

Interval Mathematics and Its Applications

Workshop

At a 26-31 of May, 1992, Workshop on Interval Mathematics was held in restful place near Abrau-Dyurso, the Black Sea coast of the Krasnodar region. The Workshop was held within the framework of the 4-th School on Numerical Methods in Continuum Mechanics.

Organizing chairman of the School was Prof. Dr. V. V. Shaydurov (Krasnoyarsk).

The Organizer of the Workshop was Dr. B.S.Dobronets (Krasnoyarsk).

The Workshop was attended by the 14 participants of the towns: Moscow, St.-Petersburg, Krasnoyarsk, Novosibirsk, Saratov, Lvov and Zaporozhye.

The following talks were given at the Workshop:

1. Yakovlev A.G. (Moscow) "PASCAL-XSC and other languages for programming of interval computations".
2. Zyuzin V.S. (Saratov) "Some interval analysis problems".
3. Menshikov G.G. (St.-Petersburg) "On the constructing of the concluding set for interval integration of ordinary differential equations".
4. Musaev E.A. (St.-Petersburg) "The accurate interval approach to the linear programming problem".
5. Nesterov V.M. (St.-Petersburg) "On the publishing activities".
6. Vasilega N.M., Kozina G.L., Krishuk V.N. (Zaporozhye) "The li-

brary of the interval operations and functions for programming system FORTRAN-77".

7. Senio P.S. (Lvov) "On the constructing and the researching some interval iterative methods for solving of non-linear equations systems".

8. Vengersky P.S. (Lvov) "An interval method application for solving some boundary and edge problems".

9. Rogalev A.N., Novikov V.A. (Krasnoyarsk) "Converging numerical including methods for solving of ODE-systems with interval data".

10. Shary S.P. (Krasnoyarsk) "Algebraic approach to linear tolerance problem".

11. Semenov A.L. (Novosibirsk) "Universal solver for interval problems".

Some talks were given in the conference room and others on the beach. In spite of the semiformal atmosphere (or thanks to it) the discussions of lectures had a creative, work nature.

The organizers gave participants the opportunity to visit the Museum of viticulture and vine-growing in Abrau-Dyurso.

At the banquet, where all the participants of the School gathered and rallied:

- a decision was made to extend the tradition of periodic meetings;
- a desire was voiced to maintain devotion to science in spite of economic difficulties.

As for the Workshop, the presence of the new participants enlivened discussions and created the base for new contacts. In particular, interval mathematics researchers from Lvov proposed to call the next Workshop on Interval Mathematics in autumn, 1993, near Lvov.

Galina L. Kozina