

Recent scientific and technical books

Mathematics

- BYRNES, Christopher I. (ed.). *Partial Differential Equations and Geometry*. (Proceedings of the Park City Conference.) (Lecture Notes in Pure and Applied Mathematics, Vol. 48.) Pp.x + 323. ISBN-0-8247-6775-6. (New York and Basel: Marcel Dekker, Inc., 1979.) Sw.fr.78.
- CIGLER, Johann, LOSERT, Viktor, and MICHOR, Peter. *Banach Modules and Functors on categories of Banach Spaces*. (Lecture Notes in Pure and Applied Mathematics, Vol.46.) Pp.xv + 282. ISBN-0-8247-6867-1. (New York and Basel: Marcel Dekker, Inc., 1979.) Sw.fr.66.
- GERAMITA, Anthony V., and SEBERRY, Jennifer. *Orthogonal Designs: Quadratic Forms and Hadamard Matrices*. (Lecture Notes in Pure and Applied Mathematics, Vol.45.) Pp.x + 460. ISBN-0-8247-6774-8. (New York and Basel: Marcel Dekker, Inc., 1979.) Sfr.78.
- GRECO, Silvio. *Normal Varieties*. Notes written with the collaboration of A. Di Sante. (Istituto Nazionale di Alta Matematica. *Instantiones Mathematica*, Vol.4.) Pp.72. (London and New York: Academic Press, 1978.) £8.
- LIU, Pan-Tai, and ROXIN, Emilio (ed.) *Differential Games and Control Theory III*. (Proceedings of the Third Kingston Conference, Part A.) (Lecture Notes in Pure and Applied Mathematics, Vol.44.) Pp.vii + 244. ISBN-0-8247-6845-0. (New York and Basel: Marcel Dekker, Inc., 1979.) Sfrs.60.
- McBRIDE, A.C. *Fractional Calculus and Integral Transforms of Generalized Functions*. (Research Notes in Mathematics, 31.) Pp.179. ISBN-0-273-08415-1. (San Francisco, London and Melbourne: Pitman Publishing, Ltd., 1979.) £7.50.
- MAYBECK, Peter S. *Stochastic Models, Estimation, and Control, Vol.1*. (Mathematics in Science and Engineering: a Series of Monographs and Textbooks, Vol. 141.) Pp.xix + 423. ISBN-0-12-480701-1. (New York and London: Academic Press, 1979.) \$29.50.
- ROTA, Gian-Carlo (ed.). *Studies in Algebra and Number Theory*. (Advances in Mathematics, Supplementary Studies, Vol.6.) Pp.xi + 369. ISBN-0-12-599153-3. (New York and London: Academic Press, 1979.) \$38; £24.70.
- SAHNEY, Badri N. (ed.). *Polynomial and Spline Approximation: Theory and Applications*. (Proceedings of the NATO Advanced Study Institute held at Calgary, Canada, August 26-September 2, 1978. NATO Advanced Study Institutes Series. Series C: Mathematical and Physical Sciences.) Pp.vii + 321. ISBN-90-277-0984-X. (Dordrecht, Boston, Mass. and London: D. Reidel Publishing Company, 1979. Published in co-operation with NATO Scientific Affairs Division.) Dfl.70.
- SCHWABIK, Stefan, TVRDY, Milan, and VEJVODA, Otto. *Differential and Integral Equations: Boundary Value Problems and Adjoints*. Pp.248. ISBN-90-277-0802-9. (Dordrecht, Boston, Mass., and London: D. Reidel Publishing Company, 1979.) Dfl.75; \$39.50.
- SUBRAHMANYAM, Kathleen. *A Primer in Probability*. (Statistics: Textbooks and Monographs, Vol.28.) Pp.viii + 326. ISBN-0-8247-6836-1. (New York and Basel: Marcel Dekker, Inc., 1979.) Sfr.29.
- WANG, Peter C.C. (ed.). With SCHOENSTADT, Arthur L., RUSSAK, Bert I., and COMSTOCK, Craig. *Information Linkage Between Applied Mathematics and Industry*. (Proceedings of the First Annual Workshop, Naval Postgraduate School, Monterey, California, February 23-25, 1978.) Pp.xiv + 661. ISBN-0-12-734250-8. (New York and London: Academic Press, 1979.) \$35.

Astronomy

- THE AMERICAN EPHEMERIS AND NAUTICAL ALMANAC for the year 1980. Pp.viii + 575. (Washington, DC.: US Government Printing Office, 1979.)
- BURDAKOW, W.P. and SIGEL, F.J. *Raumfahrt und Weltraumforschung Grundlagen und Aspekte*. In Deutscher Sprache herausgegeben von Dr. Hans Oleak. Pp.220. (Berlin: Akademie-Verlag, 1979.) DDR.25M.
- CLARK, David. *Superstars*. Pp.xiv + 175. ISBN-0-460-04384-6. (London, Toronto and Melbourne: J.M. Dent and Sons, Ltd., 1979.) £7.95.
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- MITTON, Jacqueline, and MITTON, Dr. Simon. (ed.). *Star Atlas*. Pp.32. ISBN-0-224-01715-2. (London: Jonathan Cape, 1979.) £1.10.
- MULLER, Edith A. (ed.) *Reports on Astronomy*. Transactions of the International Astronomical Union, Vol. XVIIA. Part 1: Pp.vii + 223. ISBN-90-277-1005-8. Dfl.56; \$29.50. Part 2: Pp. vii + 246. ISBN-90-277-1005-8. Dfl.56; \$29.50. Part 3: Pp. vii + 246. ISBN-90-277-1006-6. Dfl.56; \$29.50. Part 4: Pp.vii + 228. ISBN-90-277-1007-4. Dfl.56; \$29.50. Complete set of 3 parts Dfl.168; \$88.50. (Dordrecht, Boston, Mass. and London: D. Reidel Publishing Company, 1979.)
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Physics

- BISHOP, R.E.D. *Vibration*. (Based on six lectures delivered at The Royal Institution, London in December 1962.) Second edition. Pp.ix + 164. ISBN-0-521-04256-9. (Cambridge, London and New York: Cambridge University Press, 1979.) Hardcover £9.50; Paperback £9.95.
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- ELLIOTT, J.P., and DAWBER, P.G. *Symmetry in Physics, Vol.1: Principles and Simple Applications*. Pp.xix + 1-280-557 + vi. ISBN-0-333-26427-4. (London and Basingstoke: The Macmillan Press, Ltd., 1979.) Vol.1 £12.50; Vol.2 £28. The set £35.
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- HAWKING, S.W., and ISRAEL, W. *General Relativity: An Einstein Centenary Survey*. Pp.xviii + 919. ISBN-0-521-22285-0. (Cambridge, London and New York: Cambridge University Press, 1979.) £37.50.
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- LENER, D.E., and SOMMERS, P.D. (ed.). *Complex Manifold Techniques in Theoretical Physics*. (Research Notes in Mathematics: Sub-series in Mathematical Physics.) Pp.242. ISBN-0-273-008437-2. (London: Pitman Publishing, Ltd., 1979.) £9.50.
- NEGELE, J.W., and VO:GT, Erich (ed.). *Advances in Nuclear Physics, Vol.11*. Pp.xiv + 420. ISBN-0-306-40111-8. (New York and London: Plenum Press, 1979.)
- OLSON, C.L., and SCHUMACHER, U. (with contributions by). *Collective Ion Acceleration*. (Springer Tracts in Modern Physics/Ergebnisse der Exakten Naturwissenschaften, Vol.84.) Pp.vii + 231. ISBN-3-540-09066-5. (Berlin and New York: Springer-Verlag, 1979.) DM 68; \$37.40.
- PARKER, E.N. *Cosmical Magnetism: Their Origin and Their Activity*. (The International Series of Monographs on Physics.) Pp.xvii + 841. ISBN-0-19-851290-2. (Oxford: Clarendon Press; London: Oxford University Press, 1979.) £45 net.
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- WIETING, T.J., and SCHUTER, M. (ed.). *Electrons and Phonons in Layered Crystal Structures*. (Physics and Chemistry of Materials with Layered Structures.) Pp.x + 474. ISBN-90-277-0897-5. (Dordrecht, Boston, Mass. and London: D. Reidel Publishing Company, 1979.) Dfl.150; \$78.95.
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Chemistry

- ANTHONY, Arthur. *Guide to Basic Information Sources in Chemistry*. (Information Resources Series.) Pp.vii + 219. ISBN-0-470-26587-6. (New York and Chichester: Halsted Press, a Division of John Wiley and Sons, 1979.) £8.75.
- BARD, Allen J. (ed.). *Electroanalytical Chemistry: A Series of Advances, Vol.11*. Pp.xi + 370. ISBN-0-8247-6542-7. (New York and Basel: Marcel Dekker, Inc., 1979.) Sw.fr.100.
- BACKHURST, J.R., and HARKER, J.H. COULSON, J.M., and RICHARDSON, J.F. *Chemical Engineering, Vol.5: Solutions to the Problems in Chemical Engineering, Vol.2*. Pp.vii + 255. ISBN-0-08-022952-2. (Oxford and New York: Pergamon Press, 1979.) Flexi £6; Hard £12.50.
- BANKS, R.E. (ed.). *Organofluorine Chemicals and their Industrial Applications*. Pp.255. ISBN-85312-125-7. (Chichester: Ellis Horwood, Ltd., 1979. Distributed by Halsted Press, a Division of John Wiley and Sons, Brisbane; Rexdale, Ontario; Chichester and New York.) £17.50.
- BOCHKOV, A.F. and ZAIKOV, G.E. *Chemistry of the O-Glycosidic Bond: Formation and Cleavage*. Translation Editor: C. Schuerch. Pp.x + 210. ISBN-0-08-022949-2. (Oxford and New York: Pergamon Press, 1979.) \$30.

Technology

- ENGINEERING EQUIPMENT FOR FOUNDRIES. (Proceedings of the Seminar on Engineering Equipment for Foundries and Advanced Methods of Producing such Equipment, organized by the United Nations Economic Commission for Europe, Geneva, 28 November - 2 December 1977.) Pp.xviii + 499. ISBN-0-08-022419-9. (Oxford and New York: Pergamon Press, 1979.) Published for the United Nations.) £27.
- FYNN, G.W., and POWELL, W.J.A. *The Cutting and Polishing of Electro-optic Materials*. Pp.xv + 216. ISBN-0-85274-302-5. (Bristol: Adam Hilger, Ltd., 1979.) £25.
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