

Physics

Applications of Field Theory to Statistical Mechanics: Lecture Notes in Physics, Vol. 216. L. GARRIDO (ed.). Springer-Verlag:1985. Pp.352. ISBN 3-540-13911-7/0-387-13911-7. Np.

Chaotic Behavior in Quantum Systems: Theory and Applications. GIULIO CASATI (ed.). Plenum:1985. Pp.380. ISBN 0-306-41898-3. Np.

Classical, Discrete Spin Models: Lecture Notes in Physics, Vol. 214. By HENDRICK MORAAL. Springer-Verlag:1984. Pp.251. ISBN 3-540-13896-X. DM 32.

Collective Phenomena in Current-Carrying Plasmas. By E.D. VOLKOV *et al.* (eds). Gordon & Breach:1985. Pp.247. ISBN 2-88124-016-X. \$90.

Computing in Accelerator Design and Operation: Lecture Notes in Physics, Vol. 215. W. BUSSE and R. ZELAZNY (eds). Springer-Verlag:1984. Pp.574. ISBN 3-540-13909-5/0-387-13909-5. Np.

Electronic Structure, Dynamics, and Quantum Structural Properties of Condensed Matter. JOZEF T. DEVREESE and PIET VAN CAMP (eds). Plenum:1985. Pp.591. ISBN 0-306-41912-2. Np.

EXAFS and Near Edge Structure III, Proceedings in Physics, Vol. 2. K.O. HODGSON, B. HEDMAN and J.E. PENNER-HAHN (eds). Springer-Verlag:1984. Pp.533. ISBN 3-540-15013-7. DM 99.

Ferroelectrics and Related Materials. G.A. SMOLENSKII (ed.). Gordon & Breach:1985. Pp.763. ISBN 2-88124-107-7. Np.

Fourier Transform Infrared Spectroscopy. T. THEOPHANIDES (ed.). Reidel:1984. Pp.192. ISBN 90-277-1783-4. Dfl 78, \$29.50.

Ninth International Conference on Numerical Methods in Fluid Dynamics. SOUBBARAMAYER and J.P. BOUJOT (eds). Springer-Verlag:1985. Pp.612. Pbk ISBN 3-540-13917-6. Pbk Np.

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Transfer Theory for Trapped Electromagnetic Energy, 3rd Edn. By GEORGES LUCAS. Wiley:1984. Pp.96. ISBN 0-471-90573-9. Pbk £9.

Treatise on Heavy-Ion Science, Vol. 4. Extreme Nuclear States. D. ALLAN BROMLEY (ed.). Plenum:1985. Pp.701. ISBN 0-306-41574-7. Np.

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Zoltan Bay: Atomic Physicist. A Pioneer of Space Research. By FRANCIS S. WAGNER. Akadémiai Kiadó, Budapest:1985. Pp.116. ISBN 963-05-3578-5. £9.75.

Chemistry

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Chemical Thermodynamics: Solutions Manual. By PETER A. ROCK. Oxford University Press:1985. Pp.459. Pbk ISBN 0-19-855715-9. Pbk £11.95.

Dalla Chimica del Flogisto alle Teorie la Voisieriane dell' Ossidazione e del Calore. By S. TUGNOLI PATTARO. Editrice Bologna:1984. Pp.49. Np.

Handbook on the Physics and Chemistry of Rare Earths, Vol. 7. K.A. GSCHNEIDNER Jr. and L. EYRING (eds). North-Holland:1984. ISBN 0-444-86851-8. \$128.75, Dfl 335.

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Molecular Structure: Macromolecules in Three Dimensions. By ROBERT J. FLETTERICK, TRINA SCHROER and RAYMOND J. MATELA (eds). Blackwell Scientific:1985. Pp.196. ISBN 0-86542-300-8. £19.80.

¹³C-NMR Spectroscopy: A Working Manual with Exercises. By EBERHARD BREITMAIER and GERHARD BAUER. Gordon & Breach:1984. Pp.356. ISBN 3-7186-0022-6. \$113.50.

Organometallic Compounds of Aluminum, Gallium, Indium and Thallium. A. MCKILLOP, J.D. SMITH and I.J. WORRALL (eds). Chapman & Hall:1985. Pp.309. ISBN 0-412-26780-2. £22.50.

Organometallic Compounds of Boron. K. SMITH (ed.). Chapman & Hall:1985. Pp.304. ISBN 0-412-26790-X. £22.50.

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Potential Energy Surfaces: Molecular Structure and Reaction Dynamics. By DAVID M. HIRST. Taylor & Francis:1985. Pp.248. ISBN 0-85066-275-3. £19.

Proceedings of the US-Japan Seminar on Piezoelectric Polymers. K.D. PAE and Y. WADA (eds). Gordon & Breach:1984. Pp.353. ISBN 0-677-1655-52. Pbk \$140.

Receptor Modelling in Environmental Chemistry. By PHILIP K. HOPKE. Wiley:1985. Pp.319. ISBN 0-471-89106-1. Np.

La Teoria Del Flogisto: Alle Origini della Rivoluzione Chimica. By SANDRA TUGNOLI PATTARO. Cooperativa Libreria Universitaria Editrice Bologna:1983. Pp.286. Np.

Technology

Basic Physics and Technology of Medical Diagnostic Ultrasound. By MATTHEW HUSSEY. Macmillan, London:1985. Pp.236. Hbk ISBN 0-333-36604-2, £15. Pbk ISBN 0-333-36605-0. £7.50.

Cutting Edge Technologies. NATIONAL ACADEMY OF ENGINEERING. National Academy:1984. Pp.192. ISBN 0-309-03489-2. £21.75.

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Rubber Processing and Production Organization. By PHILIP K. FREAKLEY. Plenum:1985. Pp.455. ISBN 0-306-41745-6. Np.

The Space Station: An Idea Whose Time has Come. THEODORE R. SIMPSON (ed.). The Institute of Electrical and Electronics Engineers Inc, 345 East 47th Street, New York, NY 10017, USA:1985. Pp.295. ISBN 0-87942-7. £20.

Applied Biological Sciences

Advances in Plant Pathology, Vol. 2. D.S. INGRAM and P.H. WILLIAMS (eds). Academic:1984. Pp.303. ISBN 0-12-033702-9. \$55.

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Disease Markers: Human MHC Class II Antigens: Genetics, Structure and Function. C.M. STEEL (ed.). Wiley:1984. Pp.361. Np.

Handbook of Enzyme Biotechnology, 2nd Edn. ALAN WISEMAN (ed.). Ellis Horwood:1985. Pp.457. ISBN 0-85312-420-5. £42.50.

Immune Intervention: New Trends in Vaccines. IVAN M. ROITT (ed.). Academic:1984. Pp.145. ISBN 0-12-593301-0. \$27.50, £19.

The Impact of Protein Chemistry on the Biomedical Sciences. ALAN N. SCHECHTER, ANN DEAN and ROBERT F. GOLDBERGER (eds). Academic:1984. Pp.415. ISBN 0-12-622780-2. \$55, £42.50.

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Medical Microbiology, Vol. 4. C.S.F. EASMON and J. JELASZEWICZ (eds). Academic:1984. Pp.342. ISBN 0-12-228004-0. \$65, £42.

Optical Techniques in Biological Research. DENIS L. ROUSSEAU (ed.). Academic:1984. Pp.430. ISBN 0-12-599322-6. \$65, £49.

The Organic Chemistry of Drug Synthesis. By DANIEL LEDICER and LESTER A. MITSCHER. Wiley:1984. Pp.284. ISBN 0-471-09250-9. £37.95.

Oxygen Transport to Tissue: Advances in Experimental Medicine and Biology, Vol. 180. DUANE BRULEY, HAIM I. BICHER and DANIEL REINEAU (eds). Plenum:1984. Pp.924. ISBN 0-306-41887-8. Np.

The Physician's Guide to Diving Medicine. CHARLES W. SHILLING, CATHERINE B. CARLSTON and ROSEMARY A. MATHIAS (eds). Plenum:1984. Pp.736. ISBN 0-306-41428-7. \$95.

Prevention of Perioperative Infection. H. SCHÖNFELD (ed.). Karger:1985. Pp.208. ISBN 3-8055-3936-3. DM178, \$89.25.

Prevention of Physical and Mental Congenital Defects: Part A The Scope of the Problem. MAURICE MAROIS (ed.). Alan R. Liss:1984. Pp.244. ISBN 0-8451-0183-8. £41.

A Short Textbook of Medical Statistics, 11th Edn. By AUSTIN BRADFORD HILL. Hodder & Stoughton:1984. Pp.307. Pbk ISBN 0-340-34742-2. Pbk £6.95.