

Threshold of Colour Contrast at Constant  
Brightness, by S. O. Maizel.  
RUSSIAN, ~~PER~~, Zh. Tekh. Fiz., Vol 17, No 11,  
1947, pp 1253-1268.  
NLL 5828.4F (11692)

Sci - Phys

~~Aug.~~ 67

*Sept.*

338,648

On the Excitation of Waveguides-I, by A. A. Samarskiy,  
A. N. Tikhonov, 24 pp.  
RUSSIAN, per, Zh Tekh Fiz, Vol 17, 1947, pp 1283-1296.  
AEC/BNL-Tr-300-69

Sci/Elec  
Feb 70

402,548

Diffusion of Carbon in Austenite, by M. E. Blanter.

RUSSIAN, per, Zhur Tekh Fiz, Vol XVII, No 11, 1947,  
pp 1331-1340.

Brutcher Tr No 2263

Scientific - Min/Metals

14,934

Excitation of Waveguides. II(1), by A. A. Samarskiy,  
A. N. Tikhonov, 16 pp.  
RUSSIAN, per, Zh Tekh Fiz, Vol 17, No 12, 1947,  
pp 1431-1440.  
AEC/BNL-Tr-308-69

Sci/Elec  
Feb 70

402,547

On the Analysis of the Noise of a Moving  
Aircraft, by K. A. Velzhanina, S. N. Rzhavkin,  
8 pp.

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1947, pp 1483-1490. Encl to IR ~~1711-56~~ 1711-56.  
RFOIN-1A1

~~AF 40,863~~ 1036007

AF 40,863

Sci - Aeronautics

Laws Governing the Coalescence of Carbides in Plain  
Carbon Steel During Isothermal Tempering, by S. Z.  
Bokstein

RUSSIAN, Eng. Zhur Baib. Fiz., Vol XVII, No 12, 1947,  
pp 1514-1520.

Drutcher Tr 3057

Scientific - Minerals/Metals  
CRS/DIZ

Price \$5.90

11,398

Influence of Grain Size Upon Diffusion of Nitrogen,  
by A. G. Andreeva, I. E. Kontorovich, A. A.  
Sovalova.

Full translation.

RUSSIAN, per, Zhur Tekh Fiz, Vol XVII, No 12, 1947,  
pp 1521-1526.

Brutcher Tr 3010

Scientific - Nitriding, steel

The Molten Metal Boil in the Bath of a Steel  
Refining Furnace, by V. S. Kocho,  
RUSSIAN, per. Zh. Tekhn. Fiz., Vol 47, No 12,  
1947, pp 1527-1530.  
BISI 9097

Jun 71



SHEVELEV, A. K.

Zhurnal Tekhnicheskoi Fiziki, vol. 18, No. 1, 1  
figure, 5 tables, 1900 words; 1948.

Influence of Boron upon Structure of High Speed  
Steel.

Brutcher, Trans. Order No. 2138, \$3.35

ZHUR TEKH FIZ Vol XVIII, No 1

Jan 1948

"Thermoelectric Study of Certain Processes Taking  
Place in Alloys: I" 11 pp

Yu. M. Margolin

Brookhaven Nat'l Lab  
Vol 2, No 9 Guide

44T68

Effect of Degree of Deformation on the Relation  
Between Stress and Speed, by L. D. Sokolov, 7 pp.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XVIII, 1948,  
pp 93-97.

AEC Tr 3079

Sci - Phys

Nov 57

*55,757*

YAKOVLEVA, E. S.  
YAKUTOVICH, M. V.

Zhurnal Tekhn, Fiziki, vol. 18, No. 1, 1  
figure, 2000 words; 1948. CIA D 9605399

Development of cracks in steel during  
Martensite Transformation.

Brutcher, Trans. Order No. 2134, \$3.00

NEMONOV, S. A.

Zhurnal Tekhnicheskoi Fiziki, vol. 18, No. 2,  
3300 words; 2 tables; 1948.

Character of Interatomic Binding Forces in  
Phases Formed by Transitional Metals with Light  
Metalloids.

Butcher Trans, Order No. 2201, \$ 5.75.

ZHUR TEKH FIZ Vol XVIII, No 2 *1948* Feb 1948

"Distribution of Deformation According to Volume in  
Metallic Crystals during their Deformation by Sliding"

10 pp

D. G. Kurnosov, N. M. Tronina, M. V. Yakunovich

AEC Tr 294  
Brookhaven

*44T 63*

YATCOLEVA S. E.  
YA UTCVICH V. V.

Zhurnal Tekhnicheskoi Fiziki, vol. 18, 1949, No. 2,  
pp. 207-210, 4 figures, 1 table, 1500 words.

Residual Stresses in Carburized Steel Plates  
Quenched from Below ACP.

Butcher Trans, Order No. 2177, \$2.65

The Texture of Iron Scale, Part IV: Investigation of  
Temperature Range of 930 to 1470° F, by V. I.  
Arkharov, F. P. Butra.

RUSSIAN, per, Zhur Tekh Fiz, Vol XVIII, No 2,  
1948, pp 211-214.

Brutcher Tr 2869

Scientific - Physics

12,847



Nemnonov, S. A.  
HEXAGONAAL CHROOM EN DE STRUCTUUR VAN  
ELECTRISCH AFGESCHIEDEN CHROOM (Nature of  
Hexagonal Chromium and Structure of Electrolytic  
Chromium Deposits) tr. by J.H. van Santen. 10p.  
MTWL: 898. (text in Dutch).  
Order from OTS or ETC \$1.55

61-17607

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) 1948,  
v. 18, p. 239-246.

DESCRIPTORS: \*Chromium, Electricity, Metallurgy,  
\*Crystal structure.

61-17607

I. Nemnonov, S. A.  
II. MTWL-898  
III. Stichting Moeilijk  
Toegankelijke Wetenschap-  
pelijke Literatuur

*HB 6 3493*

Office of Technical Services

The Texture of Iron Scale, Part IV: Investigation of  
Temperature Range of 930 to 1470° F., by V. I.  
Arkharov and F. P. Butra.

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RUSSIAN, Zhur Tekh Fiz, Vol 18, 1948, No 2, pp 211-214

Butcher Tech Tr No 2869

YAKOVLEVA, E. S.  
YAKUTOVICH, N. V.

Zhurnal Tekhnicheskoi Fiziki, vol. 18,  
No. 3, 4 figures, 1 table, 1500 words;  
1948.

Residual Stresses in Carburized Steel  
Plates Quenched from Below  $A_3$

Brutcher, Trans. Order No. 2127, \$2.65

13 215

Ca-1

GORELIK B. V., DMITRIEV V. T.

On the electrical conductivity of mica in strong electric fields

Zhur. Tekhn. Fiz., 18, No. 3, p. 333 (1948)

TT 146 - English

E u r a t o m

The Laws of Atomisation of Fluids in Centrifugal  
Jets, by Novikov', I. I.

RUSSIAN, per, Zhurnal Tekhnicheskoi Fiziki (USSR),  
1948, Vol 18, No 3, pp 345-354.

Sci Museum Lib No 50/2803

The Rheological Properties of Calcium Greases,  
by G. V. Vynogradov and K. I. Klymov, 43 pp.

RUSSIAN, Zhur Tekn Fiz, Vol 18, No 3, 1948  
pp 355-376.

Sci Museum No 51/2754

Scientific - Physics

On the Method of Obtaining Alloys of Varying Concentration, by V. S. Kogan, B. Ya. Pines.

RUSSIAN, per, Zhur Tekh Fiz, Vol XVIII(3), 1948, pp 377-382.

Fulmer Research Institute  
Tr No 35 OT/413

Scientific - ~~Chemistry~~, concentration, alloys

Physics

Index Aeronauticus

ZHUR TEKH FIZ Vol XVIII, No 3

Mar 1948

"The Electrical Conductivity of Mica in Strong Electric  
Fields" 7<sup>1</sup>/<sub>2</sub> pp

B. V. Gorelik, V. T. Dimitriyev

AEC Tr. 288  
Brookhaven

63T28



ZHUR TEKH FIZ Vol XVIII, No 3 Mar 1948

"The Problem of 'Real' Conductivity in Solid Dielectrics"  
4 pp.

B. V. Gorelik, V. T. Dimitriyev

AEC Tr 287  
Brookhaven

RDB 2032

63T29

ZHUR TEKH FIZ Vol XVIII, No 3

Mar 1948

"Regularities of the Breakdown of Liquids in Centrifugal  
Jets" pp. 9<sup>1</sup>/<sub>4</sub>

I. I. Novikov

Sci Museum Lit 50/2803  
(Trans. C. Lists, 20, '50)

63T94

Vinogradov, G. V. and Klimov, K. I.  
RHEOLOGICAL PROPERTIES OF CALCIUM GREASES.  
5 Aug 49 [20]p. 46 refs  
Order from OTS, SLA, or ETC \$1.60 TT-63-20980

Trans. of [Zhurnal Tekhnicheskoi Fiziki] (USSR) 1948,  
v. 18, no. 3, p. 355-376. (Abstract available)  
Another trans. is available from LC or SLA mi\$3.30,  
ph\$7.80 as TT-60-13734 [1960] [44p].

DESCRIPTIONS: \*Greases, Calcium compounds, Vis-  
cosity, Creep, Elasticity, Plasticity, Stresses

A method is described and results are given of a study  
of the elasto-plastic properties of scaldols. The prop-  
erties considered included: the character of the elastic  
deformations under constant and variable loads; the  
conditions of determination of the shear modulus of  
greases; creep phenomena and elastic after-effect,  
softening and hardening under stress, elastic hysteresis  
(Materials--Lubricants, TT, v. 11, no. 4) (over)

TT-63-20980

I. Vinogradov, G. V.  
II. Klimov, K. I.

Office of Technical Services

New Method of ~~XXXXXXXXXX~~ Investigating Plastic  
Deformation of Ferromagnetic Crystals, by N. S. Akulov,  
N. Z. Miryasov.

RUSSIAN, per, Zhurnal Tekh Fiz, Vol XVIII, No 3, 1948,  
pp 389-394.

Brutcher Tr 2735

Scientific - Physics

\$3.80

12,662

An Accurate Solution of Langmuir's Problem for  
a Spherical Capacitor, by V. L. Man.

RUSSIAN, per, Zhur Tekh Fiz, Vol XVIII, No 4,  
1948, pp 483-494.

T.I.L. T-4639

Sci - Physics

34,481

May 1956

ZHUR TEKH FIZ Vol XVIII, No 4 Apr 1948

"The Form of a Field of Electrostatic Lenses" 8 pp

V. V. Sorokind, P. V. Timofeyev

NRL Translation 184  
Copy in file safe

*Sci. Tech. Phys.*

*AT-728*

64T90

ZHUR TEKH FIZIKI VOL XVIII, No 5

May 1948

6 pp

"The Problem of Ionization of Atoms and Neutralization  
of Ions on the Surface of a Semiconductor Cathode"

N. D. Morgulis

Brookhaven Nat'l Lab  
Guide Vol 2, No 9

75T100

ZHUR TEKH FIZIKI

Vol XVIII, No 5, 1948  
pp 653-656 4 pp

"Excitation of a Semi-Infinite Radio Wave Guide  
Through a Slit in the Base"

M. L. Levin

OTS-61-17249

Available at Brookhaven

See guide go Russ Sci Per Lit, Vol 2, No 3, Page 118

75T101



Zhuravskiy

Vol XVIII # 5  
1947  
pp 537-42 (1947)

Molecular Theory of Friction

V. S. Zhuravskiy

AKL Trans. # 167  
(Copy in D'Amico's file)

FSTC HT-23-79-68

R-9387-D SF

26 Apr 68

Reflections of Spherical Waves at Weak Interfaces

By:

From: Journal of Technical Physics (USSR), V. 8, 1948:

473-483

(10 pp)

Russian - est for wds:

Please translate and type 1 camera ready copy. Please  
prepare Data Handling Page. Document can be cut.

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hard covers, 1 inside cover, distribution list as the  
last page of translation. HT-23-79-68

DC Office make 3 xerox copies.

Use of a Discharge in a Gas for the Preparation  
of Glass Surfaces in Aluminizing, by  
Y. N. Rezhdestvenskiy, 5 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XVIII, No 5, 1948,  
pp 579-584.

ACSI I-8303  
ID 2227631

226,636

Sci - Phys  
Mar 63

A Calorimeter for Determination of Specific and  
Latent Heats at High Temperatures, by V. A. Skolov.

RUSSIAN, per, Zhur Tekh Fis, Vol XVIII, No 6,  
pp 813-822, 1948.

MLL. M.4541

Sci - Phys

Apr 62

193,895

Research Investigation of the Ageing of Aluminum Alloys,  
by V. A. BAGARYATSKIY.

IZVESTIYA, Ser. Zhur. Tekh. Fiz., Vol XVIII, No 6, 1948,  
p. 827-830.

On the Kinetics of Two-Phase (Eutectic)  
Crystallization, by B. Ya. Pines, 21 pp.

RUSSIAN, per, Zhiv Tekh Fiz, Vol XVIII,  
No 6, 1948, pp 831-842.

SLA 60-16953

Sci  
Vol IV, No 8  
2 Jun 62

198, 012

Characteristics of the ~~Positive~~ Column in Gas  
Mixtures, by A. A. Zaitsev, 7 pp.

RUSSIAN, ~~ex~~ per, Zhur Tekh Fiz, Vol XVIII,  
No 7, 1948, pp 949-954.

Sci Tr Center  
RT-1445

Scientific - Physics

18, 916

ZHUR TEKH FIZ VOL XVIII, No 8

Aug 1948

26 pp

"Nondiffused (Martensitic) Type of Conversion in Alloys"

G. V. Kurdjumov

1948



KURDYUMOV, G. V.

Journal of Technical Physics, Ussr., vol. 18, no. 8,  
7 figures, 1 table, 3500-word part translation; 1948.

Diffusionless (Martensitic) Transformations in  
Alloys. Part I

*ARTS-103*

Brutcher Trans, Order No. 2300, \$4.90

Two Methods for Determining the Illumination From  
Large Surfaces, by S. G. Yurov, 22 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XVIII, 1948,  
pp 1073-1083.

SLA 60-13737

Sci

190, 282

Apr 62

Vol IV, No 6

Shrinkage and Properties of Powder Compacts as  
Function of Their Density, by M. Yu. Bal'shin.

RUSSIAN, per, Zhurnal Tekh Fiz, Vol XVIII, No 9,  
1948.

Brutcher Tr No 2227

Scientific - Min/Metals

\$4.55

15,032

The Causes of the Phenomenon of Metastable States During Crystallization, (Does Ostwald's Law of Stages Hold Good in the Crystallization Theory?), by N. N. Sirota, 16 pp.

RUSSIAN, per, Zhur Tekh Fiz. Vol XVIII, No 9, 1948, pp 1136-1148.

SLA 60-13729

Sci  
Aug 61

163,147

OTS, Vol III, No 12

Kostenets, V. L., Lazarev, B. F. and others  
RESILIENCE OF METALS AT  $-253^{\circ}\text{C}$ . [1963]  
[12]p. (refs. omitted).  
Order from OTS or SLA \$1.60 63-14488

Trans. of *Zhurnal Tekhnicheskoi Fiziki* (USSR)  
1948, v. 18, no. 9, p. 1149-1155.

DESCRIPTORS: \*Metals, \*Elasticity, Mechanical  
properties, \*Low temperature research, Copper,  
Brass.

A rapid measuring method of the resilience of samples  
at temperatures of liquid nitrogen and liquid hydrogen  
( $-196^{\circ}$  and  $-253^{\circ}\text{C}$ ) is presented. Resilience measure-  
ments were made at  $-196^{\circ}$  and  $-253^{\circ}\text{C}$  on three types  
of metals: Copper M-3, brass LS-62 and brass LS-59.  
(Author)

(Metallurgy, TI, v. 10, no. 2)

63-14488

I. Kostenets, V. L.  
II. Lazarev, B. F.

Office of Technical Services

Magnetic Susceptibility of an Austenitic Steel, by Z.  
Gviridova, G. V. Estulin.

English translation.

RUSSIAN, per, Zhurnal Tekhnicheskoi Fiziki, Vol XVIII,  
No 9, 1948, pp 1207-1209.

Brutcher Tr No 2961

SR

Scientific - Magnetic, austenitic, steel

Investigation of Process of Density Increase of  
Single-Phase Metal-Powder Compacts. Part III: Re-  
lationship Determining the Volume Changes of Metal-  
Powder Compacts During Sintering (in Reply to M. Yu.  
Bal'shin), by V. A. Ivensen.

1948,  
RUSSIAN, per, Zhur Tekh Fiz, Vol XVIII, No 10, ~~1948~~  
pp 1290-1305.

Brutcher Tr No 2987

Scientific - Min/Metals

Dec 54 CTS/DEK

14,736

\$9.80

Properties of Poorly Conducting Layers Between the  
Metal and the Semiconductors, by V. E. Lashkarev,  
20 pp.

RUSSIAN, er, Zhur Tekh K Fiz, Vol XVIII, No 11,  
1948, pp: 1347-1357.

SLA Tr R-1005

Sci - Electronics  
Jan 58

58/83



Comment on V. A. Ivansson's Paper Entitled:  
Investigation of the Process of Density Increase  
in the Sintering of Single-Phase Metal  
Pillar Compacts, by M. Yu. Bal'shin.

Metallurg, Zhur Tekh Fiz, Vol XVIII, No 10, 1968,  
pp. 1332-1335.

Drutcher Tr So 2201

Scientific - Min/Metals

15,034  
\$2.90

ZHUR TEKH FIZ

Vol XVIII, No 11, 9 pp, Nov 48

"Physical Properties of Silver Sulfide Photoelements"  
PP 1369-1377

V. Ye. Kosenko  
Ye. G. Miselyuk

Available at Brookhaven

See guide to Rus Sci Per Lit, Vol 2, No 4, Page 156  
" " " " " " " " Vol 2, No 8, Page 288  
" " " " " " " " Vol 2, No 11, Page 381

18/49T107

ZHUR TEKH FIZ

Vol XVIII, No 11, 16 pp, Nov 46

*pp 1378-1373*

"Radiation Through Gaps of Hollow-Space Oscillations as  
an Analogy of the Tunnel Effect"

P. Ye. Krasnushkin  
Ye. R. Mustel

Done by GB 45/65 (P21451T)

See Index Aero

May, 1950, pp 28

Sci Mus Lit, GB #50/1343

18/49T108

ZHUR TEKH FIZ

Vol XVIII, No 12, 4 pp, Dec 48

"Photoconductivity of Some Intermetallic Compounds"

V. P. Zhuze  
I. V. Mochan  
S. M. Ryykin

3358

in Process • NRL  
(Oct 1950)

Navy Tr 203/NRL 310 (308?)

DB W 12 386

ST-18

RT-704

SR 22 May 1950

19/49T33

Rectification at the Boundary of Two Semi-Conductors,  
by A. V. Joffe, 15 pp.

Full translation.

RUSSIAN, no per, Zhur tekhn fiz, Vol XVIII, USSR, 1948,  
p 1498.

RP1498-1510-SLA 62-16162

CIA/FDD 2-27

USSR

Scientific - Electricity, Semi-conductors, Current

Oct 52 CTS/DEX

Theory of Symmetric Waves in a Cylindrical Waveguide with an Open End, by L. A. Vainshtein, 27 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XVIII, No 12, 1948, pp 1543-1564.

Sci Tr Center  
SLA/RT-1482

Scientific - Physics

18,920

ZHUR TEKH FIZ

Vol XIX, No 1, 7 pp, Jan 49

"The Magnetic Structure of Highly Coercive Alloys: I,  
Some Peculiarities of Magnetization Curves and  
Hysteresis Loops in Highly Coercive Alloys of Alnico and  
Vikalloy"

L. A. Shubina

Ya. S. Shur

AEC/BNL/tr-134

24/49T113

ZHUR TEKH FIZ

Vol XIX, No 1, 5 pp, Jan 49

"The Magnetic Structure of Highly Coercive Alloys: II,  
Effect of Thermomagnetic Treatment on the Electric Re-  
sistance of Highly Coercive Alloys of Alnico"

V. I. Drozhzhina  
M. G. Luzhinskaya  
Ya. S. Shur

AEC/BNL/tr-116

24/49T112



Influence of Elongation on the Saturation Magnetization of Iron-Nickel Alloys of the Invar Region, by  
K. Tolov.

IZV, ser. Zhur Tekh Fiz, Vol XIX, 1949.

ADP Nr 228

PA 149294

149294

Scientific - Physics

15,837

New Accelerators for Charged Particles, by  
A. P. Grinberg, 55 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XIX, No 1, Jan  
1949, pp 1-29.

AEC Tr 99  
~~ATAC-F-TS-6747~~  
A7C

9386

Scientific - Physics  
CTS/DEX

Computation of the Focusing of Ultrasound, by  
A. I. Babx Gubanov,

RUSSIAN, per, ~~XXXXXXXXXXXX~~ Zhur Tekh Fiz,  
Vol XIX, No 1, 1949, pp 30-33.

23,161

Brutcher Tr No 3208  
\$3.80

Scientific - Physics,

Apr  
May 55 CTS

The mechanics of elasto-visco-plastic bodies. I.  
The generalized equations of motion. II. Displacement,  
by A. I. Gubanov.

RUSSIAN, per, <sup>2</sup>Zhur Tekh Fiz, 1949, <sup>VI</sup> 19, <sup>NR</sup> (1) pp 34-42,  
43-61.

Sci Museum Lib No 51/3510 -London

On the Cause of Nonlinearity of the Voltampere  
Characteristic of Carborundum, by V. I. Prashnina-  
Gonovskaya; 35 pp.

RUSSIA, per, Zhur Tekh Fiz, Vol XIX, 1949,  
pp 100-110.

SLA Tr R-997

Sci - Electronics  
Jan 58

58,189

On Bismuth-Sulphide Photo-Resistances by B. T.  
Kolomyetz, 15 pp.

RUSSIAN, Zhur Tekh Fiz, No 19, 1949, 126-131

Sci Museum No 51/2829

Scientific

Ultra-Acoustic Microscope, by S. Ya. Sokolov, 3 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol XIX, No 2, Feb 1949.

CIA/FDD/Z-90

Scientific - Physics

ACSIL Tr No 424, May be same as AMC F-TS-7252 and  
Brutcher Tr No 3003 and RT-1218

17,768

Photoelectric Photometry of Small Light Fluxes, by  
A. L. Osherovich, Ye. N. Pavlova, S. F. Rodionov,  
L. M. Fishkova, 32 pp.

Full tr

RUSSIAN, per, Zhurnal Tekh Fiz, Vol XIX, No 2,  
Moscow, 1949, pp 184-204.

ATIC F-75-8704/III

Scientific - Physics

37,996

CTS/Dex  
Aug 56



New Optical Method of Studying Stresses in Polarized Light, by A. V. Stepanov, 19 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol 19, No 2, 1949, pp 205-217.

Sci Museum Lib No 51/2154 - London

The Effect of Sulfur Impurity on the Electrical  
Properties of Selenium by N. V. Afanas'ev.  
RUSSIAN, per, Zhur Tekhn Fiz Vol XIX, No 2,  
1949, pp 225-230.  
ATG-14R78R

Sept 66

309,775

Hardenability of Steel With Small Boron Contents  
(Some Problems of the Physics of Hardenability), by  
S. M. Vinarov.

RUSSIAN, Zhur Tekh Fiz, Vol 19, 1949, No 2,  
pp 243-250.

Brutcher Tech Tr 2819

Absorption of Ultrasonic Waves by Single Crystals,  
by S. Ya. Sokolov

RUSSIAN, per, Zhur Tekh Fiz, ~~XXXXXXXX~~ Vol 19, 1949,  
No 2, pp 274-278.

Brutcher Order No 3004  
Price \$2.70

Scientific - Ultrasonic

1381

Ratner, S. I.  
CHANGE OF MECHANICAL PROPERTIES OF METALS  
UNDER HYDROSTATIC PRESSURE. [1964] 9p  
Order from OTS, SLA, or ETC \$1.10 TT-64-14755

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) 1949,  
v. 19, no. 3, p. 408-411.

(Mechanics, TT, v. 11, no. 11)

TT-64-14755

I. Ratner, S. I.

Office of Technical Services

zh skh fiz val 19, #3, pp 421-30 (1949)

Micro-mechanical Methods for Examining  
Materials

I. M. Raitman +  
Ya. B. Fridman

Done by Sci Mus Lit  
Et-Brit # 50/1892

3h Leht Jy

Vol 19 (4), pp 441-7 (1979)

Measure of Residual Stresses in Grinding  
(Polishing) High-Chromium Non-Rusting  
(Stainless) Steel

L.H. Thelmer, et al.

Done by Sci Res Lib,  
for PAIT - 50/1878

Zh Tekh Fiz

Vol 19, #4, p465-70 (1949)

Origin + Development of Cracks in Compressed  
Steels of Heterophase Structure.

I. A. Pavlov

M. V. Yakutovich

Donetsk Sci Mus Lib,  
S. B. — # 50/1891



ZHUR TEKH FIZ

Vol XIX, No 4, 14 $\frac{1}{4}$  pp,  
1949

"Cleavage Phenomena"

A. V. Stepanov

Done by Sci Mus Lit  
Gt Brt - #50/1896

48/49T95

Investigation of Mechanical and Piezo-Optical  
Properties of Silver Chloride Crystals, by S. O.  
Tsobkalo, 25 pp

RUSSIAN, per, Zhur Tekh Fiz, Vol XIX, No 4, 1949,  
pp 507-517.

CIA/FDD/X-1186

Scientific - Chemistry  
CTS/DEX

9166

Kinetics of the First Stage of the Martensite Decomposition, by G. Kurdyumov; L. Lysak

RUSSIAN, per, Zhur Tekh Fiz, Vol XIX, No 5, 1949, pp 525-531.

Brutcher Tr 3041

Scientific - Minerals/Metals  
CTS/DEX Price \$6.85

2082

Y  
Carbide Phase During Tempering of Alloy Steels, by  
S. Z. Bokshiteyn.

RUSSIAN, per, Zhur Tekhn Fiz, Vol XIX, No 5, 1949,  
pp 532-541.

Brutcher Tr No 2687

15,728

Scientific - Physics

\$8.60

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