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Book Reviews. EQUADIFF IV. Proceedings

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BOOK REVIEWS

EQUADIFF IV. Proceedings, Prague 1977. Edited by Jiří Fábera, Lecture Notes in Mathematics, Springer-Verlag, Berlin—Heidelberg—New York 1979, xix + 441 fig., price \$ 21,30.

This volume collects lectures of the Czechoslovak Conference on Differential Equations and Their Applications — Equadiff IV — held in Prague from August 22 to August 26, 1977. It was organized by the Mathematical Institute of the Czechoslovak Academy of Sciences in cooperation with the Faculty of Mathematics and Physics of the Charles University in Prague, the Faculty of Science of the Comenius University in Bratislava, the Czech Technical University in Prague and the Technical University in Brno. These conferences have already their tradition and the character of Equadiff IV was similar to that of previous conferences Equadiff held in Prague (1962), in Bratislava (1966) and in Brno (1972). More than 300 mathematicians from 24 countries took part in the conference (among them more than 150 from abroad). The scientific program (with the exception of 5 plenary addresses) took place in three sections:

1. Ordinary Differential Equations,
2. Partial Differential Equations,
3. Numerical Methods and Applications.

The proceedings contain a list of all lectures and scientific communications and the texts of almost all plenary addresses and invited lectures (H. Amann, O. Axelsson, D. D. Bainov and S. D. Milusheva, J. W. Bebernes, I. Bihari, O. Borůvka, J. Brilla, G. Capriz, E. A. Coddington, R. Conti, J. Descloux, N. Nassif and J. Rappaz, V. Dragan and A. Halanay, S. Dümmel, S. Fučík, H. Gajewski, R. Gamkrelidze, W. S. Hall, W. Hansen, P. Hess, I. Hlaváček, V. Il'in, J. Kačur, G. A. Kamenskij and A. D. Myshkis, R. Klötzer, H. W. Knobloch, J. Král, A. Kufner, J. Kyncl and I. Marek, O. A. Ladyženskaja, J. Mawhin, V. G. Maz'ya, J. Mika, U. Mosco, J. Nečas, J. Nedoma, F. Neuman, J. A. Nohel, O. A. Oleinik, P. H. Rabinowitz, K. Rektorys, Yu. Ryabov, Š. Schvabik and M. Tvrđý, V. Šeda, M. Sova, U. M. Sultangazin, M. Švec, J. Tauber and E. Vításek, H. Triebel, I. Vrkoč). These lectures represent many branches belonging to differential equations in the broad sense and give a good survey of the present state of research in this field.

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