

Oscillatory Convection and Sunspots Structure, by
Yu. D. Zhugshda.

RUSSIAN, per, Problemy Kosmicheskoy Fiziki
Mezhvedomstvennyi Nauchnyi. Sbornik., No 5, 1970,
pp 3-21.

*AFCRL

Sept 72

Solar Corona Investigations in Kiev University,
1939-1969, by V. I. Ivanchuk.

RUSSIAN, per, Problemy Kosmicheskoy Fiziki
Mezhvedomstvennyi Nauchnyi. Sbornik., No 5, 1970,
pp 22-59.

*AFCRL

Sept 72

Spherical Symmetric Models of the Corona and Solar
Corpuscular Radiation, by G. A. Rubo.
RUSSIAN, per, Problemy Kosmicheskoy Fiziki
Mezhvedomstvennyi Nauchnyi. Sbornik., No 5, 1970,
pp 60-86.
*AFCRL

Sept 72

Problems in Aerospace Medicine; Data on the
Conference Held 24-27 May 1966, by V. V. Parin.
RUSSIAN, bk, Problemy Kosmicheskoy Konferentsii
Materialy Konferentsii (24-27 May 1966),
Moscow, 1966, 414 pp.
*JPRS/DC-12459

TT-F-10.49

Sci - B/M
Jul 66

Electronic Configurations and Mineral
Properties, by A. S. Marfunin.
RUSSIAN, mono, Problemy Kristallokhimiy
Mineralov i Endogennogo Mineralobrazo-
vaniya, 1967, pp 29-43.
NTC 69-10850-08G

Sci-Ear Sci
May 69

382,539

Twin Symmetry Groups, by V. A. Mokievskiy.
RUSSIAN, mono, Problemy Kristalloghimi
Mineralov i Endogennogo Mineralobrazo-
vaniya, 1967, pp 115-123.
NTC 69-10851-08G

Sci-Ear Sci
May 69

382,540

On the Formational Characteristics of the Gabbro-
Noritelabradorite Intrusion of the Glavnyy Range of
the Monche and of the Menchegorsk Pluton, by

YE. V. SHARKOV.

PROBLEMY MAGMATIZMA BALTIYSKOGO SHCHITA (MATERIALY
REGIONALNOGO PETROGRAFICHESKOGO SOVESHCHANIYA),

1971, pp 153-158.

Dept Interior/Geol Survey

Mar 73

On the Theory and Practice of Machine
Diagnosis in Neurology, 9 pp.
RUSSIAN, bk, Problemy Mashinogo Diagnostiki v
Nevrologii, Chap. I, 1967, pp 7-18.
JPRS 43499

Sci-BM
Jan 68

346,411

Principles of Systematization and Preparation
of a Neurological Examination for Feeding
into a Computer, by N. I. Malseyeva, 7 pp.
RUSSIAN, bk, Problemy Mashinogo Diagnostiki v
Nevrologii, Chap II, 1967, pp 19-27.
JPRS 43499

Sci-BAM
Jan 68

346,412

Problems of Mathematical Analysis,
Collection No 1: Boundary Value and
Integral Equations, by V. I. Acade-
mician Smirnov,
RUSSIAN, bk, Problemy Matematicheskogo
Analiza. Sbornik. Vyp. 1: Kraevye Zadachi
i Integral'nye Uravneniya.
*CB

Apr 66

Problems of Mathematical Analysis, no 2, 1968.
USSR: Uchenye Zapiski Matematicheskogo Instituta,
Vyp. 2, 1968.
Mir Press

Sci/ Math
Jan 68

345, 216

*Problems in mathematical analysis, Vol 3: Integral
operators and operator equations, approx 144 pp*

PROBLEMY MATEMATICHESKOGO ANALIZA. VYP3: INTEGRAL'NYE
OPERATORY. OPERATORYE URAVNENIYA, 1971,
PLENUM PUBLISHING

Problems in mathematical analysis, No 4,
RUSSIAN, Problemy matematicheskogo analiza. Vyp. 4,
1973, approx 160 pp.
PLENUM PUBLISHING CORP

sept 72

Problemy Matematicheskoi Fizika, Vyp. 1: Spektral'-
naya Teoriya i Volnovye Protsessy, 1966.

(Problems in Mathematical Physics, Volume 1, Spectral
Theory and Wave Processes.)

*Plenum Press

Problems of Mathematical Physics, No 3, Spectral
Theory. Diffraction Problems. 1965.

BRILLOUIN, L., Problemy Matematicheskoi Fiziki,
Vyp. 3, Spektral'naya Teoriya. Zadachi Difrak-
tsii.

Delatit Press

Sci/Physics
Jan 67*

345,914

Topics in Mathematical Physics.
PUSHEVA, Dk, Problemy Matematicheskoi Fiziki,
Vol 4, 1970, approx. 128 pp.
CONGRESS BUREAU/PLENUM PRESS

sci/ mathematics

oct 69

395,299

Topics in Mathematical Physics, Vol 5,
approx 144 pp.
NEELAN, bk, Problemy Matematicheskoi Fiziki,
Vyp 5. 1971.
Consultants Bureau/Plenum Press

sci/physics
ncv 70

Topics in Mathematical Physics, Vol 6. 160 pp.
RUSSIAN, bk, Problemy Matematicheskoi Fiziki, Vyp. 6
1972
CB/PLENUM PUBLISHING CORP

dec 71

A Methodology for Determining the Elastic Constants
of IN-SITU Rocks, by A. S. Kefeli, et al, 12 pp.
RUSSIAN, rpt, Problemy Mekhaniki Gornykh Porod;
Vsesoyuznoy Konferentsii, 1st Alma Ata, 1965, pp 201-
207.

NASA-TT-F-13654

Sept 71

Change in the Elastic Parameters and Strength of
Rocks Under Pressure, by Z. I. Stakhovskaya, 8 pp.
RUSSIAN, rpt, Problemy Mekhaniki Gornykh Porod;
Vsesoyuznoy Nauchnoy Konferentsii, 1st Alma-Ata,
1965, pp 394-398.
NASA-TT-F-13653

Sept 71

On Variational Principles of the Theory of Elastic
Stability, by V. V. Bolotin, 6 pp.

RUSSIAN, bk, Problemy Mekhaniki Tverdogo Deformirovannogo Tela, 1970, pp 83-88.

CIA-X-7706

Jan 73

On the Orthogonality of Natural Vibrations Modes of
a Thin Elastic Shell, by A. L. Gol'denveizer, 8 pp.
RUSSIAN, bk, Problemy Mekhaniki Tverdogo Deformi-
rovannogo Tela, 1970, pp 121-128.
CIA-X-7707

Jan 73

Shell Stability Under a Dynamic Load, by V. M.
V. M. Darevskiy, 15 pp.
PROBLEMY MEKHANIKI TVERDOGO DEFORMIROVANNOGO TELA,
1970, pp 149-160.
X-7729

Mar 73

On the Influence of Individual Elastic Properties
of the Human Body on the Results of Arterial
Pressure Measurement, by W. Olsczak, 5 pp.
PROBLEMY MEKHANIKI TVERDOGO DEFORMIROVANNOGO TELA,
1970, pp 309-313.
X-7721

Jan 73

The Origin of Gold in Certain Old Con-
glomerates, by V.S. Trofimov
RUSSIAN, mono, Problema Metallonosnosti
Drevnikh Vonglomeratov Na Territoriy,
1969, pp. 58-63
ETC-69-36812
NRCC C-8349

Sci/mat
Mar 70

404,650

AFC (SCL-T-70-250) CHARACTERISTICS OF THE VARIATIONS OF THE EXPLOSIVE EFFECT IN MARTENSITIC TRANSFORMATION. ⁸Maksimova, O. P.; ⁹Maistrenko, L. G. ¹⁰Translated by Z. St-Gallay for Sandia Labs., Albuquerque, N. Mex., from ¹¹Probl. Metalloved. Fiz. Metal.; 9: 37-51 (1967). ²⁰26p. ²⁴Dep. NTIS.

²⁶metallurgy; translations ²⁷11F

²⁸MN-25 ²⁹P NSA

Ya. B. Gurevich

Plastic deformation of refractory metals in a vacuum.
18 pp.

RUSSIAN, Problemy metallovedeniya i fiziki metallov,
No 58, 1968, pp 198-211

AIR/FTD-HT-23-583-72

nov 72

Methodology for Comparing the National Income of
the GDR and FRG in a Single Currency, by
G. A. Yarsenko, 16 pp.
RUSSIAN, bk. Problemy Mezhunarodnoy Statistiki.
Moscow, 1971, pp 172-192.
JPRS 53847

Sept 71

Statistical Analysis of the Dynamics of Hungarian
National Income, by Yanoshai Benedetski, 12 pp.
RUSSIAN, bk. Problemy Mezhdunarodnoy Statistiki,
Moscow, 1971, pp 207-222.
JPRS 53847

Sept 71

Interbranch Analysis Development in Hungary, by
E. E. Batini, L. M. Keniys, 28 pp.
RUSSIAN, bk, Problemy Mezhduarodnoy Statistiki,
Moscow, 1971, pp 223-257.
JPRS 53847

Sept 71

Accounting Balance Sheets of Socialist and Capital-
ist Countries Compared, by I. V. Glebova, 12 pp.
RUSSIAN, per. Problemy Mezhdunarodnoy Statistiki.
Moscow, 1971, pp 258-272.
JPRS 53897

Sept 71

Problems of Modeling in Cardiology (Materials of
the Symposium), by .. M. Pavlenko, V. V. Parin,
et al. 226 pp.

RUSSIAN, bk, Problemy Modelirovaniya v Kardiologii
(Materialy Simpoziuma), 1966-1967, 1968. pp 1-200
AIR/PTD/MT-24-368-68

sci/band m

july 69

387,329

REQ TR CHECK

1-03-73

T283

ON THE APPLICATION OF THE THEORY OF GAMES
APPROACHES IN STRENGTH PROBLEMS

ISAYEV, A S

UR: PROBLEMY NADEZHNOСТИ V STROITEL'NOY
MEKHANIKE, JUNE 1968, pp. 30-34

Process in as

HT73-23-0224

REQ TR CHECK

1-03-73

T284

ACCUMULATION OF THE RESIDUAL STRAINS UNDER
RANDOM TIME VARYING LOADS

ROZOVSKIY, M I; SHAKALOVA, O I

UR: PROBLEMY NADEZHNOСТИ V STROITEL'NOY
MEKHANIKE, JUNE ~~1969~~ 1968, pp. 70-73

Pass in as

HT73-23-0225

REQ TR CHECK

1-03-73

T285

AN APPLICATION OF THE STATISTICAL METHOD TO
INVESTIGATION OF STABILITY OF AN AXIALLY LOADED
CYLINDRICAL SHELL

BAGDASARYAN, G YE; GNUNI, V TS

UR: PROBLEMY NADEZHNOСТИ V STROITEL'NOY

MEKHANIKE, JUNE 1968, pp. 160-162

Process in as

HT 73-23-0226

REQ TR CHECK

1-03-73

T291

VIBRATION OF PLATES MADE OF NONLINEAR
ELASTIC MATERIAL SUBJECTED TO A HOMOGENEOUS
RANDOM PRESSURE FIELD
GONCHARENKO, V.M.

UR: PROBLEMY NADEZHNOСТИ V STROITEL'NOY
MEKHANIKE, JUNE 1968, pp. 229-234

Process in as

HT73-23-0232

REQ TR CHECK

1-03-73

T288

AN INVESTIGATION OF THE FATIGUE LIFE OF
TURBINE BLADES IN STOCHASTICAL CONDITIONS
OF EXPLOITATION

~~GRYAZNOV~~ GRYAZNOV, B A; TUGARINOV, A S
UR: PROBLEMY NADEZHNOСТИ V STROITEL'NOY
MEKHANIKE, JUNE 1968, pp. 252-257

Access in as

HT73-23-0229

REQ TR CHECK

1-03-73

T287

ON THE ESTIMATION OF THE FATIGUE LIFE OF
STRUCTURES LOADED NONSTATIONARLY
KOZLYAKOV, V.V.

UR: PROBLEMY NADEZHNOСТИ V STROITEL'NOY
MEKHANIKE, JUNE 1968, pp. 261-267

Process in as
HT73-23-0228

Contemporary Status of the Theory of
Cortico-Visceral Patogenesis of Goiter,
by I. T. Kurtsin,
RUSSIAN, bk, Problemy Negro-Endokrinnoy
Regulyatsiy, Moscow, 1966, pp 7-22.
*JPRS/NY-13320

June 66

Dynamic Pattern Recognition by Means of Threshold
Nets, by V. A. Dolyatovskiy, I. D. Ponomareva.

8 pp.

RSSM, per, Problemy Neyrokibematiki, 1966,
pp 227-232.

AM/PMB/MI-24-34-69

sci/b and m
jan 70

399,805

Proteins of the Nervous System, Their Metabolism
and Role in Nervous System Activity, by A. V.
Palladin, 19 pp.
RUSSIAN, per, Problemy Neyrokhimii, 1966,
pp. 5-17.
JPRS 39641

USSR
Sci-B&M
Feb 67

315,387

Free Radicals in Different Branches of the
Central Nervous System in the Presence of
Changes in Its Functional State and in the
Course of Ontogenesis, by Ye. I. Azhipa,
L. P. Kayushin and Ye. I. Nikishkin, 9 pp.
RUSSIAN, per. Problemy Neyrokhimii, 1966,
pp. 209-214.
JPRS 39641

USSR
Sci-B&M
Feb 67

315,388

Forecasting as One Category of Approach to
Problems of the Future, by I. V. Bestuzhev-Lada,
15 pp.
RUSSIAN, per, Problemy Obshchey i Sotsial'noy
Prognostiki, Moscow, No 1, 1968, pp 3-26.
JPRS 48537

Sci-Cybernetics
Aug 69

389,003

Splitting a Measure and Forecasting a Qualitative
Leap, by Yu. P. Trusov, B. A. Lastochkin, 18 pp.
RUSSIAN, per, Problemy Obshchey i Sotsial'noy
Prognostiki, Moscow, No 1, 1968, pp 25-53.
JPRS 48537

Sci-Cybernetics
Aug 69

389,004

Forecasting and Control of a Socialist Industrial
Enterprise, by V. V. Kosolapov, 18 pp.
RUSSIAN, per, Problemy Obshchey i Sotsial'noy
Prognostiki, Moscow, No 1, 1968, pp 54-80.
JPRS 48537

Sci-Cybernetics
Aug 69

389,005

Logical Analysis of the Forecasting Problem in
Scientology, by V. V. Malimov, Z. M. Mel'chenko,
7 pp.

RUSSIAN, per, Problemy Obshchey i Sotsial'noy
Prognostiki, Moscow, No 1, 1968, pp 81-90.
JPRS 48537

Sci-Cybernetics
Aug 69

389,006

Forecasting as Information from the Future,
by V. A. Lisichkin, 22 pp.
RUSSIAN, per, Problemy Obshchey i Sotsial'noy
Prognostiki, Moscow, No 1, 1968, pp 91-124.
JPRS 48537

Sci-Cybernetics
Aug 69

389,007

Mathematical Model of the Social Structure of
Soviet Society -- A Basis for Forecasting,
by A. A. Zvorykin, 15 pp.
RUSSIAN, per, Problemy Obshchey i Sotsial'noy
Prognostiki, Moscow, No 1, 1968, pp 125-141.
JPRS 48537

Sci-Cybernetics
Aug 69

389,008

Bibliography on Social Forecasting, 12 pp.
RUSSIAN, per, Problemy Obshchey i Sotsial'noy
Prognostiki, Moscow, No 1, 1968, p 142.
JPRS 48597

Sci-Cybernetics
Aug 69

389,009

VIRULENCE AND IMMUNOGENIC PROPERTIES IN RECOMBINATIONS OF PLAGUE MICROBE IMPART

ANISIMOV, ETAL LANGUAGE-RU COUNTRY-UR

PRUB. OSOBO OPASNYKH INFEKTSIY NO. 3(7), SARA
TOV, 1969 P 84-7

FSTC-HT-23-0200-73

Fleas: Do They Suffer From Plague, by
K. I. Kondraskina, 17 pp.
RUSSIAN, per, Problemy Osobo Opasnykh Infektsiy,
No 5, 1969, pp 212-222.
ACSI J-8176
ID 2204005770

Sci/B&M
June 70

RUSSIAN *Comp. Special* 5-17 - *JPRS 56924*
24AP [REDACTED] CRO: 2978/72 W
19 Jul 72 EP

1. The location of atypical strains in the mechanisms of self regulating epizootic process during plague, by K. I. Esadrashkins, M. I. Nikolayev, et. al.
2. Nutritional requirements of cholera vibrios, by V. L. Semetrochev.

Saratov, Problemy opche opasnykh infektsiy, No 4(20), 1971, pp 5-17, & 210-212.

Please publish. JPRC will need two extra copies of the published report.

Location of Atypical Strains in the Self-
Regulating Mechanisms of the Epizootic Process
During Plague, by K. I. Kondrashkina,
N. I. Nikolayev, 19 pp.
RUSSIAN, per, Problemy Osobo Opasnykh Infektsiy,
Saratov, No 4(20), 1971, pp5-17.
JPRS 56924

Sept 72

Collection of Precipitation from
Bitumen-Sand Paved Areas, by Sh.M.
Annamuradov, 10 pp.
RUSSIAN, per, Problemy Osvoeniya
Pustyn', Academy of Sciences Turkmen
SSR, Vol. I, No. 1, 1967, pp. 51-56.
JPRS 44,638

Sci-Earth Sci. and Oceanography
March 68 352,618

PROBLEMY PEREDACHI INFORMATSII
(Problems of Information Transmission-
quarterly)
Translation of 1965, Vol. No. 1
Order from: The Faraday Press, Inc.
84 Fifth Avenue
New York, N.Y. 10011
1971: \$ 100.00/year USA and Canada
\$ 105.00/year elsewhere
\$ 40.00 single issues

Quantity of Information Defined, by A. N.
Kolmogorov, 11 pp.
RUSSIAN, per, Problemy Peredachi Informatsii
si, Vol I, No 1, 1965, pp 3-11.
JPRS 31,557

USSR
Cybernetics
Aug 65

286,856

Binary Codes With Correction of Dropping
and Insertion of the Symbol 1, by V. I.
Levenshteyn, 21 pp,
RUSSIAN, per, Problemy Peredachi Infor-
matsii Vol 1, No 1, 1965, pp 12-25.

JPRS 31,557

FTD - HT 66-297

USSR

Cybernetics

Aug 65

286,857

Realization of a Boolean Function of n
Variable by Means of a Network of Threshold
Elements with n Inputs, by Ye. A. Butakov, 19 pp.
RUSSIAN, per, Problemy Perodachi Informatsii,
Vol I, No 1, 1965, pp 41-51.
FTD HT 66-297

Sci-Elect
Jul 67

331,454

Reaction of a Single Cycle Discrete Auto-
mation to Variation of Input Effect, by
V. N. Roginskiy, 7 pp.
RUSSIAN, per Problemy Povedachi Informat-
sii, Vol 1, No 1, 1965, pp 52-56.
JPRS 31,597

USSR
Cybernetics
Aug 65

286,858

Some Properties of Symmetrical Functions
of Three-Valued Logic, by B. L. Ovsie-
vich, 10 pp.

RUSSIAN, per, Problemy Perodachi Infor-
matsii, Vol 1, No 1, 1965, pp 57-64/
JPRS 31,557

FTD -HT 66-297

USSR
Cybernetics
Aug 65

286,859

Behavior of Automata in Periodic Random
Media and the Problem of Synchronization
in the Presence of Noise, by V. I. Var-
shavskiy, and M. L. Tsotlin, 9 pp.
RUSSIAN, per, Problemy Peredachi Informatsii,
Vol I, No 1, 1965, pp 65-71.
JPRS 31,557

FTD - HT 66-297

USSR
Cybernetics
Aug 65

286,860

Using Text Ordinalness to Extend the
Possibilities of Reading Devices, by
V. S. Fayn, 10 pp.

RUSSIAN, per, Problemy Peredachi Infor-
matcii, Vol 1, No 1, 1965, pp 72-79.
JPRS 31,557

FID HT 66-287

USSR

Cybernetics

Aug 65

286,861

Procedure for Finding Optimal Information
Transmission Paths, by A. V. Datsimenko
and V. G. Lazarev, 10 pp.
RUSSIAN, par, Problemy Peredachi Informatsii
Vol I, No 1, 1965, pp 80-87.
JPRS 31,557

USSR
Cybernetics
Aug 65

287,632

The Dissipativity of Random Processes Determined by Differential Equations, by
R. Z. Khas'minskiy.
RUSSIAN, per, Problemy Peredachi Informatsii,
Vol 1, No 1, 1965, pp 88-104.
ACSI J-2818
ID 2204027967

Sci/Math
Sep 67

339,581

The Role of the Sexes in Transmission and
Conversion of Genetic Information, by
V. A. Geodakyan, 10 pp.
RUSSIAN, per, Problemy Peredachi Infor-
matsii, Vol 1, No 1, 1965, pp 105-112.
JPRS 31,557

USSR
Cybernetics
Aug 65

287,633

On the Complexity of Decoding, by M. S. Pinsker,
8 pp.
RUSSIAN, per, Problemy Peredach i Informatsii,
Vol I, No 1, 1965, pp 113-116.
FTD HT 66-297

Sci-Elect
Jul 67

331,458

Cyclic Codes Correcting Uniform Error Packets,
by Yu. L. Sagalovich, 6 pp.
RUSSIAN, per, Problemy Peredachi Informatsii,
Vol I, No 1, 1965, pp 117-121.
FTD HT 66-297

Sci-Elect
Jul 67

330,718

On the Synthesis of Microprogrammed
Automatons, by V. G. Lazarev, 24 pp.
RUSSIAN, por, Problemy Peredachi
Informatsii, Vol 1, No 2, 1965,
pp 63-78.
P100226368-V
NFD-INT-23-834-67

Sci/Electro-Electri Engr 364,334
Sep 68

A Comparison of Arbitrary Additive Noises as
Regards the Effectiveness of Their Detection or
Correction, by M. Ye. Deza, 12 pp.
RUSSIAN, per, Problemy Peredachi Informatsii,
Vol 1, No 3, 1965, pp 29-38.
AIR/FTD/HT-23-567-67

Sci-Navl
Nov 68

353,662

Information Transfer in an Ideal Photon Channel,
by L. B. Lovitin.

RUSSIAN, par, Problemy Peredachi Informatsii,

Vol 1, No 3, 1965, pp 71-80.

P100044368-V

FTD-MF-24-151-67

Sci/Phys

Mar 68

351.195

Cyclic Code Decoding with Double Code Correction,
by V. D. Kolesnik, Ye. T. Mironchikov, 14 pp.
RUSSIAN, per, AN SSSR. Problemy Parodachi
Informatsii, Vol 1, No 3, 1965, pp 86-96.
P100156668-V
FTD-HT-23-503-67

Sci/Electr
Aug 68

361,420

Algorithms of Transitional Probability Change of Stochastic Automata, by E. P. Vorontsova.

RUSSIAN, per, Problemy Peredachi Iformatsii, Vol 1, No 3, 1965, pp. 122-6.

NTC 69-11663-12B

Sci-Mat
July 69

386,694

Recognition of Voiceless Fricative Sounds
from a Clipped Speech Signal, by G. I.
Tsemel', 10 pp.
RUSSIAN, per, Problemy Peredachi Informat-
sii, Vol 1, No 4, pp. 33-40, 1965.
JPRS 33779

USSR
Sci-Misc
Jan 66

294,978

Synthesis of Circuits From Threshold and Two-
Threshold Elements, by Ch. I. Askerov, 9 pp.
RUSSIAN, per, Problemy Peredachi Informatsii,
Vol 1, No 4, 1965, pp 49-54.
AIR/ITD/IT-23-566-67

Sci-Elec
Nov 68

353,678

PROBLEMY PEREDACHI INFORMATSII
(Problems of Information Transmission -
quarterly)
Translation of 1966, Vol. 2 up to and
including 1967, Vol. 3, No. 4
Order from: National Technical Information
Service
5285 Port Royal Road
Springfield, Virginia 22151
\$ 3.00 single issues

Problemy Peredachi Informatsiy will be done

Cover-to-Cover by Plenum Press instead of Faraday Press.

Nov 71

Problemy Peredachi Informatsii, Vol II, No 1, 1966,
pp

Full Tr by JPRS 35672

May 66

Problemy Peredachy Informatsii, Vol II, No 2, 1966,
pp 1-82.

Available at JPRS 37632

Sept 66

No 3, 1966

Problemy Peredachi Informatsii, Vol II, No 3,
1966 pp 1-177

Full tr by JPRS 38,587

Available at LY Serials

Nov 66

Problemy Peredachi Informatsii, Vol 2, No 4, 1966
pp 1-113

Full tr by JPRS 40,820

56-67 Dept Navy/APA/IHU

J-970

May 67

... 11, Vol III, No 1,
1967 pp 1-124

Full tr by JPRS 40,821

May 67

Full tr by J.P.R.S. 42,439

Nov 67

Problemy Peredachi Informatsii, Vol 3, No. 3, 1967,
pp 1-131.

Full tr by J.P.R.S. 43,364

Nov 67

On the Problem of Automatic Correction of Grouped
Errors on a Magnetic Tape, by V. S. Iapin.
RUSSIAN, per, Problemy Peredachi Informatsii,
No 1, 1968, pp 28-34, Vol 4.
FTD HT Special 41-70

mar 70

404,370

The Organization of the Waiting Discipline in
Mass-Servicing Systems Using the Model of the
Collective Response of Automata, by
V. I. Varshavskiy, M. V. Meleshina, et al. 7 pp.
RUSSIAN, per, Problemy i Peredachi Informatsiy,
Vol 4, No 1, 1968, pp 73-76.
AIR/FTD/HT-23-94-70

Sci-Elec
June 70

Optimum Detection of a Quantum Signal, by
P. A. Bakum, S. S. Shchurov.
RUSSIAN, per, Problemy Peredachi Informat-
siya, Vol 4, No 1, 1968, pp 77-82.

~~FPB-S-206~~

FPB Special 219-68

Jan 69

373,282

Arithmetic Compositional Codes with Error Correction,
by Yu. G. Dadayev.
RUSSIAN, per, Problemy Peredachi Informatsiy,
Vol 4, No 2, Apr-Jun 1968, pp 38-45.
FTD HT Special 183-70

Sci-Elec
J1 70

Methods for Introducing Redundancy in Order to
Improve the Reliability of a Finite Automation,
by Yu. L. Sagalovich.

RUSSIAN, per, Problemy Peredachi Informatsiy,
Vol 4, No 3, 1968, pp 62-72.

FID HT Special 352-70

Sci-Mech
Dec 70

Probability of Error in Block Transmission Over
a Memoryless Gaussian Channel With Feedback, by
M. S. Pinsker. 21 pp.

RUSSIAN, per, Problemy Peredachi Informatsii,
Vol 4, No 4, 1968, pp 3-19.

S-598 77D Special

NIC 080118R ZATS7

june 69

382,997

Glyclic Reed-Muller Codes and Their Decoding,
by V. D. Kolesnik, Ye. T. Mironchikov. 9 pp.
RUSSIAN, per, Problemy Peredachi Informatsii,
Vol 4, No 4, 1968, pp 29-25.
FTD ~~8-592~~ *israel*

may 69

381,280

Upper and Lower Error Probability Boundaries in
the Decoding of Discrete Channels, by V. M. Yegamin.
23 pp.

RUSSIAN, PER, Problemy Peredachi Informatsii,
Vol 5, No 1, 1969, pp 23-29.

S-594

77D Special

june 69

382,993

Game Theory Methods Applied to Recognition
of Two Objects in the Presence of Inter-
ference in a Channel, by V. F. Nesteruk,
RUSSIAN, per, Problemy Peredachi Informatsii,
Vol 5, No 1, 1959, pp 98-100.
FTD HT Special 302-70

nov 70

Sequential Decoding for a Binary Channel With
Dropouts and Insertions, by K. Sh. Zigangirov.
14 pp.
RUSSIAN, per, Probl. Peredachi Inform, Vol 5,
No 2, 1969, pp 23-30.
NASA TT F-12991

sci/nav, commun
aug 70

Logical Basis of Information Theory and Probability
Theory, by A. N. Kolmogorov.
RUSSIAN, per, Problemy Peredachi Informatsiy, Vol 5,
No 3, 1969, pp 3-7.
*Dept of Navy APL/JHU J-1472

Sci/Math
Mar 70

The Conditions of Boundedness of Information
Between Two Gaussian Processes, by D. S. Apokorin.
RUSSIAN, per, Problemy Poredachi Informat'siy, Vol 5,
No 3, 1969, pp 22-27.
*Dept of Navy APL/JHU J-1473

Sci/Math
Mar 70

M. Kobloba

*Use of Gallium arsenide crystals to modulate emission
on 10.6 μ wavelength. 5 pp.*

RUSSIAN, Problemy peredachi informatsii, 1969,

pp 376-382

AIR/FTD-HC-23-848-72

oct 72

G. Vlasov

*On the range of video transmission in water by laser
beam. 5 pp.*

RUSSIAN, Problemy Peredachi Informatsii, 1969,

pp 650-655

AIR/FTD-HC-23-847-72

dec 72

Transmission Capacity with Zero Error and Erasure,
by M. S. Pinsker.
RUSSIAN, per, Problemy Peredachi Informatsii,
Vol VI, No 1, 1970, pp 20-24.
NAVY/APL/JHU-T-2652

Nov 72

Weight Spectrum of Binary Bouze- Choudhuri-
Hockingham Codes, by V. M. Sidelnikov
RUSSIAN, per, Problemy Peredachi Informatsii,
Vol 7, No 1, 1971, pp 14-22
NTC 71-16849-12A

Feb 72