CONTENTS LIST

JOURNAL OF ENGINEERING PHYSICS

Volume V, No. 6 June,	1962
	Page
V. S. Pelevin: The change in the length of the combustion zone of a homogeneous mixture in a turbulent flow	2
as a function of pressure	3
A. P. BASKAKOV and A. S. PESTRYAEV: The laws of pseudo-liquefaction of a polydisperse material	8
B. S. SAZHIN: The basic factors governing the process of drying paste-like materials in conditions existing in ribbon dryers	13
L. M. ZYSINA-MOLOZHEN: The calculation of a thermal boundary layer in a compressible gas flow	21
V. I. Kofanov: The criterial equation of heat transfer of liquid suspensions	27
N. Y. TAITS and V. I. Gubinsky: The calculation of the process of dross formation during heating and cooling	
of metal	32
V. E. MIKRYUKOV and N. M. Speransky: Heat conduction and specific electrical resistance of nickel-zinc	
ferrites	38
V. Y. Chekhovskoi: Heat capacity and enthalpy of molybdenum in the temperature interval 0–2500°C	43
A. V. Bulyga and T. N. Abramenko: The effect of the temperature gradient in the body of a thermister data	15
unit on the error in semiconductor instruments	48
E. V. DONAT: A method of calculating the concentration of solid particles transported by a gas flow along hori-	
zontal pipe lines	55
G. M. LOMIZE, A. M. GUTKIN and N. V. ZHUKOV: The measurement of the conditionally instantaneous modulus	
of elasticity in cohesive soils	61
R. A. Muller: The determination of elastic strains in a slightly cohesive medium	67
P. I. Khristichenko: Unsteady temperature field and thermoelastic stresses in a plate	73
S. N. PLYAT: The solution of problems of unsteady heat conduction of hollow cylinders by the Greenberg	0.1
method (Method of finite integral transformations)	81
Notes	
A. I. Chaplina: The application of the regular conditions method to the investigation of heat transfer of a	
plate during forced turbulent streamlining	88
I. R. KRICHEVSKY, N. E. KHASANOVA and M. V. KALSINA: Diffusion near the critical point in a stratified tri-	
ethylamine-water-phenol system	93
N. M. KUZNETSOV: The kinetics of chemical reactions with expansion of air	97
N. N. Shipkov: The modelling of non-stable dusty flows	102
M. A. Goldshtik: An approximate calculation of ideal efficiency of a cyclone	105
A. V. Sidorov: The phenomenon of electro-osmosis in the dehydration of concrete	110
V. I. DOVNOROVICH: A stationary problem of the heat conduction theory Discussion	115 118
Discussion	110
Criticism and Bibliography	
P. K. Konakov: The similarity theory and its application to thermotechnics	132
Obituary: Jakov Michailovich Miniovich	136
G. D. RABINOVICH: International Journal of Heat and Mass Transfer	138