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hakrishna, eds. 803 pp. Wiley, New York, 1982 \$54.95

Chemistry and Physics of Solid Surfaces. Vol. 4. R. Vanselow, R. Howe, eds. 496 pp. Springer, New York, 1982. \$44.00. *compendium*

An Introduction to the Physics of Intense Charged Particles Beams. R. B. Miller. 351 pp. Plenum, New York, 1982. \$45.00. *graduate text*

Theory and Mathematical Physics

Fast Fourier Transform and Convolution Algorithms. Second Edition. H. J. Nussbaumer. 276 pp. Springer, New York, 1982. \$28.00. *reference*

Philosophic Foundations of Quantum Mechanics. Reprint. H. Reichenbach. 182 pp. Univ. of Cal. P., Berkeley, 1982. \$16.00

Introduction to Quantum Statistical Mechanics. N. N. Bogolubov, N. N. Bogolubov Jr. 299 pp. World Scientific, Singapore, 1982. \$28.00 cloth, \$16.00 paper. *text*

The Genesis and Evolution of Time: A Critique of Interpretation in Physics. J. T. Fraser. 205 pp. Massachusetts U.P., Amherst, Mass., 1982. \$20.00

Mathematical Methods in Hydrodynamics and Integrability in Dynamical Systems. Proceedings, Workshop, Scripps Institution, December 1981. M. Tabor, U. M. Treve, eds. 352 pp. AIP, New York, 1982. \$34.00

General Relativity and Matter: A Spinor Field Theory from Fermis to Light-Years. M. Sachs. 208 pp. Reidel (US dist. Kluwer, Boston, Mass.), 1982. \$90.00. *monograph*

Non-Perturbative Aspects of Quantum Field Theory. Proceedings, XIIIth International G. I. F. T. Seminar, Sant Feliu de Guixols, Spain, June 1981. J. Julve, R. Ramón-Medrano, eds. 259 pp. World Scientific, Singapore, 1982. \$21.00

Gauge Theories as a Problem of Constructive Quantum Field Theory and Statistical Mechanics. E. Seiler. 192 pp. Springer, New York, 1982. \$9.40. *lecture notes*

An Introduction to Gauge Theories and the 'New Physics.' E. Leader, E. Predazzi. 498 pp. Cambridge U.P., New York, 1982. \$65.00 cloth, \$27.50 paper. *graduate text*

Macrophysics and Geometry: From Einstein's Unified Field Theory to Cosmology. A. H. Klotz. 152 pp. Cambridge U.P., New York, 1982. \$39.50. *monograph*

Basics of Lie Groups. M. Gourdin. 215 pp. Editions Frontières, Gif sur Yvette, France, 1982. *price not stated. graduate text*

Thermo Field Dynamics and Condensed States. H. Umezawa, H. Matsumoto, M. Tachiki. 591 pp. North-Holland, New York, 1982. \$127.75. *graduate text*

Fourier Analysis of Numerical Approximations of Hyperbolic Equations. R. Vichnevetsky, J. B. Bowles. 140 pp. Society for Industrial and Applied Mathematics, Philadelphia, 1982. \$21.50. *reference*

Distributed Parameter Control Systems: Theory and Application. S. G. Tzafestas,

ed. 497 pp. Pergamon, New York, 1982. \$60.00. *reference*

Interfacial Aspects of Phase Transformations. Proceedings of the NATO Advanced Study Institute, Erice, Sicily, September 1981. B. Mutaftschiev, ed. 708 pp. Reidel (US dist. Kluwer, Boston, Mass), 1982. \$79.00

Stochastic Differential Equations on Manifolds. K. D. Elworthy. 326 pp. Cambridge U.P., New York, 1982. \$27.50. *graduate text*

Electricity, Magnetism and Fields

Electromagnetic Surface Modes. A. D. Boardman, ed. 776 pp. Wiley, New York, 1982. \$83.00. *compendium*

Student Texts and Popularizations

365 Starry Nights: An Introduction to Astronomy for Every Night of the Year. C. Raymo. 225 pp. Prentice-Hall, Englewood Cliffs, N. J., 1982. \$21.95 cloth, \$12.95 paper.

The Accidental Universe. P. C. W. Davies. 139 pp. Cambridge U.P., New York, 1982. \$19.95 cloth, \$9.95 paper.

Physics Demonstration Experiments at William Jewell College. W. A. Hilton. 104 pp. AAPT, New York, 1982. \$7.50. *undergraduate text*

Miscellaneous

The Truth About Uri Geller. J. Randi. 235 pp. Prometheus, New York, 1982. \$8.95

Corrections

An Introduction to Error Analysis, by John S. Taylor, whose cover, reproduced here in November, shows a train passing through the Gare de L'Ouest, is published by University Science Books, 20 Edgeville Rd., Mill Valley, CA 94941 and costs \$9.50 (paper) and \$15.00 (cloth).

Prices supplied us and listed in October for astronomy books published by Reidel and distributed by Kluwer were wrong. The following are the correct prices:

Automated Data Retrieval in Astronomy. \$48.00

Classics in Radio Astronomy. \$59.50

The Orion Complex. \$59.50

The Nature of Symbiotic Stars. \$43.50

Sun and Planetary System. \$65.00

Supernovae. \$69.00

Progress in Cosmology. \$54.50

Binary and Multiple Stars as Tracers of Stellar Evolution. \$67.50

Instrumentation for Astronomy with Large Optical Telescopes. \$48.00

Reports on Astronomy: IAU Transactions, Vol. XVIII. \$67.50