

New Low Voltage Sources of Vacuum Ultraviolet,
by Ye. X M. Akimov, 15 pp.

RUSSIAN, per, ~~Vest Mosk Universit, Seriya~~
~~Mate Mekh, Astron, Fiz, Khim, No 4, 1958,~~
pp 109-118. 9668553 *✓ 2 x 111*

FTD-TT-62-1913

Sci-Phys
May 63

230,626

Margolis, E. I. and Egorova, N. F.
THE SIMULTANEOUS MICRODETERMINATION OF
CARBON, HYDROGEN, AND SULFUR. [1961] [8]p.
4 refs.

Order from QTS or SLA \$1.10

62-10247

Trans. of Moscow U. Vestnik. Ser[lya] Mat[ematiki]
Mekh[aniki] Astron[omi] Fiz[iki] Khim[i] (USSR)
1958, v. 13, no. 4, p. 209-213
Another trans. is available from ATS \$7.75 as
ATS-81L34R [1959] 5p.

DESCRIPTORS: *Carbon, *Hydrogen, *Sulfur,
Determination.

A method for the simultaneous microdetermination
of C, H, and S in organic compounds is described,
using strontium silicate as absorbent for sulfur oxides.

(Chemistry--Analytical, TT, v. 7, no. 9)

62-10247

I. Margolis, E. I.
II. Egorova, N. F.

Office of Technical Services

Microdetermination of Carbon and Hydrogen, by
N. F. Egorova, A. S. Zabrodina,

RUSSIAN, per, Vestnik Moskov Univ. Seriya
Matematiki, Mekhaniki, Astronomii, Fiziki,
Khimii, Vol XIII, No 4, 1958, pp 235-238.

ATS RJ-2020

Sci - Chem

Jan 60

105,680

The Effect of Viscosity and Heat Conduction
on the Flow of a Gas Behind a Severely Curved
Shock Wave, by G. A. Lyubimov, 5 pp

RUSSIAN, per, Vestnik Moskovskogo Univer, Ser
Mat. Mekh, Astron, Fiz, Khim, No 5, 1958,
pp 33-35. 9664204

FTD-TT-61-266

Sci - Phys

186, 639

5 Feb 62

Concerning the Approximate Calculation of an
Ephemeris in the Restricted Problem of Three Bodies,
by B. M. Shchigolev, 22 pp.

RUSSIAN, per, Vest Moskovskogo Univ, Ser Matemat,
Astronomii, Fiz, Khim, No 5, 1958, pp 37-48.
CIA 9046102

Rand Tr 119

Sci - Astronomy
Jan 60

107,553

Yarov-Yarovoi, M. S.
ON THE EXPANSION OF THE FORCING FUNCTION
OF THE NEWTONIAN ATTRACTION OF TWO
BODIES. [1962] 11p. 3 refs.
Order from OTS or SLA \$1.60 63-10376

Trans. of Moscow U. Vestnik, [Seriya Matematiki,
Mekhanika, Astronomi, Fiziki, Khimi] (USSR) 1958
[v. 13] no. 5, p. 55-61.

DESCRIPTORS: *Celestial mechanics, *Inertia,
*Functions, *Euler's angles, Equations, Series,
Equations of motion.

(Astronomy--Astrophysics, TT, v. 9, no. 12)

63-10376

1. Title: Two-body problem.
1. Yarov-Yarovoi, M. S.

Office of Technical Services

Theory of Chemisorption on Metals, by
V. L. Bonch-Bruyevich, V. B. Glasko.
RUSSIAN, per, Vestnik Moskovskogo Universiteta
Seriya Matematiki, Mekhaniki, Astronomiy, Fiziki
i Khimiy, Vol 13, No 5, 1958, pp 91-104.
NASA TT R-11,086

Sci-Chem
Sept 67

341,965

Some Optical Investigations of a High-Powered
Pulsed Gas Discharge in Hydrogen, by P. S.
Kireyev, A. A. Inzafovich, 8 pp.

RUSSIAN, per, Iz Vest Moskoy Univ Ser Mat,
Mekh, Astron, Fiz i Khim, Vol XVII, No 5,
1958, pp 105-110.

ABC 30-230-2163
OTS-60-21765

Sci - Engr
May 61

150,362

Yarov-Yarovoi, M. S.

ON THE RECURRENT RELATIONS FOR THE COMPUTATION OF THE DERIVATIVES OF COMPOSITE FUNCTIONS. [1962] 9p. 3 refs.
Order from OTS or SLA \$1.10

63-10359

Trans. of Moscow U. [Vestnik] [Seriya Matematiki, Mekhanika, Astronomiya, Fiziki, Khimiya] (USSR) 1958 [v. 13] no. 6, p. 31-37.

DESCRIPTORS: *Partial differential equations,
*Functions, Integration, Polynomials, Equations.

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

63-10359

I. Title: Composite functions.
I. Yarov-Yarovoi, M. S.

Office of Technical Services

Yarov-Yarovoi, M. S.
ON THE INITIAL MEMBERS IN THE EXPANSION OF
THE FORCING FUNCTION OF THE ATTRACTION OF
TWO BODIES. [1962] 8p. 3 refs.
Order from OTS or SLA \$1.10 63-10374

Trans. of Moscow U. [Vestnik] [Seriya Matematiki,
Mekhanika, Astronomii, Fiziki, Khimii] (USSR) 1958
[v. 13] no. 6, p. 39-44.

DESCRIPTORS: *Celestial mechanics, *Inertia,
*Functions, Equations, *Series, Euler's angles,
Equations of motion.

(Astronomy--Astrophysics, TT, v. 9, no. 12)

63-10374

1. Title: Two-body
problem.

1. Yarov-Yarovoi, M. S.

Office of Technical Services

Visk Viscosity of Melted Zinc, Aluminum, Cadmium
and Antimony, by G. I. Goryaga, I. A. Nosyreva,
8 pp.

RUSSIAN, per, Vest Mosk Univ Ser Mat Mekh Astron
Fiz Khim, Vol XIII, No 6, 1958, pp 59-64.
9668352

FTD-TT-62-1697

Sci-Phys
Apr 63

229,448

Method of Investigating Automatic Control Systems
Containing Linear Elements With Variable Parameters,
by N. T. Kuzovkov, 14 pp.

RUSSIAN, per, Vest Moskov Univ, Ser Matemat Mekh, *Q-100*
Fiz Khim. No 6, 1958, pp 105-109. 9093502

AE
U.K. Atomic Energy Authority
Risley, DE9 Inf Ser 262(CA)

Sci - Engr
H Jul 62

NLL M. 6298
209, 685-

Novoselova, A. V., Semenenko, K. N., and Turova,
N. Ya.

ORGANOBERYLLIUM COMPOUNDS. [1961] 9p.

Order from ATS \$15.75

ATS-08N53R

Trans. of Moscow U. ²Vestnik ³[Seriya Matematiki,
Mekhaniki, Astronomii; Fiziki, Khimii] (USSR) 1958
[v. 13] no. 6, p. 139-147.

DESCRIPTORS: *Beryllium compounds, Metalorganic
compounds.

(Metallurgy--Light Metals, TT, v. 6, no. 6)

61-25046

I. Novoselova, A. V.

II. Semenenko, K. N.

III. Turova, N. Ya.

IV. ATS-08N53R

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

176712

Office of Technical Services

Novoselova, A. V., Muratov, P. Sh. and others.
AN INVESTIGATION OF THE DISSOCIATION PRES-
SURE OF THE SODIUM FLUOBERYLLATE, Na_2BeF_4 .
[1960] 11p. 12 refs.
Order from LC or SLA m\$2.40, ph\$3.30 61-15098

Trans. of Moscow U. Vestnik. Ser[lya] Matematiki
Mekhaniki Astronomii Fiziki Khimii (USSR)
1958, v. 13, no. 6, p. 181-190.

The vapor pressure of beryllium fluoride was deter-
mined over the range 762 to 1103°C. The vapor pres-
sure of liquid sodium fluoride was determined over the
range 1073 to 1193°. The dissociation pressure of the
sodium fluoberyllate Na_2BeF_4 was determined over the
range 1009 to 1197°. The apparent partial pressure of
sodium fluoride over the sodium fluoberyllate is mark-
edly greater than the vapor pressure over pure sodium
fluoride, because of the existence of complex mole-
cules in the vapor phase. (Author)

(Chemistry--Physical, TT, v. 5, no. 3)

61-15098

1. Fluoberyllates--Vapor
pressure
I. Novoselova, A. V.
II. Muratov, P. Sh.
III. Translations, New York

142,981

Office of Technical Services

Graphic ■ Electron Study of the Structure of the
Molecules of Gaseous Halides of the Alkali Metals,
by P. A. Akishin, N. G. Rambidi, 17 pp.

RUSSIAN, per, Vestnik Moskov. U., Ser. Mat. Mekh.,
Astron. Fiz i Khim, No 6, 1958, pp 223-230.

AEC Tr-4096'

Sci - Phys
Aug 60

123,985

Mass-Spectrometric Analysis of Vapour Composition
by Means of a Double Effusion Chamber, by L. N.
Gorokhov.

RUSSIAN, per. Vestnik Moskovskogo Universiteta.
Seriya Matematiki, Mekhaniki, Astronomii, Fiziki,
Khimii, No 6, 1958, pp 231-233.
NLL RTS 3358

Sol-Chem
Nov 67

345,293

Magnetic Properties and Structure of Manganese-Boron Alloys, by N. Z. Miriasov, A. P. Parsanov, 9 pp.

RUSSIAN, per, Vest Mosk U, Ser Mat, Mekh, Astron, Fiz, Khim, No 1, 1959, pp 43-50.

Morris D Friedman
M-126

Sci - Chem
20 Oct 60

129,766

Determination of f_{eff} in the Ionosphere, by
V. D. Gusev, 4 pp.

RUSSIAN, per, Vest Moscow U, Ser Mate Mekh Astron,
Fiz Khim, Vol XIV, No 1, 1959, pp 105-108.

MDF G-166

Sci

OTS, Vol III, No 7

Nov 60

133,093

Sakharov, G. D.
METHODE NOUVELLE POUR L'ETUDE DES
COMPOSES DE SURFACES [New Method of Investi-
gating Surface Compounds] tr. by Orbec. 19 Oct 60
[1] p. 18 refs. CEA Trans. no. R 1017 (text in
French).
Order from OTS or SLA \$1.60

61-15749

Trans. in French of Moscow U. Vestnik. Seriya
Matematika, Mekhanika, Astronomiya, Fizika, Khimiya
(USSR) 1959 (v. 14) no. 1, p. 145-150.

DESCRIPTORS: *Catalysis, Catalysts, Surface prop-
erties, Chemical reactions.

(Chemistry--Physical, TT, v. 6, no. 7)

61-15749

- I. Sakharov, G. D.
- II. CEA-tr-R1017
- III. Commissariat à
l'Énergie Atomique
(France)

15749

Office of Technical Services

Evseer, A. M. and Pozharskaya, G. V.
DETERMINATION OF HEAT OF VAPORIZATION OF
MANGANESE. [1961] [7]p. 3 refs.
Order from OTS or SLA \$1.10

61-28233

Trans. of Moscow U. Vestnik. [Seriya Matematiki,
Mekhanika, Astronomii, Fizika, Khimii] (USSR) 1959,
v. 14, no. 1, p. 165-169.

DESCRIPTORS: *Manganese, Metals, *Vaporization,
Thermochemistry, Vapor pressure.

The heat of vaporization at 298°K was determined to be
 70.0 ± 0.2 kcal/mole.

(Chemistry--Physical. TT, v. 7, no. 2)

61-28233

I. Evseer, A. M.
II. Pozharskaya, G. V.

Office of Technical Services

Complex Compounds of Beryllium With β -Diketones,
by E. S. Przheval'skiy, L. M. Moiseyeva, 10 pp.

RUSSIAN, per, Vestnik Moskov Univ, Ser Mat, Mekhan,
Astron, Fiz i Khim, Vol XIV, No 1, 1959,
pp 203-210.

AEC AWRE/Trans/10

Sci - Chem
Apr 61

149,031

On the Stability of Computational Processes
Arising in the Solution of the Cauchy Problem for
the Equation $dy/dx = f(x, y)$, by Multipoint
Difference Methods, by A. D. Gorbunov, B. M.
Budak, 10 pp.

RUSSIAN, per, Vestnik, Moscow Univ, MMAFKH,
Ser, No 2, 1959, pp 15-23.

MDF G-178
9092767

171, 527

Sci
Oct 61

Remnev, Yu. I.
SYMMETRICAL DEFORMATION OF A SPHERE WITH
VOLUME EXPANSION, tr. by George N. Kasachkoff
and Donald C. Rich. 3 Apr 62 [11]p. 7 refs. AMC
(Redstone) Trans. nr-16-62.
Order from OTS or SLA \$1.60 62-23919

Trans. of [Moscow U. Vestnik. Seriya Matematiki,
Mekhaniki, Astronomii, Fiziki, Khimii] (USSR) 1959
[v. 14] no. 2, p. 43-47.

DESCRIPTORS: *Deformation, *Spheres, *Elasticity,
*Plasticity, Numerical analysis.

(Mechanics, TT, v. 10, no. 4)

62-23919

- I. Remnev, Yu. I.
- II. AMC (Redstone)
Trans-16-62
- III. Army Missile Command,
Redstone Arsenal, Ala.

Office of Technical Services

Grushinskii, N. P. and Sazhina, N. B.
THE QUESTION ON THE DETERMINATION OF THE
ABSOLUTE VALUE OF THE GRAVITY. [1962] [13]p.
12 refs.
Order from OTS or SLN \$1.60 63-10143

Trans. of Moscow U. Vestnik. [Seriya Matematiki,
Mekhanika, Astronomii, Fiziki, Khimii] (USSR) 1959
[v. 14] no. 2, p. 61-68.

DESCRIPTORS: *Gravity, Acceleration, *Gravimeters,
Determination.

A short survey of gravimetric methods is presented.
The question is "Which method is best?"

(Earth Sciences--Geodesy, TT, v. 9, no. 11)

63-10143

1. Title: Free falling
method
- I. Grushinskii, N. P.
- II. Sazhina, N. B.

Office of Technical Services

Algebraic Method of Analyzing Multiterminal
Contact-Rectifier Networks, by V. N. Grebenshchikov,
11 pp.

RUSSIAN, per, Vestnik, Moscow Univ., MMAFKh. Ser., V
Vol XIV, No 2, 1959, pp 69-78.

MDF - G-170
FDD X-4493

Sci - Electronics

Nov 60

131,831

On the Influence of Resonance Properties
of a Plasma on Electro-Acoustic Wave Propaga-
tion, by V. N. Tsytovich, 8 pp.

RUSSIAN, per, Vest M Moskov Univ, Matemat, Mekh,
Astron, Fiz, Khim Ser, Vol XIV, No 2,
1959, pp 135-141.

MDF T-139
9093173

173, 296

Sci
Nov 61

Eventova, M. S. and Yavich, L. A.
OXIDATION OF INDIVIDUAL HYDROCARBONS:
OXIDATION OF CIS AND TRANS-DECALIN. [1961] 6p.
Order from ATS \$10.30 ATS-32N58R

Trans. of Moscow U. Vestnik, Ser[lya] Mat[ematiki]
Mekhan[iki] Astron[omi] Fiz[iki] Khim[iki] (USSR)
1959, v. 14, no. 2, p. 149-155.

DESCRIPTORS: Oxidation, *Hydrocarbons,
*Naphthalenes, Isomeric transitions.

(Chemistry--Organic, TT, v. 7, no. 9)

62-12569

- I. Title: Decalin
- I. Eventova, M. S.
- II. Yavich, L. A.
- III. Title: Oxidation of cis. . .
- IV. ATS-32N58R
- V. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Absorption of Indium by Ion-Exchange Resins
From Solutions Containing Hydrohalic Acid
by E. P. Grintsevich, I. P. Alimarin,
L. I. Nikolayeva, 7 pp.

Russian, per, Vest. E. Monkhov Univ., Matemat.
Mekh. Astron. Fiz. Khim., No 2, 1959,
pp 187-189-197.

HBT T-146

9093177

173, 293

Sci

Nov 61

Reznitskii, L. A. and Komyakov, K. G.
THE DETERMINATION OF THE LATENT HEATS
OF FUSION OF $\text{Na}_2\text{S}_2\text{O}_7$ AND NaHSO_4 DERIVED
FROM THE HEATING CURVES OBTAINED UNDER
ADIABATIC CONDITIONS, [1961] [5]p. 11 refs.
Order from OTS or SLA \$1.10 61-27989

Trans. of Moscow U. Vestnik. Seriya Matematiki,
Mekhaniki, Astronomii, Fiziki, Khimii (USSR) 1959,
v. 14, no. 2, p. 199-202.

DESCRIPTORS: *Sodium compounds, *Sulfates, *Heat
of fusion, Determination, *Calorimeters, Design.

The construction of a spherical calorimeter for the
determination of thermodynamic quantities using the
method of continuous heating under adiabatic conditions
is described. Values were calculated for the heat of
fusion of sodium bisulfate, $\Delta H = 2480$ cal/mol; the
(Physics--Thermodynamics, TT, v. 7, no. 7) (over)

61-27989

I. Reznitskii, L. A.
II. Komyakov, K. G.
III. Translations, New York

Office of Technical Services

Complex Periodate Compounds of Rare Earth
Elements, by I. P. Alimarin, I. V. Fuzdrenkova, 5

RUSSIAN, per, Vest Moskov Univ, Ser Mat 1 Makh,
Astron Fiz i Khim, Vol XIV, No 2, 1959, pp 213-216

ABC-Tr-5703

Sci - Mat & Mat

Jul 63

238,350

Yarov-Yarovoi, M. S.

ON THE EXPANSION OF THE FORCING FUNCTION
OF THE TWO-BODY-ATTRACTION WITH RESPECT
TO THE MOMENTS OF INERTIA FOR THE NON-
MAJOR AND NON-CENTRAL AXES OF INERTIA.

[1962] 10p. 4 refs.

Order from OTS or SLA \$1.10

63-10492

Trans. of Moscow U. ~~Vestnik~~ [Seriya Matematiki,
Mekhanika, Astronomi, Fiziki, Khimii] (USSR) 1959
[v. 14] no. 3, p. 55-62.

DESCRIPTORS: *Inertia, *Euler's angles, *Celestial
mechanics, Equations, Functional analysis, Series,
Equations of motion, *Functions.

(Astronomy--Astrophysics, TT, v. 9, no. 12)

63-10492

I. Yarov-Yarovoi, M. S.

Office of Technical Services

Temperature Dependence of the Paramagnetic
Susceptibility of Nickel-Magnesium and Nickel-
Manganese Ferrites, by V.I. Cherkernikov.

RUSSIAN, per, Vest Moscow Univ, Mat Mekh Astron
Fiz, No. 3, 1959, pp 93-96. 9076185

MEF
C-122

Sci - Chem

150, 901

17 May 1961

Electrical and Galvanomagnetic Properties of a
Nickel-Zinc Ferrite, by A. N. Gorgiaga, L.I. Koroleva.

RUSSIAN, per, Vest Moscow Univ Math Mekh Astron.
Fiz, No. 3, 1959, pp 97-104. 9076187

MDF
G-181

Sci - Elec

150, 902

17 May 61

On the Thermodynamic Theory of Antiferromagnetic
Transformation, by K. P. Belov, R. Z. Levitin,
6 pp.

RUSSIAN, per, Vest Mosk U Matemat, Mekh, Astron,
Fiz, Khim, No 3, 1959, pp 129-133.

MDF B-165
9092609

171,290

Sci

Oct 61

Kost, A. N., Nette, I. T., and Pomortseva, N. V.
EFFECT OF PHENOLS ON MICROORGANISMS
DESTROYING RUBBER. [1961] 14p. 19 refs.
Order from OTS or SLA \$1.60 61-20036

Trans. of Moscow U. (Vestnik Seriya Matematiki)
Mekhaniki Astronomii Fiziki Khimii (USSR) 1959
v. 14, no. 3, p. 213-220.

DESCRIPTORS: *Rubber, Microorganisms, *Phenols.

Over 100 organic compounds, primarily phenols, were
subjected to detailed testing to determine this effect
on the growth of microorganisms which attack rubber
(11 test objects). Substances suitable as antiseptics
(o-oxyphenol, 3,4-dinitrophenol, pentachlorophenol,
4-chlorobenzaldehyde, 8-oxyquinoline, and others), were
determined.

(Materials--Rubber, TT, v. 6, no. 12)

61-20036

I. Kost, A. N.
II. Nette, I. T.
III. Pomortseva, N. V.

19 21 1/2

Office of Technical Services

Bakhtvalov, N. S.
ON THE APPROXIMATE EVALUATION OF MULTI-
PLE INTEGRALS. [1960] 23p. 11 refs.
Order from MDP \$11.50 MDP B-168

Trans. of Moscow U. Vestnik. [Seriya] M[atematiki]
M[ekhaniki] A[stronomii] P[rikladnoi] Khimii [USSR]
1959 [v. 14] no. 4, p. 3-18.

MDP B-168

909 2612

143,090

(Mathematics, TT, v. 5, no. 1)

61-12071

1. Approximate computation--
Theory
2. Functions--Theory
3. Title: Multiple integrals
- I. Bakhtvalov, N. S.
- II. MDP B-168
- III. Friedman, Morris D.,
Inc., West Newton, Mass.

Office of Technical Services

Evaluation of Multiple Integrals by the Optimum
Coefficients Method, by ~~N~~ N. M. Korobov, 9 pp.

RUSSIAN, per, Vest Moskov U Ser Mat, Mekh,
Astron, Fiz Khim, No 4, 1959, pp 19-25.

MDF K-227
9092842

143.086

Sci

Nov 61

(DC-4317)

Linearized Problem on the Propagation of a Strong
Explosion in a Nonhomogeneous Atmosphere, by V. P.
Karlikov, 20 pp.

RUSSIAN, per, Vest Mosk U, Ser Matemat, Mekh,
Astron, Fiz, Khim, No 4, 1959, pp 27-39.

JPRS 6145

Sci - Phys

Oct 60

130,827

S-422/60

(NY-4156)

On the Theory of the Motion of a Pendulum on a Ship,
by V. I. Panteleyev, 18 pp.

RUSSIAN, per, Vest. Moskov. U., Ser. Matemat. Mekh,
Astron. Fiz, No 4, 1959, pp 41-53.

JPRS 5009

Sci - Engr

Jul 60

119,796

S-454/60

(NY-4271)

On the Mutual Potential of a Sphere and a Body
of Rotation, by G. N. Duboshin, 8 pp.

RUSSIAN, per, Vest Mosk U, Ser Matemat, Mekh
Astron, Fiz, Khim, No 4, 1959, pp 55-60.

JPRS 5186

Sci - Geophys

Aug 60

122,886

S-454/60

(NY-4271)

On the "Resolving Capacity" of Systems Measuring
the Horizontal Dimensions of Ionospheric
Heterogeneities, by V. D. Gusev, S. F. Mirkotan,
Yu. V. Berezin, M. P. Kiyanovskiy, 18 pp.

RUSSIAN, per, Vest Mosk U, Ser Matemat, Mekh
Astron, Fiz, Khim, No 4, 1959, pp 105-115.

JPRS 5187

Sci - Geophys
Aug 60

122,885

S-454/60

(NY-4271)

Instrumental Determinations of the Characteristics
of Turbulent Exchange in the Ocean, by N. A.
Fanteleyev, 10 pp.

RUSSIAN, per, Vest Mosk U, Ser Matemat, Mekh, Astron,
Fiz, Khim, No 4, 1959, pp 141-147.

JPRS 5188

Sci - Geophys

Aug 60

122,873

Ice Liberation Mechanism in Frozen Ground During
the Electrosynthesis Process, by A. A. Ananyan,
4 pp.

RUSSIAN, per, Vest Mosk Univ., Ser Matem Mekh Anthon
Fiz Khim. No 4, 1959, pp 149-151. 9092547

MDF A-153

Sci
Oct 61

171, 298

62-23716

Filippov, Yu. V.
ELECTROSYNTHESIS OF OZONE (Elektrosintez Ozona)
tr. by M. Slade. [1962] 174p. (foreign text included)
53 refs. {CSIRO} Trans. 5517.
Order from OTS or SLA \$7.60

62-23716

Trans. of Moscow U. Vestnik [Seriya Matematiki]
Mekhanika, Astronomiya, Fizika, Khimiya (USSR) 1959,
v. 14, no. 4, p. 153-160.

DESCRIPTIONS: *Ozone; synthesis, Electric discharges.
*Electrochemistry, Chemical reaction, Reaction
kinetics.

The principal regularities and dependences of the
external electrical characteristics of discharge on
the ozonation. The dependence of the active power on
the electrical, physico-chemical and design parameters
is resolved by the electrical theory of ozonators. The
(Chemistry-Physical, IT, v. 6, no. 4) (over)

- I. Filippov, Yu. V.
- II. CSIRO Trans-5517
- III. Commonwealth Scientific
and Industrial Research
Organization (Australia)

Office of Technical Services

Rabinovich, Yu. L.
THE BEHAVIOR ON INFINITY OF THE SOLUTIONS
TO SECOND ORDER LINEAR DIFFERENTIAL EQUA-
TIONS. [1962] [14]p.
Order from OTS or SLA \$1.60

63-10306

Trans. of Moscow U. Vestnik Seriya Matematiki,
Mekhanika, Astronomiia, Fizika, Khimiia (USSR) 1959
[v. 14] no. 5, p. 53-63.

DESCRIPTORS: *Differential equations, Inequalities,
Equations, Integral equations, *Transformations
(Mathematics), Integration.

(Mathematics, TT, v. 10, no. 1)

63-10306

I. Rabinovich, Yu. L.

Office of Technical Services

Certain Optical Investigations of a Strong Pulse
Discharge in Hydrogen, by P. S. Kireyev, A. A.
Yuzefovich.

RUSSIAN, per, Vest Moskov U, Ser Matemat, Mekh,
Astron, Fiz, Khim, No 5, 1959, p 105.

Navy 2282/T-163

Sci - Phys

Sep 59

· 96,203

Numerical Solution of the Dirichlet
Problem for Laplace's Equation, by
N. S. Bahvalov.
RUSSIAN, per, Vestn. Moskov. Univ.,
Ser. Mat., Mekhan., Astron., Fiz., Chim.,
No 5, 1959, pp 171-195.
*Dept of Navy APL/JHU J-1206

Sci/Math
Oct 68

Otmakhova, I. P.

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Order from OTS or SLA \$1.60

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Another trans. is available in French from OTS or SLA \$1.60 as 61-19590, CEA-tr-R1125, 23 Nov 60 [16]p.

DESCRIPTORS: *Gas flow, *Diffusers

We shall consider the motion of a gas through a diffuser (confuser) connecting two vessels. Since in the region of free molecular flow molecular collisions are (Mechanics--Aerodynamics, TT, v. 8, no. 8) (over)

62-14006

I. Otmakhova, I. P.

Office of Technical Services

16 040

OTMAKHOVA I. P.

Fr-1

Outflow of a rarefied gas through a diffusor

Ecoulement d'un gaz raréfié à travers un conduit divergent

Vestn. Moskovsk. Univ., Ser. Mat., Mekh., Astron., Fiz.
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R 1125. \$ 1.60, 61-19590 - French

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OF THE TWO-BODY-ATTRACTION UNDER CERTAIN
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[v. 14] no. 6, p. 58-63.

DESCRIPTORS: *Celestial mechanics, Functions,
Distribution, *Density, *Inertia, Euler's angles,
Equations, Equations of motion.

(Astronomy--Astrophysics, IT, v. 10, no. 1)

63-10337

1. Title: Two-body
problem
1. Yarov-Yarovoi, M. S.

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3 Aug 61

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HTL 15 15 039

15483/137

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CTS 71/Aug 55

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4 pp.

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Military - World War II, defeat

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Wishel Roushnik Viteganov

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EEur - Germany

Military - World War II, hydrogen bomb

Oct 53 CTS

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ESur - Germany
Military - World War II

Oct 53 CTS

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KEur - Germany

Military - World War II

8491

Dec 53 CTS

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Military - World War II

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Military - World War II

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OTS TT-60-19635 (5pp)

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Agency: HEN/Bu. Radiological Health
P.O.No.

R-15460-D
23 Aug. 72

Title: Keratoplasty on a Leprosic Eye

Author: N.I. Nazarov

Source: Sov. Vestnik of Ophthalmology #7, 1935; & #9, 1936

IX Language: Russian 3 2 Articles, 14pp

Instructions: Please translate, type single space.
No paste-up, leave space, translate all captions

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(BIOCOLORIMETRY) (Metod Opredeleeniya Kontsen-
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Trans. of Vestnik Oftal'mologii (USSR) 1955, v. 34,
no. 4, p. 21-22.

DESCRIPTORS: *Ophthalmology, *Eye, *Body fluids,
*Fluorescent dyes, Colorimetry, *Colorimetric anal-
ysis, Medical equipment, Diagnosis.

(Biological Sciences--Medical Specialties, TT, v. 7,
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CIA 9033135

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NIH 6-19-61

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Agency: HEN/Bu. of Radiological Health Lib.
P.O.NO. EPA-PLD-94-73

R-15915-D
23 Jan. 73

Title: Leprosy fo the Eye

Author: N.M.Pavlov

Source: Vestnik Oftalmologii, Vol.71,1958 pp10-14

Language: Russian

Instructions: Type single space, no paste-up, leave
space, translate all captions.

ASAP

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(NY-4180)

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JPRS 13499

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APR 62

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JPRS 13499

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Sci Med

Ann 62