33[65–06].—ROLAND GLOWINSKI, GENE H. GOLUB, GÉRARD A. MEURANT & JACQUES PÉRIAUX, *First International Symposium on Domain Decomposition Methods for Partial Differential Equations*, SIAM, Philadelphia, 1988, x+431 pp., 26 cm. Price $48.50.

This is the proceedings of a symposium on the subject of the title of this volume. It consists of 22 papers by invited speakers. The papers presented were not subject to the refereeing process. The topics of the articles include theoretical foundations, applications to physical problems, related techniques such as block relaxation and computer implementation of decomposition algorithms.

J. H. B.

34[33–06, 33A65, 41–06, 42C05].—M. ALFARO, J. S. DEHESA, F. J. MARCELLAN, J. L. RUBIO DE FRANCIA & J. VINUESA (Editors), *Orthogonal Polynomials and Their Applications*, Lecture Notes in Math., vol. 1329, Springer-Verlag, Berlin, 1988, xv+334 pp., 24 cm. Price $28.60.

These are the proceedings of the Second International Symposium on Orthogonal Polynomials and their Applications held in Segovia, Spain, September 22–27, 1986. (For the first symposium, see [1].) The volume contains nine invited lectures, covering analytic and group-theoretic aspects of orthogonal polynomials and applications to approximation theory. In addition, there are 13 contributed papers and a collection of open problems.

W. G.

1. C. BREZINSKI, A. DRAUX, A. P. MAGNUS, P. MARONI & A. RONVEAUX (eds.), *Polynômes Orthogonaux et Applications*, Lecture Notes in Math., vol. 1171, Springer, Berlin, 1985. (Review **23**, *Math. Comp.*, v. 49, 1987, pp. 305–306; Corrigendum, *ibid.*, v. 50, 1988, p. 359.)

35[65–06, 68–06].—GARRY RODRIGUE (Editor), *Parallel Processing for Scientific Computing*, SIAM, Philadelphia, 1989, 428 pp., 25 $\frac{1}{2}$ cm. Price $45.00.

These are the proceedings of the Third SIAM Conference on Parallel Processing for Scientific Computing held in Los Angeles, California, December 1–4, 1987. The papers (and in some cases abstracts only) of 14 invited lectures and 76 contributed talks are arranged in seven parts: Matrix Computations, Numerical Methods, Differential Equations, Scientific Applications, Languages, Software Systems, and Architectures.

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