

On the Theoretical Analysis of the Oscillatory
Propagation of a Flame in Tubes, by
S. K. Aslanov. 5 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 7, No 3, 1967, pp 118-120.
AIR.FID.HF-23-392-68

1964

sci/propulsion and fuels
may 69

381,267

Nonlinear Heat Conduction Problem of a Plane-parallel Wall With a Temperature-Dependent Source, by L. M. Galonen.

RUSSIAN, per, Inzh. Fiz. Zh., Vol 7, No 3, 1964, pp 124-127. P911052467

⊙AEC ANL W 408

Sci/Physics
Jan 67

Graphs For the Determination of the
Temperature Field in Time in Rods or
Sheets of Finite Length With Internal
Heat Liberation, by A. Kessler.

RUSSIAN, per, Inzhenerno-Fizicheskiy
Zhurnal, Vol 7, No 3, 1964, pp 134-136.
NASA TT F-11,826

Sci/Phys
Oct 68

369,047

The Effect of a Nonisothermal Surface on Heat
Exchange of a Plate in a Longitudinal Flow, by
A.A. Zhukauskas, A.B. Ambrazyavichyus, et al.
9 pp.

RUSSIAN, per, Inzhenerno-Fizicheskii Zhurnal,
Vol 7, No 4, 1964, pp 3-7. P100026866
FTD-TT-65-1975

Sci/Mech, Indust, Civil
& Marine Engr.
Sep 66'

309,422

Investigation of Influence of Inlet Conditions
on Heat Exchange in the Initial Length of a
Pipe, by P. N. Romanenko and N. V. Krylova,
RUSSIAN, per, Inzhenero-Fizicheskiy Zhurnal,
Vol VIII, No 4, 1964, pp 8-17. P100142166
FTD-MT-65-558

Vol 7

Sci-Mech, Indust, Ect
Feb 67

318,234

Study of the Transition of a Turbulent
Boundary Layer into a Laminar One,
by M. E. Deich, L. Ya. Lazarev.
RUSSIAN, per, Inzhenerno-Fizicheski
Zhurnal, Vol VII, No 4, 1964,
pp 18-24.
Dept of Navy Tr 4744/APL/JHU TG 230-T470

Sci-Phys
Jun 66

302,192

Generalization of Characteristics of Electric
Arc Heaters, by S. S. Kutateladze, O. I. Yas'ko,
4 pp.

RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal.

Vol 7, No 4, 1964, pp 25-27.

AIR/FTD/HT-23-1307-67

AD 679 731

Sci-Phys

Feb 69

372.972

The Question of the Calculation of Viscosity or
Real Gases, by A. A. Vasserman, V. A. Rabinovich.
37 pp.

RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,

Vol 7, 1964, pp 44-50. 9700941 No4

FTD-MT-65-182

CFSTI AD-634,806

Sci/Physics

Aug 66

306,269

Study of the Thermophysical Characteristics
of Materials in the Form of Plates or
Coatings by a Method With a Constant Power
Source, by A. B. Verzhinskaya.

RUSSIAN, per, Inzh. Fiz. Zhurnal, Vol 7,
No 4, 1964, pp 58-65.

NLL Ref: 9022.09B 1966 (4181)

CB 10/4/81

Sci-Phys

Aug 66

309,141

Differential Methods of Investigation of Radiation Heat Transfer, by V. N. Adrianov, G. L. Polyak. 37 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 7, 1964, pp 74-80. 9700941 *no 4*
FTD-MT-65-182

Sci/Physics
Aug 66

306,270

Turbulent Burning of Methane-Oxygen Mixtures,
by F. D. Moin and V. U. Shevchuk,
RUSSIAN, per, Inzhenero-Fizicheskii Zhurnal,
Vol VII, No 4, 1964, pp 111-113. P100142166
FTD-MT-65-558

Sci-Phys
Feb 67

518,235

General Injection Equation for Mixers During Work
With Variable Stream Parameters, by A.Ye. Yerinov,
B. S. Soroka. 37 pp.

RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,

Vol 7, 1964, pp 114-120. 9700941 *SWH*

FTD-NT-65-182

Sci/Physics
Aug 66

306,271

Boiling Mechanism of Liquid Sodium and
Heating Surface With Free Convection, by
V. I. Deyev, A. N. ~~SAY~~ Solovyev.
RUSSIAN, per, Inz Fiz Zhur, Vol VII, No 6,
1964, pp 8-12.

AEC-Dounreay Tr No 166
Available on loan only

FTD-TT-65-907

Sci
Dec 64

A Study of Arc-Plasmatron Operation, by
V. B. Tikhomirov, I. V. Varlamov, 7 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 7, No 6, 1964, pp 16-19.
AIR/FTD/HT-23-1361-67 AD 679 663

Sci-Phys
Feb 69

372,964

Characteristics of Film Boiling During Surface
Water Cooling, by A.D. Akimenko.

RUSSIAN, per, Inzh. Fiz. Zh. Vol 7, No 6, 1964, pp
pp 32-34.

AEC WAPD-Tr-9

X NASA - TT - F - 10, 184

Sci/Physics
May 66

301,072

Certain Laws of Flow in Very Rough Tubes,
by R. S. Tyul'panov, 5 pp.
RUSSIAN, per, Inzhenero Fiz Zhur, N Vol VII, No 6,
1964, pp 40-43. 9226779
AEC-WAPD-Tr-8

AEC-Windscale - Tr - 148

Sci-Phys
Feb 65

273,435

Effect of Rarefaction on the Processes of
Gasdynamic Friction During Blowing or
Suction Through the Wall Adjacent to the
Flow, by Yu. A. Koshmarov.

RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 7, No 6, 1964, pp 48-54. 9231617
NASA TT P-406

USSR
Sci/Physics
Feb 66

294,665

A New Method of Investigating Radiative Heat
Transfer, by G.L. Polyak, V.N. Adrianov. 12 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
No 6, 1964, pp 63-69. P100011666
FTD-TT-65-2024

Sci/Physics
Sep 66

309,354

Representation of the Equation of
State of a Real Gas by Elementary
Functions and Methods of Their
Determination, by Ya. Z. Kazavchinskiy.
RUSSIAN, per, Inzh Fiz Zhur, Vol VII, No 6,
1964, pp 129-134.
NASA TT F-10,078

Sci-Phys

Jul 66

304,272

The Effect of Flow Velocity of Subcooled Water
on Critical Heat Fluxes, by B. A. Zerkovich, 5 pp.
RUSSIAN, per, Inzh Fiz Zhar, Vol 7, No 7, 1964,
pp 43-46. P91192167
AEC WAPD Tr-49

327,903

Sci - Physics
Jun 67

Measurement of the Speed of Gas in an Inflamm-
able Medium, by G.D. Salamandra, I.K. Fedoseyeva,
19 pp.

RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 7, No 7, Jul 1964, pp 47-52. F100030466
FTD-MT-65-184

Sci/Physics
Oct 66

309,488

Characteristics of an Arc Heater With two Cooled
Electrodes, by V. L. Sergeyev, et al.
RUSSIAN, per, Inzhenerno-fizicheskiy Zhurnal,
No 7, 1964, pp 62-64.
*FTD-HT-23-1308-67

Sci/Physics
Sep 67

Application of the Zonal Method of Calculation
to Asymmetric Problems of Thermal Conduction, by
Yu.V. Vidin, G.P. Boykov, 19 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 7, No 7, Jul 1964, pp 75-79, P100030466
FTD-MT-65-184

Sci/Physics
Oct 66

309,489

Application of Integral Transformations to
the Solution of Heat Conductivity Problems
With a Moving Boundary, by G. A. Surkov,
V. I. Krylovich, 9 pp.
RUSSIAN, per, Inzh Fiz Zhur, Vol 7, No 7,
1964, pp 80-86.
AEC ANL Tr-261

326,411

Sci - Nuclear Science
May 67

Some Experimental Data on the Effect of Pressure
Upon Oscillatory Spreading of a Flame in a Tube,
by V. V. Kurzhunov. 8 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
No 7, 1964, pp 91-95. P100011366
FTD-TT-65-1976

Sci/Physics
Sop 66

309,338

Criteria Formula for Critical Heat Fluxes in
Forced Motion of a Subcooled Liquid, by K. M.
Araçyev, I. A. Gnadina, 8 pp.
RUSSIAN, per, Inzh Fiz Zhurnal, Vol 7, No 8,
1964, pp 3-8. F91192267
AEC WAPD Tr-48

327,901

Sci - Physics
Jun 67

R-4991-D

Determination of Coefficient of Longitudinal
Turbulent Diffusion, by V. V. Dil'man, T. A. Zhilyayeva,
et al.

RUSSIAN, per, Inzhen Fiz Zhur, Vol VII, No 8, 1964,
pp 55-58.

*JPRS/Air Force

Scmi
Feb 65

Origination of Condensations in
Supersonic Flows of Rarefied Gases, by
A. A. Pomerantsev, 8 pp.
RUSSIAN, per, Inzhenerno-Fiz Zhur,
No 8, 1964, pp 59-63. 9698195
FTD-TT-65-621

Sci - Fuels & Prop
Nov 65

291,896

The Relationship Between Heat Content and Velocity
for the Motion of a Gas at the Boundary Layer,
by I. P. Ginzburg.
RUSSIAN, per, Inzh Fiz Zhur, Vol VII, No 8,
1964, pp 64-76.
NASA TT F-9280

Sci-Phys
May 65

280,180

The Vibration Mechanism of a Caseous Mixture
Combustion, by A. S. Aslanov, V. V. Kurzhunov.
RUSSIAN, per, Inzhen Fiz Zhuk, Vol VII, No 8, 1964,
pp 124-127.
NASA TT F-9347

Sci-Phys
Jun 65

281,091

Calculation of Process of Evacuation of a
Gas Volume, by N. P. Belik, N. M. Belyayev,
et al. 8 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol VII, No 9, 1964, pp 25-29.
FTD MT 65-329

Sci-Phys
May 67

324,976

Critical Heat Fluxes in Annular Channels with
Heat Supply from Two Sides, by G. V. Alekseev, et al.
RUSSIAN, per, Inzhenerno-Fizicheskii Zhurnal,
Vol 7, No 9, 1964, pp 30-33. 9229787
NTG 71-14010-18I
AEC WAPP-TR-17

Feb 72

291,998

Heat Exchange Between a Moving Dispersed
Medium and the Wall of a Pipe, by
V. I. Malyukevich, 10 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal
Vol VII, No 9, 1964, pp 38-43.
FTD MT 65-329

Sci-Phys

May 67

324,977

Heat Transfer in the Initial Sections of Flat
and Rectangular Channels, by J. N. Sadikov.
RUSSIAN, per, Inzhenerno-Fizicheski Zhurnal,
Vol 7, No 9, 1964, pp 44-51. 9229771
NTC 71-14000-20M
REC WARD-Tr-19

Feb 72

291,917

Non-Stationary Problems of Thermoelasticity
for a Plate and a Cylindrical Shell,
by V. F. Kolesov, 10 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal
Vol VII, No 9, 1964, pp 64-70.
ETD MT 65-329

Sci-Phys
May 67

324,978

Solution of Non-Homogeneous Equation of
Thermal Conduction for Multilayered Bodies,
by P. Ye. Bulavin, V. M. Kashcheyev, 10 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol VII, No 9, 1964, pp 71-77.
FTD MT 65-329

Sci-Phys
May 67

324,979

Some Results of Temperature Field Studies in
Cooled Electric Arc Heater Components on
Composite Electric Models, by L. A. Kozdoba,
V. I. Krylovich, 7 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 7, No 9, 1964, pp 78-82.
AIR/FTD/HT-23-1309-67 AD 679 368

Sci-Phys
Feb 69

373.022

Block Diagrams of Measurements of Parameters
of Flows with the Help of Thermistors,
by A. G. Shashkov, 9 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol VII, No 9, 1964, pp 83-87.
FTD MT 65-329

Sci-Phys
May67

324,980

Influence of Temperature Conditions on
Stability of Rotational Motion of a
Liquid, by S. K. Aslanov, 7 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol VII, No 9, 1964, pp 88-91.
FTD MT 65-329

Sci-Phyks 324,981
May 67

Concerning the Use of Two-Phase Systems
as a Thermodynamic Working Medium, by
T. T. El'perin, V. A. Minkov, 9 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol VII, No 9, 1964, pp 102-107.
FTD MT 65-329

Sci-Phys
May 67

324,982

Critical Heat Fluxes in Annular Channels With
Bilateral Heat Supply, by G. V. Alekseyev,
et al.

RUSSIAN, per, Inzhen Fiz Zhur, Vol VII, No 9,
1964, pp .

AEC/Risley Tr 751
On loan only

Apr 65

R-5536-D
8 July 65

Determination of Materials Emisivity from Their
Infrared Reflection Spectra

By: M.A. Kropotkin and B. P. Kozyrev

From: Journal of Engineering Physics, Vol VII No. 9
Sept. 1964 pages 108-112 (5 pp)

Russian-est for wds:

Type an original copy only.

On the Cause of Noise in Boiling of Liquids
and Metals, by E. I. Nesis.
RUSSIAN, per, Inzhen Fiz Zhur, Vol VII,
No 9, 1964, pp 113-117.
AEC/Dounreay Tr No 183
On Loan only
GB 306/183

Sci
Jun 65

NCH-202 363 (p.240-244)

Field 20D, 13G

Kosterin, S. I.; Finatov, Y. P.
CALCULATING THE HYDRAULIC RESISTANCE IN
ANNULAR CHANNELS. Apr 65, 5p, 14refs.
Order from ICE in International Chemical Engineering,
v5 n2

Trans. of Inzhenerno-Fizicheski Zhurnal (USSR)
v7 n10 p6-13 1964.
See also 'Translated or Abstracted Publications,'
in TT Vol. 14, No. 8.

I. American Institute of
Chemical Engineers
New York, N. Y.

Calculation of the Main Portion of an Axially
Symmetric Turbulent Stream of a Real Gas, by
V. I. Bakulev. 21 pp.

RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
Vol 7, No 10, 1964, pp 14-20. 9700945
FTD-MT-65-185

Sci/Physics
Aug 66

306,241

Flame Propagation in Laminar and Turbulent Flows,
by A. P. Kovalev, A.S. Ippolitov, et al. 21 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal
Vol 7, No 10, 1964, pp 28-36. 9700945
FTD-MT-65-185

Sci/Physics
Aug 66

306,242

NCH-202 363 (p.213-217) Field 13A, 20M

Parnas, A. L.
AN EXPERIMENTAL INVESTIGATION OF THE
EFFORT OF THE UNSTEADY-STATE NATURE OF AN
AIR STREAM ON HEAT TRANSFER DURING FLOW
PERPENDICULAR TO CYLINDERS. Apr 65, 5p, 8refs.
Order from ICE; in International Chemical Engineering,
v5 n2

Trans. of Inzhenerno-Fizicheski Zhurnal (USSR)
v7 n10 p37-44 1964.
See also 'Translated or Abstracted Publications,'
in TT Vol. 14, No. 8.

I. American Institute of
Chemical Engineers
New York, N. Y.

Ye. T. Artykpaev

On the Theory of Heat Conduction.
RUSSIAN, per, Inzhenerno-Fizicheskii Zhurnal,
Vol 7, No 10, 1964, pp 80-84.
SC-T-722505
HTC 72-14069-20M

Nov 72

The Effect of Initial Discharge on the
Development of a Submerged Nonisothermal
Round Jet in a Noncompressible Fluid, by
F. Aliyev.
RUSSIAN, per, Inz. Fiz. Zhurnal, Vol 7,
No 10, pp 106-111, 1964
NASA TT F-9495

Sci-Phys
Nov 65

291,667

Computation of the Trajectory of a
Jet in a Drifting Flow, by S. V. Vakhramev,
8 pp.
RUSSIAN, per, Inzhon-Fiz Zhur, Vol VII,
No 10, 1964, pp 112-116. PI00061766
FTD-TI-65-1977

Sci - Aeronautics
Oct 66

312,868

Experimental Method for Determining Attenuation
Coefficient of Selective-Absorbing Media, by
I. Selivanova, D. Kokorev.
RUSSIAN, per, Inzh-fiz. Zh. Vol. 7, No. 10, 1964,
pp 117-120
CSIRO/ No. 7737

Sci -
Aug 67

337-219

Second All Union Conference on Thermo-and Mass
Exchange, by I. T. El'perin, G. D. Rabinovich.
21 pp.

RUSSIAN, per, Inzhenerno-Fizicheskiy Zhurnal,
No 10, 1964, pp 130-135. 9700766

FTD-TT-65-1475

OFSTI AD-633, 659

Sci/Physics
Jun 66

303,775

NCH-202 363 (p.336-340)

Field 20D, 20M

Gaitullin, Z. T.; Krivosheina, B. L.
THE NON-ADIABATIC FLOW OF A REAL GAS IN A GAS
PIPELINE. Apr 65, 5p, 11refs.
Order from ICE in International Chemical Engineering,
v5 n2

Trans. of Inzhenerno-Fizicheski Zhurnal (USSR) v7 n11
p47-54 1964.
See also 'Translated or Abstracted Publications,' in
TT Vol. 14, No. 8.

I. American Institute of
Chemical Engineers
New York, N. Y.

Distribution of Drops According to Size
in Atomizing Liquids by Means of Centrifugal
Atomizers, by L. G. Golovkov, 11 pp.
RUSSIAN, per, Inzhenerno-Fizicheskii
Zhurnal, Vol VII, No 11, 1964, pp 55-61.
9698344
FTD-TT-65-176 .

Chem
Nov 65

291,447

On One Mathematical Problem of the
Theory of Heat Mass Transfer, by
Ya. S. Rabinovich, 6 pp.
RUSSIAN, per, Inzh-Fiz Zhur, Vol VII,
No 11, 1964, pp 67-72. 9699034
FTD-TT-65-1137

Sci - Math & Data Proc
Feb 66

294,748

Solution of A Mixed Steady-state Heat-conduction
Problem for a Cylinder, by R. A. Pavlovskiy.
RUSSIAN, per, Inzhenerno-Fizicheskii Zhurnal,
Vol 7, No 11, 1964, pp 73-76.
Navy tr 4967/APL JHU TG 230-T492

Sci/Physics
Nov 66

311,560

Application of the Integral One-parameter Method
to the Solution of Heat Conduction Problems for
Media with Variable Thermo-physical Character-
istics, by Yu. L. Rozenshtok, et al.
RUSSIAN, per, Inzh-Fiz. Zh., No 7, No 11, 1964,
pp 98-102.
*AEC

Sci/Physics
Jan 67

Measurement of Semiconductor Thermal
Conductivity by a Nonsteady Probe
Method, by D. H. Mogilovskiy,
A. F. Chudnovskiy, 15 pp.
RUSSIAN, per, Inzhen-Fiz Zhur, Vol VII,
No 12, 1964, pp 23-31. 9699633
FTD-TT-65-1257

Sci - Phys
Feb 66

294,810

Determination of the Optimum Dimensions
of Radiating Fins, by O. Yu. Kovosel'skiy,
V. L. Ukolov, 9 pp.
RUSSIAN, per, Inzhen-Fiz Zhur, No 12,
1964, pp 54-59. 9698958
FTD-TT-65-1032

Sci - Phys
Feb 66

296,397

Errors in the Measurement of Temperature
at the Surface of a Solid by Means of a
Thermocouple in the Case of Heating and
Cooling in Accordance With an Arbitrary
Law, by B. I. Makarov, 8 pp.

RUSSIAN, per, Inzhen-Fiz Zhur, Vol VII,
No 12, 1964, pp 60-65. 9699633

FTD-TT-65-1257

NASA TT F-9496

Sci - Phys
Feb 66

294,811

The Flow of a Liquid in Thin Layers, by
P. A. Semenov, A. V. Solov'yev, 7 pp.
RUSSIAN, per, Inzhen-Fiz Zhur, Vol VII,
No 12, 1964, pp 85-89. 9699633
FTD-TT-65-1257

AEC ANL W-319 9233463

Sci - Phys
Feb 66

294,812

Solution of the Thermal-Conductivity
Problem for a Semiinfinite Body in the
Case of a Variable Heat-Transfer
Coefficient, by V. M. Yudin, 7 pp.
RUSSIAN, per, Inzhen-Fiz Zhur, Vol VII,
No 12, 1964, pp 90-94. 9699633
FTD-TT-65-1257

Sci - Phys
Feb 66

294,813

Determination of Linearized Perturbation
Flows in the Case of an Airstream
Flowing Past Nonaxisymmetric Conic
Bodies at Great Supersonic Velocity, by
A. M. Kkhitaryan, M. P. Ovsyannikov,
15 pp.
RUSSIAN, per, Inzhen-Fiz Zhur, Vol VII,
No 12, 1964, pp 95-105. 9699633
FTD-TT-65-1257

Sci - Phys
Feb 66

294,814

Generalization of the Characteristics of
Electric Arcs, by O. I. Yas'ko, 8 pp.
RUSSIAN, per, Inzhenerno-Fizicheskiy Zhur,
No 12, 1964, pp 112-116. P100134467
FTD HF 66-397

1165

Sci-StartPhys
May 8

324,984

Journal of Engineering Physics (Selected
Articles), 57P.
RUSSIAN, PER, Unedited rough draft trans.
of Inzhenerno-Fizicheski Zhurnal, Vol 7,
No 18, 1964, pp 23-31, 60-5, 85-105.
CFSTI AD-627,112

332, 303

Sci
Jul 67

AFC-4(SC-T-722505) THEORY OF HEAT CONDUCTION,
Artykpaev, E. T. Translated by Patricia Newman (Sandia
Labs., Albuquerque, N. Mex.), from Inzh.-Fiz. Zh.: 7: No. 19,
80-4(1964). 6p. Dep. NTIS.

heat transfer; translations 20M

MN-38 P NSA

Heat Transfer to Liquid Metals in Turbulent Flow
When the Heat Flux Is Distributed Sinusoidally
Along the Length of the Pipe, by V. I. Petrovich, L.
S. Kokorev,

RUSSIAN, per, Inz-Fiz Ak Nauk Belorus SSR, Vol II,
No 12, 1959, pp 20-25.

*AEC

Sci - Phys
Sep 60

Investigation of the Effect of the Frequency and
Amplitude of Flow Pulsations on Critical Heat
Fluxes, by Z.L. Miropol'skiy, M.E. Shitsman, et al.
4 pp.

RUSSIAN, per, Inzh. Fiz. Zh. Akad. Nauk Belorussk.
SSR, Vol 7, No 6, 1964, pp 13-15.

AEC WAPD-Tr-7

Sci/Physics
May 66

301,071

T/C \bar{x} and bk review
Engineering Calculation Methods For the Technological
Processes in Pressure Forming of Metals, by 10 pp.

RUSSIAN, bk, Inzhenernyye metody rascheta tekhnologi-
cheskikh protsessov obrabotki metallov davleniyem, by
1957, 216 pp.

Head, Lib Sv Sec
Air Info Div, Lib Cong

Aug 58

Engineering Calculation Methods for the Technological
Processes in Pressure Forming of Metals, by V. S.
Svirnov, 269 pp.

RUSSIAN, bk, Inzhenernyye Metody Rascheta Tekhnologi-
cheskikh Protsessov Obrabotki Metallov Davleniyem,
Gos. Nauchnotekhn. Izd-vo Mashinostroyt. Lit-ry (Nauchno-
Tekhnicheskoye obshchestvo Mashinostroyt. Promyshlennosti, Leningradskoye Oblastnoye Pravleniye,
Moscow, 1957, 214 pp.

ATIC F-TS-9822/V

103,913

Sci - Min/Met
Dec 59

Engineering Method of Calculation of
Elastic Systems for Free Vibrations, by
E. A. Sekhniashvili. 351 pp.
RUSSIAN, bk, Inzhenernyy Metod Rascheta
Uprugikh Sistem na Svobodnyye Kolebaniya,
1960, pp 1-346. 9700384-V
FTB-MT-64-377

Sci/Engineering
May 66

300,446

Engineering Preparation of the Ground for
Artillery Purposes, by V. V. Kasin, E. I. Maikov,
113. (Sovetskoye)

RUSSIAN, bk, Inzhenernoye Obrazovaniye Mestnosti
dlya Artillerii, Moscow, 1958.

ASST ID 2095709

USSR

M11

Aug 59

94,794

Engineering Calculations of Nuclear Reactors,
by A. Ya. Kramerov,
RUSSIAN, per, Inzhenernye Raschety Reaktorov,
1964, pp 234-297.
AEC ANL-Trans-270

Sci-Nucl Sci
May 67

326,231

R-356/64

Engineer and Rescue Work in the Epicenter of an
Atomic Explosion, by I. D. Volkov, B. Ya. Ulanovskiy.
(SP-3384)

RUSSIAN, bk, Inzhenerno-Spasatel'nyye Raboty v
Ochage Yadernogo Porazheniya, Moscow, 1964,
pp 39-124.

*JPRS

USSR

MII

Oct 64

Karev, G. A.
INITIAL PRIMING OF SIPHON SPILLWAYS
(O Vklyucheni Sifonnykh Vodosbrosov v Raboty),
1961, 24p. PL-480 Int.
Order from OTS \$0.50

61-11433

Trans. of Inzhenerno-Stroitel'nyi Institut, Tomsk.
Sbornik Nauchnykh Trudov (USSR) 1957, v. 2,
p. 97-123.

DESCRIPTORS: Water. *Hydraulic systems, Structures, Mathematical analysis, *Dams, Storage, pressure, Valves, Automatic, Sensitivity, Ducts, Primers.

Theoretical statements are presented based on research on models of flat profile siphons. The main factors determining the character of priming of the automatic siphon spillway are: (1) the sensitivity of the (Engineering--Civil, TT, v. 7, no. 7) (over)

61-11433

- I. Title: Siphon spillways
- I. Karev, G. A.
- II. PL-480 Int (61-11433)
- III. National Science Foundation, Washington, D. C.

Office of Technical Services

Bu. of Reclamation
7-D-766(2)

R-7507-D
6 Sept. 1966

РАСЧЕТ НА ПРЯЖЕННОГО СОСТОЯНИЯ АРОЧНОЙ ПЛОТИНЫ ОТ
ДЕСИВТИА БОКОВОЙ СЕМИЧЕСКОЕ НАГРУЗКИ

Author: Orekhov, V.G.

Source: Inzhenerno-Stroitel'nyi Institut. Sbornik Trudov,
Moscow, No. 46 pp 35-47, 1964 (13 pp)

Language: Russian

Est for wds:

Reproduce and type 1 camera ready copy. But from 1 copy
and the return one intact. (Typing instructions attached)

Handbook on Electrical Communication - Radio
Communication, by G. A. Fedunin

RUSSIAN, bk, Inzhenerno Tekhnicheskiy Spravochnik
Po Elektrosyazi, Radiosvyaz', Vol VIII, 1958,
Moscow, pp 1-500. 9678191-V

ATIC F-TS-9992/V

Sci - Electron
March 60

FP 245-263 } USASIA SC-70/60
325-332 }

The RTA-60 Page Teletype, by V. V. Nokkov, 10 pp.
RUSSIAN, bk, Inzhenerno-Tekhn Spravo po Elektrosvyazi,
Telegrafiya, Moscow, 1963, pp 222-229.
JPRS 23836

Sci - Engr
Mar 64

3253. 067

N-5/64

3.6 IT-17P Tonal Frequency Telegraph Equipment With FM.
2048

RUSSIAN, bk, Inzhenerno-Tekhnicheskiiy Spravochnik po
Elektrosvyazi, Telegrafiya, pp 84-97.

*JPRS/SPECIAL/NY-9125

Sci - Elec, Engr
Mar 64

N-5/64

3.7 OTT-2 Single-Channel Tonal Telegraph Equipment
With FM, *10/18*

RUSSIAN, bk, Inzhenerno-Tekhnicheskii Spravochnik po
Elektrosvyazi, Telegrafiya, pp ~~106~~98-106.

R
*JPRS/SPECIAL/NY-9125

Sci - Elec, Engr
Mar 64

N-5/64

3.8 ChVT Frequency-Time Tonal Telegraph Equipment, *94p.*

RUSSIAN, bk, Inzhenerno-Tekhnicheskii Spravochnik ~~po~~
Elektrosvyazi, Telegrafiya, pp 106-113.

2
*JPRS/SPECIAL/RY-91225

Sci - Elec, Engr

Mar 64

Engineering and Technical Handbook on
Electric Communications: Telegraphy;
by V. V. Novikov, L. I. Zubovskiy, 727 pp.
RUSSIAN, bk, Inzhenerno-Tekhnicheskiy
Sparvochink po Elektrosvyazi: Telegrafiya,
Moscow, 1963, pp 1-657.
FTD-MT-684557

64-557

Sci - Navigation, Communications,
Detection, & Countermeasures
Feb 67

320,054

Engineering-Technical Reference Book on
Electrical Communication (Chapters 5 and 11),
by V. V. Novikov, G. F. Zubovskiy, 105 pp.
RUSSIAN, bk, Inzhenerno-Tekhnicheskiy
Spravochnik po Elektrosvyazi, Telegrafiya,
1963, pp 292-327; 471-526; 632. 9697573
FTD-MT-64-182

Sci - Elec
Aug 65

284,385

Detection of Cavitation in a Pump by Oscillograph
Readings of Pressure, by K. K. Shal'nev, 16 pp.

RUSSIAN, per, Inzhenernyi Sbornik, Vol IX, 1951,
pp 27-44.

Sci Mus Lib 53/1421²

Scientific - Engineering
CTS/DEX

5954

The Stressed State of a Rotating Conical
Shell With Wall Thickness Varying
According to a Linear Law, by

A. D. Kovalenko,

RUSSIAN, per, Inzh Sbor AN SSR, OIN Inst
Mekh, Vol IX, 1951, pp 143-166.

*FTD-TT-68-1460

Sci-Phys

Sep 65

Calculator
Calculation of the Stability of Sand Foundations
Based on the Theory of Elasticity and the Theory of
the Limiting Stressed State of a Freeflowing
Medium, by M. I. Gorbunov-Posađov.

RUSSIAN, per, Inzh Sbornik, No 12, 1952,
pp 136-164.

NI 11. 2700
TIL/T5079

203,255

Sci - Phys
Jun 62

Cavitation of Edge Profiles of Blade Tips, by
K. K. Shal'nev.

RUSSIAN, per, Inzh Sbornik, Vol XIV, 1953, pp 131-147

A.R.E. Ft Halstead
17 OT/1143

USBR
Scientific - Engineering
CTS 75/Dec 55

29,338

See Inzh Sbornik
56/0527

Stress Calculation of Solid Forged Rotors, by
E. Ya. Gertsberg, 24 pp.

RUSSIAN, par, Inzh Sbornik, Vol XV, 1953, pp 5-14.

CIA/FDD X-4033

Sci - Engr
Jan 60

105,853

Stresses in a Rotating Disc During Growth
by A. G. Kostyuk. UFGU

RUSSIAN, per, *Truzheniye* Sbornik, Vol. 20,
1953, pp 15-20.

OTS 60-13816
DEPT LLU-RTS M.942

(loan)

Sci - Engr
Feb 50

107,692

Concerning the Strength and Stability of
Cylindrical Bimetallic Shells, by E. I.
Grigolyuck, ~~45~~ pp.
52

RUSSIAN, per, Inzhernyy Sbornik, Vol XVI,
1953, pp 119-148. 9683353

DDC RSIC-12
OTS 63-19596

Sci - Engr
Jun 63

234,576

INZHENERNYI SBORNIK
1953 V17 P3-28
1955 V22 P160-167
1956 V24 P217-221
1961 V31 P136-170

AD-699 664 <R>
AD-700 409 <R>
SOL-T-66-282 <R>
PB-166 084T <R>
70-11392-20K <R>

ORDER FROM NTC

An Approximate Method for Determining Stresses in
an Elastic Anisotropic Plate Near an Opening Which
is Almost Circular, by S. G. Lekhnitskiy. 36 pp.
RUSSIAN, per, Inzhenernyy Sbornik, Vol 17, 1953
pp 3-28.
AIR/FTD/HT-23-367-69

sci/mechan engr
feb 70

40k,076