

## Interval Subjects on the SCAN-1991 Symposium

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From October 1 to 4, 1991 the IMACS-GAMM International Symposium on Computer Arithmetic and Scientific Computation (SCAN-91) took place at the University of Oldenburg (Germany). Organizing chairman was Prof. Dr. J. Herzberger, Oldenburg. Among the themes of the symposium were such as "enclosure methods" and "interval arithmetic algorithms".

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The symposium was attended by 123 scientists of the following countries: Austria (4), Brasil (1), Bulgaria (7), Czechoslovakia (2), Denmark (2), France (1), Germany (86), Hungary (1), Japan (3), Malaysia (1), Poland (1), Switzerland (4), USA (6) and USSR (2).

74 talks were given at the symposium and 9 of them were invited lectures. Invited talks were presented by the following persons (ordered according to the scheduled time): Prof. P. Linz (Davis, USA), Prof. Dr. Ch. Ullrich (Basel, Switzerland), Doz. Dr. G. Mayer (Karlsruhe, Germany), Prof. Dr. J. Albrecht (Clausthal, Germany), Prof. Dr. G. F. Corliss (Ann Arbor, USA), Dr. H.-J. Dobner (Karlsruhe, Germany), Prof. Dr. S. Godunov (Novosibirsk, USSR), Prof. Dr. F. A. Potra (Iowa City, USA) and Prof. D. Matula (Dallas, USA).

Many talks were dealing with interval arithmetic subjects or implementation of interval algorithms. Areas, which were covered by contributions are: inclusion methods for eigenvalues, ODE's and PDE's, linear systems, nonlinear equations (especially polynomial roots) and optimization problems. On the last day, an open meeting of the IMACS-GAMM Working Group on computer Arithmetic was lead by Prof. D. Matula.

Selected manuscripts of presented talks will appear in the proceedings as a special volume of the IMACS Annals of Computing and Applied Mathematics (J.C. Baltzer AG, Basel).

The next SCAN-symposium will be the SCAN-93 in Vienna (Austria) in 1993 at the Technical University Vienna (Prof. Dr. Hans J. Stetter).

Jürgen Herzberger