

REQ TR CHECK

27-9-2

TG04

PROGRAMMING INSTRUCTIONS, PART 1

AUTHOR: UNKNOWN

UR: INSTRUKTSIYA PO PROGRAMMIROVANIYU
CHAST 1. TSENTRAL'NYE USTROYSTVA. SISTEMA

KOMAND. PSO.170.001 I, REDAKTSIYA 2-68
"URAL-14". MINISTERSTVO RADIOPROM'SHLENNOSTI

SSSR. pp 1-181

Process in as

MT 72-24-1676

*Negative
6 Oct 72*

Universal Automatic Digital Computer "Ural", by
G. V. Knot'ko, 11 pp.
INSTRUKTSIYA PO PROGRAMMIROVANIYU CHAST' 2.
USTROYSTVA VVODA-VYVODA KNIGA 1. DATCHIK VREMENI.
U-695. PSO. 170.007 II, 1969, pp 1-9.
AIR/FTD/HT-23-1628-72

Feb 73

REQ TR CHECK

27-9-5

TGU7

PROGRAMING INSTRUCTIONS 1969

AUTHOR: UNKNOWN

UR: INSTRUKTSIYA PO PROGRAMMIROVANIYU

CHSTROYSTVA VVODA-VVODA, KNIGA 1,

OBSHCHIYE SVEDENIYA PSO.170.007 I1

REDAKTSIYA 1-69. MINISTERSTVO RADIOPROMYSH-

LENNOSTI SSSR. pp. 1-61

Process in as

MT72-24-1679

*Negative
6 Oct 72*

Pottosin, I. V.

Completed Special

*Instructions for compiling and running a card deck
through the AIST-0 system FON program.*

INSTRUKSIYA PO SOSTAVLENIYU I PROPUSKU PAKETA ZADACH

CHEREZ SP FON SISTEMY AIST-0, 1972, pp 1-2

CSO: 0822/73

nov 72

COMPLETED SPECIAL

CSO: 0286/72
10 Aug 71

Instructions for filling out blanks for the one-time calculation of outlays for production of output during 1966, by the Central statistical administration under the council of ministers USSR. 117 pp.

INSTRUKTSIYA PO ZAPPLNANIYA BLANKOY YEDINOVREMENNOGO UCHETA ZATRAT NA PROIZVODSTVO, 1966, pp 1-64

Instruments and Methods in Radio Astronomy, by
N. I. Kaidanovskiy.
RUSSIAN, bk, Instrumenty i Metody Radioastronomiy,
1973.
*IPST

Sept 73

Integral, Measure, and Derivative (in Linear Space),
by G. E. Shilov,
RUSSIAN, bk, Integral, Mera i Proizvodnaya (na Lin-
siykh Prostranstvakh), Nauka Press.
*Plenum Press

Aug 66

COMPLETED SPECIAL

CSO:22643

7 Oct 68

INTEGRALNAYA ELEKTRONIKA, No 1, 1968, pp 3-4, 4-43,
44-71, 72-89, 90-115, 116-144, 145-166, 167-186,
187-199, 200-215, 216

REQ TR CHECK

4-5-12

TEM9

INTEGRAL EVALUATION OF THE QUALITY OF THE
TELEVISION PICTURE

ANTIPIN, M.V.

UR-INTEGRAL: NAYA OTSENKA KACHESTVA TELE-
VIZIONNOGO IZOBRAZHENIYA, 1970, pp 1-153

Process in as

MT 72-24-1237

neg 15 May 72

Integral Manifolds in Nonlinear Mechanics, by
Yu. A. Mitropol'skiy.
RUSSIAN, bk, Integral'nye Mnogoobraziya v Nelineinoy
Mekhanike, 1973.
*IPST

Nov 72

Integral Transformations and Representation
of Functions in a Complex Domain, by M. M.
Dzhrbashyan,
RUSSIAN, bk, Integral'nye Preobrazovaniya
Predstaclenie Funktskiy v Komplexesnoi Ob-
lasti,
*CB

Oct 66

Integral Method of Experimental Determination of
the β in Reactors with a Hard Neutron Spectrum,
by A. I. Mogil'ner, 6 pp.
RUSSIAN, mono, Integral'nyy Metod Eksperimental'-
nogo Opredeleniya Velichiny β v Reaktorakh
S Zhestkim Spektrom Neytronov. Obninsk, 1969, 8 pp.
JPRS 52290

Sci-Phys
Feb 71

Integral Methods in Dynamics, by A. N. Golubentsev,
268 pp.
RUSSIAN, bk, Integral'nyye Metody v Dinamike,
1967, pp 1-350.
AIR/FTD/HT-23-145-69

Sci-Math
Jul 70

RUSSIAN *Comp 11*
991P CSO: 01399/73 W
23 Jan. 1973 SF

An integrated system for planning the National
Economy of a Union Republic. (Russian) KRYATSAES.

Vil'njus, Integrivovannaya sistema planirovaniya
natsionalnogo ekonomicheskogo kompleksa

Ad Hoc
Special type B
Do not publish
Original plus one

Interference and Spectra of Waves in Seismic
Prospecting, by N. Ye. Hryn'. 111 pp.
RUSSIAN, bk, Interferentsiya i Spektry Khvyl' U
Seysmorozvidtsai, 1965, pp 1-128.
AIR/PTD/IT-23-288-68

sci/physics
aug 69

388,580

V. D. Solov'ev

T. A. Bektemirov

Interferon in medical theory and practice. 272 pp
RUSSIAN, bk, Interferon v teorii i praktike meditsiny,
1970.

Consultants Bureau/Plenum Press

may 72

Interferon-Inducing Properties of Certain Strain
of Tick Borne Encephalitis Virus, by

A. A. Grokhovskaya, 7 pp.

RUSSIAN, bk. Interferonogennyye Svoystva Neko-
trykh Shtammov Virusa Ikeshchevogo Entsefalita,

31 Oct 1969, pp 207-210.

ACSI-K-0490

FSTC-HT-23-1543-71

Oct 71

Introduction, by N. A. Zeytlyonok, 6 pp.
RUSSIAN, bk, Interferony i Interferonogony.
Moscow, Vol 10, 1967, pp 7-14.
JPRS 48888

Sci-REM
Sept 69

392,517

Interferons and Interferonogens: Their Potential
Use in Medicine, by M. P. Chumakov,
N. A. Zeytlyonok, 21 pp.
RUSSIAN, bk. Interferony i Interferonogeny,
Moscow, Vol 10, 1967, pp 15-36.
JPRS 48888

Sci-B&M
Sept 69

392,518

Sensitivity of Viruses to Interferon (Interfering
Action) and the Role of This Factor in the
Pathogenesis of Viral Infections, by
L. M. Mentkevich, T. G. Orlova, 5 pp.
RUSSIAN, bk. Interferony i Interferonogeny.
Moscow, Vol 10, 1967, pp 173-178.
JPRS 48888

Sci-B&M

COMPLETED SPECIAL

CSO: 02906/71
1 July 1971

Bovin, A.

Internationalism and our epoch.

INTERNATSIONALIZM I NACHA EPOKHU, 1965, pp 3-39

Interpolation Transformations with Constant Coefficients, Improving the Convergence of Sequences, 5 pp.

RUSSIAN, rpt. Interpolyatsionnyye Preobrazovaniya s Postoyannymi Koeffitsiyentami Uluchsheniye Skhodimosti Posledovatel'nostey, 1969.

ACSI-K-0954

Dec 71

Interpretation and Application of Satellite Data in
Weather Analysis and Forecasting, by A. I. Burtsev.
RUSSIAN, bk, Interpretatsiya i Ispol'zovaniye
Sputnikovykh Danykh v Analize i Prognoze Pogody,
1971, 143 pp.
*IPST

Sept 72

N71-10991*// National Aeronautics and Space Administration,
Washington, D.C.

INFRARED PICTURES OF CLOUD COVER TAKEN BY THE
COSMOS-122 SATELLITE [INFRAKRASNYYE
IZOBRAZHENIYA OBLACHNOSTI SO SPUTNIKA
KOSMOS-122]

I. P. Vetlov 1970 17 p refs Transl. into ENGLISH from
Interpretatsiya i Ispol' Zovaniye Sputnikovykh Danykh, GMTs
(USSR), no. 20, 1968 p 11 - 21
(NASA-11-F-13302) Avail: NTIS CSCL 04B

On the Solution of Geodetic Adjustment
Problems by the Method of Square Pro-
gramming, by V. G. Nazarenko.
RUSSIAN, per, Inzhonernaya Geodeziya,
No 3, 1966, pp 50-54.
ACIC TC-1439

Sci-Math
Feb 69

375,408

Friction and Wear of Plastic Bearings in the Machine Assemblies During Conditions of Inadequate Lubrication and Methods of Increasing Their Efficiency, by Yu. A. Yevdokimov. 13 pp.

RUSSIAN, rpt, Inzhenernaya Mekhanika Polimerov i Primeneniye Plastmass v Promyshlennosti. Materialy Respublikanskogo Soveshchaniya, 1969, pp 137-145.
AIR/FTD-MT-24-926-71

jan 72

Wear of Steel Parts During Friction With Polymers
and the Optimum Composition of Plastics, by
G. A. Gorokhovskiy, 8 pp.

RUSSIAN, rpt, Inzhenernaya Mekhanika Polimerov i
Primeneniye Plastmass v Promyshlennosti, 1969, pp 151-
155.

AIR/FTD/HC-23-366-71

Nov 71

J
Rolling Resistance of a Bearing With Plastic Balls
at the Start of Motion, by B. M. Morozov. 11 pp.
RUSSIAN, rpt, Inzhenernaya Mekhanika Polimerov i
Primeneniye Plastmass v Promyshlennosti, 1969 pp
161-167.
AIR/FTD-HC-23-375-71

Oct 71

REQ TR CHECK

15-12-7

TZ44

SOME MECHANICAL PROPERTIES OF PLASTICS
REINFORCED WITH NEW TYPES OF GLASS FIBERS
ASLANOVA M S; ROGINSKIY S L
UR: INZHERNERNAYA MEKHANIKA POLIMEROV I
PRIMENENIYE PLASTMASS V PROMYSHLENNOSTI.
MATERIALY. 1969, pp 183-188

In process as
Negative
5 Jan. 72
MT-24-72-286

Chapter 1: Characteristics of the Operator of
an ILS, by G. P. Popov, 28 pp.
RUSSIAN, bk, Inzhenernaya Psikhologiya V Radio-
lokatsii (Sistema Indikator-Operator), Moscow,
1971, 144 pp.
JPRS 55522

Mar 72

Chapter 2: Statistical Analysis of the Process of
Signal Detection by an RLS Operator, by
G. F. Popov, 57 pp.
RUSSIAN, bk, Inzhenernaya Psikhologiya V Radio-
lokatsii (Sistema Indikator-Operator), Moscow,
1971, 144 pp.
JPRS 55522

Mar 72

Chapter 3: Experimental Methods of Investigating the Indicator-Operator Link, by G.P. Popov
23 pp.

RUSSIAN, bk. Inzhenernaya Psikhologiya V Radiolokatsii (Sistema Indikator-Operator),
Moscow, 1971, 44 pp.
JPRS 55522

Mar 72

Chapter 4: Matching the Characteristics of
the Operator and of the Information Display
Device, by G.P. Popov, 18 pp.
RUSSIAN, bk. Inzhenernaya Psikhologiya V
Radiolokatsii (sistema Indikator-Operator).
Moscow, 144 pp.
JPRS 55522

Apr 72

Application of Seismic Exploration Methods in
Engineering-Geological Investigations, by
V. I. Bibanov, et al
RUSSIAN, per, Inzhenernaya Seismologiya, No 3/4,
1966, pp 38-44.
NTC 71-14319-08I
CIA x 6680

Feb 72

Investigation of Alloys of the Nb-Zn
System, by A. I. Yevstyukhin, Yu. G. Godin,
9 pp.

RUSSIAN, per, Moscow. Inzhenerno-
Fizicheskii Institut. Metallurgiya i
Metallovedeniye Chistykh Metallov, No 5,
1966, pp 51-59.
AIR/FTD/HT-23-1204-67

Sci/Materials
Jan 69

353,247

ya

The Structural Diagram of UC-W and Diffusion
of U From UC into W, by A. I. Yevstyukhin,
G. B. Fedorov, 5 pp.
RUSSIAN, per. Inzhenerno-Fizicheskiy Institut.
Metallurgiya i Metallovedeniye Chistykh
Metallov, No 5, 1966, pp 99-104.
AIR/FTD/RX-23-1164-67

Sci-Phys
Jan 69

370,807

Corrosion of Chromium-Nickel Stainless Steel
in Lithium, by N. M. Beskorovaynyy, V. K. Ivanov,
7 pp.

RUSSIAN, per, Moscow. Inzhenerno-Fizicheskiy
Institut. Metallurgiya i Metallovedeniye Chistykh
Metallov, No 5, 1966, pp 163-172. F100173868-V
FTD-MT-24-262-67

Sci/Mat

Aug 68

364.802

Apparatus for Extrusion of Metals Using a High
Pressure Fluid, by Ye. D. Martynov,
B. I. Beresnev, 17 pp.
RUSSIAN, per. Moscow, Inzhenerno-Fizicheskiy
Institut, Metallurgiya i Metallovedeniye
Chistykh Metallov, No 5, 1966, pp 173-188.
AIR/FTD-MT-24-271-67

Sci-Mat
Nov 68

368,202

Device for Dynamic Testing of Metals and Alloys in Limited Heat Carriers at High Pressures and Temperatures, by Yu. F. Bychkov, I. D. Laptev.

RUSSIAN, per, Inzhenerno-Fizicheskiy Inst Metallurgiya i Metallovedeniye Chistykh Metallov, No 5, 1966, pp 199-203.
AIR/FTD/HT-23-1579-67

Sci-Materials
Feb 69

374,402

Investigation of Carbide Region of Ta-Hf-C System,
by V. S. Yamel'yanov, A. I. Yevstyukhin, et al.
7 pp.
RUSSIAN, per, Moscow. Inzhenerno-Fiz Inst. Metal
i Metalloved Chistykh Metallov, No 6, 1967,
pp 108-114.
AIR/FTD/MT-24-362-69

Sci-Phys
June 70

Lanthanum Hexaborate (LaB₆) and Zirconium Carbide
Cathodes for an Injector-buncher, by V. F. Gass.
RUSSIAN, par, Moscow. Inzhenerno-Fizicheskiy
Institut. Uskoriteli, No 7, 1965, pp 83-85.
*FTD-HT-23-460-68

Sci/Phys
June 68

Possibility of Using an Iris Waveguide as an
Accelerating Section in a Proton Synchrotron, by
Ye. K. Aleshin, Yu. A. Khlestkov, et al. 11 pp.
RUSSIAN, per, #mosc. Inzhenerno-Fizicheskiy
Institut. Uskoriteli, No 9, 1967, pp 110-119.
ATR/PTD/II-24-182-69

sci/physics
mar 70

404,3 378

N. M. Gavrilov

High-frequency focusing of electrons in an electron-ion beam. 8 pp.

RUSSIAN, Inzhenerno-Fizicheskiy Institut. Uskoriteli,

1970, pp 138-143

AIR/FTD-MT-24-1072-72

dec 72

Distribution of Radiation Appearing in a Slit
During Direct Transmission From a Circular
Plane Source, by V. S. Anastasovich. 6 pp.
RUSSIAN, per, Moscow. Inzhenerno-Fizicheskiy
Institut. Voprosy Dozimetrii i Zashchity ot
Izlucheniya, No 6, 1967, pp 78-83.
ATR/FTD/HL-23-61-69

sci/nuclear sci
oct 69

394,313

*Investigating the dose field of an electron beam, by
I. F. Moiseyev, B. Ya. Narkevich. 6 pp.
RUSSIAN, per, Moscow. Inzhenerno-fizicheskiy institut.
Voprosy dozimetrii i zashchity ot izlucheniya, No 9, 1969
pp 77-81.
AIR/FTD-HT-23-1101-71*

apr 72

INZHENERNO-FIZICHESKIY ZHURNAL
(Journal of Engineering Physics-
monthly)
Translation begins with 1965,
Vol. 8, No. 1
Order from: The Faraday Press, Inc.
84 Fifth Avenue
New York, N.Y. 10011
1971: \$ 150.00/year USA and Canada
\$ 155.00/year elsewhere
\$ 25.00 single issues
Price of back volumes: \$ 150.00/year

Russ

Contribution to the Nucleate Boiling Heat Transfer Theory, by S. S. Kutatcladze, et al.
RUSSIAN, per, Inzhen Fiz Zhur, Vol VIII, No 1,
1965, pp 7-10.
AEC/Risley Tr 823
On Loan Only

CB 193/823

Sci
Jun 65

Reznikov, B. I.

The fusion of a metal body in the vicinity of critical point. 9 pp.

INZHENERNO-FIZ. ZHUR, Vol 8, No 1, 1965, pp 93-97

FTD-TT-65-866 9698653

nov 65

Distortion of a Jet in a Deflecting Flow,
by Ya. M. Vizol, I. L. Mostinskiy.
RUSSIAN, por, Inzhen Fiz Zhur, Vol VIII, No 2,
1965, pp 238-242.
Dept of Navy Tr 4549/APL No T-1512

Sci - Eng
Dec 65

292,778

Experimental Investigation of Heat and
Mass Transfer in the Condensation of
Water Vapour from Moist Air on a Vertical
Surface under Natural Convection Conditions,
by P. M. Brdlik.

RUSSIAN, per, Inzhenerno-Fizicheski
Zhurnal, Vol 8, No 2, 1965, pp 243-246.

NLL RTS 3066

Sci-Phys

1.1 66

Ignition Regularities of Condensed Explosive Systems
with Ideal Heat Exchange at the Surface with
Allowance for Burnup, by A. E. Averson and
V. V. Barzykin, et al.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
No 2, Aug 1965, pp 246-249.
Army Mat Cmd
SI-7-75-630

Sci-Phys
Mat 67

320,154

Stability of Systems of Parallel Steam Generat-
ing Tubes, by V. I. Badnikov and A. V. Sergievskii.
RUSSIAN, per, Inzhenerno-Fizicheskii Zhurnal.
Vol 8, No 3, 1965, pp 300-306.
NLL RRS 3124

Sci-Mech
Nov 67

345.304

Application of Finite Integral Transformations to
to the Solution of the Nonstationary Heat Conducti
Conductivity Problem of Hollow Cylinders with
a Moving Internal Boundary, by G. A. Surkov.
RUSSIAN, per, Inzhn Fiz Zhur, Vol VIII, No 3,
1965, pp 375-379. 9232198
AEC-ANL-Tr-260

Sci - Eng
Mar 66

298,513

Laminar Heat Exchange in the Inlet Section of a
Rectangular Channel, by I. N. Sadikov.
RUSSIAN, per, Inzhenerno-Fizicheski Zhurnal,
Vol 8, 1965, pp 423-429.
NTC 71-14242-20M
Nasa TTF 9548

Feb 72

Turbulence Studies in Conjunction with the
Determination of the Acoustic Characteristics
of a Jet, by Ye V. Vlasov.
RUSSIAN, per, Inzh. Fiz. Zh., Vol 8, No 5,
1965, pp 568-573.
NASA TT R-9896

Sci-Aero
Apr 66

298,807

On the Entrained Mass of a Supersonic
Jet in Off-Design Systems, by B. A. Balanin,
9 pp.
RUSSIAN, per, Inzhenerno-Fiz Zhur, Vol VIII,
No 5, 1965, pp 574-578. TP5002844
FTD-TT-65-1719

Sci - Aeronautics
Dec 66

314,198

Perturbations of Supersonic Flow Caused
by Discrete or Continuously Distributed
Heat and Mass Flows, by N. D. Kovalenko,
5 pp.

RUSSIAN, per, Inzhon-Fiz Zhur, No 5,
1965, pp 684-686. 9699010
FTD-TT-65-1619

Sci - Engr
Jan 66

294,734

A System of Plane Turbulent Jets, by
I. S. Makarov, B. G. Khudenko. 14 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 9, No 2, 1965, pp 180-186. P100105868-V
FTD-HT-23-854-67

Sci/Physics
June 68

357,144

Critical Resistance and Critical Velocity of
Fluidization of Fine-Grained Materials in Conical
Apparatus, by A.P. Baskakov, L.G. Gal'perin.
RUSSIAN, per, Inzhenerno-Fizicheskii Zhurnal,
Vol 9, No 2, 1965, pp 217-222. 9232780
ABC ANL-tr-290

Sci/Physics
Jun 66

302,506

NonLinear Stationary System of Differential
Equations of Heat and Mass Transfer, by
M. S. Smirnov.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 9, No 2, 1965, pp 250-254. P100105868-V
FTD-HT-23-854-67

ATS-RJ-5411

Sci/Math
June 68

359,289

Irreversible Thermodynamics and Derivation of
a System of Differential Equations of
Molecular Transfer, by P. V. Tsoy.
RUSSIAN, par, Inzh Fiz Zhur, Vol IX, 1965,
pp 318-322.
NASA TT F-10,318

Sci-Phys

Nov 66

Methods for Measuring Large Heat Fluxes, by
V. I. Sorgayev, 10 pp.
RUSSIAN, per. Inzhenerno-Fizicheskiy Zhurnal,
Vol 9, No 4, 1965. pp 427-432. F100059668-V
FTD-HT-67-57

Sci-Phys
Apr 68

352,256

Calculation of Condensation Shocks in a
Relatively Low Pressure Range, by V. F.
Stepanchuk, 8 pp
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 9, No 4, 1965, pp 438-443.
P100154868-V
FTD-HT-67-175

Sci-Aeronautics
Aug 68

362,314

Nonlinear Heat and Mass Transfer Problems, by
M. S. Smirnov, 6 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal.
Vol 9, No 5, 1965, pp 567-570.
AIR/FTD/HT-23-788-67 AD 679 799

Sci-Phys
Feb 69

372,983

A Method for Complex Simulation of Nonstationary
Mass and Heat Transfer Processes, by N. A.
Fridlander, 10 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 9, No 5, 1965, pp 577-582. F100047868-V
PTD-HI-67-164

Sci-Phy
Apr 68

352,105

Experimental Research on Heat Transfer in the
Region of the Stagnation Point, by L. V. Sergeyev.
9 pp.

RUSSIAN, per. Inzhenerno-Fizicheskiy Zhurnal.

Vol 9, No 5, 1965, pp 657-666.

AIR/FTD/HT-23-788-67 AD 679 799

Sci-Phys
Feb 69

372.984

A Method of Determining the Thermal Conductivity
of Powdery and Fibrous Insulation as a Function
of the Pressure of the Gas Filler, by G. N.

Dul'nev, et al.

RUSSIAN, per, Inzh. Fiz Zhurnal, Vol 9, No 6,
1965, pp 751-756.

NLL Ref: 3774.5B 1966 (1428)

Sci-Phys

Aug 66

309,139

Investigation of the Thermophysical
Properties of Chamotte Ceramics in the
80-1200K Range, by L. L. Vasiliev, I.
E. Fraiman, 6p.
RUSSIAN, per, Inzhenerno-Fizicheski
Zhurnal, Vol 9, 1965, pp 762-7.
CFSTI TR-66-61303

332, 249

Sci
Jul 67

One-Parameter Solution of the Laminar
Boundary Layer Equations in a Gas Flow
With Arbitrary External Velocity and
Temperature Drop, by S. M. Kapustyanskiy,
7 pp.

RUSSIAN, per, Inzh-Phys Zhur, Vol IX,
No 6, 1965, pp 768-774.
CIA/FDD X-5807

Sci - Phys
Feb 66
FOR OFFICIAL USE ONLY

294,795

Heat Transfer from a Cylindrical Surface with
a Large Number of Ribs, by I. B. Tsosarskiy,
RUSSIAN, por. Izv. Fiz. Zh., Vol IX, No 6,
1965, pp 783-87,
NLL 9091.9F (windscale 258)

Sci-Phys
Apr 67

324,159

Kosarev, D. A.

*Steady state heat transfer through a wall with
longitudinal rectangular fins and a variable coefficient
of thermal conductivity. 8 pp.*

INZHENERNO-FIZICHESKIY ZHURNAL, Vol 9, No 6, 1965,
pp 788-792

FTD-HT-67-178

Dept of Navy 5439 APL/JHU T-2015

aug 68

Effect on Heat Exchange and Friction of Coolant
Supply in Turbulent Boundary Layer,
by P. N. Romanenko, V. N. Kharchenko, 33 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 9, No 6, 1965, pp 816-833.
F100108968-V
FTD-MT-66-109

Sci/Chemistry
July 68

350,800

Some Problems in the Dimensionless Generalization
of the Characteristics of Blown Electric Arcs,
by A. S. Koroteyev, O. I. Yas'ko.
RUSSIAN, per, Inzh-fiz Zh, Ak Nauk Belorus SSR,
Vollo, No 1, 1966, pp 26-31.
ATS-RJ-5253

Sci-Phys
Mar 70

403,206

Conditions of the Flow of a Liquid Around Large
Gas Bubbles, by B. B. Brandt, D. I. Porazich,
5 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 10, No 2, 1966, pp 197-200. P100197268-V
FTD-MT-24-204-67

Sci/Phys
Sept 68

364,989

On a Method of Simulating Some Heat Conduction
Problems with Moving Boundaries, by A. A. Kosarev,
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol X, No 2, 1966, pp 228-234.
Dept of Navy Trans 5320/APL/JHU T-1996

Sci-Phys
May 67

326,177

Decreasing the Hydrodynamic Resistance of Pipelines, by I. T. Yel'perin.
RUSSIAN, par, Inzh-Fiz Zh, Vol 10, No 2, 1966,
pp 235-239.
ATS RJ-5410

Sci-Phys
June 70

Radiation Transfer by a Medium in Two-Dimensional Problems, by S. P. Detkov,
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol X, No 2, 1966, pp 245-251.
Dept of Navy Trans 5318/APL/JHU T-1994

Sci-Nucl Sci
May 67

326,175

Calculation of Gas-Dynamic Factors in the Calculation of Electric Arc Heaters with Vortex Gas Stabilisation of an Arc, by B. D. Voronin, A. M. Tsirlin, 12 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal, Vol 10, No 3, 1966, pp 287-293. P100329467
FFD-MT-67-38

Sci-Physics
Dec 67

344,392

Transport Processes When Injecting a Fuel-
Oxidizer Mixture Into a Reacting Boundary
Layer, by A.L. Mosse and G.T. Sergeev, 12 pp.
RUSSIAN, journal, Inzhenerno-Fizicheskiy
Zhurnal, Vol 10, No. 3, 1966, pp. 311-317.
P100007668
FTD-HT-23-790-67

Sci/Physics
July 67

351,537

Extrapolation of Experimental Thermal Data
to High Pressures, by I. Kh. Kipnis
RUSSIAN, per, Inzhenerno-Fizicheski Zhurnal,
Vol 10, 1966, pp 374-381 no 3
NTC 71-15159-20M
Nasa TTF 10, 386

mar 72

Aslanov, S. K.

*Calculation of flame wavelength during vibrational
combustion in tubes.*

INZHENERNO-FIZICHESKIY ZHURNAL, Vol 10, No 3, 1966,
pp 382-384

NAVY tr 4973 APL/JHU T-1926

nov 66

Brdlik, P. M.

*Heat transfer near the stagnation point in axisymmetric
jet flow over plane surfaces normal to the flow.*

INZHENERNO-FIZICHESKIY ZHURNAL, Vol 10, No 4, 1966,

pp 423-428

NAVY tr 4979 APL/JHU T-1932

navy nov 66

Experimental Determination of Critical Blow-In
Parameter on a Porous Plate, by A.I.
Leont'yev, B. P. Mironov, 9 PP.
RUSSIAN, par, Inzhenerno-Fizicheskiy Zhurnal, V.10,
No 4, 1966, pp 447-451
P100133968-V
FTD-HT-66-666

Sci-Physics
July 68

360,720

Comparison of Experimental Data and Semiempirical
Calculations for an Incompressible Turbulent Bound-
ary Layer with a Pressure Gradient, by

A. V. Kolesnikov

RUSSIAN, per, Inzhenerno-Fizicheski Zhurnal,

Vol 10, 1966, pp 465-471 *no 4*

NTC 71-15161-01A

Nasa TTF 10, 434

mar 72

Contribution to the Calculation of the Temperature Distribution on a Porous Plate, by S. A. Druzhinin, A. I. Leont'yev, RUSSIAN, per, Inzh. Fiz. Zhurnal, Vol X, No 4, 1966, pp 479-481.
NASA TT F-10,959

Sci-Phys
Jul 67

331,699

Agency: Pionirny Arsenal
Req. 128-70

R-11767-D
10 June 1970

Title: On the ignition of condensed materials under
conditions of constant surface temperature.

Author: Steinberg, A.S., et al.

Source: Izobrenno-fis Zh. Vol. 10, No. 4. *SPP*
pp. 482- (1966).

Language: Russian.

Special ~~XXXXXXXXXX~~

Instruction: Please translate & type 1 copy only.

Transl. Has been completed.

On a Method of Determining the Heat-conduction
Coefficient as a Function of the Temperature, by
V. A. Vertogradskiy
RUSSIAN, per, Inzhenerno-Fizicheskii Zhurnal,
Vol 10, No 4, 1966, pp 513-515.
Dept of Navy Tr 5026
APL/JHU T-1952

Sci/Physics
Dec 66

314,660

The Dependence of Transient Heat Transfer on
Heat Flux Density, by E.V. Kudryavtsev, et al.
RUSSIAN, per, Inzhenero-Fizicheskii Zhurnal,
Vol 10, No 5, 1966, pp 573-576. P911049367
NEC AN 6 393

Sci/Physics
Nov 66

Artificial Turbulisation of Flow in a Tube
Bundle, by V. K. Migul.
RUSSIAN, per, Inzhenerno-Fizicheskii Zhurnal,
Vol 10, No 5, 1966, pp 600-605.
AEC Disloy tr 1048 (on Loan)
NLL

Sci/Physics

Nov 66

311,611

Application of the Method of Integral Relations
to Solve Problems of the Ignition Theory, by
A. H. Grishin
RUSSIAN, per, Inzhenerno-Fizicheskii Zhurnal,
Vol 10, No 5, 1966, pp 653-659
Dept of Navy Tr 5028
APL/JRU T-1954

Sci/Physics
Dec 66

314,662

Application of the Variational Method for Solution of Heat Conduction Problems With Internal Heat Sources, by A. M. Fain.
RUSSIAN, per, Inzhenerno-Fizicheski Zhurnal,
Vol 10, No 5, 1966, pp 668-675. P911011167
ABC ANI-tr-392

Sci/Physics
Feb 67

318,557

Soviet Conference on Industrial Drying Processes,
by V. L. Shovel'kov, 12 pp.
RUSSIAN, per, Inzhenerno-fizicheskiy zhurnal,
Vol 10, No 5, May 1966, pp. 696-701.
JPRS 38039

USSR
Econ
Oct 66

313,485

System of Flat Turbulent Jets in a Chamber, by
I. S. Makarov, B. G. Khudenko,
RUSSIAN, per, Inzhenerno-Fizicheskii Zhurnal,
Vol 10, No 6, 1966, pp 707-711.
Dept of Nav- Tr 5024
API/JHU T-1950

Sci/Physics
Dec 66

314,658

Heating of a Cylinder with Internal Heat Generation
and Variable Heating Transfer Coefficient, by
Yu. V. Budin, 6 pp. *Vol*
RUSSIAN, per, Inzh Fiz Zh, No 11, 1966, pp 166-170.
AEC/Tr-6969-69

Sci/Phy
Apr 69

377,421

Contributions to the Solution of Nonstationary
Heat-Conduction Problems on Electrical Models,
by M. M. ~~M.~~ Ivanshchenko, M. S. Zolotogorov,
8 pp. *III.*
RUSSIAN, per, *Val* Inzh Fiz Zh No 11, 1966, pp 225-229.
AEC-Tr-6970-69

Sci/Phy
Apr 69

377,424

Flame Configuration in Entangled Streams,
by V. A. Dvoynishnikov, A. S. Ippolitov,
10 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 11, No 2, 1966, pp 250-257.
AIR/FTD/HT-23-1080-67
AD 677514

Sci/Phys
Jan 69

353,204

The Effect of the Number of Active Nuclei in
the Rate of Heat Transfer in Large-Volume
Nucleate Boiling, by G? N? Danilova,
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 11, No 3, 1966, pp 367-370.
NASA TT P-11,305

Sci-Nucl Sci
Jan 68

347,654

Theory of Flame Stability, by S. K. Aslanov.
RUSSIAN, per, Inzhenerno-Fiz Zhurnal, Vol
11, No 4, 1966, pp 472-478.
AIR/FTD/HT-23-472-68

Sci-Prop & Fuels
Apr 69

379,852

On the Heat Exchange Mechanism in a
Pseudo-Liquefied Layer, by A. G. Gorolik,
8 pp.
RUSSIAN, per, Inzhen Fiz Zhur, Vol XI,
No 4, 1966, pp 495-502.
CIA/FDD X-6170

Sci - Mech, Industrial, Civil
& Marine Engr
Apr 67
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322,017