

## CONTENTS LISTS

### JOURNAL OF ENGINEERING PHYSICS

(Published in the U.S.S.R. in Russian with English abstracts)

Volume VIII, No. 2

February, 1965

	<i>Page</i>
Introduction	143
P. M. BRDLIK and V. K. SAVIN: Heat exchange between an axi-symmetrical stream and a plate normal to the flow	146
V. P. TITOV: Heat conditions of air-penetrable joints	156
A. V. LUIKOV: Mass and heat transfer in building materials	161
I. P. ZHUK and L. I. PISARCHIK: Heat transfer in building enclosing constructions	170
V. V. MALOZYEMOV and I. A. TURCHIN: Methods for determination of temperature fields by the interferometer	182
V. F. ROZHNOV: On interpretation of interferograms in studies of gaseous impurity concentration fields	186
G. G. EREMEEV and T. K. KRASOVSKAYA: Application of annual temperature gradient to design building constructions with account for climatic influence	190
V. K. FYEDOROV: An engineering method for calculation of convective heat transfer in unseparated gas flow round bodies	198
L. T. BYKOV and V. V. MALOZYEMOV: Some relations of temperature distribution in limited volumes with internal heat convection	204
L. T. BYKOV: Estimation of velocity of natural air convective currents in a limited space	208
V. M. KAZANSKY: Temperature dependence of moisture-transfer potential in capillary-porous bodies	211
V. N. BOGOSLOVSKY: On moisture potential	216
V. M. ILIINSKY: Transfer coefficients of water vapour for calculation of moist state of building enclosing parts	223
P. M. BRDLIK and V. A. MOCHALOV: Porous blowing and suction with free convection at a vertical surface (a laminar boundary layer)	229
YA. M. VIZEL and I. L. MOSTINSKY: Curving of a stream in a retracting flow	238
P. M. BRDLIK, I. A. KOZHINOV and N. G. PETROV: Experimental study of heat and mass transfer in water vapour condensation from humid air on a vertical surface under natural convection	243
E. I. TERTICHNIK: Determination of moisture characteristics by the method of "a sectional column"	247
V. L. SHEVELKOV: Thermal properties of outside walls of buildings	251
A. ALUMYAE: A method for investigation of moisture migration in outside walls of buildings	255
YA. N. BASIN, R. A. MAKAROV and N. V. SELEZNYEV: Choice of optimal parameters for radioisotope devices used in thermophysical investigations	257
P. M. BRDLIK and B. S. MEZHEVNIKOV: Transient heat regime for water-covered roofs	263
P. M. BRDLIK and I. A. TURCHIN: The effect of discretely distributed air blowing and suction on natural-convection heat transfer at a vertical surface	268
A. L. USOV: Investigation of contact heat transfer on the floor surface	273
A. G. GINDOYAN: On the equivalent thermal activity coefficient of floor designs	275