

(L-3)011

Some Applications of a Scheme of Symbolism
in Machine Programming, by L. T. Petrova,
13 pp.

RUSSIAN, per, Zhurnal Vychislitel' Matematiki
i Matematicheskoy Fiz, Vol. 1, No. 2,
May/June 1961, pp 513-522.

JWS 11701

Sci - Misc,
Machine Translation
Jan 62

172 990

Estimates From Below of Eigenvalues of
Positive Operators, by L. T. Savinov.

RUSSIAN, per, Zhur Vychislitel'noy Matemat
i Matemat Fiz, Vol I, 1961, pp 714-719.

Navy Tr 3489/APL 732

Sci - Math Data Process, Phys
Aug 63

Numerical Calculation of High Temperature
Laminary Flows, by P. P. Koryavov, 16 pp.

RUSSIAN, per, Zhur Vychislitel Mate i
Matemat Fiz, Vol I, No 5, 1961, pp 856-
868. 9676355

FTD-TT-62-234

Sci - Phys

4 May 62

194, 135

Calculation of a Laminar Boundary Layer for
Sublimable Surface, by V. V. Shchennikov,
23 pp.

RUSSIAN, per, Zhur Vych Mate i Matemat Fiz,
Vol I, No 5, 1961, pp 869-883. 9698901
FTD-MF-65-10

Sci - Chem
Jan 66

294,756

Sublimation of a Blunt Body in the Vicinity of the
Stagnation Point in Plane and Σ Axisymmetrical
Flow of a Gas Mixture, by G. A. Tirskiy, 29 pp.

RUSSIAN, per, Zhur Vychislitel'noy Matemat i
Matematicheskoy Fiz, Vol I, No 5, 1961, pp 884-902.
~~XXXX XXXX~~ 9669633

FTD-TT-63-311

Sci-Phys
Aug 63

238,047

A Difference Scheme for Two-Dimensional Non-Steady
Problems of Gas Dynamics and Calculation of Stream
Flow With a Detached Shock Wave, by S. K. Godunov,
A. V. Zabrodin, et al, 50 pp.
RUSSIAN, per, Zhur Vychislitel Matemat i Matemat Fiz,
No 6, 1961, pp 1020-1050. 9226586
AEC-UCRL-Tr-1060(L)

Sci-Phys

Feb 65

273,171

Numerical Method for the Analysis of Three-
Dimensional Supersonic Gas Flow Around Bodies,
by K. I. Babenko, G. P. Voskresenskiy,
RUSSIAN, per, Zhur Vychisl Matemat i Matemat Fiz,
Vol I, No 6, 1961, pp 1051-1060.
NASA TT F-9231

Sci-Phys
Mar 65
U.S. GOVERNMENT ONLY

274,321

Psychometric Substances, by U. N. Yarovenko,
19 pp.

RUSSIAN, per, Zhurnal Vsesoyuznogo Khimi-
cheskogo Obshchestva imeni D. I. Mendeleeva,
Vol IX, no 4, 1964, pp 448-455.

JPRS 28827

UFR

Sci-Bio & Med Sci

Feb 65

275,337

The Significance of Pharmacological Preparations Used in the Psychiatric Clinic and Influencing the Interchange of Biogenous Amines, 21 pp.

RUSSELL, per, Zhurnal Vsesoyuznogo Khimicheskogo Obshchestva imeni D. I. Mendeleeva, Vol. IX, No 4, 1964, 455-461
JPRS 20527

USSR
Sci-Bio / Med Sci
Feb 65

275,338

One Asymptotic Law in the Theory of Neutron Moderation, **M**
by M. V. Maslennikov, 7 pp.

RUSSIAN, per, Zhur Vychislitel'noy Matemat i Matemat
Fiz, Vol 1, No 6, 1961, pp 1136-1139.

9678614

FTD-TR-62-1045

Sci - Phys
Nov 62

216,896

Difference Methods of Numerical Solution of Problem
of Gas Dynamics, by S. K. Godunov, K. A. Semondyayev,
22 pp.
RUSSIAN, per, Zhur Vychislitel Matemat i Matemat
Fiz, Vol II, 1962, pp 3-14. 9224659 ; 9224956
AEC-UCRL-Tr-1012(L)

Sci-Nucl Sci
Sep 64

267,328

Propagation of Electromagnetic Waves in Plasma
Across an External Magnetic Field, by Yu. N.
Dnestrovskiy, D. P. Kostomarov, 13 pp.

RUSSIAN, per, Zhur Vychislitel'noy Matemat i
Matemat Fiz, Vol II, No 1, Jan/Feb 1962,
pp 97-106. 9677888

AID Rpt 62-102

Sci - Phys

Aug 62

211,507

Calculation of the Axisymmetric Isentropic Flow of a
Real Gas, by O. N. Katakova, A. E. Krayko, 13 pp.

RUSSIAN, per, Zhur Vychislitel'noy Matemat i Matemat
BE Fiz, Vol II, No 1, 1962, pp 125-132. 966827

FID-TR-62-1057

Sci - Phys
Nov 62

216,878

Iteration Methods in Solution of a Linear Boundary
Problem, by V. Ye. Shamanskiy, 17 pp.

RUSSIAN, per, Zhur Vychislitel'noy Matemat i
Matemat Fiz, Vol II, No 2, 1962, pp 195-205.
9669389

FTD-TT-62-1582

Sci-Phys
July 63

236,058

Temperature Distribution in an Infinite Cylinder and in
a Sphere With Nonmonochromatic Radiative Equilibrium,
by Ye. S. Kuznetsov.
RUSSIAN, per, Zhur Vychisl Matemat i Matemat f Fiz,
Vol II, No 2, 1962, pp 217-240.
NASA TT F-9232

Sci-Phys
Mar 65
U.S. GOVERNMENT ONLY

274,344

Investigation of Flow Past Bodies of Revolution
at Supersonic Speed, by P. I. Chushkin, 38 pp.

RUSSIAN, per, Zhur Vychislitel'noy Matemat 1
Matemat Fiz, Vol II, No 2, 1962, pp 255-277.
9669389

FTD-TT-62-1582

Sci-Phys
July 63

236,059

Numerical Solution for the Problem of the \mathbb{R}
Flow of a Supersonic Stream Past the Upper
Surface of a Triangular Wing, Kby D. A.
Babayev, 13 pp.

RUSSIAN, per, Zhur Vychislitel'noy Matemat i
Matemat Fiz, Vol II, No 2, 1962, pp 278-289.
9669389

FTD-TT-62-1582

Sci-Phys
July 63

236,060

(DC-3901)

Implementation of Recursive Procedures
in the ALGOL-60 language, by V. I.
Sobelman, 30 pp.

RUSSIAN; per, Zhur Vychislitel' Matemat
& Matemat Fiz, Vol II, No 2, 1962,
pp 303-316.

JPRS 14164

Sci - Misc
Machine Translation
Jun 62

203,335

(DC-3901)

Theory of Instruction for One Class of Discrete
Perceptrons, by V. M. Glushkov, 26 pp.

RUSSIAN, per, Zhur Vycheslitel Matemat i Matematich
Pis, Vol II, No 2, Mar-Apr 1962, pp 317-335.

JPRS 13725

Sci - Misc
Machine Translation
May 62

195, 920

Concerning one Case of Dependence of Delay on
Function Being Sought, by S. B. Norkin, 13 pp.

RUSSIAN, per, Zhur Vychislitel'noy Matematiki
i Matematicheskoy Fiz, Vol II, No 2, Mar-Apr 1962,
pp 343-348. 9667396

FID-TT-62-1287

Sci - Phys, Math
Jan 63

219.554

The Application of the Elimination Method to the
Problem of Finding the Eigenvalues and Eigenvalues
of Eigenfunctions of a Linear Integral Operator
With a Symmetric Kernel, by V. S. Shishov, 19 pp.
POST EDITED

RUSSIAN, per, Zhur Vychis Mate i Matemat Fiziki,
Vol II, No 3, 1962, pp 398-410. 9693208

FTD-MT-63-303
GOV'T USE ONLY

Sci - Math & Data
Jul 64

263,710

(DC-1801)

SELF-ORGANIZING SYSTEMS AND THE ABSTRACT THEORY
OF COMPUTERS,
BY V. M. GLUSHKOV, 16 PP.

RUSSIAN, PER, ~~ZHUR~~ VYCHISLITEL' MATEMAT I MATEMAT FIZ,
VOL 11, NO 3, MAY/JUN 1962, PP 459-466.

JPRS 14624

SCI - MISC
MACHINE TRANSLATION
JUL 62

205,654

(DC-6941)

A NUMERICAL METHOD FOR SOLVING OPTIMAL CONTROL
PROBLEMS, BY L. I. SHATROVSKIY, 6 PP.

RUSSIAN, PER, ZHUR VYCHISLITEL' MATEMAT I METEMAT
FIZ, VOL 11, NO 3, 1962, PP 488-491.

JPRS 14630

SCI - ELECTRON
JUL 62

205,639

A Combination of the Monte-Carlo Method With the Quicker Trigger Action Method for Solving Certain Extremal Problems, by L. S. Gurin, V. P. Lobach, 8 pp.

RUSSIAN, per, Zhur Vychislitel' Matematiki Matematich Fiz, Vol II, No 3, 1962, pp 499-502. 9685067

FTD-TT-63-231

Sci-Phys

Aug 63

OTI 6 SLA (9-11-63)
OTI 6 SLA (9-11-63)
342,081
7/11/63

NY-7416

S-17/63

Correlation Method for Recognizing Patterns,
by V. A. Kovalevskiy.

RUSSIAN, per, Zhur Vychislitelnoy Matematiki i
Mathemat Fiz, Vol II, No 4, 1962, pp 684-694.

*JPRS

Sci - Misc - Cybernetics

Jan 63

Concerning Some Classes of Finite Automata,
by V. G. Lazarev, Ye. I piyl', 11 pp.

RUSSIAN, per, Zhurnal Vychislitel'noy
Matematiki i Matematicheskoy Fiziki, Vol II,
No 4, 1962, pp 695-702.

JPRS 16306

Sci - Math, Phys

Nov 62

217,859

The Numerical Method of Integral Relations, by
O. M. Belotserkovskiy, P. I. Chushkin.

RUSSIAN, per, Zhur Vychislitel Matemat i Matemat
Fiz, Vol II, No 5, 1962, pp 731-759.

NASA TT F-8356

Sci
Apr 63
US GOV'T ONLY

229,208

STUDY OF AN ALGORITHM FOR THE RECOGNITION OF
MACHINE-WRITTEN SYMBOLS, BY V. K. YELISEYEV,
V. A. KOVALEVSKIY, 14 PP.

RUSSIAN, PER, ZHURNAL VYCHISLITEL'NOY MATEMATIKI
I MATEMATICHESKOY FLZIKI, VOL 11, NO 5, SEP-OCT
1962, PP 902-911.

JPRS 16343

SCI - PHYS

DEC 62

217,120

An Orthogonal Approach For Solution of Systems of
Differential Equations, by S. K. Godunov, 16 pp.

RUSSIAN, per, Zhur Vykhislitel. Mate i Mate Fiz,
Vol II, 1962, pp 972-982. 9212189

AEC-UCEL-Tr-980(L)

Sci - Math

Oct 63

345,364

The Question of Self-Teaching in the Perceptron,
by V. M. Glushkov, 17 pp.
RUSSIAN, per, Zhur, Vychisl Mate i Matemat Fiz,
Vol II, No 6, 1962, pp 1102-1110. 9693215
FTD-TT-64-299

Sci - Elec
Jul 64

263,724

ON A METHOD OF SUCCESSIVE APPROXIMATION FOR
THE SOLUTION OF OPTIMAL CONTROL PROBLEMS,
BY I. A. KRYLOV, F. L. CHERNOUS'KO, 14 PP.

RUSSIAN, PER, ZHURNAL VYCHISLITEL'NOY
MATEMATIKI I METAMITICHESKOY FIZIKI, VOL 11,
NO 6, NOV/DEC 1962, PP 1132-1139.

JPRS 17589

FTD-TT-63-701(9670286)

14 pp.

SCI - MATH

FEB 63

222,276

A SUCCESSIVE SEARCH TECHNIQUE FOR THE
APPROXIMATE SOLUTION OF CERTAIN OPTIMAL PLANNING
PROBLEMS, BY I. B. MOTSKUS, 9 PP.

RUSSIAN, PER, ZHURNAL VYCHISLITEL'NOY
MATEMATIKI I MATEMATICHESKIY FIZIKI, VOL 11,
NO 6, NOV/DEC 1962, PP 1139-1144.

JPRC 17589

SCI - MATH

FEB 63

222,279

Calculating Machines and Automation of Production
Control, by EV. M. Glushkov.

RUSSIAN, per, Zhur Vych Mate i Mate Fiz, Vol IV,
1962.

*FTD-TT-63-1030

Sci - Math & Data Proc
Nov 63

CORRELATION METHOD FOR RECOGNIZING PATTERNS,
BY V. A. KOVALEVSKIY, 13 PP.

RUSSIAN, PER, ZHURNAL VYCHISDITEL'NOY MATEMA-
TICHESKOY FIZIKI, VOL IV, NO 4, 1962,
PP 684-694.

JPRS 17391

SCI - PHYS

JAN 63

221,117

The Calculation of Flow in a Plane Laval
Nozzle, by A. P. Favorskiy, et al.
RUSSIAN, per, Zh. Vychisletel Mat i Mat
Fiz, Vol III, 1963, pp 130-134.
NASA TT F-10,494

Sci-Phys
Jan 67

317,833

Locally One-Dimensional Difference Schemes on
Nonuniform Nets, by A. A. Samarskiy.

RUSSIAN, per, Zhur Vychislitel'noy Matematiki i
Matemat Fiziki, Vol III, No 3, 1963, pp 431-466.

~~SECRET~~
*FTD-TT-63-808

Sci - Phys

Aug 63

Resonance Phenomena During the Motion of a
Satellite Relative to the Center of Mass, by
F. L. Chernous'ko.

RUSSIAN, per, Zhur Vychislitel'noy Matemat i
Matematicheskoy Fiz, Vol III, No 3, 1963,
pp 528-538.

Navy Tr 3815
APL T987

Sci - Phys
KJun 64

261,196

A New Form of Equations of Satellite Motion and
Its Application to Investigating Keplerian-Like
Motion, by G. E. Kuzmak, Yu. M. Koprin, 21 pp.
RUSSIAN, per, Zhur Vychisl Mat i Mat Fiz, Vol III,
No 4, 1963, pp 730-741. 9692752
FTD-TT-63-1201

Sci-Phys
June 64

Nov 30 3944/APL 71140

260,838

Some Problems in Optimum Control Theory, by
Yu. V. Yegorov, 22 pp.
RUSSIAN, per, Zhur Vychil Matemat i Matemat
Fiz, Vol III, No 5, Sep/Oct 1963, pp 887-904.
JPRS 24072

Sci - Eng
Apr 64

254, 369

Determining the Distribution Function for
Length of Maximum Carry, by V. M. Mikhelev,
10 pp.
RUSSIAN, per, Zhur Vychisl Matemat i Matemat
Fiz, Vol III, No 5, Sep/Oct 1963,
pp 942-949.
JPRS 24073

Sci - Eng
Apr 64

254, 368

About a Differential System of an Increased
Order of Accuracy for an Equation of the
Elliptic Type with Spatial Variables,

by A. A. Samarskii, V. B. Andreyev.

RUSSIAN, per, Zh. Vych. Mat. i Mat. Fiz.

Vol 3, No 6, 1963, pp 1006-1013.

NLL Ref: 5828.4F 1965 (5805)

Sci-Math

June 66

302,315

On Uniformly Accelerated Motion of Flat Plate in
Viscous Compressible Gas, by V. V. Sychev,
N. S. Avanesova, 13 pp.
RUSSIAN, per, Zhur Vychis Mate i Matemat Fiz.
Vol III, No 6, 1963, pp 1067-1076.
FTD-MT-64-541

Sci - Engr
Apr 65

277,826

The Transport Problem With Continuous Distribution of
Consumers, by B. N. Pshenichenny, 27 pp.

RUSSIAN, per, Zhur Vychisl Matemati i Matemati Fiz, Vol III,
No 6, Nov-Dec 1963, pp 1089-1102. (~~Table of Contents~~)

JPRS 22919

Sci-Math & Data Proc
Jan 64

247, 129

An Iteration Method For A Solution of the Transport Problem
By Means of a Supplemental Limitation, and An Appraisal
of the Number of Iterations, by Yu. Yu. Finkel'shteyn, 76 pp.

RUSSIAN, per, Zhur Vychisl Matemati i Matemati Fiz, Vol III,
No 6, Nov-Dec 1963, pp 1103-1111.

JPRS 22919

Sci-Math & Data Proc
Jan 64

247, 130

Variational Problem of Space-Vehicles Take-Off
From a Circular Orbit, by V. N. Lebedev, 7 pp.
RUSSIAN, per, *Vychisl Mate i Mate Fiz*, Vol III, No 6,
1963, pp 1126-1130. *zhur*
CIA/FDD X-5359

Sci x- Phys
Apr 64
For OFFICIAL USE ONLY

FTD-TT-64-1200 255,203
9695832

Calculation of the Flow in a Flat Laval
Nozzle, by A. P. Favorskiy, et al.
RUSSIAN, per, Zhur Vychisletel Mat i Mat
Fiz, Vol III, 1963, pp 1130-1134.
*NASA TT F-10,494

Sci-Phys
Jan 67

A Solution of the Traveling-Salesman Problem By Integer
Linear Programming, by V. I. Mudrov, 5 pp.

RUSSIAN, per, Zhur Vychisl Matemati i Matemati Fiz, Vol III,
No 6, Nov-Dec 1963, pp 1137-1139.

JPRS 22919

Sci-Math & Data Proc
Jan 64

247, 131

Diffraction of the Field of a
Horizontal Magnetic Dipole on Two Discs,
by Ye. A. Ivanov, 12 pp.
RUSSIAN, per, Vychis Matemat i Mate
Fiz, 1964. P100066266-V
FTD-TT-65-1655

Sci - Phy
Oct 66

312,855

Diffraction of Electromagnetic Waves
on Two Parallel Discs, by Ye. A. Ivanov,
14 pp.

RUSSIAN, per, Vychis Matemat i Mate
Fiz, 1964. P100066266-V

FTD-TT-65-1655

Sci - Phys
Oct 66

312,856

Numerical Calculation of Two-Dimensional
Flow in a Boundary Layer, by
I. V. Petukhov, 28 pp.
RUSSIAN, per, Vychis Matemat i Mate
Fiz, 1964, pP100066266-V
FTD-TT-65-1655

Sci - Phys
Oct 66

312,857

Numerical Method of Calculating Optimum Rate
Control for Linear Systems, by B. N. Pshenichnyy,
11 pp.
RUSSIAN, per, Zhur Vychisl Mat i Mat Fiz, Vol IV,
No 1, Jan-Feb 1964, pp 52-60.
JPRS 24055

Sci - Math & DP
Apr 64

254, 437

Nonequilibrium Supersonic Gas Flow Around Blunt
Bodies, by O. M. Belotserkovskiy, V. K. Dushin,
17 pp.

RUSSIAN, per, Zhur Vychisl Mate i Mare Fiz, Vol IV,
No 1, 1964, pp 61-77.

CIA/FDD X-5365

OTS-77-64-16371

Sci - Phys

May 64

FOR OFFICIAL USE ONLY

257,427

A Compiler, by V. N. Popov, V. A. Stepanov, 22 pp.
RUSSIAN, per, Zhur Vychisl Mate i Mate Fiz, Vol IV,
No 1, Jan-Feb 1964, pp 78-95.
JPRS 24055

Sci - Mat & DP
Apr 64

254, 436

An Algol-60 Converter, by mM. R. Shura-Bura,
E. Z. Lyubimskiy, 20 pp.
RUSSIAN, per, Zhur Vychisl Matemat i Matemat Fiz,
Vol IV, No 1, 1964, pp 96-112.
JPRS 23955

Sci - Math & DP
Apr 64 253, 7892

The Construction of an Inhibitor Circuit in an
Operator Schematic With References to the Library
by Yu. I. Smirnov, 19 pp.

RUSSIAN, per, Zhur Vychisl. Mate i Mate Fiz, Vol. IV,
No 1, Jan-Feb 1964, pp 113-119.

JPRS 24055

Sci - Math & DP

Apr 64

254, 438

Solution of Systems of Nonlinear
Equations by the Method of Differentiation
With Respect to a Parameter, by
M. N. Yakovlev.
RUSSIAN, per, Zh Vychisl Mat i Mat Fiz,
Vol IV, 1964, pp 146-149.
NASA TT F-254

Sci-Data Process/Math
Jan 66

294,545

Expansion of Polynomials in Bessel Operators,
by S. I. Osipov.
RUSSIAN, per, Zh. Vychisl Mat i Mat Fiz,
Vol IV, 1964, pp 149-155.
NASA TT F-255

Sci-
Jan 66

294,533

Analysis of Flow Near a Blunt Solid of
Revolution at Angle of Attack in Supersonic
Flow of Gas, by A. N. Minaylov, 11 pp.
RUSSIAN, per, Zhur Vychis Mate i Matemat
Eiz, Vol IV, No 1, Jan-Feb, 1964, pp 171-177.
9699018
FTD-MT-64-482

Sci - Engr
Jan 66

291,009

Numerical Computation of the Plane Laminar Boundary
Layer in a Compressible Gas at a Blunt Plate, by
Iu. N. Pavlovskiy, 6 pp.
RUSSIAN, per, Zhur Vychisl Mate i Mate Fiz, Vol IV,
No 1, 1964, pp 178-183.
CIA/FDD X-5366

OTS-77-64-16372
Sci - Phys
May 64
FOR OFFICIAL USE ONLY

257,428

A Numerical Method of Solving Certain Problems of
Optimum Control, by B.N. Pshenichnyy, 25 pp.
RUSSIAN, per, Zhur Vychislitel Matemat i Matemat
Fiz, Vol IV, No 2, Mar, Apr 1964, pp 292-305.
JPRS 25636

Sci - Math & Data Proc
Aug 64

264,666

Approximate Calculation of Eigenvectors,
by B. P. Pugachev.
RUSSIAN, per, Zhur Vychisl Matemat i Matemat
Fiz, Vol IV, No 2, 1964, pp 304-343.
Dept of Navy 4336/APL No T-1478

Sci - Eng
Nov 65

292,905

One Method of Selecting an Inserted Variable in the
Simplex Method of Linear Programming, by
V. A. Mash, 7 pp.
RUSSIAN, per, Zhur Vychislitel Matemat i Matemat Fiz,
Vol IV, No 2, Mar, Apr 1964, pp 376-379.
JPRS 25637

Sci - Math & Data Proc
aug 64

264,670

Use of a New Reduction Method in a Problem on
Eigenvalues for Partial Differential Equations,
by R. Kletzler.
RUSSIAN, per, Zhur Vychislitel Matemat i Matemat
Elz, Vol IV, No 3, 1964, pp 434-448.
*Navy/APL J430

Sci - Math & Data Process
Sep 64

Methods of Dynamic Programming in the Theory
of Optimum Equations I. Systems Permitting
Use of the Control Scale, by N. N. Moiseyev,
16 pp.

RUSSIAN, per, Zhur Vychisl Mate i Mate Fiz.
Vol IV, No 3, May, Jun 1964, pp 485-494.
JPRS 26013

Sci - Math & DP
Aug 64

265,899

Journal of Computer Mathematics and
Mathematical Physics. (Selected Articles)
RUSSIAN, per, Zhurnal Vychislitel'noy
Matematiki i Matematicheskoy Fiziki, Vol 4,
No 3, 1964, pp 495-511, 604-610.
P 100086066
FTD-MT-65-532

4495-511

Report Navy. In 6014

Sci-Math Sci RPL/Iku TG 230-T501
Jan 67 316,336

Laminar Boundary Layer on a Sublimating
Surface, by B. V. Alekseyev.

RUSSIAN, per, Zhurnal Vychislitel'noy
Matematiki i Matematicheskoy Fiziki,

Vol 4, No 3, 1964, pp 512-524.

FTD-MT-65-145

CFSTI AD-634, 832

Sci/ Earth Sci

May 65

Programming Based on Control Layers and
the Structure of Digital Computers,
by M. A. Osipova, Yu. A. Sheryder, 15 pp.
RUSSIAN, per, Zhur Vychisl Mate i Mate Fiz,
Vol IV, No 3, May, Jun 1964, pp 525-535.
JPRS 26013

Sci - Math & DP
Aug 64

265,8900

Economical Organization of Information Search
and Retrieval With Extra Storage,
by V. V. Martynyuk, 10 pp.
RUSSIAN, per, Zhur Vychisl Mate i Mate Fiz,
Vol IV, No 3, May, Jun 1964, pp 536-543.
JPRS 26013

Sci- Math & DP
Aug 64

265,901

On Estimates of Solutions of Boundary-Value
Problems for a General Second-Order Elliptical
Equation With Discontinuous Coefficients, by
Van Tan.
RUSSIAN, per, Zhur Vychislitel Matemat i Matemat
Fiz. Vol IV, No 3, 1964, pp 577-580.
*Navy/APL J428

Sci - Phys, Math & Data Process
Sep 64

Numerical Solution of the Cauchy Problem for
Linear Second-order Equations of Parabolic
Type, by V. G. Sragovich.

RUSSIAN, per, Zhur Vychisl Mate i Mate Fiz,
Vol IV, No 3, 1964, pp 592-596.

Dept of Navy Tr 4335/~~EPLA76~~ T-1474

Sci - Math

Nov 65

292,906

Method of Numerical Computation and Solution of the
Problem of Dispersion of a Plane Glass Layer with
Graduated Nonuniform Energy Liberation, by
A. S. Fonarev.
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki i
Matematicheskoy Fiziki, Vol 4, No 3, 1964, pp 604-610.
~~FTD/MT-65-1685~~

FTD-MT-65-583 23/12/65

Sci/Chemistry
Nov 65

The Method of Elimination for Solving
Difference Boundary Problems, by I. D.
Sofronov.

RUSSIAN, per, Zhurnal Vych. Mat. Fiz.,
No. 4, 1964, pp 256-266.

MLL 3774.5 (1291)

Sci - Math

Oct 67

342,738

Nonlinear Boundary-Value Problems of a Heat-radiating
Body, by A. A. Berezovskiy,
RUSSIAN, per, Zhur Vychislitel Matemat i Matemat Fiz.
Vol IV, No 4, 1964, pp 296/303.
*Dept of Navy JHU/APL J559

Sci - Phys
Jul 65

282,324

On Numerical Solution of Boundary Problems,
by T. S. Vashakmadze.
RUSSIAN, per, Zhur Vychisl Mat i Mat Fiz, Vol IV, No 4,
1964, pp 623-637.
*Dept of Navy JHU/APL No J601

Sci- ES
Aug 65

The Theory of the Heat Potential (Installment
1) Direct Values of the Heat Potentials and
the Reverse Problem in the Theory of the
Heat Potential, by Wang Tung, 18 pp.
RUSSIAN, per, Zhur Vych Mate i Matemat Fiz.
Vol IV, No 4, 1964, pp 660-670. TP5002873
FTD-TT-65-1686

Sci - Phys
Jan 67

314,221

Algorithm for Finding a General Formula for Non-Negative
Solutions of a System of Linear Equations,
by N. V. Chernikova.
RUSSIAN, per, Zhurnal Vychisl Matemat i Matemat Fiz.
Vol IV, No 4, pp 733-738.
*Dept of Navy JHU/APL

Sci - DP
Aug 65

On Approximate Solution of Integral Equations,
by Ya. M. Zhileykin.
RUSSIAN, per, Zhur Vychisl Mate i Mato Fiz.
Vol IV, No 4, 1964, pp 749-753.
Dept of Navy Tr 4256/APL No 1419

Sci - Math
Oct 65

291,315

Some Methods of Accelerating the Convergence of
Iterative Schemes, by B. T. Polyak, 17 pp.
RUSSIAN, per, Zhur Vychislitel Matemat i Matemat Fiz,
Vol IV, No 5, 1964, pp 791-802.
JPRS 28179

Sci-Math & Data Proc
Feb 65

273,148

Difference Boundary-value Problem for a General Para-
bolic System, by Konoval'tsev.
RUSSIAN, per, Zhur Vychisl Mat i Mat Fiz, Vol IV, No 5,
1964, p 835.
*Dept of Navy APL/JHU J584

Sci - ES
Aug 65

284,281

Influence of Nonequilibrium Dissociation on
Supersonic Around Blunt Bodies, by Yu. P. Lun'kin,
F. D. Popov, 11 pp.
RUSSIAN, per, Vychisl Mate i Matem, Fiz, Vol IV,
No 5, 1964, pp 896-904.
CIA/FDD X-5513

FTD-TT-65-1666 P100028066 15pp

Sci - Phys
Jan 645

FOR OFFICIAL USE ONLY

270,485

Use of Barycentric Coordinates for Solving Some
Computational Problems, by S. S. Lavrov, 10 pp.
RUSSIAN, per, Zhur Vychislitel Matemat i Matemat Fiz,
Vol IV, No 5, 1964, pp 905-911/
JPRS 28180

Sci-Math & Data Proc
Feb 65

273,147

New Method of Solving Differential Equations of the
Type $t_n(w) \frac{d^n y}{dw^n} + \dots + t_1(w) \frac{dy}{dw} - y(w) = t(w)$,
by A. V. Baranov, 9 pp.
RUSSIAN, per, Zhur Vychisl Mate i Mate Fiz, Vol IV,
No 5, 1964, pp 920-926.
CIA/FDD X-65497

Sci - Math & Data Proc
Dec 64

FOR OFFICIAL USE ONLY

269,774

Ecobomical Difference Schemes for Systems of Parabolic Equations, by Samarskiy.
RUSSIAN, per, Zhur Vychisl Mat i Mat Fiz, Vol IV, No 5, 1964, p 927.
*Dept of Navy APL/JHU JS85

Sci - Phys
Aug 65

284,282

Effective Organization of the Dynamic Use of K Memory,
by M. R. Shura-Bura, V. V. Martinyuk, 7 pp.
RUSSIAN, per, Zhür Vychislitel Matemat i Matemat Fiz,
Vol IV, No 5, 1964, pp 963-~~967~~.
JPRS 28181

Sci-Math & Data Proc
Feb 65

273,146

Input-Output Procedures in the Algol-60 Language,
by A. P. Ershov, S. S. Lavrov, et al, 5 pp.
RUSSIAN, per, Zhur Vychislitel Matemat i Matemat Fiz,
Vol IV, No 5, 1964, pp 970-973.
JPRS 28182

Sci-Math & Data Proc
Feb 65

273,145

Method of Approximate Solution of Systems of Nonlinear
Equations, by V. A. Marveyev.
RUSSIAN, per, Zhur Vychislitel Matemat i Matemat Fiz.
Vol IV, No. 6, 1964, pp 983-994.
*Dept of Navy JHU/APL J560

Sci - Phys
Jul 65

282,325

Approximate Solution of Certain Optimal Control
Problems, by R. D. Fedorenko, 30 pp
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki
i Matematicheskoy Fiziki, Vol 4, No 6, Nov-Dec
1964, pp 1045-1064.
JPRS 29268

USSR
Sci-Math/Data Process
Mar 65

276,576

On the Kinetic Theory of the Boundary
Layer Between a Rarefied Plasma and a
Magnetic Field, by Yu. S. Sigov, 17 pp.
RUSSIAN, per, Zhur Vychis Matemat i Matemat
Fiziki, Vol IV, No 6, 1964, pp 1065-1077.
9698516
FTD-27-65-152

Sci - Phys
Nov 65

291,074

Random Iteration Process, by Ye. V. Vorob'yev.
Soviet, per. Zhur Vychislitel Matemat i Matemat
112, Vol IV, No 6, 1964, pp 1088-1093.
NADA TT P-9442

sci-31/24
Jun 65

On Numerical Solution of Problems on Optimal
Processes with Distributed Parameters, by M.
P. Leonchuk, 10 pp
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki
i Matematicheskoy Fiziki, Vol 4, No 6, Nov-Dec
1964, pp 1112-1117.
JPRS 29268

USSR
Sci-Phys
Mar 65

276,577

On Location of Commands Following a Command
with Random Execution Time with Optimal
Programming, by A. I. Serebryanny, 6 pp
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki
i Matematicheskoy Fiziki, Vol. 4, No 6, Nov-Dec
1964, pp 1131-1134.
JPRS 29263

USSR
Sci-Math & Data Processing
Mar 65

276,573

The Problem of Optimization in Stochastic
Models, by L. S. Gurin, 6 pp
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki
i Matematicheskoy Fiziki, Vol 4, No 6, Nov-Dec
1964, pp 1134-1137.
JPRS 29263

USSR
Sci-Phys
Mar 65

2(3,579

On One Method for Solving Transportation
Network Problems, by V. A. Gorelik and M. S.
Shtil'man, 3 pp
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki
i Matematicheskoy Fiziki, Vol 4, No 6, Nov-Dec
1964, pp 1137-1142.
JPRS 29263

USSR
Sci-Math/Data Processing
Mar 65

276,530

Elimination of Pathological Conditioned-Reflex
Connections in Experimental Hypertensive States,
A. V. Napalkov, A. Ya. Karas, 12 pp.

RUSSIAN, per, Zhur Vyshey Nervnoy Deyatel,
Vol III, No 3, 1947, pp 402-409. 9093748

V

NIH 9-14-61

Sci - Med

178,799

Jan 62

Effect of Vitamin B₁ on Conditioned-Reflex Function
of Dogs, by L. O. Zeval'd, 11 pp.

RUSSIAN, per, Zhurnal Vysshei Nervnoi Deiatel'nosti,
Vol I, No 2, 1951, pp 160-164.

Sci Tr Center
RT-1281

Scientific - Biology

17,412

The Peculiarities of the Interaction Between
the First and Second Signaling Systems in the
Course of Formation of Conditioned Reflexes to
Complex Stimuli in Children, by V. K. Fedoyeva,

RUSSIAN, per, Zhurnal vysshey nervnoy
deyatelnosti, No 3, 1957, pp 23-42.

CIA Library

Q P

355

.U5

R11

109,915

Sci - Med
Mar 60

Distrubance of Higher Nervous Activity on
Intoxication of Animals With Bulbocapnine,
by L. I. Kotlyarevskiy, 50 pp.

RUSSIAN, per, Zhur V^Uisshei Nervnoi Deyatel'nosti,
Vol I, No 4, 1951, pp 579-602.

Sci Mus Lib 55/2459

Natl Res Lib TT-537

Sci - Biology, /11:012

29,584