Archivum Mathematicum

News and Notices. Equadiff 6 Proceedings

Announcements

New publications

EQUADIFF 6, Proceedings of the International Conference on Differential Equations and their Applications held in Brno, Czechoslovakia, August 26–30, 1985.

Edited by Jaromír Vosmanský, University of J. E. Purkyně, Brno and Miloš Zlámal, Technical University, Brno.

Two slightly different parallel editions of this book were published. The Springer-Verlag edition contains 9 plenary lectures and 48 main lectures in sections representing the substantial part of lectures presented at the Conference and the list of 251 additional papers presented as communications in subsections, at the poster session or in the form of enlarged abstracts. (Lecture Notes in Mathematics 1192, XX, 428 pp., DM 65,–).

The Equadiff 6 edition for the participants of the conference and for the socialist countries contains also Supplement, consisting of 7 additional contributions not fully compatible with the conditions for the Lecture Notes publications (XX, 468 pp., Kčs 150,–, available at Artia, Ve Smečkách 30, 111 27 Praha, Czechoslovakia, or at University of J. E. Purkyně, Department of Mathematics, Janáčkovo nám. 2a, 662 95 Brno, Czechoslovakia.)

From the contents: F. Brezzi: *Recent results in the approximation of free boundaries.* – M. Feistauer: *Critical point theory and nonlinear differential equations.* – A. Friedman: *Free boundary problems in fluid dynamics.* – J. Kačur: *Method of Rothe in evolution equations.* – A. Kufner: *Boundary value problems in weighted spaces.* – J. Mawhin: *Critical point theory and nonlinear differential equations.* – F. Neuman: *Ordinary linear differential equations – a survey of the global theory.* – K. Rektorys: *Numerical and theoretical treating of evolution problems by the method of discretization in time.* – H. J. Stetter: *Algorithms for the inclusion of solutions of ordinary initial value problems.* – V. Thomée: *Error estimates for finite element methods for semilinear parabolic problems with nonsmooth data.* – H. Triebel: *Recent developments in the theory of function spaces.*