

Syntheses of Vinyl Monomers. III. Concerning the
Syntheses of Vinyl Esters From Aceto- and Chloro-
mercuriacetaldehydes and Concerning the Mechanism of
These Reactions, by A. Ya. Yakubovich, V. V. Razumovskiy,
Z. N. Vostrukhina, S. M. Rozenshtein, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 7,
1958, pp 1930-1936.

Consultants Bur

Sci - Chem

96,883

(DC-6330)

Automatic Device for Measuring and Recording
the Coefficient of Heat and Moisture, by
Yu. L. Rozenshtok, 14 pp.

RUSSIAN, per, Mez i Gid, No 6, 1961, pp 52-59.

JPRS 11504

Sci - Geophys
Jan 62

178,690

Utilization of Thermistors for Correcting
Differential Temperature-Difference Measuring
Circuits, by N. A. Eganov, Yu. L. Rosenblat,
& pp.

RUSSIAN, per, Izmeritel Tekh, No 9, 1961,
pp 22-24.

ISA

Sci

Jan 62

201,614

Determination of the Characteristics of
Semiconductor Thermistors used in Measurements,
by M.A. Kaganov, Yu.L. Rosenzhtok, 3 pp.

RUSSIAN, per, Priborostroneniye, No 3, 1960,
pp 5-6.

Taylor & Francis

Soi
Jan 61

137,271

DESIGNING THE WORLD'S LARGEST BLAST FURNACE,
BY M. B. ROZENSHTRAKH, M. B. KUTNER, 11 PP.

RUSSIAN, PER, METALLURGICHESKAYA I GORNORUDNAYA
PROMYSHLENNOST', NO 5, SEP-OCT 1962, PP 3-7.

JPRS 17143

USSR
ECON
SCI - ENGR
JAN 63

219,458

Comparison of Angiographic and Bronchographic
Data in Central Forms of Lung Cancer, by L. S.
Rozenhtraukh, M. L. Semenovskiy, 8 pp.

RUSSIAN, per, Voprosy Onkol, Vol VI, No 10,
1960, pp ~~51-54~~. 46-51.

XX PP

Sci
Jun 61

158,388

Comparison of Angiographic and Bronchographic data
in the Peripheral form of lung Cancer; by L. S.
Rozenshteyn, M. L. Samenovskiy; 8 pp.

RUSSIAN, per, Voprosy Onkol, Vol VI, No 11, 1960,
pp 33-38.

PP

164,796

Sci-

Aug 61

The Bronchial Tree in Lobar and Zonal Atelectasis
and Cirrhosis of the Lungs, by V. Ya. Fridkin,
L. S. Rozenshtaukh, 8 pp.

RUSSIAN, per, Voprosy Onkologii, Vol V, No 10,
1959, pp 425-431.

PP

Sci

Aug 60

124,276

First All-Russian Conference of Roentgenologists
and Radiologists, by L. S. Rozenhtraukh, 24 pp.

RUSSIAN, per, Byull Uchenogo Medit Soveta,
No 2, Mar/Apr 1962, pp 22-27.

JPRS 15477

Sci - Med
Oct 62

212,401

S-5147

(NY-2568)

The Seventh All-Union Congress of Roentgenology
and Radiology, by Yu. N. Sokolov, V. M.
Bentsyanova, L. S. Rozenshtraukh, 20 pp.

RUSSIAN, per Vest Rentgenolog i Radiolog, No 1,
Jan/Feb 1959, pp 82-90.

JPRS-L-830-N

Sci - Med

Jun 59

90, 258

The Significance of Bronchography in the Diagnosis of Spherical Lung Cancer, by L. S. Rozenshtraukh, 6 pp.

RUSSIAN, per, Voprosy Onkolgoiy, Vol III, No 5, 1957, pp 578-583.

Pergamon Inst

Sci - Med
Jan 59

78,657

Investigation of Electrocardiographic Indices and
Myocardial Oxygen Consumption Under Conditions of an
Extracorporeal Circulation, by Ye. N. Ashcheulova,
G. V. Rozenshtaukh, A. V. Trubetskoy, 6 pp.

USSIAN, per, Ekspert Khirurgiya, Vol V, No 6, Moscow,
Nov/Dec 1960.

JPRS 7980

Sci
Apr 61

145,354

Producing Alumina by Sintering Aluminosilicates
With Limestone, Soda, and Reducer, by R. C.
Rozenstretser, N. S. Berseneva, 8 pp.

RUSSIAN, per, Sovet Metal, Vol IV, No 7,
1963, pp 42-47.

Primary Sources

Sci
Jan 64

270,388

Dehydrogenation of Isopentane by Chromium Oxide-
Aluminum Oxide Catalysts, by Chang Chao-lan,
K. P. Lavrovskiy, A. A. Rozental', 10 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol I, No 4, 19
pp 583-592.

CB

Sci

172,768

Oct 61

Chemical Reactions Between Gases and Solids in a
Fluidized Bed. II. Reactions in a System of
Constant Gas Composition, by A. L. Rozental'.
8 pp.

RUSSIAN, per, Kinetika i Kataliz, Vol III, No 3,
1962, pp 402-410.

CB

Sci

Apr 63

233,678

<p>Rozental, A. L. KINETIC ANALYSIS OF CHEMICAL PROCESSES OF INTERACTION OF GASES WITH SOLID BODIES IN A FLUIDIZED BED. [1962] 5p. Order from ATS \$8.25 ATS-37P66R</p> <p>Trans. of Kinetika i Kataliz (USSR) 1962, v. 3, no. 4, p. 541-544.</p> <p>DESCRIPTORS: *Fluidized solids, Gases, Solids, Re- action kinetics, Chemical reactions.</p> <p>(Engineering--Chemical, TT, v. 9, no. 7)</p>	<p>63-12636</p> <p>I. Rozental, A. L. II. ATS-37P66R III. Associated Technical Services, Inc., East Orange, N. J.</p> <p>330422</p> <p>Office of Technical Services</p>
---	---

Chemical Reactions of Gases With Solid Bodies in
a Fluidized Bed, by A. L. Rozental', 9 pp.

RUSIAN, per, Kinetika i Kataliz, Vol II, No 6,
1961, pp 838-846.

CB

Sci
Sep 62

210,450

Oxidation-Reduction Kinetics of Hydrogen, Oxygen,
and a Stoichiometric Oxygen-Hydrogen Mixture at
a Platinum Electrode in Electrolyte Solutions, by
K. I. Rozental', V. I. Veselovskiy, 4 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXV, No 10,
1961, pp 2256-2264.

Cleaver-Hume Press

Sci
Sep 62

210,535

Reaction of Iron Ores With Methane in a Fluidized
Bed, by K. P. Lavrovsky, A. I. Rosental, A. Kh.
Eglit, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXII, No 4,
1957, pp 724-727

Consultants Bureau

Sci - Chemistry
Jul 58

66,614

Conducting Chemical Reactions in a Fluidized Bed,
by K. P. Lavrovskiy, A. L. Rozental.

RUSSIAN, per, Trudy Inst Nefti Ak Nauk SSSR, Vol VIII,
1956, pp 94-99.

ATS RJ-129²

Sci - Chem
Apr 60

114,559

The Kinetics of the Regeneration of Powdered Catalysts, by K. P. Lavrovskiy, A. N. Rozental, 15 pp.

RUSSIAN, no per, Iz Ak Nauk SSSR, Otdel Tekh Nauk, No 6, 1955, pp 140-148.

Sci Tr Center
RT-3951

37,904

Sci - Chemistry, ~~Engineering~~

Aug 1956

The Influence of Temperature Change on the Excitability
of the Heart Muscle of the Frog, by D. N. Maschov, D. L.
Rozenal', 6 pp.

RUSSIAN, bk, Voprosy Tsitologii i Protistologii,
Sbornik Rabot, 1960.

OTS 61-31010
PL-480

Sci

Jun 62

PSX 545

197,673

D. N. Nasonov's Theory of Gradual Excitation, by D. L. Rozental', 14 pp.

RUSSIAN, bk, Voprosy Tsitologii i Protistologii, Sbornik Rabot, 1960.

OTS 61-31019

0

PL-480

Sci

Jun 62

197,670

PST 545

A Possible Electrical Mechanism in the Irradiation
of Muscle Tissue Damage, by D. L. Rozental, 6 pp.

RUSSIAN, per, Fiziol Zhur SSSR imeni I. M. Sechenov,
Vol XLV, No 11, 1959, pp 1348-1352.

Pergamon Press

Sci

May 60

116,954

(DC-3356)

Transmission of Excitation in the Giant Axon of
the Squid, by A. A. Lev, N. N. Nikol'skiy, D. L.
Rozental, Ye. A. Shapiro, 6 pp.

RUSSIAN, per, Tsitologiya, Vol I, No 6, 1959,
pp 665-671.

JPRS 3628

Sci - Med

Aug 60

122,901

The Relation of the Sorption of a Vital Dye by the
Spinal Ganglia of the Frog and the Functional State
of these Tissues, by A. A. Lev, D. L. Rozental,
9 pp.

Russian.
~~Full Translation of Soviet Periodical Biofis~~, Vol
III, No 4, 1958., 421-424.

Pergamon Inst¹

Sci - Biol

Apr 59

86,046

NEW DATA ON CHANGES IN THE CELL SUBSTANCE FROM
HEART AND EXCITATION, BY O. L. ROZENTAL,
A. S. YERKHIN, 13 PP.

RUSSIAN, PER, VITTOLOGIYA, VOL. V, NO. 4, PP. 365-378.

JPRS 2194

SCI-BIOL & MED SCI
NOV 63

210, 210

(FOUO 25892)

More on the Measurement of the Excitability of
Conducting Tissues, by D. N. Masonov, D. L.
Rozenal', 24 pp.

RUSSIAN, bimo per, Fiziol Zhur SSSR, Vol. XLI,
No 1, Moscow/Leningrad, Jan/Feb 1955, pp 121-131.

CIA/FOUO/U-7766

USSR

Sci - Medicine, neurophysiology

Jan 56 CTS/DEX

31, 339

S-5229

(NY-2637).

The Relationship of Stimulus Intensity to the Magnitude of the Local Electrical Response in the single Giant Axon of the Squid, by A. A. Lev, H. N. Nikol'skiy, D. L. Rosental', Ye. A. Shapiro, 16 pp.

RUSSIAN, per, Tsitologiya, Vol I, No 1, 1959, pp 94-104.

JPRS-1802-H

94,301

Sci - Med, Cytology
Aug 59

NEWLY DEVELOPED ELECTRIC LIGHTING FIXTURES,
BY E. S. ROZENTAL', ~~RXRRX~~ 5 PP.

RUSSIAN, PER, SVETOTEKHNKA, NO 11, NOV
1962, PP 28-30.

JPRS 17094

USSR
ECON
JAN 63

219,298

The Origin of High-energy Cosmic-ray Muons and
Photons and the Hyperon Hypothesis, by
Yu.P. Kotov, I.I. Rozental, 5p.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol VIII,
no 11, 1962, pp 1411-1418.

Amer Inst of Phys
Sov Phys-JETP
Vol VII, no 11

Sci

Apr 63

233, 319

The Two-Center Model and the Hydrodynamical Theory
of the Multiple Production of Particles, by A. A.
Emel'yanov, I. L. Rozental', 3 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXXVIII,
No 1, 1960, pp 194-197.

Amer Inst of Phys
Sov Phys - JETP
Vol XI, No 1

Sci
Aug 60

122,165

The Nature of Narrow Atmospheric Showers, by S. A. Kuchan^d, I. L. Rosental. UNCL

RUSSIAN, per, Dok Ak Nauk SSSR, Vol IX, No 9, 1948, pp 1523-1526.

DSIR Landing Library Unit M. 185

Sci - ~~Atmospheric~~ Phys
Apr 59

85,862

Determination of the Energy of Fast Particles
From the Angular Distribution of their Reaction
Products, by A. I. Nikishov, I. L. Rozental';
3 pp.

RUSSIAN, par, Zhur Eksp'er i Teoret Fiz, Vol XXIV,
No 1(7), 1958, pp 165-169.

Amer Inst of Phys
Sov Phys-JHEP
Vol VIII(35), No 1

Sci - Phys

82,151

Feb 59

Hydrodynamical Interpretation of One Characteristic
of Large Showers Recorded in Photographic Emulsions,
by G. A. Milekhin, I. L. Rozental', 2 pp.

RUSSIAN, per, ⁴Zhur Eksper i Teoret Fiz, Vol XXXIII,
No 1, 1957, pp 197-199.

Amer Inst of Phys
Sov Phys-JETP
Vol VI, No 1

Sci - Physics
May 58

62,791

Some Problems Related to the Statistical Theory
of Multiple Production of Particles, by V. M.
Maksimenko, I. L. Rozental', 6 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol XXXIX,
No 21, Nov-1957, pp 658-666.

7

Amer Inst of Phys
Sov Phys-JEIP
Vol V, No 4

58,067

Sci - Physics
Jan 58

A Quasi-Undimensional Interpretation of the Hydrodynamic
Theory of Multiple Particle Production, by I. L. Rosental', 8 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz SSSR,
Vol XXXI, Aug 1956, pp 278-288.

Amer Inst Physics
Soviet Physics JNTP
Vol IV, No 2

Sci - Physics

46,065

V
The Fermi Theory of Multiple Particle Production
in Nucleon Encounters, by I. L. Rozental, 4 pp.

RUSSIAN, bino per, Zhur Eksper i Teoret Fiz,
Vol XXVIII, No. 1, 1955, pp 118-120. CIA C 40845

American Inst of Physics
57 East 55 St.
New York 22, N. Y.

Scientific - Physics

31,281

Electronic - Nuclear Showers of Cosmic Rays
and the Nuclear - Cascade Process, by N. G.
Birger, V. I. Veksler, N. A. Dohrotin, G. T.
Zatsepin, L. V. Kurnosova, A. L. Lyubimov,
I. L. Rozental' and L. Kh. Eyfus. m

RUSSEAN, per, Zhur Ekaper i Teoret Fiz, Vol 19,
No 9, 1949, pp 826-850.

Sci Museum Lib No 50/3263 - London

A-787

Cascade Processes in Wide Atmospheric Showers of
Cosmic Rays, by I. L. Rozental, 17 pp.

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz, Vol XXIII,
No 4, 1953, pp 440-455.

Sci Museum Lib No 54/0697

Scientific - Nuclear Physics

May 54 CTS

14,114

Fluctuations During Collision of High Energy
Particles, by M. I. Podgoretskiy, I. L. Rozental,
D. S. Chernavskiy, 6 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol
XXIX, No 3, 1955, pp 296-303.

American Inst of Physics
Soviet Physics, Vol II, No 2

Sci - Physics
Feb 57 CRS

43,809

Wide Showers of Cosmic Rays, by N. A. Dobrotin,
G. T. Zatsepin, I. L. Rozental', ~~and~~
L. I. Sarycheva, G. B. Kristiansen, L. Kh.
Eyus, 37 pp

RUSSIAN, per, Uspekhi Fiz Nauk, Vol XLIX, No 2,
Feb 1953, pp 185-242.

14,428

USSR
Scientific - Astronomy

~~USSR~~
~~US OFFICIALS ONLY~~
CIA/FDD/Z-107
US OFFICIALS ONLY

Passage of High Energy Neutrons through Matter, I.
L. Kuznetsov and V. N. Strizhnev, 5 pp.

RUSSIAN, *Fiz. Zhur Eksper i Teoret Fiz*, Vol XLIV,
No 6(12), 1959, pp 1440-1446.

Amer Inst of Phys
Sov Phys - JETP
Vol VIII(35), No 6

Sci - Phys

Jun 59

89,675

NEZLIN, M. V.
ROZENTAL', I. L.
~~SLAVATINSKIY, S. A.~~

Narrow Atmospheric Showers of Cosmic Ray Particles,

RUSSIAN, Dok Ak Nauk SSSR, Vol LXV, No 5, 1949,
pp 641 - 644.

AEC Tr 471

Sci Mus Lib 50/2311

June 1951 CTS

A-8451

Effect of Starvation on Conditioned Reflexes,
by I. S. Rozental,
RUSSIAN, per, Arkhiv Biologii Nauk, Vol 21, 1962,
pp 151-158
HLL RDS 3560
(ON LCAF OR PURCHASE)

I. S. Rozental

Sci - Biochem
May 67

325,877

Investigation of the Mechanism of Oxygen Evolution
at a Silver Electrode Using the Oxygen Isotope
 ^{18}O , by K. I. Rozental', V. I. Veselovskiy,
~~pp/2670/2675/~~ 3 pp.

RUSSIAN, per, Zhur Fiz Khim, No 12, 1961,
pp 2670-2675.

Cleaver-Hume Press

Sci

Oct 62

214,459

Oxidation-reduction Kinetics of Hydrogen, Oxygen, and
a Stoichiometric Oxygen-hydrogen Mixture at a Gold Electrode
in Normal Sulphuric Acid, by K. I. Rozental,
V. I. Veselovskiy, 3 pp.

RUSSIAN, per, Zhur Fiz Khim, No 11, 1961, pp 2481-
2486.

Cleaver-Hume Press

Sci

Aug 62

213,702

Study of the Kinetics of Electrode Reactions
by Means of Alternating Currents. Part 2.
Discharge of Mercury Ions. Formation of an
Adsorption Layer of Chlorine and Oxygen on a
Mercury Electrode. Formation of Mercury Oxide,
by K. Rozental, B. Ershler,

RUSSIAN, per, Zhur Fiz Khim, Vol XXII, No 11,
1948, pp 1344-1359.

Assoc. Tech. Svc
~~Sci. Tech. Center~~
RJ-141

18,791

Scientific - Chemistry

Study of the Aetiology of Measles-I. Isolation
of Measles Virus by direct infection of Fertile
Eggs, by K. M. Rozental, L. P. Kopytovskaya,
5 pp.

RUSSIAN, per, Vopr Virusol, Vol V, No 5, 1960,
pp 572-577.

PP

165,058

Sci
Aug 61

Rozental, K. I. and Veselovskii, V. I.
STUDY OF THE MECHANISM AND THE KINETICS
OF THE REACTION OF ELECTROCHEMICAL
OXIDATION BY THE METHOD OF ANODIC POLAR-
OGRAPHY ON THE PLATINUM ELECTRODE. [1962]
13p. (11 figs. omitted) 10 refs.
Order from OTS or SLA \$1.60

62-16539

Trans. of Zhurnal Fizicheskoi Khimii (USSR) 1953,
v. 27, no. 8, p. 1163-1171.

DESCRIPTORS: *Electrochemistry, *Platinum
electrodes, Oxidation, *Polarographic analysis,
Reaction kinetics.

There is developed a new method for taking anodic
polarograms on the rotating platinum microelectrode
which enables its employment for analytical purposes
and for studying the mechanism of complicated
(Chemistry--Physical, TT, v. 8, no. 10) (over)

62-16539

I. Rozental, K. I.
II. Veselovskii, V. I.

0226265

Office of Technical Services

Application of Polarization by Alternating Current
to the Investigation of Discharge of Metallic Ions,
by B. V. Ershler, K. I. Rozental,

RUSSIAN, per, Trudy Soveshchaniya Elektrokhim Akad Nauk
SSSR, Otdel Khim Nauk, 1953, pp 446-450.

EX Assoc Tech Sv NJ-454.

Sci - Electricity 36, 965 \$8.05

Aug 1956

PG Box 271, East Orange, N. J

A Study of the Properdin System. Rpt I. A Simplified
Method of Estimation of Properdin, by K. M. Rozental,
G. B. Savel'vol'f,

RUSSIAN, PER, Byul Eksper Biol i Med, Vol XLVIII,
No 11, 1959, pp 122-.

CB

Sci -
Jul 60

120,967

TT-65-13915

Field 14E

Rozental, L. V.
LAWS OF THE PLASTICIZATION PROCESS OF
CELLULOSE TRIACETATE SUPPORT. 17p, 9refs.
Order from SLA: \$1.60 as TT-65-13915

Trans. of Tekhnika Kino i Televideniya (USSR)
v8 n10 p53-8 1964.

MR 668

Plasticizing Action of Compounds which Dissolve
Cellulose Triacetate, by L. V. Rozental,
F. G. Zhurina, 7 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIV, No 11, 1962
2496-2503 pp.

CB

Sci
Oct 63

242,056

Lacquer Coatings Based on Colloidal Dispersions
of Carbon Black in Cellulose Acetate Fthalate
Esters, by L. V. Rozental, G. I. Burdygina, 5 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXIII, No 9,
1959, pp 2080-2083.

CB

Sci

Aug 60

124,236

(NY-4400/11)

Several Trends in Contemporary Bourgeois Aesthetics,
by G. Kursanov, M. Rozenal', 13 pp.

RUSSIAN, per, Kommunist, No 3, Feb 1961, pp 99-108.

JPRS 8380

USSR

Pol

Jul 61

157,021

Conditions for the Most Efficient Magnetic
Reversal in Cores With a Square Hysteresis Loop
Within an Assigned Time Interval, by Yu. D. Rozental'
8 pp.

RUSSIAN, per, Avtomat i Telemekh, Vol XXXIV, No 11,
1963, pp 1565-1572.

ISA

Sci
May 64

259,665

(DC-3000/36)

Kazakhstan Coal Balance, by Yu. M. Rozental,
G. Ye. Khrapkov, 9 pp.

RUSSIAN, per, Iz Ak Nauk KaSSR, Ser Ekon,
Filosofii i Prava, No 2 (13), 1960, pp 32-37.

JPRS 7982

USSR

Econ

Apr 61

147,806

The Development of Ferrous Metallurgy in China,
by A. B. Rozentreyter, 3 pp.

RUSSIAN, per, Metallurg, No 10, 1959,
pp 32-35.

Acta Metallurgica

Sci

Apr 61

144, 453

~~On the Theory of Steam-Jet Vacuum Pumps, by I. M. Lifshits, L. N. Rozentsveig, 3 pp.~~

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXV, No 7, 1955, pp 1323-1325.

AEC Tr 2708

SLA R-1408

May 58

63,169

Scattering of Electrons by Protons, by A. I. Akhiezer, L. E. Rozentsveig, I. M. Shmashkevich, 6 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol ³ 3, No 3 (9), 1957, pp. 765-772.

Amer Inst of Phys
Sov Phys-JETP
Vol 6(33), No 3

Sci - Phys

Jun 58

65,159

Bremsstrahlung of Polarized Electrons, by G. L.
Visotskiy, A. A. Kresnin, L. N. Rozentsveig, 4 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol XXXII,
No 5, 1957, pp 1078-1082.

Amer Inst of Phys
Sov Phys-JETP
Vol V, No 5

Sci - Phys

59,471

Mar 58

(NY-1259)

Chairs of Experimental, Theoretical, and General
Physics of the Physicomathematical Faculty (1930-
1955), by B. I. Verkin, A. S. Mil'ner, L. N.
Rozentsveyg, Ya. B. Faynberg, V. I. Khotkevich,
I. N. Saklyarevskiy, 8 pp. UNCLASSIFIED

RUSSIAN, irreg per, Uchenyye Zapiski, Vol LX,
Trudy Fizicheskogo Otdeleniya Fiziko-Matematicheskogo
Fakul'teta, Vol V, Khar'kov, 1955, pp 69-75.

NY-361
US JPRS/100000

Sci - Physics
Apr 58

62,295

Effect of Sulphur on an Iron Electrode in Alkaline Solution, by S. A. Rozentsveig, Z. V. Shcherbakova, 3 pp.

RUSSIAN, per, Zhur Fiz Khim, No 11, 1961, pp 2547-2552.

Cleaver-Hume Press

Sci

Aug 62

213,695

The Electrochemical Properties of Cadmium in Alkaline Solutions, by S. A. Rozentsveyg.

RUSSIAN, PER, Trudy Sovetskoye Akad Nauk SSSR, Otdel Khim Nauk, 1953, pp 571-578.

Assoc Tech Sv RJ-455

36,966 \$10.85

PO Box 271, East Orange, N. J

Sci - Electricity, Chemistry
Aug 1956

CIA D 9015118

CERTAIN QUESTIONS IN A THEORY OF TRANSLATION ASSOCIATED WITH THE OVERALL PROBLEM OF AUTOMATING INFORMATION PROCESSES, BY E. I. REZIN, Y. YU. ROZDOLNITSKY, 22 PP.

RUSSIAN FED. NAUCHI TECH INFORMAT, NO 9, 1983, PP 32-37.

JPRS 22419

SCI-MATH & DATA PROCESSING
JAN 64

275,106

Certain Linguistic Problems in Machine Translation,
by T. N. Moloshnaya, V. A. Purto, I. I. Revzin,
V. Yu. Rozentsveyg, 12 pp. UNCLASSIFIED

^{bimo}
RUSSIAN, ~~PER~~, Voprosy Yazykozheniya, No 1, 1957,
Moscow, pp 107-113.

US JPRS/DC-68

(DC-1501) (DC-1750)

Sci - Engineering
Apr 58

61,188

Crystallization of Pyrite from Gels of Complex
Composition, by A. O. Rozentsvit, G. Yu.
Epshteyn, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Earth Science
Sections, Vol CL, No 1-6, May, Jun 1963.

Amer Geol Inst

X Sci
Jul 65

Hydrothermal Argillization of Rocks in Eastern
Transbaikalia, by A. O. Rozentsvit, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXX, No 3,
1962, pp 599-602.

AGI

Sci

May 61

153, 148

Hydrothermal Metasomatism of Proterozoic Rocks
in the Olekma-Vitim Highlands, by A. O.
Rozentsvit, 13 pp

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geol, No 5,
1959, pp 74-80

AGU

Sol
Feb 61

138,429

The Alkaline Phosphatase Content of the Blood in
Women During Pregnancy, Labour and the Puerperium
During the Polar Winter, by E. B. Rozental.

RUSSIAN, per, Soviet Med, No 7, 1960, pp 119-123.

MLL RTS 1941

Sci - Med

188, 935

Mar 62

The Absolute Stability of Nonlinear Systems
By E. N. Rozenvasser, pp. 9

RUSSIAN, per, Avtomat i Telemekh, Vol XYIV,
No 3, 1963, pp. 304 - 313

ISA

Sci

240-889

Oct 63

On the Exact Determination of Oscillations in Piece-
wise-Linear Continuous Systems
By E. N. Rozenvasser, p. 7 *30*.

RUSSIAN, per, Avtomat i Telemekh, Vol XXIII, No 11,
1962, pp. 1414 - 1420

ISA

Sci

Aug 63

342,453

The Theory of Piecewise-Linear Systems with Periodically Varying Parameters, by E. N. Rozenvasser, 6 pp.

RUSSIAN, per, Avtomat i Telemekh, Vol XXIII, No 1, 1962, pp 122-127

ISA

Sci

Aug 62

213,266

On the Accurate Determination of Periodic Regimes in
Sectionally Linear Automatic Control Systems, by
E. N. Rozenvasser, 9 pp.

RUSSIAN, par, Avtomat i Telemekh, Vol XXI, No. 9, 1960,
pp 1279-1292.

ISA

Sci

Jun 61

158,550

Remark on a Method of Constructing Liapunov
Functions, by E. N. Rozenvasser, 6 pp.

RUSSIAN, per, Prik Matemat i Mekh, Vol XXIV, No 4,
1960, pp 746-749.

PP

Sci

Jun 61

158, 184

Stability of Nonlinear Controlled Systems, by E.
H. Rozenvasser, 6 p.

RUSSIAN, per, Avtomat i Telemekh, Vol XX, No 6,
1960, pp 702-707.

Instru Soc of Amer

Sci

Apr 60

112, 549

On the Stability of Nonlinear Control
Systems, by E. N. Rozenasser, $\frac{1}{2}$ pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol,
CXVII, No 4, 1957, pp 582---585.

Consultants Bureau

Sci - Physics

also by *ATIC F-TS-95-25/v

Oct 58

74, 387

On the Stability of Nonlinear Control Systems
Described by Fifth and Sixth Order Differential
Equations, by E. N. Rozenwasser, 12 p.

RUSSIAN, per, Avtomat i Telemekh, Vol XIX, No 2,
1958, pp 101-113.

Instru Soc of Amer

Sci

Apr 60

111,747

Compounds Containing a Three-Membered Oxide Ring.
II. The Reaction of Ethyl- β , β' -dimethylglycidate
With Hydrogen Sulfide, by V. F. Martynov, H. A.
Rozepina, 4 pp. UNCLASSIFIED

RUSSIAN. No per, Zhur Obshch Khim, No 9, 1952,
pp 1577-1579.

Consultants Bureau

Scientific - Chemistry

CTS/DEX

17,000

On Forced Oscillations and Stability of Quasi-
Harmonic Systems, by E. N. Rozenwasser, 14 pp.

RUSSIAN, per. Prik Matemat i Mekh, Vol XV, No 2,
1961, pp ~~284-293~~.

PP

172,954

Sci

Oct 61

On Reducing the Equation of a Nonlinear Control
System to the Simplest Form, by E. H.
Rozenyasser.

RUSSIAN, per, Avtomat i Telemekh, Vol XXI, No 1,
1960, pp 15-19.

Internatl Phys Index
Automation Express
Vol II, No 8

Sci - Phys

Jun 60

120,205

Rozenvasser, Ye. N.
 A REMARK ON ONE CONSTRUCTION METHOD OF
 THE LIAPUNOV FUNCTION. [1961] 8p. 7 refs.
 Order from OTS or SLA \$1. 10 61-10750

Trans. of *Prikladnaya Matematika i Mekhanika (USSR)
 1960, v. 24, no. 4, p. 746-749.

DESCRIPTORS: Applied mathematics, Functions,
 *Control systems.

Given the vector differential equation $\dot{x} = Bx + Hf(\sigma)$
 where $\sigma = L'x$ and x is a vector, B is an $n \times n$ matrix,
 H is an $n \times 1$ matrix, L' is a $1 \times n$ matrix, and σ and
 $f(\sigma)$ are scalars, it is shown that (1) if the control is
 subject only to the restriction that $\sigma f(\sigma) > 0$ there does
 not in general exist a Liapunov function of the form
 $V = 1/2 x' M x + \int_0^\sigma f(\sigma) d\sigma$ that will guarantee asymptotic
 stability even though the controlled plant is asymptoti-
 cally stable, and (2) if the control is subject to the re-
 striction $c_1 \sigma^2 < \sigma f(\sigma) < c_2 \sigma^2$ conditions sufficient for
 (Mathematics, TT, v. 6, no. 1) (over)

61-10750

1. Title: Liapunov's function
 1. Rozenvasser, Ye. N.

Office of Technical Services

Methods of Constructing a Lyapunov Function
in the Theory of Nonlinear Control Systems,
by A. I. Lur'ye, Ye. N. Rozenvasser, 22 pp.

RUSSIAN, ~~HEX~~ Proceedings of the First
International Congress of the International
Federation on Automatic Control, 27 Jun-
7 Jul 1960. 9678103

FTD-TT-62-712

211,091

Sci - Phys
Sep 62

The 1959 Budget, by Rozes, Michaudet, 7 pp.

FRENCH, per, PTT de France Revue des,
January-Feb 1959, pp 2-6.

UBASIA: SC-375/60

HNK
WEur - France
Econ
Oct 61

170
~~170~~, 662

Some Questions Connected with the Theory of Combustion of Coal, by V. I. Klimov, T. A. Rozet,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXVIII, No 3, 1949, pp 521-524.

ASLIB-6882

Sci

Aug 59

95, 3 30

On the Multiple Excitation of Atoms, by K. I.
Rozgachev, V. A. Fabrikant, 2 pp.

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CXIV,
No 3, 1957, pp 528-529.

Amer Inst of Phys
Sov Phys, "Doklady"
Vol II, No 3

Sci - Phys

59,571

Mar 58

(FDD 24773)

Ferroelectric Properties of Solid Solutions in the
Barium Titanate-Strontium Titanate System, by
G. A. Smolenskiy, K. I. Rozgachev, 19 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XXIV, No 10,
Moscow, Oct 1954, pp 1751-1760.

CIA/FDD/U-7062

USSR
Sci - Physics
CIS 69/Jun 55

26,202

Ferroelectric Properties of Some Solid Solutions,
G. A. Smolenskii, M. A. Karamyshev, and K. S.
Rozgachev.

Full translation.

RUSSIAN, thraée-mo per. Dok Ak Nauk SSSR, Vol
LXXIX, No 1, USSR, 1951, pp 53-56.

AEC Tr 1156

Scientific - Physics

Mar 52 CTS

A4859