

Still available...

Acta Numerica 1992

Contents

Wavelets *Ronald A. DeVore, and Bradley J. Lucier*

Iterative solution of linear systems

R. W. Freund, G.H. Golub and N.M. Nachtigal

Problems with multiple time scales *Heinz-Otto Kreiss*

Numerical methods for differential-algebraic equations

Roswitha März

Theory of algorithms for unconstrained optimization
calculations *J. Nocedal*

Numerical Hamiltonian dynamics *J.M. Sanz-Serna*

Error analysis of boundary integral methods *Ian H. Sloan*

Interior point methods *Margaret H. Wright*

ISBN 0 521 41026 6

Available from your local bookstore or

For orders in North America, contact: Cambridge University Press,
40 West 20th Street, New York, NY 10011-4211, USA

Telephone orders: 1 800 872 7423

For orders outside North America, contact: Cambridge University
Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2
2RU, England.

Acta Numerica 1993

CONTENTS

Continuation and path following

Eugene L. Allgower and Kurt George

Multivariate piecewise polynomials

C. de Boor

Parallel numerical linear algebra

James W. Demmel, Michael T. Heath and Henk A. van der Vorst

**Linear stability analysis in the numerical solution of
initial value problems**

J.L.M. van Dorsselaer, J.F.B.M. Kraaijevanger and M.N. Spijker

Finite element solution of the Navier-Stokes equations

Michel Fortin

Old and new convergence proofs for multigrid methods

Harry Yserentant

Acta Numerica is an annual publication containing invited survey papers by leading researchers in a number of areas. The papers present overviews of recent developments in their area and provide 'state of the art' techniques and analysis.

Cover design by James Butler

CAMBRIDGE
UNIVERSITY PRESS

ISSN 0962-4929

ISBN 0-521-44356-3



9 780521 443562