
R. Albrecht, G. Alefeld, H. J. Stetter (eds.)

Validation Numerics

Theory and Applications

Springer-Verlag Wien New York



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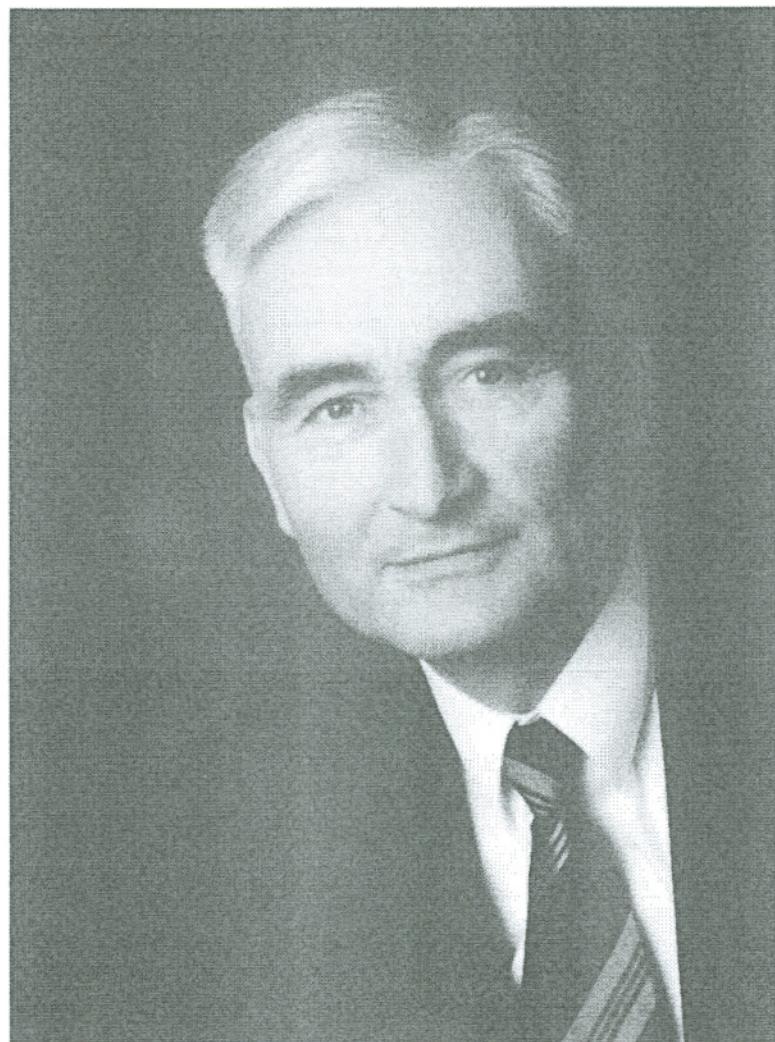
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H. Knirsch

Preface

This volume is dedicated to Professor Dr. Ulrich Kulisch, Director of the Institute for Applied Mathematics of Karlsruhe University, on the occasion of his 60th birthday.

The contributions give a comprehensive overview of methods which can be effectively used for the validation of the solutions of a variety of problems. These include simultaneous systems of linear and nonlinear equations, differential and integral equations, and certain applications from the technical sciences. Furthermore there are some papers which present improvements of the tools of Validation Numerics.

All papers have been refereed. We wish to thank the contributors for their manuscripts and the referees for their prompt and careful reviews. We are also grateful to the Publisher, Springer-Verlag, Wien for an efficient and quick production of this volume.

Last but not least we want to thank Professor Kulisch to whom we owe so much in the field of Validation Numerics. Without his pioneering work, most of the papers in this volume would not have been written.

Innsbruck/Karlsruhe/Vienna,
February 1993

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Contents

Apostolatos, N.: On a Unified Concept of Mathematics	1
Atanassova, L., Herzberger, J.: A General Approach to a Class of Single-Step Methods for the Simultaneous Inclusion of Polynomial Zeros	11
Dimitrova, N.: On Some Properties of an Interval Newton Type Method and its Modification	21
Dobner, H. J.: Verified Solution of the Integral Equations for the Two-Dimensional Dirichlet and Neumann Problem	33
Frommer, A., Mayer, G.: Two-Stage Interval Iterative Methods	45
Han, W., Potra, F. A.: Convergence Acceleration for Some Rootfinding Methods . .	67
Heindl, G.: A Program for Enclosing Cumulative Binomial Probabilities	79
Jahn, K.-U.: Effective Evaluation of Hausdorff Distances for Finite Unions of Hyperrectangles	93
Kaucher, E., Baumhof, C.: A Verified Computation of Fourier-Representations of Solutions for Functional Equations	101
Kearfott, B., Du, K.: The Cluster Problem in Global Optimization: The Univariate Case	117
König, S., Ullrich, C. P.: Developing Expert Systems for Validating Numerics	129
Krämer, W., Barth, B.: Computation of Interval Bounds for Weierstrass' Elliptic Function $\wp(z)$	147
Nakao, M. T.: Solving Nonlinear Elliptic Problems with Result Verification Using an H^{-1} Type Residual Iteration	161
Neumaier, A.: The Wrapping Effect, Ellipsoid Arithmetic, Stability and Confidence Regions	175
Rump, S. M.: Validated Solution of Large Linear Systems	191
Schwandt, H.: The Interval Buneman Algorithm for Arbitrary Block Dimension	213
Spreuer, H., Adams, E.: On the Existence and the Verified Determination of Homoclinic and Heteroclinic Orbits of the Origin for the Lorenz Equations	233
Stetter, H. J.: Verification in Computer Algebra Systems	247
Walter, W. V.: FORTRAN-XSC. A Portable Fortran 90 Module Library for Accurate and Reliable Scientific Computing	265
Wolff von Gudenberg, J.: Implementation of Accurate Matrix Multiplication on the CM-2	287

Listed in Current Contents