

CHRONICLES

ALL-UNION SEMINAR ON INVERSE HEAT-CONDUCTION PROBLEMS AND ANALYSIS OF DATA FROM THERMAL EXPERIMENTS

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An All-Union Seminar on Inverse Heat-Conduction Problems and Analysis of the Data from Thermal Experiments was held March 19-21, 1974, at the Sergo Ordzhonikidze Moscow Order-of-Lenin Aviation Institute. This seminar was held in accordance with the recommendations of the Fourth All-Union Conference on Heat and Mass Transfer and the plans of the Section on Analytic Calculation Methods for Heat and Mass Transfer of the Scientific Council on Heat and Mass Transfer in Technological Processes, State Committee of the Council of Ministers of the USSR on Science and Technology. Participating in the seminar were Academician A. N. Tikhonov and 30 professors and doctors of science — in all, about 300 representatives from 14 Soviet cities.

Five sections worked at the seminar:

- I) Inverse boundary-value problems of heat conduction;
- II) Methods for determining the thermal and related properties of materials;
- III) General questions of heat and mass transfer in experimental research;
- IV) Automatization and methods and apparatus for thermal research;
- V) Mathematical questions of simulation, and interpretation of data in thermal processes.

About 60 reports and communications were delivered to the sessions of the sections; in addition, plenary sessions heard reviews and reports on special problems by A. N. Tikhonov, B. M. Pankratov, T. L. Perel'man, O. M. Alifanov, Yu. V. Polezhaev, V. A. Morozov, and others.

In the course of the seminar, the Section on Analytic Calculation Methods for Heat and Mass Transfer, Scientific Council on Heat and Mass Transfer in Technological Processes, held a session. A resolution adopted in this session stated that it would be advantageous to hold All-Union seminars on inverse and related problems of heat transfer periodically, once a year.

The second seminar is planned for 1976.

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