CONTENTS LIST

JOURNAL OF ENGINEERING PHYSICS

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

Volume X, No. 5 May, 1	966
	Pag
B. A. KOLOVANDIN: Some results of the experimental study of the structure of electrically conducting turbulent liquid flow	
E. V. KUDRYAVTSEV and I. A. TURCHIN: The dependence of transient heat transfer on heat flux	56 57
Yu. A. Zagromov and A. S. Lyalikov: Free-convection heat transfer in a horizontal cylindrical sublayer with	31
different locations of the fuel element	57
A. I. Leon'ev and V. K. Fyedorov: Experimental study of convective heat transfer in a gas flow in a starting portion	,
of a cylindrical tube	58-
K. I. STRAKHOVICH and S. L. LUR'E: Approximate solution of the laminar boundary-layer equations of a non-New-	
tonian liquid flow past a flat plate	59:
V. M. BRODYANSKII and N. V. KALININ: The mass flow exergy with changing parameters of the surrounding medium	59
V. K. MIGAI: Artificial turbulization of a flow in a tube bundle	600
B. A. ARKAD'V: An approximate calculation of free-convection heat transfer in a rectangular region	60
G. B. U'LESKII: On the choice of an average heat flux at the fuel element surface of pressurized water reactor	61
F. A. AGAFONOVA and B. S. FILIPPOVICH: Burnout heat fluxes in a low-pressure high-velocity steam-water mixture flow	620
R. E. KRZHIZHANOVSKII and I. D. SKURATOVA: Experimental study of the wall temperature effect on the axis tem-	02
perature of an electric arc	620
M. D. TARNOPOL'SKII and G. I. KHROMUSHIN: On parameters of a plane stalled flow	62
V. I. BUDNIKOV and A. V. SERGIEVSKII: Dynamic analysis of a system of parallel boiling channels	63
V. V. CHUKIN and R. F. KUZNETSOV: Aerodynamics of moving and fixed beds at high superficial velocities	638
V. I. KISLYKH: Fluctuation of the number of solids in a bed fluidized by liquid	64
A. A. AKHROMENKOV and A. S. KRUGLOV: Determination of solids velocity in a fluidized bed by the tracer method	649
A. M. Grishin: Application of the method of integral relations to the solution of problems of the inflammation	
theory	65.
G. G. Golov: Transient heat conduction of a thin rod with a uniformly moving fusion boundary or thermally insulated boundary	660
A. M. Fain: Application of the variation method for solution of heat-conduction problems with internal heat sources	66
A. M. I AIN. Application of the variation method for solution of heat-conduction problems with methal heat sources	00
Letters to the Editor	
V. N. Podymov and D. S. Kayumova: A note on vortex occurrence in vibration combustion	676
N. A. SMUROVA: Some unsteady-state problems of the heat conduction theory for a two-layer half-space	678
I. KHOMYAK: On the mechanism of decay of jets into coarse drops. Remarks on the paper by M. I. VIVDENKO and	
K. N. Shabalin (E.P. J. Engng Phys. VIII, No. 4, 1965)	68
Review	
G. A. Ostroumov: Electric convection	683
G. A. Garkoumov. Electric convection	00.
Chronicle	
On the 2nd All-Union Scientific-Engineering Conference on Drying Intensification in Chemical and Allied Branches	(0)
of Industry	690
Reader's Guide	
International Journal of Heat and Mass Transfer: Vol. 9, No. 1 (January 1966)	703