

Breakdown of Small Air Gaps, by I. E. Balygin,
10 pp.

RUSSIAN, biblio per, Zhur Eksper i Teoret Fiz,
Vol XXVI, 1954, pp 98-108.

AEC Tr 2242
Assoc Tech Sv Tr 906R

Scientific - Physics
CTS 73/Oct 1955

27,859

ACSIIL 20 1434
(922,360)

Ionization Accompanying the Breaking Up of
Droplets in an Electric Field, by V. M.
Kuchnik

RUSSIAN, bimo per, Zhur Ekspor i Teoret Fiz
Vol XXVI, 1954, pp 109-114.

AEC Tr 2334
Assoc Tech Sv 87G6R

Scientific - Physics
Jan 56 CTS

29,732

Concerning the Connection Between the Absorption
Spectra of Exotic Metals and a Type of Lattice of Basic
Substance, by P. N. Kokhanenko, 8 p.

RUSSIAN, par, Zhur Ekaper i Teor Fiz, 1954, Vol XXVI,
No 1, pp 120-123.

SLA 59-20894

Sci
Apr 60
Vol III, No 2

113,617

Interpretation Of the Vibration Spectra Of Silicates
and Silicate Glasses, by Kolesova.

RUSSIAN, per, Zhurnal Eksperimental'noi I Teoretich-
eskoj Fiziki, Vol XXVI, 1954, pp 124-127.

CSIRO

OTS-77-64-10568

Oct. 62

Acceleration of Charged Particles by a Moving
Magnetized Medium, by A. A. Logunov, Ya. P.
Terletskiy, 10 pp.

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz,
Vol XXVI, 1954, pp 129-138.

ABC Tr 2242
Columbia Tech Tr

Scientific - Physics
CTS 73/Oct 1955

27,142

Zone Theory of One-Dimensional Liquid Model, by
A. N. Gubanov, 16 pp.

RUSSIAN, per, Zhur ~~Ekspert~~ i Teoret Fiz, Vol XXVI,
No 2, 1954, p 139, 9079624

AEC Tr-4737

Sci
Aug 61

1002 8-4094

159, 882

R Equations de Champ "Self Consistent" du Noyau,
Compte Rendu des Forces Electrostatiques, by
A. S. Kompaneys, 10 pp.

RUSSIAN to FRENCH, per, Zhur Eksper i Teoret Fiz
SSSR, Vol XXVI, No 2, 1954, pp 153-158. 9091218

REVERSE TRANS
CEA Tr R-1497

Sci
18 Sep 62

Investigation of the Energy Spectrum of an
Electron in an Ionic Semiconductor in the Presence
of Electric and Magnetic Fields, by M. I. Klinger,
10 pp.

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz,
Vol XXVI, 1954, pp 159-167.

AEC Tr 2218
Columbia Tech Tr

Scientific - Physics
CIS 73/Oct 1955

27,146

Investigation of a Polaron Semiconductor in
the Presence of Electric and Magnetic Fields,
by M. I. Klinger, 6 pp.

RUSSIAN, bimo per, Zhur Ekaper 1 Teoret Fiz,
Vol XXVI, 1954, pp 163-172.

AEC Tr 2244

Scientific - Physics
CTS 73/Out 1955

27,861

On the Problem of Distribution Functions
for Systems With Coulomb Interactions, by
E. A. Strel'tsova, 6 pp.

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz,
Vol XXVI, 1954, pp 173-178.

ARC Tr 2245

Scientific - Physics
CTB 73/Oct 1955

27,862

The Application of Markov's Method to the Problem
of Multiple Losses, by V. V. Chavchanidze, 7 pp.

RUSSIAN, bino per, Zhur Eksper i Teoret Fiz,
Vol XXVI, 1954, pp 179-184.

AEC Tr 2243

5 in U 507/2452

Scientific - ~~TECHNICAL~~ Physics

CTB 73/Oct 1955

27,860

Markov's Method and Problems in the Fluctuation
of Energy Losses Incident to a Limited
Number of Collisions, by V. V. Chavchanidze

RUSSIAN, no per, Zhur ~~Ekaper~~ Ekaper ~~it~~ i Teoret
Fiz, Vol XXVI, No 2, 1954, pp185-188.

AEC 2256
Columbia Tech Tr
4P14 - \$7.50

Scientific - Physics
Nov 55 CTS/DEX

28,433

See Spec Lib - 55/2457

Correlation Functions in the Theory of the
Brownian Movements, by P. I. Kuznetsov, R. L.
Stratonovich, V. I. Tikhonov, 20 pp.

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz,
Vol LXVI, 1954, pp 189-207.

AEC Tr 2255

Scientific - Physics
CTS 73/Oct 1955

27,868

12 440

US-14

VOLKOV D. I., CHECHERNIKOV V. I.

Dependence of the magnetostriction of ferromagnetic alloys
on temperature

Zhur. Eksptl'. i Teoret. Fiz., 27, No. 2, 208-214 (1954)

RJ-1307. \$ 13.25 - English

E u r a t o m

Study of Submicroscopic Objects by Small
Angle Scattering of X-Rays, by V. M. Genkin,
8 pp.

¹
RUSSIAN, bimo per, Zhur Eksper / Teoret Fiz,
Vol XVI, No 2, 1954, pp 224-227.

CIA/PDD/XX-110
NOT RELEASABLE TO FOREIGN NATIONALS

Scientific - Physics

33,783
Apr 56 CTS/DEX

IAC INTERNAL USE ONLY

Application of the Thomas-Fermi Method to
Intranuclear Oscillations, by S. G. Ryzhanov,
10 pp.

RUSSIAN, bino per, Zhur Eksper i Teoret Fiz,
Vol XXVI, No 3, 1954, pp 264-269.

Morris D Friedman R-112
\$5.00

Scientific - Physics

CTB 69/Jun 55

24,735

Comparative Investigation of the Absorption of Mono-energetic positrons and Electrons in Copper and Cadmium, by K. A. Baskova, V. M. Gorbachev, 7 pp.

^{1, m, 4}
RUSSIAN, per, Zhur Eksper i Teor Fiz, Vol XXVI, No 3, 1954, pp 270-274.

Sci Tr Center RT-4221

Sci - Physics

41,558

Intensity of Luminescence of Laminophor Powders,
by E. A. P. Ivanov.

RUSSIAN, per, Zhur Eksp. i Teoret Fiz, Vol XXVI,
No 3, 1954, pp 275-280.

MLL M 8936

OTC 62-14475

229,354

Sci - Phys
May 63

The Theory of Magnetic Properties of Metal-Ammonia
Solutions, by M. F. Deigen, 17 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXVI,
1954, pp 293-299.

AEC Tr 4257

Sci - Phys
Jun 61

154,781

Optical Properties and Electrical Conductivity of
Metal-Ammonia Solutions, by M. F. Deigen, 21 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXVI,
1954, pp 300-306.

DEC Tr-4258

Sci - Phys
Jun 61

154,798

Polarizing Excitons in the KCl Type Crystals,
by I. M. Dykman.

RUSSIAN, par, Zhur Eksper i Teoret. Za Fiz,
Vol XXVI, No 3, 1954, pp 307-316.

NOV 11 1961/NRL Tr 863

Sci - Phys

Nov 61

SLA TF-64-16621

174,191

Recent Measurements of the Lifetime of Excited
Atoms, by H. Ardenne, 14 pp.

RUSSIAN, per, Zhur Paper 1 Teoret Fiz, Vol.
XVII, 1954, pp 352-355.

SLA R-1755
(ARC Tr 2987)

Sci

6

Jul 58

68,339

On the Nature of Ferroelectricity in Rochelle Salt,
by K. N. Karmen, 21 pp.

RUSSIAN, per, Zhur Eksptl Teort Fiz, Vol XXVI, No 3,
Mar 1954, pp 370-376.

SLA Tr R-883

Sci - Electricity

52,377

Sep 57

Theory of X-Ray Absorption Spectra, by A. I. Kostarev,
I. B. Borovskiy, 11 pp.
RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXVI, No 3,
1954, pp 377-384.

JPRS 23510

Sci-Mar & Met
Mar 64

251,523

On the Cherenkov Radiation of Cosmic Particles in
the Atmosphere, by V. I. Goldanskiy, G. B. Zhdanov,
13 pp.

RUSSIAN, mo per, Zhur Eksper i Teoret Fiz, Vol
XXVI, No 4, 1954, pp 405-416.

Sci Mus Lib = 56/0143

A.E.R.E. Harwell Tr 536

Sci = Nuclear Physics, Geophysics 33, 789

May 1956

On the Theory of Paramagnetic Resonance in
Rare-Earth Metals, by S. A. Alfshuler, 15 pp.

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz,
Vol XVI, 1954, p 439.

Morris D. Friedman
\$7.50

USSR
Scientific - Physics

CIN 65/Feb 55

21,323

Resonance of Paramagnetic Absorption in Rare-
Earth Metals at Centimeter Waves, by S. G.
Salikhov, 12 pp.

RUSSIAN, biblio per, Zhur Eksper i Teoret Fiz,
Vol XXVI, 1954, p. 447.

90 80 281
446-453

Morris D. Friedman
\$6.00

USAR
Scientific - Physics

OTS 65/Feb 55

21,324

Electrical Scheme for Immediately Finding the
Distribution Function of Secondary Electrons
with Energy. by N. B. Gorny, L. M. Rachevich

RUSSIAN, blue per, Zhur Ekspoz 1 Toorst Fin,
Vol XXVI, 1954, p 454.

US Dept of Commerce
Nat'l Bureau of Standards

Sci - Nuclear Physics
Dec 56 CTS

44,182

Determination of the Absorption Coefficient
of Powdered Phosphors, by V. V. Antonov-
Romanovskiy,
RUSSIAN, per, Zh Eksperim i Teoret Fiz, Vol
XXVI, No 4, 1954, pp 459-472.
ATS RJ-4731

Sci-Chem
Jul 67

329,154

Reflexion Spectra of Coloured Scattering
Objects, by I. Zhidkova, Z. V.

RUSSIAN, per, Zhur Eksp. i Teoret Fiz,
Vol DIXVII, 1954, pp 458-466.

CSIRO

Sci - Phys
Aug 62

207.439

Reflection Spectra of Coloured Scattering
Objects II, by G. P. Glavin, B. I. Stepanov.

RUSSIAN, Engl Paper 1 Secret File,
Vol XXIII, 1958, pp 467-476.

CSRG

Sci - Phys
Aug 68

207, 440

Dependence of the Absorption and Luminescence
Spectra of the Phosphor ZnS-Cu Upon the Copper
Content, by M. E. Alentsev, A. A. Cherepnev,
7 pp.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXVI,
1954, pp 473-478.

23,507

CIA/FDD/L-146

Scientific - Physics

May 55 CTS

Faraday Effect at Centimeter Waves, by N. Neprimerov,
2 pp.

RUSSIAN, par, Zhur Eksper i Teoret Fiz, Vol XXVI,
1954, pp 511-

26,868

15.11.1980
AEC Tr 2210

Assoc Tech Sv Tr 91G6R

Sci Mus Lib 55, 721

Scientific - Physics

Sep 55 CTS

On the Energy Spectrum of Electrons in Polar
Crystals, II, by S. V. Tyablikov, 11 pp.

RUSSIAN, per, Zhur Eksp Teor Fiz, Vol XXVI, 1954,
p 545-560.

Morris Friedman T-108

Scientific - Physics

Jan 55 CTS/DEX

20,904

\$5.50

Determination of the Energy Spectrum of the Bose
System by its Specific Heat, by I. M. Lifshits,
7 pp.

RUSSIAN, per, Zhur Eksp. i Teoret Fiz, Vol XXVI,
No 5, 1954, pp 551-556.

26, 762

Sci Man Lib Tr 55/1322

Scientific - Physics

Sep 55 CIB

The Theory of Transport and Equations in Strong
Electric Fields, by G. M. Avak'yants,

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol XXVI,
1954, pp 562-575.

26,789

ABC Tr 2203
Assoc Tech Sv Tr 3006R

~~Scientific~~

Scientific - Physics

Sep 55 CTS

Expression for the Interaction of a System of
Particles With the Electromagnetic Field, by
Yu. K. Khokhlov, 9 pp.

RUSSIAN, per, Zhur Ekaper i Teoret Fiz, Vol XXVI,
1954, pp 576-584.

26, 795

AEC Tr 2200

Assoc Tech Sv Tr 3106R

Scientific - Physics, Electricity

Sep 55 CTS

Ostroumov, G. A.
ELECTROSTATIC CONVECTION IN ELECTROLYTES.
[Jen 64] 13p
Order from ATS \$14.65

ATS-03Q73R

Trans. of Zhurnal Eksperim[ental'noi]
Teor[eticheskoi] Fiz[iki] (USSR) 1954, v. 26, no. 5,
p. 585-597.

DESCRIPTORS: Electrolytes, *Heat transfer,
Electrostatics, *Thermal radiation.

(Physics--Thermodynamics, TT, v. 11, no. 9)

TT-64-12430

- I. Ostroumov, G. A.
- II. ATS-03Q73R
- III. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Some anomalies in the Behavior of Metals Heated by
High-Current Pulses (abstracts), by G. V. Lohov, G. P. K
E. Chalkin, 8 pp.

HUGHES, J., Zhar. Fizika i Teoriya, Vol. XXVI, 1954,
pp 629-639.

AEC/SCL-T-285

Ref. in Phys

Jun 59

OTS TT-62-28082 (RUS. JAY to FAFM) 88, 889

The Semi-phenomenological Theory of π -N and
Nucleon-Nucleon Interactions. I. π -N
Scattering by Nucleons, by I. E. Farkas,
Yu. A. Izrael, V. Ya. Fainberg

RUSSIAN, bino per, Zhur Ekspoz i Secret Fiz, Vol
XXVI, 1954, pp 649-667.

AEC Tr 2371

Scientific - Nuclear Physics
Pub 56 GTS/dec

31,139

On the Theory of the Transport Equations in Strong
Electric Fields, Part II, by G. M. Avak'yants.

RUSSIAN, no per, Zhur Eksp i Teoret Fiz, Vol XXVI,
No 6, 1954, pp 668-679.

Assoc Tech Sv RJ-544
\$13.50 (\$5.50)

Sci - Physics
Apr 1957 CTS/dex

46,824

Energy Correlations in a Spatially Dispersed
Medium, by M. E. Gertsenshtein.

RUSSIAN, per, Zhur Eks. i Theor. Fiz., Vol XXVI,
No 6, 1954, pp 680-683.

*SLA

Sci

Mar 63

On the Thermodynamic Theory of Antiferroelectrics
by G. A. Smolenskiy, V. K. Kozlovskiy, 22 pp.

RUSSIAN, per, Zhur Eksptl i Teoret Fiz, Vol
XXVI, No 6, 1956, pp 684-696.

SLA Tr R-739

Sci - Physics

Aug 57

50,584

Anomalous Electron Emission of Tungsten Heated by
a High-Density Current Pulse, by S. V. Lebedev,
S. E. Khaikin, 11 pp.

RUSSIAN, part, Zhur Eksp'tl' i Teoret Fiz, Vol XXVI,
1954, pp 723-735.

AEC Tr 2602

Sci - Physics
Nov 56 CTS

40, 468

Some Properties of Solutions of He³ in He⁴ Part 3,
Vapour Pressure, by B. N. Eselson, 9 pp.

RUSSIAN, per, Zhur Eksptl i Teoret Fiz, Vol XXVI,
pp 744-750, 1954.

SIA R-1625

Sci - Chem
Aug 58

70,587

62-10647

Fradkin, E. S.
ON RENORMALIZATION IN QUANTUM ELECTRO-
DYNAMICS. [1962] [5] 3 refs.
Order from OTS or SLA \$1.10

62-10647

Trans. of Z[hurnal] E[ksperimental'noi] T[heoretich-
eskoi] F[iziki] (USSR) 1954, v. 26, no. 6, p. 751-754.

DESCRIPTORS: *Electrons, *Photons, *Perturbation
theory, *Green's function, Integrals, Operators
(Mathematics), Differential equations.

The equations for the Green's function are formulated
so that they contain only renormalized quantities ex-
pressed in terms of experimental values of the charge
and mass of the electron. The renormalization is
carried out in very general form in order that the re-
sults may be carried over to mesodynamics without
difficulty.

(Physics - Theoretical, TT, v. 8, no. 5)

1. Title: Quantum electro-
dynamics
2. Title: Renormalization
1. Fradkin, E. S.

Office of Technical Services

On Fluctuations in an Oscillator With Inertial
Nonlinearity, by M. S. Zhabotinsky, 4 pp.

RUSSIAN, per, Zhur Eluper Teoret Mz, Vol XXVI,
1954, p 758.

Harrie D. Friedman
\$2.00

Sci - Physics
Mar 59

84,394

Kaganov, M.I. and Azbel, M.Ya.
CONDUCTIVITE DES COUCHES MINCES METALLI-
QUES (Conductivity of Thin Metallic Films). 6p.
CNRS-X 318
Order from CTS, ETC or CNRS 50.80 TT-62-28086

Trans. In French of Zhurnal Eksperimental'noi i
Teoreticheskoi Fiziki (USSR) 1954, v. 27, no. 6,
p. 762-763.

DESCRIPTORS: Metals, Thin films, Electrical
conductance.

(Physics--Electricity. IT, v. 11, no. 6)

TT- 62-28086

- I. Kaganov, M.I.
- II. Azbel, M.Ya.
- III. CNRS-X 318
- IV. Centre National de la Recherche Scientifique, Paris

Office of Technical Services
European Translations Centre

Effect of Ionic Conductivity on the Deviation From
The Reciprocity Law for Photographic Emulsions, by
A. L. Kartuzhanskiy, 6 pp.

RUSSIAN, per, Zhur Eksperi i Teoret Fiz, Vol XXVI,
No 6, 1954, pp 763-764.

CIA/X-1798

USSR
Sci - Physics

26,340

63-14449

I. Gertsenshtein, M. E.

Gertsenshtein, M. E.
ENERGY CORRELATIONS IN A SPATIALLY DIS-
PERSED MEDIUM. [1963] 6p. 4 refs.
Order from OTS or SLA \$1.10 63-14449

Trans. of Zurnal Eksperimental'noi i Teoreticheskoi
Fiziki (USSR) 1964, v. 26, no. 6, p. 680-683.

DESCRIPTORS: *Energy, *Electromagnetic theory,
Electrons, Plasma physics, Tensor analysis.

(Physics--Electricity, TT, v. 10, no. 8)

Office of Technical Services

Determination of Electron Trap Depths in
Crystal Phosphors, by I. A. Parfianovich.

RUSSIAN, per, Zhur Ekspert i Teoret Fiz,
Vol XXVI, No 6, 1954, pp 696-703.

Assoc Tech Services

RJ-323

33, 322

Sci - Physics, Electricity

Apr 56

Spectral Absorption in Photographic Emulsions, by
S. G. Grenishin, 17 pp.

RUSSIAN, per, Zhur Eksperi i Teoret Fiz, Vol XXVI,
No 6, 1954, pp 736-743.

CIA/X-1807

USSR
Sci - Physics

26, 333

On Fluctuations in an Oscillator With Inertial
Nonlinearity, by M. E. Zhaboninskiy, 4 pp.

RUSSIAN, bimo per, Zhur Eksp. i Teoret Fiz,
Vol XXVI, 1954, p 755-757.

Morris D. Friedman 2-165
\$2.00

USSR
Scientific - Physics

CTE 65/Feb 55

21, 306

Method of Measuring Absorption Coefficients in
Microwave Radio-Spectroscopy, by A. M. Prokhorov,
A. I. Barchukov, 4 pp.

RUSSIAN, bino per, Zhur Eksper i Teoret Fiz,
Vol XXVI, 1954, p 761. *P-124*

Morris D. Friedman
\$2.00

USCIB
Scientific - Physics

CRS 65/Feb 55

21,280

Russian Physical Literature III, 88 pp.

RUSSIAN, per, Zhur Ekaper i Teoret. Fiz,
Vol XXVII, 1954; Vol XXVIII, 1955; Uspekhi
Fiz Nauk, Vol LIV, 1954, Encl to ATI IR-
839-55. CIA C 37820

AF 664607

Scientific - Physics
CTS 70/Jul 55

25,355

Low-Frequency Plasma Oscillations, by G. V. Gordeyev,
6 pp.

RUSSIAN, per, Zhur Ekaper i Teoret Fiz, Vol XXVII,
1954, pp 19-23.

*US Staff of Commerce
Dr. Wallace R. Rusk
Nat'l Bureau of Standards*

ARC Tr 2199

Assoc Tech Sv Tr 2806R

26,794
Scientific - Physics

Sep 55 CTS

Excitation of Plasma Oscillations, by G. V.
Gordeyev.

RUSSIAN, per, Zhur Eksper 1 Teoret Fiz, Vol
XXVII, No 1, pp 24-28, 1954.

Assoc Tech Services

RJ-325

33.324

Sci - Physics

Apr 56

Dielectric Hysteresis in BaTiO₃ Monocrystals,
by N. S. Novosil'tsev, A. L. Khodakov.

RUSSIAN, per, Zhur Eksper i Teoret Fiz, Vol
XXVII, No 1, 1954, pp 94-96.

Assoc Tech Services
RJ-327

Sci - Physics

33,327

Apr 56

The Striking of Electrical Discharges in Gases
on Alternating Current at Audio Frequencies in
Tubes With External and Internal Electrodes, by
N. A. Kaysov, N. A. Popov, 6 pp.

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz,
Vol XXVII, 1954, pp 97-102.

AEC Tr 2219
Assoc Tech Sv RJ-237

Scientific - Physics
CRS 73/Oct 1955

27,147

Instability of Tangential Discontinuity in a
Compressible Medium, by S. I. Syrovatskii, 4 pp.

HUGHES, per, Soviet Phys. J. Technol. Phys., Vol XXVII,
1956, pp 121-123.

ABC Tr 2603

Sci - Physics
Nov 56 CTS

40, 469

Conductibilite Thermique de Bronze Phosphorique
aux Temperatures de l'Helium Liquide, by
R. A. Chentsov, 4 pp.

RUSSIAN to FRENCH, per, Zhur Eksp. i Teoret.
Fiz, SSSR, Vol XXVII, 1954, pp 126-128. 9093942

CEA R-1595
Reverse Translation

Sci
Oct 62

Kinetic Equation for Electrons in Metals in
Strong Fields, by V. P. Zhabanskiy. UNCL

RUSSIAN, per, Zhur Ekiper i Teoret Fiz,
Vol XXIX, No 8, 1958, pp 142-146.

DSHM Landing Library Unit M.60

Sci - Phys.
Apr 59

83,982

Deviations From Ohm's Law in Metals,
by V. P. Shubenskiy.

RUSSIAN, bimo per, Zhur Eksper i Teoret Fiz,
Vol XXVII, No 2, 1954, pp 147-153.

Inadoc
National Physical Lab of India
Hillside Road
New Delhi-12, India

Sci - Physics
Rep 50 GTS/dkt

39,130

Thermal Formation of F-Centers in Silver Halide
Crystals, by P. V. Maykiyar, R. S. Shimanekiy, 12pp.

RUSSIAN, par, Zhur Eksperi i Teoret Fiz, Vol XXVII,
1954, pp 156-161.

CIA/X-1802

USSR
Sci - Physics

26, 338

Dielectric Permeability of Plasma Located in a
Stationary Magnetic Field, by N. E. Gertsenshtein,
11 pp.

RUSSIAN, per, Zhur Elekt. i Teoret Fiz, Vol XXVII,
1954, pp 180-188.

ASC Tr 2604

Sci -- Electricity, Physics
Nov 56 CTR

40,470

Investigation of the Speed of ~~XXXXXXXX~~ Development
of a Long Spark, by I. S. Stekolnikov, M. A. Bagirov,
6 pp.

RUSSIAN, per, Zhur Skriptl' i Teoret, Fiz, Vol XXVII,
1954, pp 189-194.

7102

S.L.H.
July 1957

AND Tr 2603

Sci - Physics
Box 56 CTS

40,471

Destruction of Superconductivity of Films in Magnetic Field, by A. V. Gurevich.

RUSSIAN, per, Zhur Eksptl i Teort Fiz. Vol XXVII, 1954, pp 195-207.

SLA R-1608
UKSM T.1639

Sci - Electricity, Physics 52,379

Sep 57

Dependence of the Magnetostriction of Ferromagnetic
Alloys on temperature, by D. I. Volkov, V. I. Che-
chernikov. UNCLASSIFIED

RUSSIAN, per, Zhur Khar' Teoret Fiz, Vol XXVII,
No 2, 1965, pp 203-214.

Assoc Tech Sv RJ 1307

Sci - Phys
Nov 58

75,893

The Transfer of Mass and Charge by Surface Waves,
by A. A. Vlasov, 17 pp.

RUSSIAN, per, Zhurn Eksp'tl' i Teoret Fiz, Vol XXVII, No. 2,
1954, pp 221-242.

ABC Tr 2606

Sci - Physics
Nov 56 CTR

40,472

SLA K-2107

Heat Capacity of a Gas at High Temperatures, by
E. L. Hinn, 4 pp.

RUSSIAN, per, Zhur Ekspil' i Teoret Fiz, Vol XXVII,
1954, pp 262-264. 7080661

AEC Tr 2607

Sci - Physics
Nov 58 CR3

40,473

SLA R-2006

AEC 2006-1-6-6

Zhur Eksper i Teoret Fiz, Vol XXVII, 1954,
pp 269-274, 2 pp abstract

CIA C 37820

AF 664607

Zhur Eksper i Teoret Fiz, Vol XXVII, 1954,
pp 275-282, 2 pp abstract

CIA O 37620

AF 664607

Shock Waves in Binary Mixtures, by S. P. Dyakov,
7 pp. (AF 664607)

RUSSIAN, bino per, Zhur Eksp. i Teoret. Fiz.,
Vol XXVII, 1954, pp 283-287.

AEC Tr 2448

34487

Scientific - Physics

May 56 CDB/DEX

Zhur Eksper i Teoret Fiz, Vol XXVII, 1954,
pp 288-295, 2 pp abstract

CIA C 37820

AF 664607

Zhur Eksper 1 Teoret Fiz, Vol XXVII, 1954,
pp 296-305, 2 pp abstract

CIA C 37320

AF 664607

Zhur Eksper i Teoret Fiz, Vol XXVII, 1954,
pp 307-312, 1 p abstract

CIA 3 37820

AF 664607

Zhur Eksper 1 Teoret Fiz, Vol XXVII, 1954,
pp 313-317, 2 pp abstract

CIA C 37820

AF 664607

The Application of a Photoelectric Recording
Method to Molecular Analysis by Raman Spectra,
by Ya. S. Bobovich, D. B. Gurevich. UNCL.

RUSSIAN, per, Zhur Eksp¹iment. Fiz. No 9,
1954, pp 318-332.

DSIR LIU (loan) M. 352

SLR 58-21481

Sci - Phys
Jul 59

90,133

Zhur Eksper i Teoret Fiz, Vol XXVII, 1954,
pp 333-346, 2 pp abstract

CIA C 37620

AF 664607

Zhur Eksper i Teoret Fiz, Vol XXVII, 1954,
pp 3-7-350, 2 pp abstract

CIA C 37820

AF 664607

Process of Coloring Alkali Halide Salt Crystals
By Exposure to X-rays, by N. P. Kalabukhov, 9pp.

RUSSIAN, per, Zhur Eksperi i Teoreticheskoi Fiz,
Vol XXVII, No 3, 1954, pp 347-350.

CIA/X-1805

USSR
Sci - Physics

26,337

Measurement of the Thermomechanical Effect in
Helium II at About 1° K, by V. P. Peshkov, 7 pp.

RUSSIAN, no per, Zhur Eksper i Teoret Fiz, Vol
XXVII, No 3, 1954, pp 351-354.

D. S. I. T. R.
Sci Tr Center RT-2816

Scientific - Physics
Dec 55 CTS/DEK

29,426

The Hall Effect and Variation of Resistance of
Lead, Copper, and Magnesium in the Magnetic Field,
by E. S. Morozov, 14 pp. UNCLASSIFIED

RUSSIAN, per, Zhur Eksper. i Teoret Fiz, Vol XXVII,
No 3 (9), 1954, pp 355-368.

Navy Tr 1165/NRL 513

Scientific - Physics.
Apr 55 CTS

23,368

Photoeffect of Surface Levels, by G. E. Pilus,
19 pp.

RUSSIAN, bino per, Zh Eksp Teor Fiz, Vol XXVII,
No 3(9), 1954, pp 369-381.

Morris D. Friedman P-107

30, 282

Scientific - Physics

Jan 56 CTS/DEX
\$9.50

Determination of the Time of Regression and the
Coefficient of Shrinkage of Thick-Layer Photographic
Emulsions, by I. M. Gerasimitskiy and M. I. Podgoretskiy,
5 pp.

RUSSIAN, per, Zhur Eksperi i Teoret Fiz, Vol XXVII,
No 3, 1954, pp 389, 390.

CIA/X-1806

26, 332

USSR

Sci - Physics

Zhur Eksper i Teoret Fiz, Vol XXVII, 1954,
pp 382-384, 2 pp abstract

CIA C 37820

AF 664607

Zhur Eksper i Teoret Fiz, Vol XXVII, 1954,
pp 384, 385, 1 p abstract

CIA C 37520

AF 664607

Zhur Eksper i Teoret Fiz, Vol XXVII, 1954,
pp 386, 387, 2 pp abstract

CIA C 37820

AF 664607

Zhur Eksper i Teoret Fiz, Vol XXVII, 1954,
pp 387, 388, 2 pp abstract

CIA C 37620

AF 664607