111): A Model Study of an Eley-Rideal Reaction, C. T. Rettner (IBM Corporation, 650 Harry Road, San Jose, CA 95120) and D. J. Auerbach, *Surface Science* **358**, No. 1-3, 602-608 (1996).

T

The Effect of Traffic Shaping in Efficiently Providing End-to-End Performance Guarantees, L. Georgiadis (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *Telecommunications Systems* **5**, No. 1-3, 71-83 (1996).

Cell Versus Message-Level Performances in ATM Networks, I. Cidon (Sun Microsystems Laboratories Inc., Mountain View, CA 94043) et al., *Telecommunications Systems* **5**, No. 1-3, 223-239 (1996).

Advances in Living Free-Radical Polymerization: Architectural and Structural Control, C. J. Hawker (IBM Corporation, 650 Harry Road, San Jose, CA 95120), *Trends in Polymer Science* **4**, No. 6, 183-188 (1996).

U

Light Confinement in Scanning Near Field Optical Microscopy, L. Novotny (ETH Zurich, CH-8092 Zurich, Switzerland) et al., *Ultramicroscopy* **61**, No. 1-4, 1-9 (1995).

Tunnel Near Field Optical Microscopy: TNOM-2, B. Hecht (IBM Corporation, Säumerstrasse 4, 8803 Rüschlikon, Switzerland) et al., *Ultramicroscopy* **61**, No. 1-4, 99-104 (1995).

Piezoresistive Cantilevers as Optical Sensors for Scanning Near Field Microscopy, P. Bauer (IBM Corporation, Säumerstrasse 4, 8803 Rüschlikon, Switzerland) et al., *Ultramicroscopy* **61**, No. 1-4, 127-130 (1995).

V

Towards a Texture Naming System: Identifying Relevant Dimensions of Texture, A. R. Rao (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) and G. L. Lohse, *Vision Research* **36**, No. 11, 1649-1669 (1996).

Z

Comparison of a Brownian-Motion Rate Theory with Dislocation Damping Data for Lead, R. D. Isaac (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) and A. V. Granato, *Zeitschrift für Metallkunde* **87**, No. 6, 434-438 (1996).

Atomic Resolution in Dynamic Force Microscopy Across Steps on Si(111)7 × 7, R. Luthi (University of Basel, Klingelbergstrasse 82, CH-4056 Basel, Switzerland) et al., *Zeitschrift für Physik B* **100**, No. 2, 165-167 (1996).

Normal State Properties of the Attractive Hubbard Model: Moment Approach, T. Schneider (IBM Corporation, Säumerstrasse 4, 8803 Rüschlikon, Switzerland) et al., *Zeitschrift für Physik B* **100**, No. 2, 263-276 (1996).

X-ray Magnetic Circular Dichroism Study of the Induced Spin Polarization of Cu in Co/Cu and Fe/Cu Multilayers, G. A. Held (IBM Corporation, P.O. Box 218, Yorktown Heights, NY 10598) et al., *Zeitschrift für Physik B* **100**, No. 3, 335-341 (1996).