APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

Prospecting by the Use of Radio Waves Transmitted from Boreholes to the Surface of the Ground in One of the Ore Deposits Beyond the Arctic Circle, by A. D. Petrovskiy.
RUSSIAN, per, Prikladnaya Geofizika, No 29, 1961, pp 187-201.
NTC 69-10944-08I

Sci-Ear Sci
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APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

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TT-64-10977

Van'yan, L. L., Terekhin, E. I., and Shtimmer, A. I.
METHODS FOR CALCULATING THE FREQUENCY-SOUNDING WAVE CURVES. [1964] 9p 4refs
Order from OTS, SLA, or ETC $1.10 TT-64-10977

Trans. of Prikladnaya Geofizika (USSR) 1961, no. 30, p. 92-102.

(Earth Sciences--Geodesy, TT, v. 12, no. 1)

I. Van'yan, L. L.
II. Terekhin, E. I.
III. Shtimmer, A. I.

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TT-64-10976

Van'yan, L. L., Kaufman, A. A., and Terekhin, E. I.
CALCULATING THE FREQUENCY-SOUNDING PHASE CURVES BY THE TRANSFORMATION METHOD.
[1964] 9p 5refs
Order from OTS, SLA, or ETC $1.10 TT-64-10976

Trans. of Prikladnaya Geofizika (USSR) 1961, no. 30, p. 103-114.

(Earth Sciences--Geodesy, TT, v. 12, no. 1)

I. Van'yan, L. L.
II. Kaufman, A. A.
III. Terekhin, E. I.

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63-17762

Salikhov, A. G.
RAPID METHOD OF CALCULATING THE DEPTH OF OCCURENCE OF RECTANGULAR-PRISM-SHAPED BODIES DISTURBING THE GRAVITATIONAL FIELD. [1963] 13p.
Order from ATS $14.25 ATS-83Q69R

Trans. of Prikl[adnaya] Geofiz[ika] (USSR) 1961, no. 31, p. 230-247.

DESCRIPTORS: *Gravity anomalies, Prismatic bodies, Mathematical analysis.

(Earth Sciences--Geodesy, TT, v. 10, no. 6)

I. Salikhov, A. G.
II. ATS-83Q69R
III. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

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Applied Geophysics USSR, edited by Nicholas Rast, 429 pp.

RUSSIAN, bk, Prikladnaya Geofizika, 1962.

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Lib of Congress Card No 60-53385

Sci - Geophys

Sep 62

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APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

63-17334

Polyakov, E. A.
THE THEORY OF TRANSMISSION WITHOUT WIRES OF ELECTRICAL SIGNALS FROM THE BOTTOM OF THE HOLE TO THE SURFACE DURING DRILLING. [1963] 11p.
Order from ATS $16.25 ATS-51Q68R

Trans. of Prikl[adnaya] Geofiz[ika] (USSR) 1962, no. 32, p. 142-154.

DESCRIPTORS: *Well drilling, Surfaces, Boreholes, *Communication systems, Electrical equipment, Signals, Transmission, Theory, *Well logging.

(Engineering, TT, v. 10, no. 6)

1. Title: Boring
I. Polyakov, E. A.
II. ATS-51Q68R
III. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

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Glumov, I. F. and Dobrynin, V. M.
VARIATION IN ELECTRICAL RESISTIVITY OF WATER-SATURATED ROCKS UNDER THE INFLUENCE OF ROCK AND FORMATION PRESSURE.
[1963] 15p.
Order from ATS $10.75 ATS-64Q71R

Trans. of Prikl[adnaya] Geofiz[ika] (USSR) 1962, no. 33, p. 190-204.

DESCRIPTORS: *Rock (Geology), *Resistance (Electrical), Water, Impregnation, Pressure, *Geophysics.

(Earth Sciences--Geology, TT, v. 11, no. 1)

TT-63-22351

I. Glumov, I. F.
II. Dobrynin, V. M.
III. ATS-64Q71R
IV. Associated Technical Services, Inc., East Orange, N. J.

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APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

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Orlov, L. I. and Gimaev, R. S.
EFFECT OF OVERBURDEN PRESSURE ON THE ELECTRICAL RESISTIVITY OF CARBONATE ROCKS. [1963] 5p
Order from ATS $6.75 ATS-65Q71R

Trans. of Prikl[adnaya] Geofiz[ika] (USSR) 1962, no. 33, p. 206-212.

DESCRIPTORS: *Carbonate minerals, *Rock (Geology), Loading (Mechanics), Electrical properties, *Resistance (Electrical), Weight, Pressure, *Geophysics.

(Earth Sciences--Geology, TT, v. 10, no. 10)

63-22581

I. Orlov, L. I.
II. Gimaev, R. S.
III. ATS-65Q71R
IV. Associated Technical Services, Inc., East Orange, N. J.

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APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

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Kal'varskaya, V. P. and Lonskii, A. V.
AN APPARATUS FOR LOGGING MAGNETIC SUSCEPTIBILITY. [Jan 64] 11p
Order from ATS $10.85 ATS-64Q73R

Trans. of Prikl[adnya] Geofiz[ika] (USSR) 1962, no. 33, p. 213-224.

DESCRIPTORS: *Well logging, Magnetic properties, Geophysical prospecting.

(Earth Sciences--Geology, TT, v. 11, no. 10)

TT-64-12404

I. Kal'varskaya, V. P.
II. Lonskii, A. V.
III. ATS-64Q73R
IV. Associated Technical Services, Inc., East Orange, N. J.

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On the Separation of Low Intensity Waves With the Aid of the Adjustable Directional Reception Method (ADR), by L.A. Ryabinkin, V.V. Znamenskii. 19 pp. RUSSIAN, per, Prikladnaya Geofizika, No 34, 1962, pp 3-22.
OTS-TT-63-27103

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May 67

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TT-63-22927

Nemtsov, L. D.
THE PROSPECTS OF HIGH-PRECISION GRAVITY PROSPECTING IN THE SEARCH FOR OIL. [1963] 11p
Order from ATS $14.85 ATS-92Q71R

Trans. of Prikl[adnaya] Geofiz[ika] (USSR) 1962, no. 35, p. 142-156.

DESCRIPTORS: Oils, *Geophysical prospecting, Gravity, Precision equipment.

(Earth Sciences--Geology, TT, v. 11, no. 3)

I. Nemtsov, L. D.
II. ATS-92Q71R
III. Associated Technical Services, Inc., East Orange, N. J.

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APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

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Evaluation of Accuracy of Gravimetric Maps, by
M. V. Abdulov. 25 3pp
RUSSIAN, per, Prikl Geofizika, No 36, 1963.
ACIC
TC-833

Sci - Earth Sci & Astron
Dec 64

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APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

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Influence of Vertical Accelerations on Gravimeter Readings, by V. O. Bargamyants. 25 3 pp
RUSSIAN, per, Prikl Geofizika, No 36, 1963.
ACIC
TC-834

Sci - Earth Sci & Astron
Dec 64

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APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

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Variation of Gravimeter Readings Under the Effect of Vertical Oscillations of Its Base, by P. I. Lukavchenko. RUSSIAN, per, Prikl Geofizika, No 36, 1963. 253 pp
ACIC
TC-835

Sci - Earth Sci & Astron
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A Statistical Estimate of the Accuracy of Averaging up the Disturbed Value of the Gravitational Acceleration for a Finite Period of Time, by Ya.A.Tarakanov.
RUSSIAN, per, Prikladnaya Geofizika, No.37, pp. 135-146, 1963.
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Aug 66

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A. Ye. Kulinkovich

Demarcation of Stratal Boundaries and Identification of Sandstones by Means of Digital Computers According to Electric Logging Data.
RUSSIAN, per, Prikladnaya Geofizika, No 3?, 1964, pp 107-113.
WTC 72-14058-OOG

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Measurement of Elements of the Gravitational Field While in Motion, by K. Ye. Veselov, 10 pp.
RUSSIAN, per, Prikladnaya Geofizika, No 40, 1964, pp. 120-126.
JPRS 30334.

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APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

Ginzburg, I. P.
APPLIED FLUID DYNAMICS, tr. by Albert Barouch. 1963, 258p. 69 refs. PL-480 NASA; NASA TT-F-94. Order from OTS $2.75 62-11032

Trans. of mono. Prikladnaya Gidrogazodinamika, Leningrad, 1958 [337p.].

DESCRIPTORS: *Fluid mechanics, *Hydrodynamics, *Hydraulic research, Equations of motion, Fluid flow, Pipes, Stability, Turbulence, Gas flow, Friction, Continuum mechanics.

This book discusses some of the problems of fluid mechanics which are frequently met with in the engineering design of various machine assemblies and engineering installations. The author examines the steady and unsteady flow of liquids and gases in pipes, their efflux from vessels, problems of the determina- (Mechanics--Hydraulics, TT, v. 9, no. 12) (over)

62-11032

I. Ginzburg, I. P.
II. PL-480 NASA (62-11032)
III. NASA TT-F-94
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Applied Fluid Dynamics, by I. P. Ginzburg, 258 pp.

RUSSIAN, bk, Prikladnaya Gidrogazodinamika, 1958.

NASA TT-F-94
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Jul 63

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Applied Magnetic Hydrodynamics, 139 pp.

RUSSIAN, bk, Prikladnaya Magnitogidrodinamika, 1956
131 pp.

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The Application of Gäserkin's Method to the Problem of the Steadiness of the Flow of a Viscous Liquid, by G. I. Petrov.
RUSSIAN, per, Prikladnaya Matematika i Mekhanika, Vol 4, No 8, 1940, pp 3-11.
NLL RTS 3160

Sci - Mech
Sept. 67 340,383

APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

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On the mechanics of plastic solids by Applied Mathematics and Graduate Division, Brown University
U.S. Navy Dept David W. Taylor Model Basin
Providence, R.I. RMB-15 1947 8p

Trans. from Prikladnaia Matematika i Mekhanika 4, 37-42 (1940)

LIT 52,708

669.1-T
General
53-T

APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

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Development and Present State of the Theory of Plasticity, by G. K. Genki, 11 pp.

RUSSIAN, mo per, Prik Mat i Mekh, Vol IV, No 3, 1940, pp 31-36.

Sci Tr Center RT-239

Scientific - Physics

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On the Mechanics of Plastic Media, by
L. M. Kachanov.
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RUSSIAN, per, Prikl Mate i Mekh, Vol IV, No 3,
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CIA X-6332

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Aug 67

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The Pressure of a Plastic Solid on a Rigid Wedge,
by V. V. Sokolovskiy, 24 pp.

RUSSIAN, per, Prik Mat i Mekh, Vol IV, No 5-6, 1940,
pp 19-34.

Sci Trans Center RT-278

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Scientific - Physics
CTS/DEX

APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

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Steady Vibrations of Wing of Circular Plan Form and Theory of Wing of Circular Plan Form, by N. E. Kochin

RUSSIAN, per, Prikl. Mat. Mekh., Vol 6, pp 287-316, Vol 4, pp 3-32, 1942; 1940.

NACA, Washington
Tr No 1324

1341

Scientific - Engineering

APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

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On the Application of Hooke's Law to Rubber, by N. I. Glagolev, 9 pp.

RUSSIAN, per, Prik Mat i Mekh, Vol IV, No 5-6, 1940, pp 123-127.

Sci Trans Center RT-283

Scientific - Physics
CTS/DEX

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Plane Strain in the Case of Linear Strain Hardening, by A. Yu. Ishlinskiy, 24 pp.

RUSSIAN, mo per, Prik Mat i Mekh, Vol V, No 1, 1941, pp 57-70.

Sci Tr Center RT-355

Scientific - Physics

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APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

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Prik Mat i Mekh Vol 5, # 2 (1941)

Influence of Period of Lattice on Hydrodynamic Characteristics

N. E. Kochin

In process - AMC
(Telecom - Jan 51)

APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

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Construction of Airfoils by the Hodograph Method, 42 pp. by L.A. Simonov

RUSSIAN, per, Prik Matemat i Mekh, Vol V, No 2, 1941, pp 193-222.

Sci Tr Center
RT-1466

Scientific - Mathematics

18,941

APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

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Prik Mat i Mekh Vol 5, # 3 (1941)

On Integral Methods in Theory of Boundary Layer

L. G. Laytzonsky

In process - AMC
(Telecom - Jun 51)

APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

On B. G. Galerkin's Method in the Calculus of Variations and the Theory of Elasticity, by I. A. Perel'man.
UNCLASSIFIED

RUSSIAN, per, Prik Matemat i Mekh, Vol V, No 3, 1941,

*Navy/APL

Sci - Physics
Feb 60

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The Plastic-Elastic State of Solids, by L. M. Kachanov, ~~8xxxx~~ 13 pp.

RUSSIAN, mo per, Prik Mat i Mekh, Vol V, No 3, 1941, pp 431-438.

Sci Tr Center RT-282

Scientific - Physics

10, 130

APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

Application of the Theory of Plasticity to the Rolling of Metals, by K. N. Shevchenko, 20 pp.

RUSSIAN, mo per, Prik Mat i Mech, Vol V, No 3, 1941, pp 439-452.

Sci Tr Center RT-348

Scientific - Physics

10, 135

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APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

On Integral Methods in the Theory of the Boundary Layer, by L. G. Loytyanskiy.
RUSSIAN, per, Prik Mat Mekh, Vol 5, 1941, pp 453-470.
BAEC 127-64
(ANL-Trans 579

Sci-Math
Jul 68

APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

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Three Dimensional Flow in Hydraulic Turbines,
by L. A. Simonov, 33 pp.

RUSSIAN, bomp per, Prik Matemat i Mekh, Vol V,
No 3, 1941, pp 471 - 488.

AMC F-TS-7476

Scientific - Engineering

Dec 1951 CTS

APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

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Application of Galerkin's Method to the Socalled Procedure of Reduction to Ordinary Differential Equations, by L. V. Kantorovich.
RUSSIAN, per, Prikl Mat Mekh, Vol 6, 1942, pp 31-40.
AEC ANL-Trans-578

Sci-Math
Jul 68

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Theory of Stability of Thin Elastic Anisotropic Plates of Variable Rigidty, by P. G. Shulezhko.
RUSSIAN, per, Prikladnaya Mathematika i Mekhanika, Vol 7, No 2-3, 1942, pp 139-150.
*NASA TT F-11,346

Sci-Mech
Jan 68

APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

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Variational Principles for Elastic-Plastic Solids, by L. M. Kachanov, 18 pp.

RUSSIAN, per, Prik Matemat I Mekh, Vol VI, 1942, pp 187-196.

Sci Trans Center
RT-1954

Scientific - Physics Jan 55 CTS/DEX

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APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

On a Problem of Elastic-Plastic Torsion, by V. V. Sokolovskiy, 11 pp.

RUSSIAN, per, Prik Matemat i Mekhanika, Vol VI, Nos 2, 3, 1942, pp 241-246.

SCI Tr Center
RT-1955

20,397

Scientific - Mathematics Jan 55 CTS/DEX

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APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

On the Distribution of Stresses in a Rolled Bar, by K. N. Shevchenko, 19 pp. UNCLASSIFIED

RUSSIAN, per, Prik Matemat i Mekh, Vol VI, No 5, 1942, pp 381-394.

Sci Tr Center
RT-1797

Jan 55

Scientific - Physics [redacted] CTS

20,540

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I. Malkin

Some basic theorems of the theory of stability of motion in critical cases, 50 pp
RUSSIAN per, Prikladnaya Matematika i Mekhanika, 1942 Vol 6, pp 411-448

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1941	V5	P455-470	AML-TRANS-579 <=>
1942	V6	P31-40	AML-TRANS-578 <=>
1949	V13	P435-444	70-25363 <*>
1950	V14	P295-302	RT-1439 <*>
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Boundary Layer in Compressible Gas, by A. Dorodnitsyn, 65 pp.

Full translation.

RUSSIAN, mo per, Prik Matemat i Mekh, Vol VI, No 6, 1942, pp 449-486.

NACA N-12716

Sci - Chem

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Deflection of a Semi-infinite Plate Lying On an Elastic Foundation, by G. S. Shapiro.

RUSSIAN, bimo per, Priklad Matemat i Mekh, Vol VII, 1943.

OCE Tr 48

Scientific - Geophysics CTS 65/Feb 55

21,475

APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

Chetaev, N. G.
ON SUFFICIENT CONDITIONS OF STABILITY OF ROTARY MOTION OF A PROJECTILE. [1963] 28p (formulae omitted) 2refs
Order from OTS, SLA or FTC $2.60 TT-63-20579

Trans. of Prikladnaya Matematika i Mekhanika (USSR) 1943, v. 7, p. 81-96.

DESCRIPTORS: *Projectiles, Stability, Rotation, Velocity, *Ballistics, Projectile trajectories, Complex variables, Euler's angles, Partial differential equations, Differential equations.

(Engineering--Ordnance, TT, v. 11, no. 4)

TT-63-20579

I. Chetaev, N. G.

Office of Technical Services

APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

APPROVED FOR RELEASE: 2005/08/30 CIA-RDP91-00772R000200960011-9

On the Stability of the Visco-Plastic Flow in a Strip and in a Cylindrical Bar, by A. Yu. Ishlinskiy, SS [illegible]

RUSSIAN, per, Prik Matemat i Mekhanika, Vol VII, No 2, 1943, pp [illegible] 109-130

Sci Tr Center
RT-1080

Scientific - Physics

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Prik Mate i Mekh, Vol 7, 1943.

"Elastico-Plastic State of Stress of a Tube Under the Action of Uniform Internal and External Pressure"

Done in S.B. by ACSIL (Admiralty)
49/4663
Y 21552T

See Index Aero, May 1950, p62

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Novozhilov, V. and Finkel'stein, R.
ON THE ERROR OF THE KIRCHHOFF HYPOTHESIS IN SHELL THEORY (O Pogreshnosti Gipotez Kirkhgofa v Teorii Obolochek). [1962] [31]p. 7 refs.
Order from OTS or SLA $3.60 62-16104

Trans. of Prikladnaya Matematika i Mekhanika (USSR) 1943, v. 7, no. 5, p. 331-340.

DESCRIPTORS: *Elastic shells, Theory, Errors, Elasticity, Deformation, Stresses, Transformations (Mathematics), Differential equations, Mechanics.

For the purpose of elucidating the inaccuracies mentioned in the title of this paper the authors develop a theory of shells independent of the Kirchhoff-Love hypothesis. This theory generalizes and extends the earlier treatments published by Basset and partly by Kiltchevsky. The results obtained lead to the conclu-
(Mechanics, TT, v. 8, no. 5) (over)

62-16104

I. Title: Kirchhoff Hypothesis
I. Novozhilov, V.
II. Finkel'stein, R.

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A. Grib

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(Telecom - Jun 81)

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A. A. Brik

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~~Should be able to order from NTC~~

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L. E. Kalikman

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