

Advances in Soviet Thermophysical Sciences Dis-
cussed, by V. A. Kirillin and E. E. Shrdl'rayn,

9 pp.

RUSSIAN, per. Teorofizika vysokikh temperatur.

Vol 5, No 5, Sep-Oct 1967, pp 733-738.

JPRS 43500

Sci-Physics

Dec 67

346,738

An Asynchronous Flowmeter for Liquid Metals,
by N. V. Zaiceva.
RUSSIAN, per, Teplotiz Vysok Temp, Vol 5, No 5,
1967, pp 889-893.
NLL Ref: 9091.9F

Sci/Mat
Apr 69

380,224

Dismountable Thermionic Converter, by
V. I. Petrov, AP P. Kobarenkov.
RUSSIAN, per, Teplofizika Vysokikh Tem-
peratur, Vol 6, No 1, 1968, pp 203-206.
AIR/FTD/HT-23-906-68

Sci-Phys
Apr 69

379,574

Motion of a Drop of Alkali Metal in a Current of
Vapor With condensation, by G. B. Lybchinskaya.

6 pp.

RUSSIAN, per, Teplofiz. Vysokikh Temperatur,
No 4, 1968, pp 801-803.

NASA TP R-12,770

sci/mechan engr
apr 70

404,501

Determination of the Luminosity of Air, N₂ and CO₂
at Temperatures of ~ 10,000 K, by N. N. Ogurtsova,
N. V. Podmoshensky, 8 pp.
RUSSIAN, per, Teplofizika Vysokikh Temperatur, Vol 6,
No 5, 1968, p 44.
ARM/FSIC/IT-23-632-69

Sci/Atmos
Dec 69

397,189

**An Experimental Investigation of the Coefficients
of Electric Conductivity and Thermal Conductivity
of Plasma in Air, by Ye. I. Aminovskiy. 10 pp.
RUSSIAN, per, Teplofa Vysokikh Temperatur,
No 2, 1969, pp 217-222.
NASA TT F-12,416**

Sci-Phys
Dec 69

398,494

Turbulent Boundary Layer in the Initial Section
of a Tube Under Conditions of Nonisothermicity
and Blowing, by A. I. Leontyev. 14 pp.
RUSSIAN, per, Teplota Vysokikh Temperatur,
Vol 7, No 2, 1969, pp 276-283.
NASA TT F-12,356

Sci-Phys
Jan 70

399,015

Means for Graphic Interpolation of the Results
of Calculations of Chemical Nonequilibrium
Flows in Nozzles, by V. M. Khnylov. 6 pp.
RUSSIAN, per, Teplo:iz Vysokikh Temperatur,
Vol 7, No 2, 1969, pp 284-287.
NASA TT F-12,357

Sci-Chem
Jan 70

399,016

Experimental Investigation of Distribution
Parameters in Single-phase and Double-phase
Subsonic Plasma Flows, by N. S. Surov. 13 pp.
RUSSIAN, per, Temperatiz Vysokikh Temperatur,
Vol 7, No 2, 1969, pp 304-312.
NASA TF F-12, 363

Sci-Phys
Jan 70

399,021

Experimental Research on the Condensation Process
in a Supersonic Flow, by G. A. Mukhachev. 13 pp.
RUSSIAN, par, Teplotiz Vysokotemperatur, Vol 7,
No 2, 1969, pp 318-326. *part 1*
NASA TT F-12, 386

Sci-Phys
Jan 70

399,014

Research on the Flow of Moist Vapor in Axis
symmetrical Laval Nozzles Within a Broad
Range of Degrees of Moisture, by
M. Ye. Deych. 10 pp.
RUSSIAN, par, Teplfiz Vysokikh Temperatur,
Vol 7, No 2, 1969, pp 327-333.
NASA TT F-12,418

Sci-Phys
Jan 70

399,017

Investigation on the Deposition of a Niobium
Coating on Graphite from the Vapor-Gas Phase,
by K. A. Nikitin, et al. 10 pp.
RUSSIAN, per, Teplotfizika Vysokikh Temperatur,
Vol 7, No 2, 1979, pp 349-353.
FTD S-808

383-69

aug 69

389,719

Microwave Investigation of Relaxation Phenomena
in Impact Heated Argon Plasma, by Yu. S. Lobastov.
RUSSIAN, per, Trudy Vysokikh Temperatur,
Vol 7, No 2, 1969, pp 358-359.
NASA TT F-12,403

Sci-Phys
Dec 69

398,493

**Experimental Determination of the Pressure
of Saturated Lithium Vapor, by
V. M. Anisimov.
RUSSIAN, per, Teplofiz Vysokikh Temperatur,
No 2, Mar-Apr 1969, pp 371-373.
*NASA TT F-12,393**

Sci-Phys
June 69

Mass Exchange During Condensation of Cesium
Vapor from a Moving Mixture with Argon, by
I. L. Mostinskiy. 5 pp.
RUSSIAN, per, Teplotiz Vysokikh Temperatur,
Vol 7, No 2, 1969, pp 378-380.
NASA TT F-12, 394

Sci-Chem
Dec 69

398,480

Parameters of a Hydrogen Plasma in a Supersonic
Spherical Source, by V. M. Gol'dfarb.

RUSSIAN, par, Fizika Vysokikh Temperatur,
Vol 7, No 4, 1969, pp 610-614.

*NASA TT F-12,767

Sci-Phys
Dec 69

Measurement of Plasma Flow Rate With a Head
Pressure Pipe, by A. A. Voropayev, et al. 13 pp
RUSSIAN, PER, Teplotiz. Vysokikh Temperatur,
Vol 7, No 4, 1969, pp 633-640.
NASA TP E-12,758

scu/physics
apr 70

404,493

Laser Interferometry of Partially Ionized Plasma,
by L. N. Pyatnitskiy, et al. 5 pp.
RUSSIAN, per, Teplotiz. Wysokikh Temperatur, Vol 7,
No 4, 1969, pp 780-781.
NASA TT F-12,769

sci/materials
apr 70

404,505

Study of an Asynchronous Low Discharge Flow Meter,
by N. V. Yalovets. 7 pp.
RUSSIAN, per, Teplofiz. Vysokikh Temperatur,
Vol 7, No 4, 1969, pp 806-809.
NASA TT F-12,771

sci/physics
apr 70

404,4 503

Parameters of a Hydrogen Plasma in a Supersonic
Spherical Source, by V. M. Golfarb, et al.

8 pp.

RUSSIAN, per, Teplotiz. Vysokikh Temperatur,
Vol 7, No 5, 1969, pp 610-614.

NASA TR R-12,767

sci/physics
apr 70

404,492

High Temperature Thermodynamics of Uranium
Carbides, by S. S. Nikol'skiy, 18 pp.
RUSSIAN, per, Tenofizika Vysokikh Temperatur,
Moscow, Vol 7, No 5, 1969, pp 873-876.
JPRS 51221

Sci-Phys
Sept 70

Equipment for Obtaining Shock Waves in
Cesium Vapor, by A. S. Suslov.
RUSSIAN, per, Teplotfizika Vysokikh Tem-
peratur, vol 7, no 6, 1969, pp. 1168-1177.
FTD HT Special 97-70

Apr 70

405,902

Investigation of the Influence of the Temperature
Factor on Local Heat Transfer During the Flow in a
Tube of a Mixture of a Gas and Graphite Particles,
by F. F. Tsvetldov.

RUSSIAN, per, Teplofizika Vysokikh Temperatur,

No 6, 1969, pp 1224-1227.

FTD HT Special 181-70

Sci-Phys
Jul 70

Changes in the Electrical Conductivity and Density of
Metals in the Super Critical State, 17 pp.
RUSSIAN, per, Техника Высokikh Temperatur, 1970.
DIA LN 48-72

Dec 71

On the Possibilities of Using Gas Turbine Installations
and Magneto-hydrodynamic Generators at Atomic Power
Stations With High Temperature Gas Cooled Reactors, by
M. D. Millionshchikov, 19 pp.
RUSSIAN, per, Teplofizika Vysokikh Temperatur, Vol 8,
No 2, 1970.
ARM/FSTC/HT-23-1093-71

Nov 72

Technical Progress in Power Engineering, by
V. A. Kirillin, M. A. Styrlkovich, 14 pp.
RUSSIAN, per, Teplofizika Vysokikh Temperatur, Vol 8,
No 2, Mar-Apr 1970, pp 235-245.
ARM/FSTC/HR-23-1582-71

Jan 72

AFC (BNI-tr-365) BOILING OF LIQUID ALKALI METALS
IN TUBES. Potukhov, B. S.; Zeigarnik, Yu. A. Translated by
S. J. Amoretty (Brookhaven National Lab., Upton, N. Y.), from
1; Teplofiz. Vys. Temp.; 8: 309-18(1970). 2022p. 24Dep. NTIS.

26heat transfer; translations 2720M

28MN-38 29P NSA

Influence of Pressure on the Radiativity of
Heated Carbon Dioxide Gas, by E. S. Kuznetsova
RUSSIAN, per, Terlofizika Vysokikh Temperatur,
Vol 8, No 3, 1970, pp 514-519.
NTC-71-10671-20M

CIA X7349 8:4p

Nov 71

Mass Transfer in Electrochemical Fuel Cells With Ion
Exchange Membranes, by A. M. Ivanov.
RUSSIAN, per, Teplotekhnika Vysokikh Temperatur, Vol 8,
No 3, 1970, pp 615-62..
*FSTC-HI-23-0824-72

Nov 71

**Thermodynamic Properties of Molecular Hydrogen
in the Condensed State, by R. K. Artyun and**

A. B. Khrushch.

**RUSSIAN, part, Zhurnal Khimicheskoi Fiziki, Temperaturi i
Sveta, Vol 8, No 4, 1970, pp 749-753.**

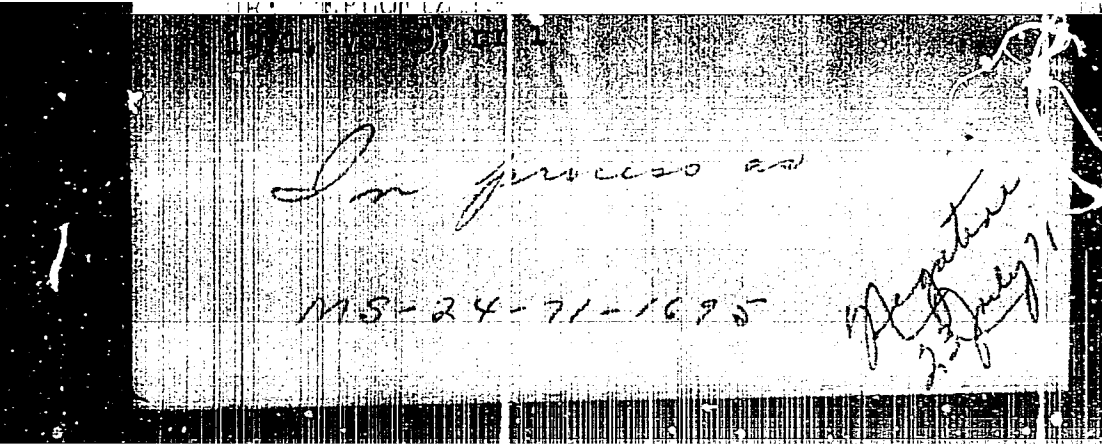
FTD BY Special 71-14

Transport Properties of Chemically
Reacting Gases, by Y. U. Samuylov.
RUSSIAN, per, Teplofizika Vysokikh
Temperatur, Vol 8, No 4, 1970,
pp 754-761.

NTC 72-11294-07D

Nasa TTF-13,486

May 72



DO 128098
VASTII YEV I W; TRELIN YU S
UR: TEPLORIZIKI VYSOKIH TEMPERATUR
1971, vol 9, no 1, pp 59-66

In process as

MS-24-71-1626

*Negative
23 July 71*

1971, vol 9, nr 1, pp 80-84
LUBIMIZ LKA VYSOKIH TEMPERATUR

In process

MS-24-71-1627

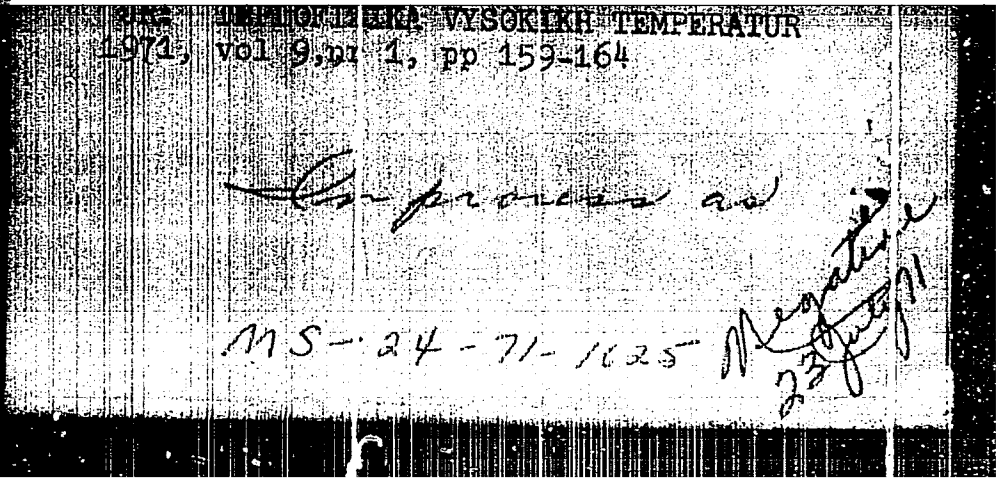
*Revised
25/11*

VAPOR CONTENT IN NONUNIFORM VAPOR-LIQUID
FLOWS WITH INLET AND RELEASE OF HEAT
THERMODYNAMICS
TR: TERMOFIZIKA VYSOKIKH TEMPERATUR
1971, vol 9, nr 1, pp 135-140

In process ed

MS-24-71-1629

*Negatives
25 July 71*



UR. TEPLOFIZIKA VYSOKIEH TEMPERATUR
1971, vol 9, nr 1, pp 174-177

In process ad

MS-23471-1628

*Negative
23 July 71*

ARTICLES OF THERMIONIC CONVERTERS
KARTONOV V V
UR: TEPLOFIZIKA VYSOKIKH TEMPERATUR
1971, vol 9, nr 1, pp 178-181

In process as

MS-24-71-1404

*Signature
20 July 71*

Bulk Vapor-formation processes during the action of a
laser beam on metal, by N. M. Rykalin. 16 pp
RUSSIAN, per, Teplotizika Vysokikh Temperatur, Vol 9,
May-June 1971, pp 575-582
NASA TT F 14144

mar 78

Electric Discharge Shock Tube as a Plasma Source
for Magnetohydrodynamic Experiments, by
A. N. Maksimov, 9 pp.
RUSSIAN, per, Teplofizika Vysokikh Temperatur,
Moscow, Vol 9, No 5, 1971, pp 1023-1028.
JPRS 56352

July 72

Agency: Air Force
P.O.#: ARO-72-0001

72-2

R-14343-82
19 Jan 72

Title: Experimental investigation of Coulomb
interactions in a dense plasma.
Author: Ermokhin, N.V. and others.
Source: Teplofizika Vysokikh Temperatur, vol. 9,
Jul-Aug 1971, pp 665-675
Language: Russian to English
Special Instructions: Please translate & type one
copy.

R-14344-8
19 Jan. 72
72-02

Agency: Air Force
P.O.#: ARO-72-0001

Title: Peculiarities of the behavior of the electrical conductivity & emission of a dense low temperature plasma.

Author: Batenin, V. M. and P. V. Minaev

Source: Teplofizika Vysokikh Temperatur, 9, 676-682 (Jul - Aug 1971)

Language: Russian to English

Special Instructions: Please translate & type one copy/

Agency: Air Force
P.O.#: ARO-72-0001

72-2

R-14342-8
19 Jan. 72

Title: Experimental determination of the absorption coefficients of argon at high temperatures and pressures.

Author: Gulubev, V.A. and V. F. Klimkin

Source: Teplofizika Vysokikh Temperatur, vol 9,
Jul - Aug 1971, pp 683-687

Language: Russian to English

Special Instructions: Please translate & type
one copy.

Technical-Economic Analysis of a Closed-Cycle
Power Plant with a Non-Equilibrium Plasma MHD
Generator, by B. Ya. Shungutskiy, V. I. Kovbaryuk,
11 pp.

RUSSIAN, par. Tepla Plazma Vysokikh Temperatur,
Moscow, Vol 9, No 6, Nov-Dec 1971, pp 1264-1270.
JPRS 55131.

Feb 72

Thermodynamic Efficiency of Groundwater Hydrofluoride
Molecules, by I. I. Gutman, V. A. Dektoryevskiy,
6 pp.
RUSSIAN, per, Tepla i dlya vysshikh Temperatur,
Moscow, Vol 9, No 6, Nov-Dec 1971, pp 1329-1331.
JPRS 55126

Page 72

Experimental Study of Heat Exchange in Boiling
Nitrogen Tetroxide, by B. S. Petukhov,
S. A. Kovalev, 13 pp.
RUSSIAN, per, Teplofizika Vysokikh Temperatur,
Moscow, Vol 10, No 1, 1972, pp 136-144.
JPRS 56076

May 72

19 March 1971

7/9/71

Discharge in a gas plant, by V. Ya. Barskov.

Moscow, ~~Nezavisimaya zhurnalisticheskaya~~ ~~zhurnalisticheskaya~~ ~~zhurnalisticheskaya~~, Vol. 10,
No. 6, 1970, pp. 11, 12.

All for
Special type B
Do not publish
Original plus one
like reproductions, copy may be clipped.

T.D. 19 March 1971

TEPLOOBMEN - bimonthly
(Heat Transfer - Soviet Research)
Translation begins with January 1969
Order from: The American Society
of Mechanical Engineers
345 East 47th Street
New York, N.Y. 10017
1971: \$ 125.00/year USA and Canada
\$ 126.00/year elsewhere
\$ 25.00 single issues

Russ

Aluminum As a High-Temperature Heat-Transfer
Agent, by S. S. Filimonov, M. G. Kryukova, 26 pp.
RUSSIAN, par, Teplotobmen v Elementakh Energetich-
eskikh Ustanovok, 1966, pp 68-83.

P100302567
FTD-MT-67-49

Sci-Materials
Dec 67

344,411

Experimental Determination of the Coefficient
of thermal conductivity of molten aluminium
at 725°-1510°C (a new rational method)

By N.A. Nikolskii.

RUSSIAN, mono, Teplobem v Elementakh
Energeticheskikh Ustanovok, Moscow 1966

pp. 83-91.

CSIRO9689

ETC-69-29541

Nov 69

394,421

An Investigation of the Unsteady-State Temperature Field on a Multi-Layer Cylindrical Wall of a Steam Turbine Valve, by

D. A. Pereverzev.

RUSSIAN, bk, Teploobmen v Energeticheskikh Ustanovkakh, 1967.

International Chemical Engineering

Vol 9, No 2, Apr 1969

Available from Am Inst of Chem Engrs

June 69

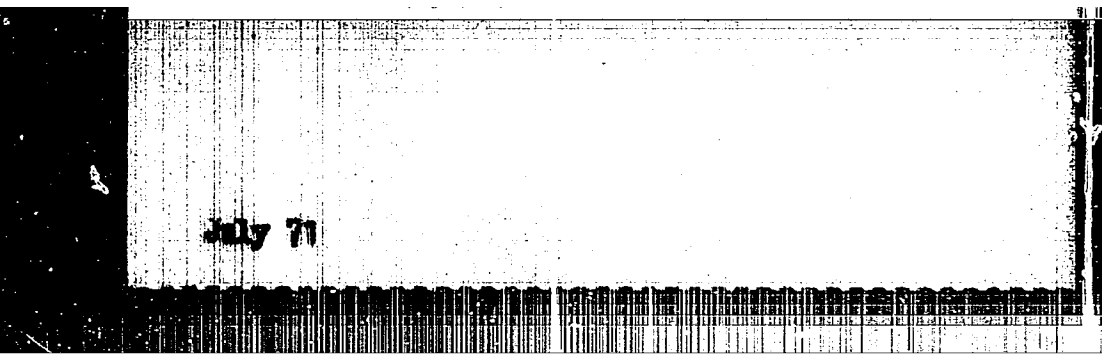
383,479

On the Analysis of Complex Heat Exchange,
by S. S. Filimonov, B. A. Khrustalev.
RUSSIAN, bk, Teploobmen Gidrodin i Teplofiz
Svoistva Veshchestva. 1968, pp 107-122.
CIA X-6977

Apr 69

379,961

East Exchange and High Concentration of Dispersed
Through Klong (Belong to Port-Louis), by
L. B. Gamba. 10 pp.
RUSSIAN, book, ~~Handbook of the Chemical Warfare
Agents, 2nd Edition, 1970, pp 390-398, 402-403, 436-437, and 441-449.~~



**The Effect of Surface-tension Forces on the
Heat-transfer Coefficient in the Condensation
of Vapors on Inclined Tubes, by**

V. M. Buznik.

**RUSSIAN, bk, Teploobmen i Gidrodinamika v
Dvukhfaznykh Sredakh, 1967.**

International Chemical Engineering

Available from An Inst of Chem Engrs

Vol 9, No 2, Apr 1969 *pp 214-19*

ETC-69-28310

June 69

383,455

Heat Transfer to Boiling Potassium in Uniformly
Heated Tubes, by I. T. Aladev. 25 pp.
RUSSIAN, rpt, Teploobmen Gidrodinamika i Teplofiz
Svoistva Veshchestv, 1968, pp 18-31.
AEC-BNL-tr-251

Sci-Phys
Sep 70

On the Role of Scattering in Radiation Heat
Exchange Processes, by V. N. Adryanov.
RUSSIAN, bk, Teplobmen, Gidrodinamika i
Teplofizicheskiye Svoistva Veshchestva,
1968, pp 139-145.
CIA X-6847

Jan 69

373,258

Methods of Determining the Integral and
Spectral Radiative Properties of Materials
at High Temperatures, by B. A. Khrustalev.
RUSSIAN, per, Teploty, Gidrodinamika
i Teplofizicheskiye Svoistva Veshchestva,
1968, pp 174-190.
CIA X-6949

Mar 69

378,047

**Methods of Determining the Integral and Spectral
Radiative Properties of Materials at High
Temperatures, by B. A. Khrustalev.
RUSSIAN, mono, Teplotnen Hidrodinamika i
Teplofizicheskiye Svoystva Veshchestva,
1968, pp 179-190.
NTC-69-13252-2011**

**Sci-Phys
Sept 69**

392,810

**Radiative Properties of Tantalum, Molybdenum
Niobium, Graphite and Niobium Carbide at
High Temperatures, by D. A. Khrustalev,
A. M. Rakov.**

**RUSSIAN, ok, Teploobmen Gidrodin i Teplofiz
Svoistva Veshchestva, 1968, pp 198-219.
CIA X-6986**

Apr 69

379,968

Degree of Blackness of a Tubular Radiator
in the Presence of Nonisothermy, by

B. A. Mhrustalev.

RUSSIAN, bk. Teplotobmen Gidrodin i Teplo-
fizich Svoistva Veshchestva, 1968,

pp 219-230.

CIA X-6943

Mar 69

378,041

Method of Computing the Nonstationary Heat
Conductivity in Bodies of Simple Shape,
Cooled or Heated by Thermal Radiation, by
Ye. S. Turilina, K. D. Voskresenskiy.
RUSSIAN, mono, Teploobmen Gidrodinamika i
Teplofizicheskiye Svoystva Veshchestva,
1968, pp 230-236.
NTC-69-13252-20M
CIA X-6950

Sci-Phys
Sept 69

392,8(9)

A. K. Krasin

Heat transfer in chemically reacting gaseous heat carriers.
171 pp.

TEPLOOBMEN V KHIMICHESKI REAGIUYUSHCHIKH GAZOVYKH
TEPLOSITELYAKH, 1971, pp 1-168

AIR/FTD-MT-24-791-72

mar 73

Natural Convection Heat Transfer in Boiling of Metals,
by V. N. Subbotin, D. N. Sorokin. 182 pp. *192 pp*
RUSSIAN, bk, Теплообмен при кипении металлов в
Условийakh Yestestvennoy Konveksii, 1969 *pp 1-206*
NASA TT F-620-71

NTIS TT 71-50051

AEC-TR-7210

UC-33

july 71

Experimental Methods in Liquid Metal Systems,
by V. I. Subbotin, 20 pp.
RUSSIAN, bk, Teplotobmen pri Kipenii Metallov v
Usloviyakh Yestestvennoy Konveksii, 1969,
pp 40-52, Chapter 1.
AEC/ANL-Tr-793-70

Sci/Phy
Mar 70

400,192

Heat Transfer During the Flow of the Non-Newtonian,
by P. V. Tsoy, Sh. Nuriddinov, 10 pp.

RUSSIAN, rpt, Teploobmen Pri Teheniy Pep'yutopob
Skikh Zhidkostey.

ACSI K-1006

FSTC-HT-23-205-72

EX Feb 72

Heat Transfer and Resistance in the Laminar Flow
of Liquids in Tubes, by B. S. Lazukhov. 521 pp.
RUSSIAN, bk, Teplotobmen i Soprotivleniye Pri
Laminarnom Tekscheni Zhidkosti v Trubakh, 1967,

pp 1-243 english pages
AIR/MD/DT-23-757-68 Part 1 of 2

sci/physics
feb 70

401,019

Heat Transfer and Resistance in the Laminar Flow
of Liquids in Tubes, by D. S. Petukhov. 521 pp.
RUSSIAN, bk, Teplotobmen i Soprotivleniye Pri
Laminarnom Tchenii Zhidkosti v Trubakh, 1967,
pp 244-521.english pages
AIR/PTD/IT-23-757-68 part 2 of 2

sci/physics
feb 70

401,020

V. A. Andreyev

Thermal exchange apparatus for viscous liquids. 214 pp

TEPLOOBMENNYYE APPARATY DLYA VYAZKIKH ZHIDKOSTEY,
1971, pp 1-151
AIR/FTD-HC-23-734-72

apr 73

Heat Transfer During the Boiling of Freon 12 Inside
Vertical Pipes.

RUSSIAN, rpt, Teplootdacha Fri Kipenii Freona-12
Vnutri Vertikal'nykh Trub, 1969, pp 66-72.

ACSI J-9395

FSTC-HT-23-429-71

May 71

Thermal Conductivity of Gases and
Liquids, by V. B. Vargaftik, 184 pp.
RUSSIAN, bk, Teplotoprovodnost' Gazov
i Zhidkostey, Moscow, 1970, pp 14-155
AIR/FTD-MT-21-133-71

Feb 72

Thermal Conductivity of Refractory Materials,
by V. V. Pustovalov. 105 pp.
RUSSIAN, bk, Теплопроводность Огнеупоров, 1966.
NASA TT-F-516 TT-68-50635
COPYRIGHT

July 71

Heat Conductivity of Plates and Bodies of Revolution, by I. A. Motovilovets. 143 pp.
RUSSIAN, book, Teploprovodnost' Plastin i Tel
Vrashcheniya, 1969, pp 1-144.
AIR/FTD/MT-24-275-70

Aug 71

Thermal Conductivity of Semiconductors, by
B. M. Moxilevskiy, A. E. Chukhovskiy.
approx. 432 pp.
RUSSIAN, bk, 'Teploprovodnost' Poluprovodnikov,
1971.

CONSULTANTS BUREAU/PLENUM PRESS

sci/ electronics
sept 69

390,862

Thermal Stability of Transistors and Reliability
of Radio Equipment, by Yu. A. Shifrin-Dryshalovskiy,
228 pp.

RUSSIAN, bk. Teplovaya Ustoychivost' Transistorov
i Nadezhnost' Radioelektronnogo Apparatura, 1966.

ACSI J-3509
ID 2204048267

Sci-Elec
Feb 68

349,184

Thermal Interaction of the Atmosphere and the
Hydrosphere in the Arctic, by Yu. P. Doronin, 244 pp.
RUSSIAN, bk, Teplovoe Vzaïmodeistviye Atmosfery
i Gidrosfery v Arktike, 1969.
NTIS TT 70-50091

Sci/Atmos
Feb 71

Thermal Design of Maritime Steam Turbines,
by V. A. Semka.
RUSSIAN, bk, Teplovoi Raschet Sudovykh Par-
oturbiniykh Ustanovok, 1965, 260 pp.
NLL R 40179

Sci-Engr
Jul 66

307,537

Thermal and Moisture Regimes of the Soils
of the USSR (Reports to the 9th Interna-
tional Congress of Soil Scientists, 144 pp.
RUSSIAN, mono, Teplovoi i Vodnyi rezhim
pochv SSSR (Foklady K IX Mezhdynavodhomu
vongressu pochvovedov), 1968
*CFSTI TT 70-50045

Sci/b&m
Jan 70

399.732

Specific Characteristics in the Processing Technology of Atomic Fuel; Chapter XIII, by A. S. Zaymovskiy, et al. 8 pp.
RUSSIAN, bk, Teplovdelyayushchiye Elementy Atomnykh Reaktorov, 1956.
FTD S-558

july 69

384,230

Thermal and Mechanical Processes in the
Extraction of Minerals: Mining in Permafrost
Layers, by Yu. D. Dyad'kin, A. F. Zil'berbord.
RUSSIAN, bk, Teplovye i Mekhanicheskie
Protsessy pri Razrabotke Poleznykh
Iskopaemykh: Gornye Raboty V Massive Merzlykh
Porod, 1965, 267 pp.
NLL R-38157

Sci-M&M
May 66

299,816

G. A. Voskojly

V. I. Gerasov

*Concerning the bases for the theory of nonlinear
thermoelasticity of some polymers. 7 pp.*

RUSSIAN, per, *Teoriya nelineynogo elasticheskogo
konstruktsiy*, No 6, 1969, pp 256-261

AIR/FTD-~~RU~~-84-1177-71

July 72

Certain Inverse Problems of Determining Parameters
and Modeling of Heat Exchange, by G. N. Zemula,
V. M. Yudin, 9 pp.

RUSSIAN, per, Teplovyye Napryazheniya v Elementakh
Konstruktsiy, No 9, 1970, pp 59-70.

ARM/FSTC/HT-23-1057-72

May 72

DEFORMATION THEORY OF THERMOPLASTICITY

LENSKIY, V. S. LANGGERSI-KU SOCIETY-11

TEPLUVYYE MARIYA ZHANIYA V. 1970 37-51

FSTC-RI-23-2320-72

INFLUENCE OF PHYSICAL AND BIOLOGICAL FACTORS ON THE STRESS RESPONSE

SAVCHENKO, V. G. LANGUAGE=RU COUNTRY=UR

TEPLOVYYE NAPRYAZHENIYA V ELEKTRIKHESKOY KONSTRUKTSII
TSIY=ID NIV 1970 P# 07-70

FSTC-HI-23-2519-72

G. M. Khaikonov

Errors due to nonstationary thermal conditions in the measurement of static strains with semiconductor resistance strain gauge. 9 pp.

RUSSIAN, Teplooye napriuzheniya v elementakh konstruktsiy, No 11, 1971, pp 204-208
NASA TT F 14,616

nov 72

Thermal Flow Meters, by P. A. Korotkov, D. V. Belyayev.
189 pp.
RUSSIAN, bk, Teplovyye Paskhodomery, 1969, pp 1-175.
AIR/FTD-HC-23-192-70

may 71

HEATSHIELDS OF COSMIC APPARATUS
YEPISHKIN YU
UR: TEPLOZASHCHITA KOSMICHESKIKH APPARATOV
pp 37-39, ALL INFORMATION AVAILABLE

In Process
FTD - MT ~~SECRET~~ 969-71
Negative
3/1/71

Theoretical Principles of Radioengineering
Statistics, by B. R. Levin. 728 pp.
RUSSIAN, bk, Teoreticheskiye Osnovy Statisti-
cheskoy Radiotekhniki, Vol 1, 1966.
~~*FTI-IT-25-1448-67-C~~

Sci/Electronics
Nov 67

Health Protection of the Soviet People Resulting
From the New Program of the CPSU, by V. V.
Korotkov, 5 pp
RUSSIAN, per, Trudnicheskii Arkhiv, Vol 37,
No 1, Jan 65, pp 3-6,
JPRS 29462

USSR
Soc
Apr 65

271,599

Electric Potentials, Acidity, and Secretion
of the Duodenum in Chronic Gastritis, by Ya. V.
Borin and R. P. Nakor', 12 pp
RUSSIAN, per, Terapevticheskiy Arhiv, Vol 37,
No 1, Jan 65, pp 67-73.
JPRS 29462

USSR
Sci-1/M
Apr 65

277,600

Clinical and Electrocardiographic Parallels
and Some Indices of Hemodynamics in Salmonella-
Caused Food Poisoning, by A. D. Brisker, et pp
RUSSIAN, per, Terapevtichesky Arhiv, Vol 37,
No 1, Jan 65, pp 101-106.
JPRS 29462

INDEX
Oct-3/66
Apr 65

277,602

A Case of Acute Dopamine Poisoning, by T. A.
Dobrorokhova, Ye. N. Mikhaylova, L. N. Orbina,
and N. M. Shchurba, 5 pp
RUSSIAN, per, Terapevticheskiy Arhiv, Vol. 37,
No 1, Jan 65, pp 107-110
JPRS 23462

UBSR
Sci-B/M
Apr 65

271,602

Problems of Diagnosis and Treatment of Rheumatic
Carditis and Rheumatic Valvular Lesions (As Discussed
At the 13th All-Union Conference of Therapists)
by A. I. Bosterev, R. V. Iyevlora, and V. N.
Anokhin, 22 pp
RUSSIAN, per, Terapevticheskiy Arkhiv, Vol 37, No
1, Jan 65, pp 117-127
JPRS 23462

USSR
Sci-R/M
Apr 65

271,603

Enzymatic Diagnosis of Myocardial Infarction, by A. A.
Shelagurov and Z. K. Trushinskiy, 15 pp.
RUSSIAN, per, Terapevticheskiy Arkhiv, Vol XXXVII, No 2,
Feb 65, pp. 3-13.
JPRS 30065

USSR
Sci-B/M
May 65

279,890

Restoration of the Sinus Rhythm by Means of an Electric
Pulse, by A. L. Syrkin and I. V. Mayevskaya, 10 pp.
RUSSIAN, per, Terapevticheskiy Arhiv, Vol XXXVII, No 2,
Feb 65, pp. 22-23.
JPRS 30066

USSR
Sci-B/M
May 65

279,891

Dynamics of Sound Symptomatology in Patients Following
Replacement of Mitral Valve with an Artificial Ball-
Prosthesis, by G. I. Kassirskiy, G. I. Astrelchanskaya,
and V. Yu. Kharin, 5 pp.

RUSSIAN, per, Terapevticheskiy Arkhiv, Vol XXXVII,
No 2, Feb 65, pp. 28-31.

JPRS 30067

USSR
Sci-B/M
May 65

279,392

Radiocardiography and Pulmonary Radiocirculography with Serum Labeled with I(131) Albumin in Cardiac Disease, by I. Sova, V. Ezhek.

RUSSIAN, per, Terapevticheskii Arkhiv, Vol 37, No 2, 1965, pp 31-41.
SIA TT-65-64519

Sci-B&M
Jul 66

307,584

Changes in the Blood Serum Protein Fractions in
Botkin's Hepatitis, by V. M. Sukharev.
RUSSIAN, per. Terapevticheski Arkhiv, Vol 37,
1965, pp 48-51.
NLL RTS 3403

Sci-B and M
Nov 67

345,244