

Akhiezer, N. I. and Krein, M.
SOME QUESTIONS IN THE THEORY OF MOMENTS,
tr. by W. Fleming. 1962, 265p.
Order from American Mathematical Society, 190 Hope
St., Providence, 6, R. I. \$6.10

Trans. of mono. [O Nekotorykh Voprosakh Teorii
Momentov, Kharkov, 1938, 255p.].

DESCRIPTORS: *Functional analysis.

(Mathematics, TT, v. 9, no. 12)

63-17256

1. Title: Moment spaces
2. Title: Theory of moments
- I. Akhiezer, N. I.
- II. American Mathematical
Society, Providence, R. I.

0049271

Office of Technical Services

Concerning Precision Methods in Linguistic
Research, by O. S. Akhmanova.

RUSSIAN, bk, 1961, 164 pp.

RAND corp RM-2997-PR

Sci-Misc, Philology
Jan 63

214.478

Miracle of Our Time -- Cybernetics and Problems of Development,
by B. V. Arshinovskiy, N. I. Khoshkova, 128 pp.
RUSSIAN, M. Chudo Nostalgia Vremeni, Kibernetika i Problemy
Razvitiya, Leningrad, 5 Jan 1963, pp 1-142.
(Table of Contents)

JPRS 23132

Sci-Misc
Feb 64

249, 436

36
Theory of Transformation and Scattering of
Electromagnetic Waves in Noncollinear Plasma.
by I. A. Abrikosov, E. A. Ginzburg, et al. 12 pp.
RUSSIAN, Sov. Zhur. Eksp. i Teoret. Fiz., Vol. XLVI,
1964, pp. 376-388.
AEC-ORNL-Tr-142

Sci-Fiction
Dec 64

200,946

On Perturbances of Hyperbolic Elements,
by Kh. El. Akhmed.
RUSSIAN, per, Vest Moskov Univ Seriya II, Fiz
i Astron, No 3, 1964, pp 15-27.
NASA TT F-8743

Sci-Eng Sci & Astron
Oct 64
U.S. GOVERNMENT ONLY

267,346

Analytical Methods of Determining the Particulations of
Hyperbolic Elements, by Kh. Kh. Akhmed.
RUSSIAN, per. Vost. Moskov Univ. Seriya Fiz. i Astron.,
No 5, 1964, pp 15-17.
NASA TT F-6611

Sci-Phys
Feb 63
U.S. GOVERNMENT ONLY

274,389

Distortion of Unmodulated Electromagnetic Waves
in Nonlinear Dispersing Media. Generation of
Optical Harmonics, by B. A. Akhmanov and R. V.
Khokhlov, 45 pp.

128
RUSSIAN, in, Problemy Nelineynoy Optiki
(Elektromagnitnyye Volny v Nelineynykh Sredakh;
Sovetskoye Radio, 1962-63, pp. 145-196.
JPRS 34231

B.A. Akhmanov.

USSR
Sci-Phys
Mar 66

295,933

Modernization of Lead Production Equipment
and Growth in Labor Productivity, by K. T. Akhmetov,
P. A. Donchenko, 7 pp.

RUSSIAN, per, Sovet Metal, Vol IV, No 7,
1963, pp 11-18.

Primary Sources

Sci
Jan 65

270,384

R-900

(NY-3000/2)-.

Some Problems in the Development of the Chemical
Industry of Kazakhstan, by K. T. Akhmetov, 10 pp.

RUSSIAN, per, Khim Prom, No 1, 1979, pp 24-28.

JPRS-1839-N

USSR

Econ - Technological - Industry

Aug 79

94,654

Electrode Potentials of Zinc Monocrystals in Aqueous
Solutions, by N. S. Akhmetov, G. S. Vozdvizhensky,
6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXIX, No 8,
Aug 1956, pp 1196-1202.

Consultants Bureau

Sci - Chem
Jul 57

49,766

(FDD 23036)

Protection of State Secrets - The Duty of Soviet
Citizens, by Kh. M. Akhmetshin, 46 pp.

RUSSIAN, bk, Okhrana Gosudarstvennoy Tayny -
Dolg Sovetskikh Grazhdan, Moscow, 1954.

CIA/FDD Tr 384

USSR

Pol - State security

CTS 66/Mar 55

23,039

Catalytic Oxidation of Cyclohexanol, by N. Izlov, 41
L. Akhmetshina.
RUSSIAN, per. Dok Ak Nauk SSSR, Vol 85, No 1, 1952,
pp 91-93.
AFS RI-5069

L. AKHMETSHINA

Sci-Chem
July 69

385,478

Catalytic Amination of Organic Compounds. II.
Catalytic Amination of Phenols, by N. S. Kozlov,
L. F. Akhmetshina, 4 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XIV, No 3,
USSR, Mar 1955, pp 485-488. CIA C 39388

Consultants Bureau

Scientific - Chemistry
CTS 74/Nov 55

27, 967

Catalytic Amination of Organic Compounds, III.
The Catalytic Amination of Ethers and Esters
of Phenol by N. S. Kozlov and L. F. Alkhmetshina,
4 pp.

Full tr

RUSSIAN, no per, Zhur Gashch Khim, Vol XXVI, No 3,
1956, p 709-711.

Consultants Bureau

Sci - Chemistry
Jan 57 CTS

42,500

84
Employment of the Photoelastic Coatings
Method to Determine Stresses and Deformations in Flexible Plates and Shells,
by M. Kh. Akhmetzyanov, 7 pp.
RUSSIAN, per, Izvestiya Akad Nauk SSSR,
Mekhanika i Mashinostroyeniye, No 1,
1964, pp 199-201.
FTD-TT-64-1088

M. Kh. Akhmetzyanov

Sci-Page
July 65

284,5H1

Influence of the Chemical Composition of Hydrolytic Lignin on the Physical and Mechanical Properties and Structure of Granulated Carbons by S. I. Sukhanovskii and E. I. Akhmiza, 6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXV, No 12, 1962, pp 2754-2759.

CB

Sci
Nov 63

243, 294

The Effect of Hypophysectomy on the Reactions of
Animals to Diphtheria Toxin, by V. D. Alkhazanova,
5 pp.

RUSSIAN, per, Byul Ekaper Biol i Medit, Vol LXX,
No 9, 1961, pp 32-36.

CB

Sci

202,763

The Role of the Hypophysis in the Mechanism of
Development of Structural Tissue Lesions in
Diphtheric Intoxication, by V. D. Akhmetova,
4 pp.

RUSSIAN, per, Zhur Mikrobiol Epidemiol i
Immunobiol, Vol XX, No 1, 1959, pp 102-105

Pergamon Press

Sci

101, 775

Dec 59

Congress Speech, by Akhoundov.

RUSSIAN, np, Pravda, 21 Oct 1961.

FBIS Wire

USSR

Pol

3 Nov 61

(DC-1002)
The State System of Afghanistan, by I. Aleksandrov,
R. Akhramovich, 4 pp. UNCL

RUSSIAN, monograph, Gosudarstvennyy Stroy
Afghanistana, Moscow, 1956, pp 1-64.

JPRS/DC-L-909

EE/A -Economic Afghanistan
Pol, Econ
Apr 59

84,855

Determination of Thermodynamic Properties of
Solutions of Mineral Salts During Evaporation
and Crystallization, by G. I. Voinilovich,
L. K. Akhrap, L. S. Mai.

RUSSIAN, no per, Zhur Prikl Khim, Vol VIII, No 4,
1935, pp 589-597.

INSDOC T. 760

29,467

Scientific - Chemistry
Indian Natl Sci Doc Center, Natl Physical Lab
of India, Hillside Rd, New Delhi, 12.

Closure of the Channel of the Angara River
in the Area of the Bratsk Hydroelectric Plant,
by S. K. ~~Rika~~ Akhrap, Yu. A. Fishman.

RUSSIAN, per, Gid Stroitel, No 11, 1959, pp 11-16.

Dept of Interior
US Bur of Reclamation
Tech Lib, Denver, Col

TC 833 AB 58 No 117

SLA: 60-23539

USSR
Geog
Sci - Geoph
Nov 60

131,246

62-25674

Akhrem, A. A. and Kuznetsova, A. I.
THE EMPLOYMENT OF THIN-LAYER CHROMA-
TOGRAPHY. [1962] 17p. 11 refs.
Order from OTS or SLA \$1.10

62-25674

Trans. of Akademiya Nauk SSSR. Doklady, 1961,
v. 138, no. 3, p. 591-594.

DESCRIPTORS: *Steroids. Separation. *Chromato-
graphic analysis. Sulfuric acid.

The examination of separation of epimeric steroid oxides
are cited.

(Chemistry--Analytical, TT, v. 8, no. 8)

I. Akhrem, A. A.
II. Kuznetsova, A. I.
III. Translations, New York

C223358

Effect of α -Hydroxy and α -Acetoxy Groups on the
Character of the Reaction of Hypobromous Acid With
Carbon -- Carbon Multiple Bonds. Communication 1.
Cases of an Anomalous Course in the Favorskiy
Reaction, by A. A. Akhrem, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 4, 1960, pp 693-702.

CB

Sci

May 62

194,453

Thin Layer Chromatography, by A. A. Akhrem, A. I.
Kuznetsova.

RUSSIAN, bk,.

*CB

Sci-Earth Sci & Astron
Jan 64

Raman-Spectrum Investigation of Some Acetylenic
Alcohols and Their Acetic Esters, by M. I. Baturov,
A. A. Akhrem, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 12, 1960, pp 2201-2207.

CB

Sci

May 62

194,504

Stereochemistry of Nucleophilic Addition Reactions to
the Carbonyl Group of Cyclic Esters, by A. V.
Kamarnitskiy, A. A. Akhrem, 18 pp.

RUSSIAN, per, Uspekhi Khim, No 2, 1961, pp 162-183.

Cleaver-Hume Press

Sci
May 62

194,719

Heterocyclic Analogs of Corticosteroids, Communication
1. Syntheses Based on Octahydro-1,2-dimethyl-4(1H)-
quinolone, by A. A. Akhrem, L. I. Ukhova, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 2, 1962, pp 304-309.

Consultants Bureau

Sci
Dec 62

218,185

Raman-Spectrum Investigation of the Conformations of
Cis and Trans Methyl 1-Hydroxy-3-Methylcyclohexane-
carboxylates, by M. I. Batuyev, A. A. Alekham, A. V.
Kamernitskiy, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 3,
1959, pp 556-558.

CB

Sci -
May 61

153, 240

Stereochemistry of Reactions of Nucleophilic Addition
at the Carbonyl Group of 3-Methylcyclohexanone, by
A. A. Akhrem, A. V. Kamarnitskiy, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 4,
1959, pp 748, 749.

CH

Sci -
May 61

152, 753

Oxidation of 2-Methyl-1-(1'-Acetoxyethylidene)-
Cyclohexane With Osmium Tetroxide and Peracetic Acid,
by A. A. Akhrem, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 4,
1959, pp 750-752.

(C)

Sci -
May 61

152, 754

Effect of the Medium on the Stereochemistry of Nucleophilic Addition at the Carbonyl Group, by A. V. Amernitskiy, A. A. Alvarez, 3 pp.

USSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 4, 1959, pp 740-741.

CB

ii.
by 61

152,751

Simpler Analogs for Corticosteroids. I.
Stereochemistry of Cyanohydrin and Acetylenic
Synthesis. Configuration of 1-Cyano- and 1-
Ethylnyl-2-methylcyclo-hexanois, by I. N. Nazarov,
A. V. Kamernitskiy, A. A. Akhrem, 9 pp.

RUSSIAN, per, Zhur Obshchei Khim, Vol XXVIII,
No 6, 1958, pp 1458-1468.

Consultants Bureau

Sci - Chem
Sep 59

95,759

The Simplest Analogs of Corticosteroids. II. In re-
~~duction~~ duction of Dihydroxycarboxylic, Glyceryl and
Hydroxylacetone Side Chains Into o-Ethylcyclohexanone
and the Stereochemistry of the Compounds Formed
Thereby, by I. N. Nazarov, A. A. Akhrem, A. V.
Kamernitskiy, ¹³ pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 7,
1958, pp 1791-1804.

Consultants Bur

Sci - Chem
Sep 59

96,857

A Study in the Field of Stereochemistry of Cyclic Compounds. XXVIII Steric Directivity of the Serini Reaction in the Cyclohexane Series, by I. N. Nazarov, A. A. Akhram, A. V. Kamernitskiy, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 7, 1958, pp 1805-1810.

Consultants Bur

Sci - Chem
Sep 59

96,858

⑧
Preparative Method of the Synthesis of Cyanohydrins,
by I. N. Nazarov, A. A. Akhrem, A. V. Kamernitsky,
6 pp.

Full translation.

RUSSIAN, no per, Zhur Obshch Khim, Vol XIV, No 7,
1955, pp 1345-1350. CIA C 42051

Consultants Bureau

Scientific - Chemistry
May 56 CTS/dex

34,250

The Introduction of Dihydroxycarbonylic, Glycolic, and Hydroxyacetone Side Chains into Orthomethylcyclohexanone and the Stereochemistry of the Resulting Compounds, by I. H. Nazarov, A. A. Akhrem, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 5, 1958, pp 1045-.

Consultants Bureau

Sci - Chem

Jun 59

88,753

Raman Spectrum Investigation of the Confor-
mations of Cis- and Trans-1-acetoxy-2-methyl-
cyclohexanols, M. I. Matuyev, A. A. Akhram, A.
D. Matuyeva, I. N. Nazarov, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 11, 1958, pp 1389-1392.

Consultants Bureau

Sci

Apr 60

112, 196

Introduction of Hydroxyacetone, Glycerol, and
Dihydroxy-Carboxylic Side Chains into cis-
and trans-Decahydronaphthalene Derivatives,
by L. N. Nazarov, G. V. Aleksandrova,
A. A. Alkrem, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1958, pp 634-636.

Consultants Bureau

Sci - Chem

Apr 60

112, 277

Optical Investigation of the Conformations of Acetylcyclohexene and Its Oxide, by M. I. Batuev, A. A. Akhrem, A. D. Matveyeva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXIX, No 5, 1959, pp 1038-1041.

CB

Sci
Oct 60

129,968

Synthesis and Stereochemistry of Corticosteroid
Analogues. Communication 10. Synthesis and
Conversions of 3-Keto-7-Methoxy-1,2,3,9,10,14a-
Hexahydrophenanthrene, by A. A. Akhrem, I. G.
Zavel'skaya, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 9,
1960, pp 1637-1643.

CB

Sci

172, 207

Oct 61

Ⓐ Keto Epoxides, Communication 8, Reactions
of 2.4.5.-Diepoxy-5-Methyl-3-Hexanone, by
I. N. Bazarov, A. A. Akhrem, V. V. Kohnon-
skaya, 10 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, 1957, pp 80-90.

Consultants Bureau

Sci - Chem

May 59

86, 920

(SF-1879)

Concerning the Application of the Idea of A. Ye. Favorskiy and the Reactions Discovered by Him to the Chemistry of Steroid Compounds, by A. A. Aldren,
21 pp.

RUSSIAN, bk, Voprosy Teorii Stroeniya Organicheskikh Soedineniy, 1960, pp 224-240.

JPRS 11959

Sci - Chem

182,590

Feb 62

Derivatives of Acetylene. 132. α -Ketonic Ethers and Their Transformations. III. The Monoether of β,β -Dimethyl Divinyl Ketone. Oxidation of Vinyl Isobutyl Ketone and Ethyl Isobutenyl Ketone with Alkaline Hydrogen Peroxide, by I.N. Nazarov and A.A. Akhrem, 5 pp.

Full Translation.

RUSSIAN, no per, Zhur. Obshch Khim, Vol XXII, No 3, USSR, Mar 1952, pp 442-449.

Consultants Bureau

Scientific - Chemistry

7512

Dec 53 CTB

Transformed Steroids. I. New Reaction of 5a-Hydroxy-
6B-Acetoxy Derivatives of Androstane, by A. A. Akhrem,
I. G. Zavel'skaya, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXII, No 1,
1962, pp 50-57.

CB

Sci

Oct 62

216,143

Optical Investigation of Transformations of
Cis- and Trans-2-Methyl-1-Ethylcyclohexanols,
by M. I. Batuyev, A. A. Akhmed, A. D. Mat-
veyeva, I. N. Nazarov, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXVII,
No 3, 1957, pp 423-426.

Consultants Bureau

Sci - Chem
Oct 58

74, 401

Raman-Spectrum Investigation of the Equatorial and
Axial Carbonyl Groups of Some Substituted Cyclo-
hexanes, by M. I. Batuyev, A. A. Akhrem, A. D.
Matveyeva, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 9,
1959, pp 1665-1667.

CB

Sci -
May 61

152,810

Raman-Spectrum Investigation of the Conformations of
cis- and Trans-1,3-Dimethylcyclohexanols, by M. I.
Batuyev, A. A. Akhrom, A. V. Kamernitskiy, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 9,
1959, pp 1668-1670.

CB

Sci -
May 61

152,811

Synthesis and Stereoisomerism of N-Oxides of
the Decahydroquinoline Series, by A. A. Alkhren,
L. I. Ukhova, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1963, pp 838-843.

CB

Sci
May 64

259,024

Acetylene Derivatives. 167. α -Keto Oxides and their Transformations. IV. The Oxides of 2-Methyl-1, 4-hexadien-3-one, 5-Methoxy-2-methyl-1-hexen-3-one and 1-Methoxy-2-methyl-4-hexen-3-one, by I. N. Nazarov, A. A. Akhrem, I. G. Tishchenko, 14 pp.

RUSSIAN, no per. Zhur Obshch Khim SSSR, Vol XXV, No 4, Apr 1955, pp 708-724. CIA C 39500

Consultants Bureau

Scientific - Chemistry
Nov 55 CTS/DEX

48,584

The Simplest Analogs of Corticosteroids. III.
The Introduction of Dihydroxyacetone, Glycerol
and Dihydroxypropanecarboxylic Acid Side Chains
Into Derivatives of Cis- and Trans-Decalins, by
I. N. Nazarov, G. V. Aleksandrova, A. A. Akhrem,
10 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 8,
1958, pp 2187-2198.

CB

99943

Sci - Chem
Oct 59

Raman-Spectrum Investigation of Some Substituted
Cyclohexanols and Their Acetic Esters, by M. I.
Batusov, A. A. Akhrem, pp 13

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 3, 1960, pp 23

CB

Sci
May 62

195,345

Synthesis and Transformations of Cis- and Trans-
1-ethynyl-1-decalols, by I. M. Mazarov, G. V.
Aleksandrova, A. A. Akhrem, 8 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 2,
1958, pp 2199-2206.

CB

Sci - Chem
Oct 59

99, 944

Acetylene Derivatives. 168. α -Keto Oxides and their Transformations. V. The Oxides of 1, 4-Hexadien-3-one, 5-Methyl-2,5-heptadien-4-one and 2-Methoxy-5-Methyl-5-Hepten-4-one, by I. N. Nazarov, A. A. Akhrem I. G. Tishchenko, 8 pp.

RUSSIAN, no per, Zhur Obshch Khim SSSR, Vol XXV, No 4, Apr 1955, pp 725-733. CIA C 39500

Consultants Bureau

Scientific - Chemistry
Nov 55 CTS/DEX

28,885

The Life and Work of Nikolai Aleksandrovich
Prilezhaev, by A. A. Akhrem, E. H. Prilezhaya,
A. P. Meshcheryakov, 6 pp.,

Full translation.

RUSSIAN, per, Zhur Obshch Khim, Vol XII, No 11,
Nov 1951, pp 1925-1930. CIA D 122341

Consultants Bureau
152 West 42nd Street
New York 18, N.Y.

USSR
Biographic

May 53 CTS

2015

Acetylene Derivatives. 124. α -Ketoxides and Their Transformations. I. The Oxidation of Mesityl Oxide and of 1-Methoxy-5-Methyl-4-Hexen-3-one to the Corresponding α -Ketoxides, I. N. Nazarov, A. A.

Akhrem.

10 PP
RUSSIAN, no pen, Zhur Obshch Khim,
The Journal of General Chemistry of the USSR, Vol XX,
No 12, Dec 1950, pp 2267 - 2277 (Russ p 2163).

pp 2163 -

Consultants Bureau
New York

A-74

USSR

at the Carbonyl Group in Cyclic Ketones.
Communication 5. Stereochemistry of Cyanohydrin
Synthesis with 2-Chlorocyclohexanone, by
A. A. Akhrem, A. V. Kamernitskiy. 6 pp.

RUSSIAN, per. Iz Ak Nauk, Otdel Khim Nauk, No 6,
1962, pp 1050-1056

CB

Sci

233, 717

May 63

Optical Investigation of the Conformations of
Cyclopentanone and α -Chlorocyclopentanone, by
M. I. Batuev, A. A. Akhrem, A. V. Kamernitskiy.
4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 6, 1961, pp 1138-1141

CB

211,406

Sol
Apr 62

~~XXXXXXXXXXXXXXXXXXXX~~

Raman-Spectrum Investigation of the Conformations
of the Cyanohydrins of Some Cyclohexanone Derivatives,
by M. I. Batuyev, A. A. Akhren, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 10, 1961, pp 1813-1815.

CB

Sci

Jul 62

205,417

Application of Thin Layer Chromatography to the ~~Separ~~
Separation of Steroid Compounds, by A. A. Akhren,
A. I. Kuznetsova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 3,
1961, pp 591-594.

CB

Sci

195,196

May 62

Synthesis of Steroid Compounds and Substances Related to Them. XXXIII. The Simpler Analogs of Corticosteroids. 1. Methods of Introducing the Dihydroxyacetone, Glycerol and Dihydroxypropanecarboxylic Side Chains in Cyclic Compounds, by I. N. Nazarov, A. A. Akhrem, 14 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 4, Apr 1956, pp 1186-1200.

Consultants Bureau

Sci - Chemistry
Feb 1957 CTS/dex

43,677

Corticosteroid Analogs. Communication 12.
Differing Stabilities of $\pm$ cis- and Trans-1-
Acetyl-1,2-Cyclohexanediols, by A. M. Moiseenko,
A. A. Akhrem, 6 pp.

RUSSIAN: per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 6, 1963, pp 1064-1069.

CB

Sci
Jun 64

261,342

Stereochemistry of Nucleophilic Addition at a Carbonyl
Group. Reactions of 2-Methylcyclohexanone, by
I. N. Nazarov, A. V. Akhrem, A. V. Kamernitskiy,
3 pp.

RUSSIAN, per, Iz Ak Nauk BSSR, Otdel Khim Nauk,
No 5, 1958, pp 631-632.

Consultants Bureau

Sci - Chem

Apr 60

112,275

5.
Reactions of Tropylium Salts with Substances which
Contain Mobile Hydrogen Atoms, by M. E. Vol'pin,
I. S. Akhrem, D. N. Kursanov, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 4,
1960, pp 1187-1189.

CB

Sci
May 61

154,049

Reaction of Tropylium Salts with Vinyl Ethers
and with ϵ -Chloromercuriacetaldehyde, by
D. E. Karsanov, M. E. Vol'pin, I. S. Akhron,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol xxx CMX,
No 3, 1958, pp 531-534.

Consultants Bureau

Sci - Chem

Jun 59

88,778

Reaction of Tropylium Salts With Aldehydes, by
M. E. Vol'pin, I. S. Akhrem, D. N. Kursanov, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 9,
1959, pp 2855, 2856.

CB

Sci

Sep 60

129,270

Concerning the Acylation of Cupriacetic
Ester, by V. A. Zagorevskiy, I. S. Akhrem, 5 pp.

RUSSIAN, per, Zhur Oshch Khim, Vol XXIX, No 2,
1959, pp 619-24.

Consultants Bureau

Sci

Apr 60

112,364

The Curtius Rearrangement of Isomeric Cyclopentatrienecarboxylic and Norcaradiene-carboxylic Acids, by D.N. Kurzanov, M.E. Vopin, I.S. Akhrem, Y. YA. Kachkurova, 2 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 11, 1957, pp 1371-1378.

Consultants Bureau

Sci - Chem

87,003

May 59

Mechanism of Tropylation, by M. E. Vol'pin,
I. S. Akhrem, 6 pp.

RUSSIAN'per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 5,
1963, pp 802-807.

CB

Sci

May 64

259,206

Effect of Nucleophilicity of the Anion on the
Character of Bonding in Compounds of Tropylium, *by*
M. E. Vol'min, I. S. Alkhimov, D. N. Kuznetsov,
4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 2,
1958, pp 330-332.

Consultants Bureau

Sci - Chem

85,657

Apr 59

The Reaction of Tropilidene Bromide With Phosphorus
Pentachloride, by M. E. Volpin, L. S. Akhrem, D. N.
Kursanov, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 6,
1957, pp 760-761.

Consultants Bureau

Sci - Chem
May 59

88, 058

Investigation of the Velocity of the Water-Current
in Woody Plants, by A. I. Akhromeiko, M. V.
Zhuravleva, 68 pp.

RUSSIAN, bino per, Fiz Rasteniy, Vol IV, No 2,
1957, pp 164-170.

Amer Inst of Biol Sci

56,969

Sci - Biology
Jan 58

New Data on the Role of Mycorrhiza in the
Nutrition of Woody Plants, by A. I. Akhromskii.

RUSSIAN, per, Lesnoye Khoz, Vol XII, No 10,
1960, pp 27-31. 9085131

USDA Tr A-1339

203,274

Sci - Biol

Jun 62

A Study of the Role of Microorganisms in the
Uptake and Release of Phosphorus and Sulfur by
Seedlings of Maple, Oak and Ash, by A. I. Andron-
enko, V. A. Shestakova, 8 pp.

RUSSIAN, par, Mikrobiol., Vol XXVII, No 1, 1958,
pp 67-74.

Amer Inst of Biol Sci

Sci - Biology

80,167

Jan 59

Operational Trial of Monitoring With Gamma-Densimeter Petroleum Products Consecutively Conveyed Through Pipelines, by A. A. Akhromenkov, Yu. S. Zaslavskiy, A. A. Vargin, A. N. Kornilyayev, V. P. Lapin,

RUSSIAN, per bk, Radioaktsionye Metody Kontrolya i Regulirovaniya Proizodstvennykh Protsessov, 1959, pp 86-92.

ASC Tr-4139

154,773

Sci
Jun 61

J-1018/60

(DC-4480).

The Economy of Pakistan, by S. M. Akhtar, 16 pp.

RUSSIAN, bk, Ekonomika Pakistana, 1957, pp 5-15.

JPRS 6063

NE/A - Pakistan
Econ - Development
Oct 60

128,176

Provincial Characteristics of Soils in the Broadleaf
Forrest Subzone of the Central Russian Upland, by
B. P. Akhtyrtsev, p. 12

RUSSIAN, per, Pochvovedeniye, No 1, 1962, pp. 26 -- 40

Scripta Technica

Sci

340, 410

Aug 63

The Evolution of Solods, by B. P. Akhtyrtsey,
B. T. Dzhegeris, 7 pp.

RUSSIAN, per, Pochvovedeniye, No 6, 1960,
pp 71-78.

AIBS

Sci

Apr 61

149,667

~~SECRET~~

Effect of Inert Gas and Hydrogen Ion Bombardment of
the Electron Emission of Pressed Cathodes, by
Ye. T. Kucharenko, Ye. V. Akhtyrakaya, 8 pp.

RUSSIAN, per, Radiotekhnika i Elektronika, No 2, 1963.

IRRM

15

Sci
Dec 63

243,998

Vapour Pressure Curves for Saturated Two-
Component Aqueous Solutions, by L. ~~Atkinson~~ and
H. Spiro.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XXVII, No
2, 1954, pp 269-272.

OSIRO-3144

Sci

Jul 58

68,277

Periodic Systems of Elements and Antielements,
by E. I. Akhumov, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXI,
No 6, 1961, pp 1777-1779.

CB

201,865

Sci

Jun 62

Solubility of Nitrates in Nitric Acid, by B. I.
Akhumov, 3 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol XXVII, No 12,
Dec 1954, pp 1324-1326. CIA C 42155.

Consultants Bureau

Sci - Chemistry

35, 221

Jun 1956/Dex

Apparent Molar Volumes of Salts in Ammonia and
Water Solutions, by E. I. Akhumov, 22 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol X, 1940,
pp 233-246.

SLA R-2471

Sci
Apr 59

84,427

Magnitude of the Losses of Baskunchak Common Salt
When Stored in Heaps, by E. I. Akhmedov, 4 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXX, No 8,
Aug 1957, pp 1246-1249.

Consultants Bureau

Sci - Chem

Oct 58

75,689

63-18044

Akhumov, E. I. and Ezerova, E. A.
ELECTROLYSIS OF SODIUM CHLORIDE IN LIQUID
AMMONIA. III. INVESTIGATION OF SOLUBILITY IN
THE TERNARY SYSTEM $\text{NaCl-NH}_4\text{Cl-NH}_3$. [1963]
[17]p. 20 refs.
Order from OTS or SLA \$1.60

63-18044

Trans. of Zhurnal Obshchei Khimii (USSR) 1936, v. 6,
no. 10, p. 1418-1429.
Another trans. is available from LC or SLA ml\$2.40,
ph\$3.30 as 60-17714, TVA-3717, 13 May 58, 19p.

DESCRIPTORS: *Phase studies, *Electrochemistry,
*Sodium compounds, *Ammonium compounds, Chlo-
rides, *Ammonia, Solubility, Thermodynamics,
Electrolysis, Platinum electrodes.

(Chemistry--Physical, TT, v. 10, no. 6)

I. Akhumov, E. I.
II. Ezerova, E. A.

1344696

Office of Technical Services

TT-64-10727

Akhumov, E. I. and Vasil'ev, B. B.
TECHNOLOGICAL COMPUTATIONS FOR EQUILIB-
RIUM OF SODIUM CHLORIDE AND MAGNESIUM
CHLORIDE IN WATER AT ELEVATED TEMPERA-
TURES. [1963] [32p] 1ref
Order from OTS, SLA, or ETC \$3.60 TT-64-10727

Trans. of Kalii (USSR) 1933, no. 3, p. 19-29.

DESCRIPTORS: *Sodium compounds, *Magnesium com-
pounds, *Chlorides, Chemical equilibrium, *Lakes,
Water, Evaporation.

280520

(Chemistry--Physical, TT, v. 11, no. 10)

Office of Technical Services

Processing of Sea Water in Cold Climatic Conditions,
by E. I. Akhmedov, 8 pp.

Full tr

RUSSIAN, no per, Zhur Prik Khim, Vol XXIX, No 4,
1956, pp 569-576.

Consultants Bureau

41, 631

Sci - Chemistry
Dec 56 CTS

Solubility of Chlorides in Hydrochloric Acid, by
E. I. Akhumov, N. S. Spiro, 6 pp.

Full translation.

RUSSIAN, no per, Zhur Prikl Khim, Vol XXVII, No 11,
1954, 1163-1169. CIA C 41474

Consultants Bureau

Scientific - Chemistry
Apr 56 CTS/dex

32,952

Laws of Solubility Variations. II. Energy
Characteristics of Polythermal Eutonic Points in
Multicomponent Systems, by E. I. Akhmedov, N. S.
Spiro.

RUSSIAN, per, Zhur Obshch Khim, Vol XIX, No 1,
1949, pp 15-20.

Consultants Bureau Translation

Full Tr in Lib

Scientific - Chemistry

12,904

The Patterns of Solubility Change V. Raoult's Law,
by E. I. Akhmedov, N. S. Spiro. 8 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXI, Jan 1951.
CIA D 182336 *pp 51-58*

~~Consultants Bureau Translation~~

Full Tr in Lib

TYA Wilson Dam Chem Eng Sect 2972

Scientific - Chemistry

12,907

The Hygroscopic Point of Table Salt, by
V. P. Ilyinsky, E. I. Akhmedov, A. A. Lifanits,
4 pp.

RUSSIAN, per, Zhur Prik Khim, No 5, May 1953,
pp 549-552.

Consultants Bureau

Scientific - Chemistry

Jan 55 CTS/DEX

20,470

Determination of the Amounts of Common Salt in Heaps,
by E. I. Akhumov, L. A. Bakk, 6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXII, No 6, 1959,
pp 1225-1239.

CB

Sci -
Jul 60

120,998

V
Patterns of Change in Solubility. III. Energy Characteristics of Isotherms in Multicomponent Systems, by E. I. Akhmedov, N. S. Spiro, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XX, No 2, Feb 1950.

TVA Wilson Dam Chem Engi Lib 29 72
Consultants Bureau Translation

Full Tr in Lib

Scientific - Chemistry

12,905

The Moisture Content of Table Salt, by E. I. Akumov,
E. I. Nikolayeva, 4 pp.

Full translation.

RUSSIAN, no per, Zhur Prikl Khim, Vol XXVII,
No 5, 1954, pp 480-484. CIA C 39521

Consultants Bureau

Scientific - Chemistry
Nov 55 CTS/DEX

28,335

Calculating Water Activity Coefficients in
Binary Solutions, by E. I. Akhumov, N. S. Spiro,
4 pp.

RUSSIAN, no per, Zhur Prikl Khim, Vol XXVIII,
No 2, USSR, Feb 1955, pp 205-207. CIA D 151339

D 251170

Consultants Bureau

Scientific - Chemistry

CTB 69/Jun 55

24,623

63-18107

Akhumov, E. I. and Vasil'ev, B. B.
TECHNOLOGICAL CALCULATIONS FOR THE
EQUILIBRIUM OF THE CHLORIDES OF POTASSIUM,
SODIUM AND MAGNESIUM AT HIGH TEMPERA-
TURES. [1963] 12p. (figs. omitted) 3 refs.
Order from OTS or SLA \$1.60 63-18107

Trans. of [Khimicheskaya Promyshlennost'] (USSR)
1931, v. 8, no. 17, p. 17-25.

DESCRIPTORS: *Chlorides, *Potassium compounds,
*Sodium compounds, *Magnesium compounds,
Chemical equilibrium, Solubility, Separation,
Evaporation, Chemical precipitation.

(Chemistry--Physical, TT, v. 10, no. 9)

I. Akhumov, E. I.
II. Vasil'ev, B. B.

Office of Technical Services

Solubility Diagrams of Binary Systems Forming
Supersaturated Solutions, by E. I. Akhumov,
12 pp.

RUSSIAN, per, Zhur Neorgan Khim, Vol III,
No 2, 1958, pp 456-463.

AEC Tr-4450
PL-480

Sci
May 62
PST 372

195,272