

with GLIM modelling methods for a greater variety and complexity of survival models.

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**17[76-06, 76T05].**—JOSÉ FRANCISCO RODRIGUES (Editor), *Mathematical Models for Phase Change Problems*, Internat. Ser. Numer. Math., Vol. 88, Birkhäuser, Basel, 1989, x+410 pp., 24 cm. Price \$76.00.

These are the proceedings of a workshop held at Óbidos, Portugal, October 1–3, 1988. There are 20 contributions, organized in three chapters entitled: Generalized Phase Changes, Stefan Problems, and Miscellaneous Problems. While the emphasis is on mathematical modeling, several contributors also address computational issues.

W. G.

**18[65-06, 65Dxx].**—TOM LYCHE & LARRY L. SCHUMAKER (Editors), *Mathematical Methods in Computer Aided Geometric Design*, Academic Press, Boston, 1989, xv+611 pp., 23  $\frac{1}{2}$  cm. Price \$49.95.

This volume grew out of an international conference on the topic of the title, held at the University of Oslo, Norway, June 16–22, 1988. Its content is accurately described on the back cover of the book: "The volume contains survey papers as well as full-length research papers. The mathematical objects discussed include univariate and multivariate splines, algebraic curves, rational curves and surfaces, Bézier curves and surfaces, and finite elements. The topics treated include scattered data interpolation, geometry processing, convexity and shape preservation, subdivision, knot insertion and removal, knot selection for parametric curves, geometric continuity, and cardinal interpolation."

W. G.

**19[68U30, 68N05].**—DAVID V. CHUDNOVSKY & RICHARD D. JENKS (Editors), *Computer Algebra*, Lecture Notes in Pure and Applied Mathematics, Vol. 113, Marcel Dekker, New York and Basel, 1989, ix+240 pp., 25  $\frac{1}{2}$  cm. Price: Softcover \$99.75.

The book consists of a collection of articles related to the Conference on *Computer Algebra as a Tool for Research in Mathematics and Physics*, held at New York University in April 1984. This conference was the first of the *Computers & Mathematics* series, the latest of which was held at Massachusetts Institute of Technology in July 1989. The papers cover a diverse range of subjects with the emphasis on either computer use to carry out mathematical