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Book reviews. Proceedings of the Equadiff III

BOOK REVIEWS

PROCEEDINGS OF THE EQUADIFF III. Third Czechoslovak Conference on Differential Equations and Their Applications. Purkyně University, Brno 1973. 284 pages. Price US $ 10.00.

Continuing the tradition of the first two Conferences, held in Prague 1962 and in Bratislava 1966, this third Conference took place in Brno from August 28 to September 1, 1972, and was organized by the Purkyně University Brno and by the Czechoslovak Academy of Sciences.

The Conference was attended by 262 participiants, 109 of them from abroad. At the Conference 9 one-hour lectures were presented; the Proceedings contain 7 of them held by J. H. BRAMBLE (USA), J. DESCLOUX (Switzerland), W. N. EVERITT and M. GIERTZ (United Kingdom and Sweden), N. N. JANENKO (USSR), E. MAGENES (Italy), M. SOVA (Czechoslovakia) and E. A. VOLKOV (USSR) and beside that the lecture of L. MARKUS (United Kingdom) which was not delivered at the Conference. Further, 27 from the total of 31 half-hour lectures are included in the Proceedings; these lectures were held simultaneously in three sections: A. Ordinary Differential Equations (11 lectures; 9 are included), B. Partial Differential Equations (9; 7), C. Numerical Methods and Applications (11; 11). The book is closed by a list of 119 communications presented in the sections (A — 43 communications; B — 42; C — 34), and by a general time schedule of the Conference.

It is not possible to describe here the contents of all the lectures included in the Proceedings. In general it can be said that they cover a broad field of problems investigated in the domain of differential equations and their applications. Appearing relatively soon after the Conference, the Proceedings present a good survey of the contemporary state of the research.

The contents of the Proceedings is naturally non homogeneous which is caused by the fact that each of the 41 authors has his own opinion how a lecture should be presented. But also the editors of the Proceedings participate on this inhomogenity. E.g., the actual lecturer is not always indicated in contributions of several authors; or a lecture, included in the Proceedings, is mentioned also in the list of short communications.

These defects, however, do not influence the value of the Proceedings whose appearance should be welcome by all specialists.

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