

A Certain Class of Topological Groups, by
V. I. Usakov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 1,
1962, pp 65-68.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

An Investigation of Solutions of the Fundamental
Equations of the Theory of Surfaces, by V. T. Fomenko,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 1,
1962, pp 69-71.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

Semigroups the Lattice of Whose Subsemigroups Is
Relatively Complemented, by L. N. Sevrin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 1,
1962, pp 72-75.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

Linearly Enveloping Cycloidal Curves, by
I. I. Artobolevskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 1,
1962, pp 76-80.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci

Nov 62

The Degree of Depolarization of Raman Spectrum Lines
for Hydrocarbons With Conjugate Double Bonds, by
A. V. Bobrov, Kh. E. Sterin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 1,
1962, pp 81-84.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci

Nov 62

The Theory of Defects Formed in Solids by Recoil
Atoms During Gamma Radiation, by B. N. Finkel'steyn,
Yu. L. Khayt, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 1,
1962, pp 85-88.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci

Nov 62

Kinetic Equation for a Relativistic Gas in an Arbitrary
Gravitational Field, by N. A. Chernikov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 1,
1962, pp 89-.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci

Nov 62

Phase Transformation of Indium Antimonide at High
Quasihydrostatic Pressures, by E. G. Pontiatovskiy,
G. I. Peresada.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 1,
1962, pp 129-131.

SLA 63-14454

Sci - Phys
6 Feb 63

Kinetics of Chemiluminescence and a Study
of the Reactions of Liquid Phase Hydro-
carbon Oxidation, by R. F. Vasilev.
RUSSIAN, per, Akademiya Nauk SSSR. Doklady,
Vol 144, No 1, 1962, pp 143-146.
NTC-71-15663-07D

Feb 72

Diffusion Coefficients of Calcium in the Liquid
Phase During Calcination of Portland Cement,
by P. P. Budnikov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV,
No 1, 1962, pp 100-101.

MLL Ref: 5196 1963 (1162) (Loan)

Sci - M/M
Aug 63

343,376

About the Synthesis of Compounds With a Volatile
Component, by V. N. Vigdorovich, A. Ya. Nashel'skiy,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Chemical Technology
Section), Vol CXLIV, No 1, 1962, pp 182-185.

CB

Sci

Aug 63

Absorption in the 10-Micron Region of the Infrared
Spectrum by Nonsulfide Minerals, by I. N. Plaksin,
V. I. Solnyshkin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Chemical Technology
Section), Vol CXLIV, No 1, 1962, pp 186- .

CB

Sci

Aug 63

Injurious Effect of Strontium-90-Yttrium-90 on Early Development of Mullet, Wrasse, Horse Mackerel, and Anchovy, by G. G. Polikarpov, V. N. Ivanov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section, Vol CXLIV, No 1, 1962, pp 219-222.

CB
Amer. Inst. Phys.
Sov Phys - Dok
Vol VII, No 5

Sci -
Nov 63

Presence of Pseudouridylic Acid in the RNA of Insects,
by N. A. Gumilevskaya, N. M. Sisakyan, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section, Vol CXLIV,
No 1, 1962, pp 223-225.

CB

Sci -
Nov 63

Dark Synthesis of Chlorophyll b in Green Plants, by
A. A. Shlyk, E. M. Stanishevskaya, 4 pp., 7 pp - 26 refs.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section, Vol CXLIV,
No 1, 1962, pp 226-229.

CB
OTS 63-16730

Sci -
Nov 63

The Reaction of the Hypothalamo-Hypophyseal System
of Rats to Cortisone and ACTH, by E. I. Zubkova-
Mikhailova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIV, No 1, 1962, pp 230-233.

CB

Sci -
Nov 63

A Refl x to the Relative Values of Specific (Food)
Conditioned Stimuli in Dogs, by E. G. Vatsuro,
Yu. Ya. Zakher, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, ~~2~~Biol Section,
Vol CXLIV, No 1, 1962, pp 234-237x7.

CB

Sci -
Nov 63

On the Problem of the Mechanism of Action of
Serotonin on the Working Capacity of the Neuro-
Muscular Apparatus, by M. M. Gromakovskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIV, No 1, 1962, pp 238-241.

CB

Sci -
Nov 863

Correlation Between the Strength of the Basic Cortical
Processes and the Production of Specific Antibodies,
by D. F. Pletsityl, A. M. Monastnikov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIV, No 1, 1962, pp 242-244.

CB

Sci -
Nov 63

Study of the Inductive Activity of the Mesoderm on
Material From the Auditory Vesicle in Sturgeons on
Amphibians, by E. V. Chulitskaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIV, No 1, 1962, pp 245-247.

CB

Sci -
Nov 63

Spectral and Metric Isomorphism of Some Normal
Dynamical Systems, by A. M. Versik, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 255-257.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

Asymptotic Solution of the Mixed Problem for a
Fourth Order Equation With Small Parameter Degenerating
Into a Second Order Hyperbolic Equation, by
M. G. Dzavadov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 258-260.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

Solution of Some Algorithmic Problems for Commutative Semigroups, by V. A. Emelicev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2, 1962, pp 261-263.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

New Method of Computing Magnetic Interference, by S. N. Gorodenskiy, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 1, 1962, pp 97-100.

CIA/FDD XX-1219
NOT RELEASABLE TO FOREIGN NATIONALS

Sci

Jul 62
USIB INTERNAL USE ONLY

205,646

An Investigation of Singularly Perturbed Systems in
the Neighborhood of a Family of Closed Orbits, by
K. V. Zadiraka, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 264-267.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

Perturbation Determinants and a Formula for the
Traces of Unitary and Self-Adjoint Operators, by
M. G. Kreyn, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 268-271.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci
Nov 62

Direct and Converse Theorems in the Theory of
Approximation of Functions by m -Singular Integrals,
by R. G. Mamedov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 272-274.

Amer Math Soc
R Sov Math - Dok
Vol III, No 3

Sci

Nov 62

An Analog of the First Boundary Problem for Stable
Hypoelliptic Operators, by P. P. Mosolov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 275-278.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

On the Theory of Perturbation of a Continuous Spectrum, by I. V. Stankevic, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2, 1962, pp 279-282.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

On Bending and Uniqueness of Surfaces of Positive
Curvature With an Edge, by V. T. Fomenko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 283-285.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

The Impossibility of a Strictly Continuous Two-to-One Partition of a Homology Cube, by A. V. Cernavskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2, 1962, pp 286-289.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci
Nov 62

Martin's Boundary for Linear Elliptic Operators of
Second Order, by M. G. Sur, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 290-292.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

The Formation of Shock Waves by Reflection of a
Weak Discontinuity From a Sound Line, by
L. P. Gor'kov, L. P. Pitayevskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 293-.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci

Nov 62

The Hamiltonian of a Uniaxial Ferromagnet, by
N. A. Potapkov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 297-299.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci

Nov 62

Determination of the Electrophoretic Ion Velocity
From the Distribution Function, by E. A. Strel'tsova,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 300-302.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci
Nov 62

Generalized Method of Spin Waves, by S. V. Tyablikov,
E. N. Yakovlev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 303-306.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci

Nov 62

Multiple Creation of Nucleon Pairs by Thermal
Photons in an Open Cosmological Model, by
D. A. Frank-Kamenetskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 307-309.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci

Nov 62

Radiative Correction for the Intensity of Cerenkov
Radiation of Charged Particles, by V. N. Tsytovich,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 310-313.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci

Nov 62

Flux Vector and Mass Tensor of a Relativistic Ideal
Gas, by N. A. Chernikov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 314-.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci

Nov 62

The Growth Mechanism of a Ferrite Center During
the Isothermal Decomposition of Austenite, by
I. P. Garkusha, B. Ya. Lyubov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 318-321.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci
Nov 62

Diffraction on a Large Opening in a Wide Waveguide, by
B. Z, Katsenelenbaum, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 322-324.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci

Nov 62

The Effect of Gamma Irradiation on the Heat Resistance
of Low-Carbon Steels, by I. A. Oding, P. V. Zubarev,
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 325-326.

AIP
Sov Phys - Doklady
Vol VII, No 5,

Sci

Nov 62

The Similarity Phenomenon During Wear, by
S. B. Ratner, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 327-329.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci

Nov 62

Application of the Hamilton-Ostrogradskii Principle
in the Study of the Regularity of the Breakdown
of Solid Bodies, by Ya. B. Bridman, E. M. Morozov,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 330-.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci

Nov 62

(DC-6964)

ON THEX THEORY OF TERRESTRIAL ATMOSPHERICS, BY
P. YE. KRASNUSHKIN, 8 PP.

RUSSIAN, PER, DOK AK ~~XX~~ NAUK SSSR, VOL CXLIV,
NO 2, 11 MAY 1962, PP ~~334-337~~.

JPRS 14851

SCI - GEOPHYS
AUG 62

207,148

Effect of the Magnetic Field Upon Amplitude Increase
of Accoustic Waves in a Medium With Dropping
Density, by B. A. Tverskoy.

RUSSIAN, ps. Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 338-340. 9203674

X NASA TT F-8266

Sci
Jan 63
US GOV'T USE ONLY

219,850

Bresler, L. S., Dolgoplosk, B. A., Kolechkova, M. F., and Kropacheva, E. N.
COPOLYMERIZATION OF BUTADIENE WITH ISOPRENE UNDER THE INFLUENCE OF COMPLEXES OF BUTYLLITHIUM WITH TRIETHYLAMINE AND TETRAHYDROFURAN. [1963] 5p (table omitted)
11 refs

Order from OTS or SLA \$1.10

63-18852

Trans. of Akademiya Nauk SSSR, Doklady, 1962, v. 144, no. 2, p. 347-348.

DESCRIPTORS: *Butadienes, *Isoprene, *Copolymerization, Complex compounds, Amines, Methanes, Ethyl radicals, Butyl radicals, *Lithium compounds, Oxides, Synthetic rubber.

This paper contains the results of the study of the copolymerization of butadiene and isoprene with com-
(Materials--Elastomers, TT, v. 10, no. 11) (over)

63-18852

1. Title: Butyllithium
2. Title: Tetrahydrofuran
3. Title: Triethylamine

- I. Bresler, L. S.
- II. Dolgoplosk, B. A.
- III. Kolechkova, M. F.
- IV. Kropacheva, E. N.

Office of Technical Services

Thermal Catalytic Desulfurization of a Hydrocarbon
Fuel on a Calcined Clay-Hydroxide Catalyst, by
V. S. Komarov, N. F. Ermolenko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Chemical Technology
Section), Vol CXLIV, No 2, 1962, pp 406- .

CB

Sci

Aug 63

In Vitro Observations and Microcinematography of
Cell Development in Tissue Cultures, by N. N. Kochetov,
O. S. Gudima, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 2,
1962, pp 441-442.

CB

Sci -
Nov 63

Role of Oxygen in Effect of Radiomimetic (Oxidized Oleic Acid) on Yeast Cells, by Yu. B. Kudryashov, G. I. Gasanov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section, Vol CXLIV, No 2, 1962, pp 443-445.

CB
Amer. Inst. Phys.
Sov. Phys. - Dok
Vol VII, No 5

Sci -
Nov 63

Solubilization Phenomena in Solutions of Phytopathogenic Viruses, by I. G. Atabekov, V. A. Pchelin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section, Vol CXLIV, No 2, 1962, pp 446-448.

CB

Sci -
Nov 63

Chemical Nature of the Mitochondrial Factor Stimulating Glycolysis, by S. A. Neifakh, V. S. Gaitskhoki, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section, Vol CXLIV, No 2, 1962, pp 449-452.

CB

Sci -
Nov 63

Adenosine Triphosphate and Protein Synthesis in
Chloroplasts, by N. M. Sisakyan, K. L. Gladilin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIV, No 2, 1962, pp 453-456.

CB

Sci -
Nov 63

New Information on the Control of Cabbage Maggots
~~xxx~~ (Chortophila Brassicae Bouche ~~mand~~ Ch. Floralis
Fall), by N. V. Tsitsin, E. S. Cherkasskii, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIV, No 2, 1962, pp 457-460.

CB

Sci -
Nov 63

Polynomial Operations Commuting With Translation,
by D. L. Berman, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3,
1962, pp 467-470.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

Some Inequalities Satisfied by Differentiable
Functions of One Variable, by G. A. Bessmertnyh,
A. Ju. Levin.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3,
1962, pp 471-474.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

On the Theory of Wave Operators and Scattering
Operators, by M. S. Birman, M. G. Kreyn, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3,
1962, pp 475-478.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

On the Homology of Some Local Rings, by E. S. Golod,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol EXLIV, No 3,
1962, pp 479-482.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

Brownian Motion With Killing Measure μ and Velocity
Measure γ , by E. B. Dynkin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3,
1962, pp 483-486.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

Studies on the Morphology of the Causal Agent of
Vorovskii's Disease - Leishmania Tropica, by
I. A. Davydov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, ~~Ya~~ Biol Section,
Vol CXLIV, No 3, 1962, pp 685-687.

CB

Sci -
Nov 63

Triangular Groups of Automorphisms of Quasioperator Groups, by V. G. Zitomirskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3, 1962, pp 487-489.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

On the Classification of Formal Abelian Groups,
by Ju. I. Manin, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3,
1962, pp 490-492.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

A Boundary Value Problem for a System of Two
Differential Equations, by A. I. Perov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3,
1962, pp 493-496.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

A Method for Automating the Solution of Boundary Value Problems of High-Speed Computers, by V. K. Saul'ev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3, 1962, pp 497-500.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

The Dirichlet Problem for an Equation Involving
a Small Parameter and With Discontinuous Coefficients,
by M. I. Freidlin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3,
1962, pp 401-504.

5

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

Expansion in Eigenfunctions of Non-Selfadjoint
Singular Second Order Differential Equations, by
V. N. Funtakov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3,
1962, pp 494-508.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

Semigroups of Continuous Transformations, by
L. B. Sneperman, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3,
1962, pp 509-511.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

Self-adjoint Operators on an Orthogonal Sum of
Hilbert Spaces, by A. V. Straus, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3,
1962, pp 512-515.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci
Nov 62

REPRESENTATION OF OPERATORS ON A MEMORY, BY
N. I. GLEBOV, 9 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLIV, NO 3,
1962, PP 516-519.

JPRS 15261

SCI - ELECTRON

OCT 62

212,205

Dissipation Fluctuations in Locally Isotropic
Turbulent Flow, by G. S. Golitsyn, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3,
1962, pp 520-523.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci

Nov 62

The Problem of an Explosion on the Surface of a
Liquid, by A. A. Deribas, S. I. Pokhozhayev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3,
1962, pp 524-526.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci

Nov 62

Reduction of Certain Three-Dimensional Diffraction Problems To the Dirichlet Problem for the Laplace Equation, by V. A. Borovikov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3, 1962, pp 527-.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci

Nov 62

Electron Excitation in Germanium by Potassium Ions,
by I. A. Abroyan, V. A. Zborovskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3,
1962, pp 531-534.

AIP
Sov Phys - Doklady
Vol VII, No 5.

Sci

Nov 62

The Theory of a Thermomolecular Pressure Drop and
the Thermoosmosis of Gases in Wide Capillaries, by
B. V. Deryagin, S. P. Bakanov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3,
1962, pp 535-537.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci

Nov 62

An Optical Investigation of Phase Transitions Under Pressure, by Yu. A. Kluyev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3, 1962, pp 538-540.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci

Nov 62

The Atomic Structure of W Microcrystals With
Dimensions Up to 60 Å, by A. P. Komar, V. N.
Shrednik, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3,
1962, pp 541-543.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci

Nov 62

Relativistic Maxwell-Boltzmann Distribution and the
Integral Form of the Conservation Laws, by N. A.
Chernikov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3,
1962, pp 544-.

AIP
Sov Phys - Doklady
Vol VII, No 5

]Sci

Nov 62

Increasing the Heat Resistance of Low-Carbon Steels
by Mechanical-Chemical-Heat Treatment, by I. A. Oding,
P. V. Zubarev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3,
1962, pp 548-550.

AIP
Sov Phys - Doklady
Vol VII, No 5

Sci

Nov 62

A Mechanism of Plastic Deformation in Metals,
by V. I. Shabalín, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3,
1962, pp 551-.

AIP

Sov Phys - Dok
Vol VII, No 5

217,461

Sci

Nov 62

Paushkin, Ya. M., Yuzvyak, A. G., and Rubinshtein, A. I.

SYNTHESIS OF DIMETHYLCYCLOHEXADIENE AND VINYLCYCLOHEXENE BY THE DIMERIZATION OF BUTADIENE. [1962] 7p.

Order from ATS \$7.00

ATS-83P64R

Trans. of Akad[emiya] Nauk SSSR. Dokl[ady] 1962, v. 144, no. 3, p. 581-584.

DESCRIPTORS: *Diene synthesis, *Methyl radicals, *Cyclohexadienes, *Vinyl radicals, *Cyclohexenes, Synthesis, *Butadienes, *Hexenes.

(Chemistry--Organic, TT, v. 9, no. 2)

63-12267

I. Title: Dimerization

I. Paushkin, Ya. M.

II. Yuzvyak, A. G.

III. Rubinshtein, A. I.

IV. ATS-83P64R

V. Associated Technical Services, Inc., East Orange, N. J.

ATS RJ-4034

OTS 63-14312

Office of Technical Services

Correlation Between the Intensity of Light and the
Value of the Relation of Chlorophyll a:b in Arboreal
Plants, by V. S. Vakula.

RUSSIAN, per, Doklady Akad. Nauk Belorussk. SSR,
Vol 6, No 9, 1962, pp 589-591.

NRC Ref: C-4792

Sci -
Aug 67

334,876

Tinyakova, E. I., Zhuravleva, T. G. and others.
THE CATIONIC ACTIVITY OF COMPONENTS OF
COMPLEX CATALYSTS. [1962] 5p.
Order from ATS \$7.75

ATS-62P63R

Trans. of Akad[emiya] Nauk SSSR. Dokl[ady] 1962,
v. 144, no. 3, p. 592-595.

DESCRIPTORS: *Complex compounds, *Catalysts, Ions.

(Chemistry--Physical, TT, v. 9, no. 2)

62-34243

- I. Tinyakova, E. I.
- II. Zhuravleva, T. G.
- III. ATS-62P63R
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

ATC RI-3946

Office of Technical Services

The Formation of Microporous Structure During
the Thermal Degradation of Saran, by A. A. Tager.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3,
1962, pp 602-605.

NLL(LOAN)Ref: 5828.4 1963 (5442)

Sci-Chem
April 64

TT-6000-5442

Optimal Processing in a Sequence of Adiabatic
Reactors With Ideal Expulsion, by L. M. Pis'men,
I. I. Ioffe, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Chemical Technology
Section), Vol CXLIV, No 3, 1962, pp 609- .

CB

Sci

Aug 63

Changes in the Fatness Factor of the White Sea
Herring Linked With the Condition of the Sexual
Products, by G. A. Bogdanov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIV, No 3, 1962, pp 652-655.

CB

Sci -
Nov 63

Effect of the Biogenic Discharge of the RiverDon
and of Salinity on the Development of Zooplankton in
Taganrog Gulf in the Sea of Azov, by A. N. Smirnov,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 3 ,
1962, pp 656-658.

CB

Sci -
Nov 63

On the Proteins of Broad Bean Seeds (*Vicia Faba* L.),
by A. D. Berezovikov, V. G. Klimenko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIV, No 3, 1962, pp 659-661.

CB

Sci -
Nov 63

Effect of Boron on Rate of Incorporation of P32
Into Nucleic Acids of Sunflower, by M. Ya. Shkol'nik,
A. V. Kositsyn, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIV, No 3, 1962, pp 662-664.

CB

AEC-Tr-5489 (4, f)

Sci -
Nov 63

Chromosome Complex of *Carios Vespertilionis* Latr.
(Ixodoidea, Argasidae) With Reference to Its Generic
Affinity, by Yu. . Goroshchenko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIV, No 3, 1962, pp 665-668.

CB
CSIRO/No 6211 (9fp)
OTS 63-23405

Sci -
Nov 63

NIH 4-47-64 (Loan)

New Facts Relating to the Problem of the Origin of
Pelagic Nemertines, by V. S. Korotkevich, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIV, No 3, 1962, pp 669-671.

CB

Sci -
Nov 63

The Action of Heparin on Mice Poisoned With Venom of
the Viper (*Vipera Lebetina*), by I. A. Val'tseva,
E. N. Pavlovskii, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIV, No 3, 1962, pp 672-674.

CB

Sci -
Nov 63

(DC-6989)

THE EFFECT OF VITAMIN B₁₅ (PANGAMIC ACID) ON THE
RESISTANCE OF THE ORGANISM AND ITS CARDIOVASCULAR
SYSTEM TO HYPOXIA, BY A. V. DOKUKIN, Z. S. KONSTANT-
INOVA, ET AL, 4 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLIV, NO3,
1962, PP 675-677.

JPRS L4995

SCI - MED
SEP 62

CB

209,446

The Occurrence of the Stage of Rhythmical Motor
Activity in the Development of Over-Inhibition,
by N. P. Movchan, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIV, No 3, 1962, pp 678-681.

CB

Sci -
Nov 63

Human Prenatal Adaptation to Postnatal Ecology,
by A. V. Nasedkin, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biol Section,
Vol CXLIV, No 3, 1962, pp 682-684.

CB

Sci -
Nov 63

Small Perturbations of the Automorphisms of the
Torus, by V. I. Arnol'd, Ja. G. Sinai, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 4,
1962, pp 695-698.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

Optimal Processes With Cyclic Constraints, by
R. Gabasov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 4
1962, pp 699-702.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

Fourier Transforms for Abstract Set Functions, by
Ju. I. Gil'derman, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 4,
1962, pp 703-705.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

Uniform Approximation of Generalized Analytic
Functions, by S. Ja. Gusman, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 4,
1962, pp 706-708.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62

Certain Systems of Differential Equations of
Mixed Type, by V. P. Didenko, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLIV, No 4,
1962, pp 709-712.

Amer Math Soc
Sov Math - Dok
Vol III, No 3

Sci

Nov 62