

Papers accepted for publication in future issues

- B. GEBHART: Surface temperature calculations in radiant surroundings of arbitrary complexity—for gray, diffuse radiation
- E. Y. NEKHENDZI: Method of a regular regime for the determination of variable thermal coefficients
- H. L. EVANS: Mass transfer through laminar boundary layers—6. Methods of evaluating the wall gradient (b'_0/B) for similar solutions; some new values for zero main-stream pressure gradient
- H. L. EVANS: Mass transfer through laminar boundary layers—7. Further similar solutions to the b -equation for the case $B = 0$
- A. A. ZHUKAUSKAS and A. B. AMBRAZYAVICHYUS: Heat transfer of a plate in a flow of a liquid
- BERNARD LE FUR: Convection de la chaleur dans un gaz en régime laminaire dans le cas d'un gradient de pression et d'une température de paroi quelconques
- E. M. SPARROW and R. D. CESS: The effect of a magnetic field on free convection heat transfer
- R. A. SEBAN and L. H. BACK: Velocity and temperature profiles in a wall jet
- T. L. PERELMAN: On conjugated problems of heat transfer
- B. V. KANTOROVICH and G. N. DELYAGIN: Heat and mass transfer in the process of fuel combustion in an air stream

Minsk Conference Issue

- A. V. LUIKOV: The first all-union conference on heat and mass transfer
- J. P. HARTNETT and C. GAZLEY: A generalized presentation of mass transfer cooling for laminar flow over a flat plate
- V. I. SUBBOTIN, M. K. IBRAGIMOV, M. N. IVANOSKY, M. N. ARNOL'DOV and E. V. NOMOFILOV: Turbulent heat transfer in a flow of liquid metals
- S. R. DE GROOT: On the thermodynamics of irreversible heat and mass transfer
- S. S. KUTATELADZE: Heat transfer with boiling
- D. B. SPALDING: Heat and mass transfer between the gaseous and liquid phases of a binary mixture
- P. V. TSOI: Analytical solutions of a set of equations of heat and mass transfer for a semi-restricted medium at different boundary conditions
- L. A. VULIS, T. P. LEONT'EVA, Z. B. SAKIPOV and B. P. USTOMENKO: Transfer processes in a free (jet) turbulent boundary layer
- A. J. EDE: The heat transfer coefficient for flow in a pipe
- I. P. GINZBURG: On possible methods of solving boundary layer problems in the presence of dissociation and diffusion