

The Effect of the Properties of the Calorimetric Element on the Results of Measuring Heat Fluxes, by V. L. Sergeyev.

RUSSIAN, per, Inzh-Fiz Zh, No 4, 1968.

International Chemical Engineering

Vol 9, No 2, Apr 1969

Available from Am Inst Of Chem Engrs

June 69

383,460

Hydraulic Resistance at Turbulent Movement
of Finely Dispersed Dust Laden Air, by
S. Ye. ~~_____~~.
RUSSIAN, per, Inzhenerno-Fiz Zh, No 4,
1968, pp 633-638.
FTD-S-545 216 6.9

May 69

380,898

Solution of a Mixed Boundary Value Problem for
Thermal Conductivity in a Composite Rectangle,
by K. S. Strelkova.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 14, No 4, 1968, pp 645-650.
FTD HT Special 573-69

nov 69

395,411

Properties of Metals Applied to a Base by
the Plasma Method, by Ye. V. Smirnov,
Ye. Ye. Shklyarevskiy.
RUSSIAN, per, Inzhenerno-Fiz Zhurnal, Vol
14, No 4, 1968, PP 705-710.
FTD-S-221 38-69

Feb 69

374,433

Calculation of Parameters of a Di-Phase
Mixture when Flowing in a Channel of
Variable Section, by N. V. Pashatskiy.
RUSSIAN, per, Inzhenerno-Fiz Zhurnal,
Vol 14, No 4, 1968, pp 722-725.
FTD-S-478 151-69

378,661

Mar 69

Modelling of the non-isothermal Steady-state
Flow of a real Gas in a Pipeline on an Ana-
log Computer, by V. B. Krivonosov.
RUSSIAN, per, Inzhenerno-Fiz Zh, No 5, 1968.
International Chemical Engineering
Vol 9, No 2, 1969 Apr
Available from Am Inst of Chem Engrs

June 69

383,459

Photoelectric Attachment for Measuring Plasma
Temperature, by V. Ye. Kukonin.
RUSSIAN, per, Inzhenemo-Fizichaskiy Zhurnal,
Vol 14, No 5, 1968, pp 890-894.
FTD HT Special 240-69

sept 69

392,989

Effect of Surface Tension and Viscosity of a
Liquid on closing of Cavitation Pocket, by
Yu. L. Levkovskiy, et al.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 14, No 5, 1968, pp 903-908.
FTD ITT Special 532=69

oct 69

395,320

The Propagation of a Fan-Shaped Turbulent
Jet Along Plane and Concave Surfaces of a
Solid, by V. G. Goman.

RUSSIAN, per, Inzhenerno-Fiz Zhurnal,
Vol 14, No 5, 1968, pp 909-914.

FTD-S-300 4-69

Mar 69

376,162

Investigation of Heat Exchange with Boiling
Water Delivered to the Heating Surface by a
Capillary Porous Body at Low Pressures, by

T. A. Kolach.

RUSSIAN, per, Inzhenerno-Fiz Zhurnal, Vol 14,
June 1968, pp 975-982.

CSOB

C.E. Trans 5098D

Sci-Phys
Oct 69

394,591

Investigation of the Thermal Conductivity of
the System $N_2O_4 \rightleftharpoons 2NO_2 \rightleftharpoons 2NO + O_2$, by
P. N. Dresvyannikov.
RUSSIAN, per, Inzhenerno-Fizicheskii Zhurnal,
Vol 14, No 6, 1968, pp 1086-1090.

Dec 68

371,012

About a Combined Solution of Temperature
Problems in a Rotor and Stator of a Gas Turbine,
by M. M. Ivashchenko. V. M. Lyapunov. 12 pp.
RUSSIAN, per, Inzhenerno-Fizicheskoy Zhurnal,
Vol 15, No 1, 1968, pp 12-20.
FTD S-584 246-69

sci/propulsion and fuels
may 69

381,273

On the Stability of Combustion of a Dis-
ersed Fuel in the Combustion Chamber of
an Engine, by S. K. Aslanov.
RUSSIAN, per, Inzhenerno-Fiz Zhurnal,
Vol 15, No 1, 1968, pp 21-27.
FTD-S-408 58 69

Mar 69

376,353

One-Dimensional Stability of Normal Gas Com-
bustion, by S. K. Aslanov. 4 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 15, No 2, 1968, pp 298-301.
FTD S-582

~~FTD S-582~~

FTD Sp 201-69

FTD Sp 248-69

sci/physics
may 69

381,271

Effect of Initial Aerosol Velocity on the
Trajectory of its Motion in an Curvilinear Gas
Glow, by Y. Ye. Maslov.
RUSSIAN per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 15, No 3, 1968, pp 450-454.
FTD IIT Special 26-70

feb 70

402,647

ZHULEV, Yu.G. and KOSARENKOV, V.A. Theoretical study of the laminar film condensation of moving saturated steam on an isothermal surface.

Inzh.-fiz.Zh. 15(3):537-9 (1968) (NLL/9091.9F
(WH Trans 2391))

Heat Transfer in Nuclear Boiling (Problem Theory),
by V. M. Borishanskiy, et al.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 15, No 5, 1968, pp 809-817.
FTD HT Special 491-69

nov 69

395,406

Distribution of the Mach Number Along the Axis of
a Supersonic Underexpanded Jet, by Yu. P. Finat'yev.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal, Vol XV,
No 6, 1968, pp 982-987.
FTD-HT Special 71-23

Determination of the Thermal Inertia of Micro-
thermocouples in an Axially Symmetric Air Jet,
by S. I. Morozov, et al.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 15, No 6, 1968, pp 1100-1105.
FTD INT Special 528-69

oct 69

395,389

Criterion for Determining the Boundary of
Continuum Flow in a Freely Expanding Jet,
by A. L. Stasenko. 8 pp.
RUSSIAN, per, Inzh Fiz Zhurnal, Vol 16, No 1,
1969, pp 9-14.
NASA TT F-12,423

Sci-Phys
Nov 69

395,790

Thermal Conditions and Thermomechanical Strength
of Glass Active Elements in Lasers, by
S. K. Mamonov.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal, Vol 16,
No 1, 1969, pp 111-116.
FTD HT Special 265-70

Sci-Phys
Aug 70

Study of the Influence of Mass Transfer Processes
and Resistance Forces on the Electrodynamic
Acceleration of a Plasma, by P. M. Kolesnikov,
V. A. Korotkov.
RUSSIAN, per, Inzhenerno-Fizicheskii Zhurnal,
Vol 16, No 2, 1969, pp 197-205.
FTD HT Special 40-70

mar 70

404,369

Hydraulic Drag in Channels with Permeable Wall,
by I. S. Kochanov.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 16, No 3, 1969, pp 405-412.
FTD HT Special 285-70

Sci-Phys
Sept 70

Mechanism of the influence of inlet conditions
on the resistance of diffusers, by I. Ye.
Idel'chik and Ya. L. Ginzburg.
RUSSIAN, per, Inzhenerno-Fizicheskii Zhurnal,
Vol 16, Mar 1969, pp 413-416
FTD HT Special 329-70

sci
nov 70

Burning of a System fo Liquid-propellant Droplets,
by B. I. Polishchuk, N. V. Fedoseyeva.
RUSSIAN, per, Dokh-Fiz Zh, No 4, 1969, pp 617-621.
Dept of Navy APL/JHU T-2332

Sci-~~ENGINEERING~~ Prop & Fuels
Dec 69

397,418

Free Convection in a Plane Submerged Jet,
by V. V. Ris, Yu. A. Sokovishin.
RUSSIAN, per, Inzh Fiz Zh, Vol 16, No 4,
1969, pp 647-652.
Dept of Navy APL/JHU T-2328

Sci-Phys
Nov 69

395,746

The Effect of Injection on Supersonic Flow Over
a Cone, by M. P. Ovsiannikov.

RUSSIAN, per, Inzh Fiz Zh, Vol 15, No 4, 1969,
pp 653-658.

Dept of Navy APL/JHU T-2329

Sci-Phys
Nov 69

395,747

Energy Relations and Energy Conversion Coefficient for Electrodynanic Plasma Acceleration With Allowance for Mass Transfer Processes, by P. M. Kolesnikov, N. N. Stolovich. RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal, Vol 16, No 4, 1969, pp 659-665. FTD HT Special 39-70

mar 70

404,368

**Thermal Conductivity in the Case of a Finite
Heat Propagation Rate, by V. V. Kharitnikov.**

7 pp.

RUSSIAN, per Inzh-Fiz Zh, Vol 16, No 4, 1969,

pp 737-741.

NASA TT F-12,647

Sci-Phys
Tab 70

403.174

Turbulent Boundary Layer with Blowing in a Com-
pressible Fluid with a Pressure Gradient, by
N. S. Krest'yaninova.

RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 16, No 6, 1969, pp 989-1001.
FTD IT Special 220-70

Sci-Phys
Jul 70

Kinetic Theory of the Thermal Conductivity of
Gas Mixtures at Low Temperatures. I. by
A. G. Shashkov, T. N. Abramenko.
RUSSIAN, per, Inzh-Fiz Zh, Vol 16, No 6, 1969,
pp 1009-1018.
Dept of Navy APL/JHU T-2352

Sci-Phys
Dec 69

397,433

Asymptotic Approximation to the Solution of a
Non-linear Problem of Heat Conduction, by

I. A. Skritsoun.

RUSSIAN, per, Inzh-Fiz Zh, Vol 15, No 6, 1969,
pp 1087-1092.

Dept of Navy APL/JHU T-2335

Sci-Phys
Dec 69

397,421

Zhuk, V. I.

Heat transfer in a wall with a through slot.

INZHENERNO-FIZICHESKIY ZHURNAL, Vol. 16, No 6, 1969,

pp 1093-1100

FTD-MS-24-1745-71

oct 22 71

Distribution of turbulent energy in free jets
by L. A. Vulis.

RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 17, No 1, 1969, pp 19-25
FTD HT Special 328-70

sci

nov 70

Discontinuous Solutions in Problems of Non-Linear Heat Conduction, by V. V. Frolov.

RUSSIAN, per, Inzhenero-Fizicheskiy Zhurnal,
Vol 17, No 1, 1969, pp 111-117.

Dept of Navy APL/JHU T-2430

NASA TTF-12,930 11-pgs

Sci/Phys
July 70

Statistical Modelling of Vacuum Film Sputtering,
by L. I. Kalashnik.

RUSSIAN; per; Inzhenerno-Fizicheskiy Zhurnal,
Vol 17, No 1, 1969, pp 140-144.
FTD HT Special 196-70

Sci-Phys
Jul 70

Investigation of Heat Transfer During Boiling
Employing Simulated Weak Gravitational Fields,
by Yu. A. Kirichenko, 14 pp.
RUSSIAN, par, Inzh Fiz Zh, Vol 17, No 2, Aug
1969, pp 201-209.
NASA TT F-12,940

Sci-Phys
Jul 70

Characteristic Regimes of Impulsive Superficial
Thermal Interactions on Metals, by A. G. Goloveyko,
RUSSIAN, per, Inzhenerno Fizicheskiy Zhurnal, Vol
17, No 2, 1969, pp 272-279.
FTD HT Special S1-70

May 70

Solution of Thermal Stresses in a Hollow Visco-elastic Sphere, by A. F. Sidorov, O. B. Khayrullina. RUSSIAN, per, Inzhenerno Fizicheskii Zhurnal, Vol 17, No 2, 1969, pp 300-305.
FTD HT Special 81-70

May 70

Turbulent Diffusion Burning of Gas in a Cylindrical Chamber, by V. N. Smrokin, L. A.

Dryachko.

RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,

Vol 17, No 3, 1969, pp 447-455.

FTD HT Special 299-70

nov 70

Occurrence of High Frequency Pressure Oscillations During Heat Transfer With Forced Fluid Flow, by Sh. G. Kaplan.

RUSSIAN, per, Inzhenerno-Fizicheskii Zhurnal,
Vol 17, No 3, 1969, pp 486-490.

CEGB-5621

June 71

The Temperature Dependence of the Diffusion Coefficient
of Gases, by Ye. M. Nafikov, A. G. Usmanov.
RUSSIAN, per, Inzhenerno-Fiz Zhurnl, Vol 17, No 3,
1969, pp 530-534.
Dept of Navy APL/JHU T-2390

Sci/Phys
Mar 70

404,255

Solving Thermal Conductivity Problems by the Straight-Line Method, by V. T. Ivanov, 10 pp.
RUSSIAN, per, Inzherno-Fizichesky Zhurnal, Vol 17, No 4,
1969, pp 709-713.
ARM/FSTC/HT-23-1313-71

Sept 71

Zhemoidina, L. Ya.

Application of the differential-difference method to the
solution of one-dimensional nonstationary thermal
conductivity problems with a moving boundary.

INZHENERNO-FIZICHESKIY ZHURNAL, Vol 17, No 4, 1969,
pp 719-724

NAVY APL/JHU T-2462

nov 70

The Link Between the Heat Transfer Crisis and
High Frequency Natural Pressure Oscillations, by
N. L. Kafengauz.

RUSSIAN, per, Inzhenerno-Fizicheskii Zhurnal,
Vol 17, No 4, Oct 1969, pp 725-729.

CEQB-5620

July 71

Dolinskaya, R. A.

Bibliography on heat and mass transfer.

INZHENERNO FIZICHESKIY ZHURNAL, Oct, 1969, Vol 17, No 4,
pp 752-772

FTD-HS-23-1318-71

jul 71

Temperature Stresses in Thin Visco-Elastic Plates With
Heat Exchange, by Yu. M. Kolyano, 9 pp.

RUSSIAN, per, Inzhenerno-Fizicheskly Zhurnal, Vol 17,
No 5, Nov 1969.

ARM/FSTC/HT-23-21-72

Aug 72

Temperature Stresses in Thin Viscoelastic Plates With
Heat Transfer, by Yu. M. Kolyano, M. V. Khomyak, 11 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal, Vol 17,
No 5, 1969, pp 892-899.
ARM/FSTC/HT-23-973-71

Aug 71

An Approximate Determination of Some Non-Linear Problems
of the Theory of Heat Transfer, by A. N. Lunov,
B. G. Ogloblin, 5 pp.

RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal, Vol 17,
No 5, 1969, pp 913-917.

ARM/FSTC/HT-23-1166-71

Sept 71

A Problem of Three Dimensional Boundary Layer in
Generalized Stokes Fluid, by V. A. Bubnoy.

RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal, Vol 17,
No 6, 1969, pp 1027-1034.

*FSTC-HT-23-0998-72

Dec 71

Transformation of Thermodynamic Equations, by

D. P. Kolodnyy, 8 pp.

RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal, Vol 17,
No 6, 1969, pp 1092-1097.

ARM/FSTC/HT-23-13-72

ARM/FSTC/HT-23-13-72

June 72

English Title Unknown, by I. A. Belov.

RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal, Vol
17, No 6, 1969, pp 1106-1109.

FTD HT Special 261-70

Sci-

Sep 70

Discontinuous Solutions in Problems of Nonlinear
Heat Conduction, by V. V. Prolov.

Russian, per, Inzhenerno-Fizicheskii Zhurnal
Vol 17, No 7, 1969, pp 111-117.

NASA TT F 12,930

sci/physics
apr 70

Investigation of Heat Transfer During Boiling
in a Simulated Weak Gravitational Field,
by Yu. I. Kirichenko, et al.

RUSSIAN, per, Inzhenerno-Fizicheskii Zhurnal,
Vol 17, No 8, 1969, pp 201-208.

*NASA TT F 12,940

sci/physics
apr 70

Inzhenerno Fizicheskiy Zhurnal will be done Cover-to-Cover by Plenum Press instead of Faraday Press.

Nov 71

Heat Transfer Theory in a Layer with Regular
Change of Liquid Flow Direction, by
V. A. Sheyman, 9 pp.
RUSSIAN, per. Inzhenerno-Fizicheskiy Zhurnal,
No 1, 1970, pp 21-29. 26
ACSI-K-2544
FSTC-HT-23-1998-72

June 72

Froyshteter, G. B.

*Effect of motion energy dissipation on heat transfer
with laminar flow on non-Newtonian fluids in circular
tubes.*

INZHENERNO FIZICHESKIY ZHURNAL, Vol 18, No 1, 1970,
pp 68-76

FTD-HT-Special 71-101

Heat Transfer Through Finned Surfaces,
by R. Berezhinskiy, 9 pp.
RUSSIAN, per. Inzhenerno-Fizicheskiy Zhurnal,
No 2, 1970, pp 305-311.
ACSI-K-2537
FSTC-HT-23-2001-72

Sep 72

Rusanov, V. P.

INZHENERNO FIZICHESKIY ZHURNAL, Vol 18, No 3, 1970,
pp 534-537
FTD-HS-23-657-71

apr 71

A. A. Andreyev

V. A. Pashin

Investigation of Heat transfer in a gradient flow
region for plane turbulent jet impinging on a plate
situated normal to the flow. 13 pp.

RUSSIAN, per, Inzh.-Fiz. Zh., Vol 16, No 4, 1970,
pp 631-637

NASA TT 14,195

june 72

Ilyashkevich, I. M.

Relaxation-polarization characteristics of the water-cement system in a magnetic field.

INZHENERNO FIZICHESKIY ZHURNAL, Vol 19, No 1, 1970,

pp 47-52

FTD-HS-23-1071-72

apr 72

(ANL-Trans-871) ON THE PROBLEM OF THE
ATOMIZATION OF A LIQUID BY A HIGH-VELOCITY GAS
STREAM. Kunina, E. M.; Khelfets, M. I. This Translated for
Argonne National Lab., Ill., from Inzh.-Fiz. Zh.; 19: 116-19
(1970). 206p. 24Dep. NTIS.

chemical engineering; translations 3107A

MN-4 24P NSA

Bubnov, V. A.

Comment on special solutions of hydrodynamic equations.

INZHENERNO FIZICHESKIY ZHURNAL, Vol 19, No 1, 1970,

pp 124-128

FTD-HS-23-1987-71

oot 71

Effect of a Transverse Mass Flow on Heat
Transfer and Dynamics of a Turbulent Flow,
by Romanenko, 7 pp.
RUSSIAN, per. INzhenerno-Fizicheskiy Zhurnal,
Vol 19, No 2, 1970, pp 190-196.

ACSI-K-2538

FSTC-HT-73-1995-72

Jul 72

Determining Mean Heat Transfer Coefficients With Built
in Alphacalorimeters, by V. M. Kapinos,
V. N. Pustovalov, 8 pp.

RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal, Vol 19,
No 2, 1970, pp 236-242.

ARM/FSTC/HT-23-735-72

June 72

Belostotskiy, B. R.

Calculation of thermal stresses in laser active elements.

INZHENERNO FIZICHESKIY ZHURNAL, Vol 19, No 2, 1970,

pp 272-275

FTD-HS-23-717-71

may 71

Heat Transfer Through Finned Surfaces,
by R. Berezhinskiy, 9 pp.
RUSSIAN, per. Inzhenerno-Fizicheskiy Zhurnal,
No 2, 1970, pp 305-311.
ACSI-K-2537
FSTC-HT-23-2001-72

Aug 72

Film Vapour Condensations on Horizontal
Small Finned Tubes, by V. A. Kharkhu.
RUSSIAN, per, Inzhenerno-Fizicheskii
Zhurnal, Vol 19, No 4, 1970, pp 617-624.
NTC 72-10622-20L

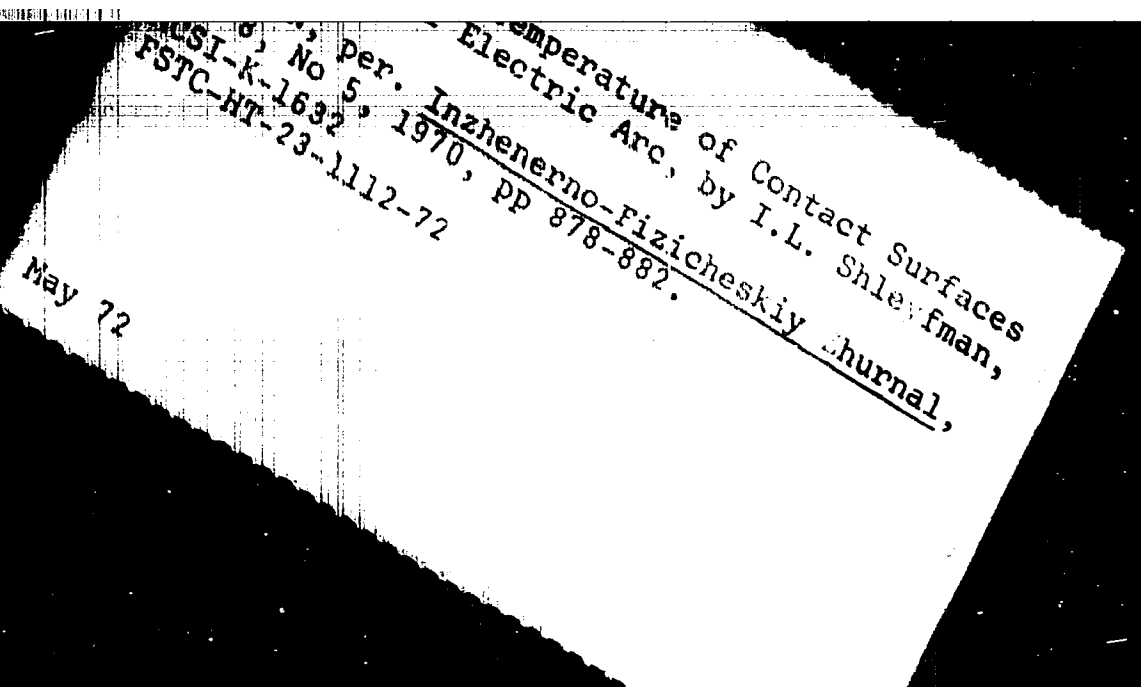
May 72

Nonlinear Heat Conduction With Nonstationary Conditions,
by I. N. Prikhod'ko, 7 pp.

RUSSIAN, per, Inzhenerno Fizicheskiy Zhurnal, Vol 19,
No 5, 1970.

ARM/FSTC/HT-23-734-72

June 72



RELATIONSHIP BETWEEN PARAMETERS OF CYLINDER S
OLIDIFICATION IN AXIAL AND RADIAL
SHVED F.I.

LANGUAGE-RU COUNTRY-UR

INZHENERNO-FIZICHESKIY ZHURNAL NO 7, 1972, PP
106-109

FSTC-HT-23-1997-72

Calculation of Heat Transfer Through Porous Layered
Vacuum Insulation, by R. S. Mikhal'chenko,
V. F. Get'manets, 8 pp.
RUSSIAN, per, Inzhenerno Fizicheskii Zhurnal, Vol 19,
Aug 1970, pp 276-282.
ARM/FSTC/HT-23-1475-71

Nov 71

Calculation of Thermal Process in a Rectangular
Parallelepiped and in a Solid Cylinder for a Time
Dependent Ambient Temperature, by W. Reiss, 8 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal, Vol 19,
Sept 1970, pp 508-513.
ARM/FSTC/HT-23-1474-71

June 72

Bakun, B. I.

*Characteristics of the working flow in hypersonic shock
tubes in the presence of solid particle impurities.*
INZHENERNO FIZICHESKIY ZHURNAL, Vol 19, Oct 1970,
pp 698-704
FTD-MS-24-31-72

oct 71

A. V. Kuzikovskiy

Evaporation of a water drop being acted upon by a light pulse. 8 pp.

RUSSIAN, Inzhenerno-Fizicheskiy Zhurnal, Vol 20, No 1, 1971, pp 21-25

AIR/FTD-HT-23-898-72

Jan 73

Mkhitarian, A. M.

Allowance for gas blowing in calculations of supersonic
flow around a cone.

INZHENERNO FIZICHESKIY ZHURNAL, Vol 20, No 1, 1971,
pp 43-48

FTD-HS-23-1494-72

aug 72

Design Methods for Calculating Temperature
Fields of Solids, by D.A. Kurtemer, 8 pp.
RUSSIAN, per. Inzhenerno-Fizicheskoy Zhurnal,
No 1, 1971, pp 68-73.
ACSI-K-2540
FSTC-HT-23-1996-72

June 72

Methods for Calculating the Ablation of Teflon
Mass During Its Degradation, 7 pp.
RUSSIAN, per. Inzhenerno-Fizicheskiy Zhurnal,
No 1, 1971, pp 70-75.
ACSI-K-2499
FSTC-HT-28-2004-72

June 72

Heat Transfer at an Initial Heat Segment for
Stabilized Turbulent Air Flow,
by V.M. Legkiy, 11 pp.
RUSSIAN, per. Inzhenerno-Fizicheskiy Zhurnal,
No 2, 1971, pp 215-223.
ACSI-K-2532
FSTC-HT-23-2003-72

June 72

Heat Transfer in Sheet Steel Rolling,
by B. Ya. Lyubov, 11 pp.
RUSSIAN, per. Inzhenerno-Fizicheskiy Zhurnal,
No 2, 1971, pp 312-328.
ACSI-K-2535
FSTC-MT-23-1993-72

Jul 72

EXPERIMENTAL STUDY OF A METHOD FOR
URING GAS FILTRATION

GLUSHAKOV, A.N. LANGUAGE=RU COUNTRY=UR

INZHENER.-FIZICH. ZHURNAL, VOL. XXI, NO 2, AU
G.71 PP 354-6

FSTC=HT-23-0177-73

Effect of Mass Transfer on Heat Transfer Evapor-
ation of a Liquid from an Open Surface,
by V.I. Balakhonova, 8 pp.

RUSSIAN, per. Inzhenerno-Fizicheskiy Zhurnal,
No 3, 1971, pp 405-410.

ACSI-K-2534

FSTC-HT-23-2000-72

June 72

Gostintsev

Kinematic simulation of turbulent twisted flow in a tube.

INZHENERNO-FIZICHESKIY ZHURNAL, Vol 20, No 3, 1971,
pp 434-438

FTD-HS-23-120-73

Determination of the Equilibrium Composition
of Gas in Reacting Mixtures, 11 pp.
RUSSIAN, per. Inzhenerno-Fizicheskiy Zhurnal,
No 3, 1971, pp 453-461.
ACSI-K-2539
PSTC-HT-23-1099-72

June 72

Some Problems of Heat Conduction with Phase Trans-
formations, by V. M. Kulyapin.
RUSSIAN, per, Inzhenerno-Fizicheskii Zhurnal, Vol 20,
No 3, 1971, pp 497-504.
NAVY/APL/JHU-T-2662

Nov 72

MAKSIMOV, YE. A.

Some peculiarities of heat exchange in Porous Media. 5 pp
INZHENERNO-FIZICHESKIY ZHURNAL, Vol 20, No 4, 1971,
pp 588-591

JPRS 54515

ACSI-K-2497

FSTC-HT-23-2002-72

nov 71

Cesium Vapor Condensation from Argon Flows, by
V. M. Borishanskiy. 10 pp
RUSSIAN, per, Inzhenerno-Fizicheskii Zhurnal, Vol 20,
April 1971, pp 600-606.
NASA-TT-F-14071

Nov 71

Experimental Investigation of Heat Transfer
in Slit-Like Channels, 6 pp.
RUSSIAN, per. Inzhenerno-Fizicheskiy Zhurnal,
Vol 20, No 4, 1971, pp 706-710.
ACSI-K-2536
PSTC-HT_23-1994-72

June 72

Morozov, M. G.

Adiabatic surface temperature in a vortex boundary layer.
7 pp.

INZHENERNO-FIZICHESKIY ZHURNAL, Vol 20, May 1971,
pp 903-908

ACSI-K-2690

FSTC-HT-23-2077-72

aug 72

Nemchenko, V. I.

*Study of the trailing shock wave in a supersonic under-
expanded submerged gas jet*

INZHENERNO FIZICHESKIY ZHURNAL, Vol 20, No 5, 1971,
pp 909-917

FTD-HS-23-1455-72

aug 72

The Zone of Flow Reversal in Rapidly Rotating Supersonic
Gas Flows and Jets, by Yu. A. Gostintsev, 8 pp.

INZHENERNO-FIZICHESKIY ZHURNAL, Vol 20, No 6, 1971,
pp 1036-1041.

AIR/FTD/MT-24-1585-72

Feb 73

Agency: U.S. Army Cold Regions Res. & Eng. Lab.
P.O. no.: 72-1-41
Title: Nekotorye priblizhennyye resheniya
zadachi Stefana (Some approximate
solutions of the Stefan problem)
Authors: Kravchuk, E.M. & Kravchuk, V.M.
Source: Inzhenerno-fizicheskii zhurnal 20(6):
1100-1104, 1971.
Language: Russian
Spec. instr.: Please translate & type 1 copy

V. P. MERZLYAKOV

Green Functions in the Solution of Thermal Conductivity
Problems for a Hollow Cylinder.

INZHENERNO-FIZICHESKII ZHURNAL, Vol 21, pp 1096-1100,
1971.

NTC 73-10271-20M

Mar 73

L. A. Bychkova

Experimental study of diffuser channels with
preseparation state of the turbulent boundary layer.
RUSSIAN, per, Inzhenerno fizicheskiy Zhurnal, Vol 21,
Sept 1971, pp 518-523
ONASA TT F 14,366

july 72

Novikov, N. P.

*Destruction of thermoplastics under simultaneous action
of gas and powerful heat fluxes.*

INZHENERNO-FIZICHESKIY ZHURNAL, Vol 22, No 4, 1972,

pp 618-626

FTD-HS-23-390-73

N. S. Kozlov

Wall jet at a curved surface. 1972

RUSSIAN, Inzhenerno-fizicheskiy Zhurnal 1972

May 1972, pp 881-884

NASA TT F 13,924

oct 72

TEMPERATURE FIELD OF METALS UNDER THE ACTION
OF PULSED HEAT FLUXES

KAPEL'YAN, S N LANGUAGE--RU COUNTRY--UR

INZHEHERNO-FIZICHESKIY ZHURNAL, JUNE 1972, TO
M XXII, NO 6, 1100-1104

FSIC-HT-23-0707-73

Volkov, I. D.

Engineering and rescue operations at the site of an
atomic strike. 191 pp.

INZHENERNO-SPASATEL'NIYE RABOTY V OCHAGE YADERNOGO

PORAZHENIYA, 1965, pp 1-151

JPRS 31,014

ACIS I-9075

ID 2204070565

Jul 65

Engineering Support for Combat Operations at
Night and Under Special Conditions, by
IV Osobykh Usloviyakh, 74 pp.
RUSSIAN, per. Inzhenernoye Obespecheniye
Boevykh Deystviy Voysk Noch'yu, no 104-220.
ACSI-K-0477

FORM 23 Nov 71

Jan 72

Engineer Support to a Motorized Rifle (Tank)
Battalion on a March and During a Meeting
Engagement, by A. P. Balokon', V. I. Kalayda.
RUSSIAN, bk, Inzhenernaya Obespecheniye Marcha I
Vstrochnogo Bata Matostalkovogo (Tankovogo)
Batal'ona, 1967, 162 pp.
ACSI J-4202
ID 2204002268

USSR

MIL

Aug 68

362,950