

Il'yenchenko, M. V.

Repair Business Uses Economic Accountability and  
Incentives.

9 pp

MASHINOSTROITEL', Moscow, No 1, 1974, pp 14-20.

JPRS 61827

Demin, V. F.

Compensation Paid for Loss Sustained by Workers  
and Employees.

3 pp

MASHINGI PROIHEL', Moscow, 1964, 11-12.

JPRS 61367

GOREV, M. S.  
//MASHINOSTROITEL'//  
--/--/1974,V-----,NO011, pp 0002-0003  
Progress in Improving the Setting of Labor Output  
Rates. 7 pp  
JPRS 63828  
‡

BELOV, V. S.  
//MASHINOSTROITEL'//  
--/11/1974,V----,NO011, pp 0026-0027  
ways to Maximize Use of Metal-Cutting Tools  
Described 5 pp  
JPRS 63851  
\*

Olevnik, S. U.

Scientific research at the Kharkov Power  
Engineering Institute in the field of  
machine construction 9 pp.

MASHINOSTROITEL'NAYA PROMYSHLENNOST', No. 5,  
1969, pp. 3-7.

AIR/FTD/HT-23-426-73

Agency: Air Force/Aerospace Research Labs.  
MIPR: FY89947500066

Title: Transformation of the particle distribution  
characteristics-statistical theory and its applications.

Author: VAGAPOV, E.I.

Source: MASHINVED, No. 10, 1984, pp. 1-10

Special instructions: Translate  
RUSSIAN - ENGLISH

Agency: Air Force/Aerospace Research Labs.  
MIPR: FY89947500066      All lit: 75-12-13

Title: Statistical evaluation of the effect of structural factors on the fatigue resistance of

Author: KOZAKI, V.P.

Source: MASHINOVED. No. 10, 1987, p. 6

Special instructions: Translate and transcribe into  
RUSSIAN - ENG 15P

RABONOV, YU. N.  
//MASHINOVEDENIYE//  
--/--/1987, V---, R0001,  
Study of the kinetics of failure in glass-fiber  
reinforced plastics, 5 pp,  
PP 98-101, AIR/FTD-HT-23-1709-74##



Shur, D. P.

Statistical Criterion of the Danger of Material  
Fracture in a Complex Stress State

MASHINOVEDENIE, No. 1, 1971, pp. 61-66

CIA-X-7381

Mel'nichenko, N.T.

Assembly and Welding of Stainless Steel and  
Aluminum Structures.

MASHINOSTROYENIYE, Leningrad, 1968, pp.6-10 and  
60-77

NISC 3502

Beknev, V. S., et al.

Experimental Study of Rotating Stall in High-Pressure  
Stages of an Axial-Flow Compressor

MASHINOSTROENIE, No. 8, 1970, p. 116--122, A72-11063

NASA TT F-15,115

Berg, Zil'

Aluminum Alloys in Tractor Construction 24 pp

MASHINOSTROYENIYE 1971 9-11

ESTC-REF-23-1716-72

Skotrikov, V.A.

A Plan for the Operation of Ditchdiggers      9 pp

MASHINOSTROYENIYE, 1971, pp 70-79

FSTC-HT-23-116-73

Handbook for the Mechanical Engineer in the  
Machine Construction Plant - Vol. 1  
Organization and Design Preparation  
MASHINOSTROYENIYE, Moscow 1971, 127-147, 117-129

AcSI 3-5961  
STC-41-23-1585-1

Vetrov, Yu.A.

Cutting of Soil with Earth-Digging  
Machinery (Bibliography) 14 pp

MASHINOSTROYENIYE, 1971, pp 349-356

FSTC-HT-23-115-73

VEREIN, L.I.  
//NASHIN OSTROYENIYE//  
--/--/1971, V----, N0003,  
Approximate Calculation of Critical Stresses 6 pp  
pp 18-21, ACSI-K-2656, ARM/PSTC-HT-2068-7200



Method of Bistructure Hardening of Steel,  
by P. Rafailov, 7 pp.  
~~SECRET~~, per. Mashinostroyeniye, No 3, 1971,  
pp 127-129.  
ACSI-K-3033  
FSTC-HT-23-1545-72

Apr 72

Kartyshov, A. B. et al.

Wear resistance of components of suction dredgers  
MASHINOSTROENIE, 1972, pp. 160  
C. E. TRANS. 6399

Machine Builders Reminded of Duty to Support  
Agriculture.

6 pp

MASHINOSTROITEL', Moscow, No. 7, Aug. 4, 1951.  
JPRS 63180

Klopin, V. K.

Digital Computer Modeling of the process of Automation  
of scanning of three-dimensional Objects for their  
Identification 11 pp  
MASHINOSTROYENIYE, vol. 10, 1972, pp. 221-228  
AIR/FTD-HT-23-64-74

RUSSIAN

*completed  
17 July 73  
2-3/10/73 T. B. L.*

CHO 8514/1737  
29 Jun 73

1. The design of solid state power transformer units, by S. R. Rezinskiy, et al.
2. Solid state instruments and their applications, by Ya. A. Fedotov.
3. Thermoelectric refrigerators and generators, by I. V. Zorin, & Z. Ya. Zorina.
4. ✓ Photoelectric and thermoelectric instruments and their applications, by S. V. Mayorov.

Moscow, (1) Energiya; (2) Sovetskoye Radio; (3) Energiya and (4) Mashinostroyeniye, 1973

Spec type B Do not publish  
Translator's draft plus one copy.

RUSSIAN

CSO: 8144'0419  
30 August 1974

Machinebuilding. Article 1 by A.I. Kostousov  
and Article 2 by VI.I. Khar'kov

Moscow, Mashinostroyeniya. No 7, 1974 pp 1-27  
and pp 38-40.

Please publish in the 1821 Series  
USSR Industrial Affairs

UNKNOWN  
//HASHPRINTORG//  
--/--/1973,V----,H----,  
Radar meteorological stations "meteor" and  
"meteorite",  
pp 1-27,AIR/FTD-HT-23-915-74@

L. Kh. Freidlin

Manufacture of guaiacol by catalytic  
dehydration of pyrocatechol-methanol mixture.  
MASLOBOINO-ZHIROVAYA PROMYSHELENNOST, Vol 26,  
No 10, pp 24-27, 1960  
NTC 72-15182-07C

mar 73



V. Z. Sharf

Synthesis of ethyl ethers of pyr catechol  
and resorcinol from their phenolates and  
ethyl chloride.

MASLOBOINO-ZHIRVAYA PROMISLENNOST, Vol 28,  
No 4, pp 35-37, 1962  
NTC 72-15181-07C

mar 75

*Beloborodov, V. V.*

*Complex conversion of vegetable oil stock in Aqueous Media.*

*MASLOBOINO-ZHIROVAYA PROMYSHLENNOST, Vol 30, No 8, 1964,*

*pp 5-8*

*NTC 73-22063-02A*

Goldovskiy, A. M.

*The effect of individual technical operations on oil coloration during the processing of sunflower seed.*

MASLO-ZHIROVAYA PROMYSHLENNOST, Vol 36, No 10, 1970,  
pp 13-17

NTC 73-13936-02A

Recommendations to improve sunflower oil, by  
A. I. Rabota, 8 pp.  
RUSSIA, per, Naslo-Shirovaya promyslenost',  
Moscow, no 2, Feb 1973, pp 3-11.  
Jrks 58574

Apr 73

Results of the Operation of the ...  
Industry in 1977 Described, ... Kirovsk, ...  
22 pp.  
RUSSIAN, per, Maslo-...  
Moscow, No 1, Apr 1977, ...  
JPRS 59081

May 73

Belan, G. A.

Industrial Handling of Sunflower Seeds for Oil  
Urged.

5 pp

MASLO-ZHIROVAYA PROMYSHLENNOST'. Moscow, No 10,  
Oct 1973, pp 3-5.

JPRS 60624

Goncharov, V. L.

Analysis of USSR rat Consumption Patterns presented.  
5 pp

MASLO-ZHIROVAYA PROMISHLENNOST', Moscow, No 12

Dec 1973, pp 1-3.

JPRS 61117

Lazgon, L. L.

Ways to develop the soap-making industry.

9 pp

NASLO-ZHIROVAYA PROMISLENNOSTI, Moscow, no 1,

Jan 1974, pp 1-6.

JPRS 61401



Buryakov, Yu, P.

Status of Oil-Producing Plants in 1975.

6 pp

MASLO-ZHIROVAYA PROMYSHLENNOST'. Moscow, No 5, May

1974, pp 6-9.

JPRS 62216

MINEVICH, F. N.  
//MASLO-ZHIROVAYA PRO.YSHLENNOST'//  
--/08/1974,V----,N----, pp 0029..0032  
Plants' Socialist Obligations Fulfillment Reviewed  
6 pp  
JPRS 63845  
#

Prokopenko, P. T.

Raising Efficiency in Utilization of Resources

6 pp

НАСИО-ЗЕИНОУАА ПРОМШЛЕНОСИ, Moscow, 1974

74, pp 1-6.

JPRS 63734

Domotenko, S. I.

Lubricating systems of gas turbine engines. 136 pp  
NASLYANNYE SISTEMY GAZOTURBINNYKH DvigatELey, 1972,  
pp 1-94  
AIR/PTD-MI-24-665-73

S. Watanabe

Study of a non-narcotic analgesic, AP-237,  
clinical application to general anesthesia.  
MASUI, Vol 19, pp 528-534, 1970  
NTC 72-15223-060

mar 73

Fomin, V.N.

MATEMATICHESKAYA TEORIYA PARAMETRICHESSKOGO  
REZONANSA V LINEIYKH RASPREDELENNYKH SISTEMAKH  
(Mathematical Theory of Parametric Resonance in  
Linear Systems with Distributed Parameters) Leningrad  
University, 1972 240 pp BOOK

\*IPST 8 May 1973

July 1973

Likhosherstnykh, S. V.

Tides as an Energy Factor in the Geosocial  
Activity of the Moon.

8 pp

MATEMATICHESKIYE METODY I SLOJIBI, Alma-Ata.

No 2, 1971/1972, pp 104-110.

JPRS 59895

PECHERSKII, YU.N  
//MATEMATICHESKIYE METODY V MIKROPALAEONTOLOGIYI//  
--/--/1972, V-----, N-----  
Unknown,  
105 pages, \*USGS Library, National Center, Reston00



PECHERSKII, IU.  
//MATEMATICHESKIE METODY V MIKROPALAEONTOLOGY//  
--/--/-----, V-----, N-----,  
Mathematical methods in micropaleontology  
pp 105 U.S. GEOLOGICAL SURVEY LIBRARY ON LOAN  
NATIONAL TRANSLATIONS CENTER#

Mathematical Models and Educational Planning,  
by M. A. Bermant, L. K. Semenov, 38 pp.  
RUSSIAN, bk, Matematicheskiye Modeli i Plani-  
rovaniye Obrazovaniya, Moscow, 1972, 112 pp.  
JPRS 58793

Apr 73

Shamanov, I. V.

Method for realizing functions of a program-time device  
on a high-speed computer used in a system for control-  
ing the equipment aboard space craft      16 pp

MATEMATICHESKIYE METODY MODELIROVANIYA V KX NICHESKIKH  
ISSLEDVOANIYAKH, 1971, pp. 22-38

HR/ED-HT-23-313 -24

Uncl (JPRS--60546)      30 Jan 74  
planning, development, and use of energy systems.  
PADALKO, L.P.      15 Nov 1973.      Translated from  
Matematicheskie metody optimizatsii planirovaniya  
razvitiya i ekspluatatsii energosistem. Izdatel'stvo  
Vysshayshaya Shkola, Minsk, 1973.      158p.      077001

108 energy sources; 12 mathematical translations  
MN-13      NP      NSA

Revised



Pukhov, G. Ye.

The possibility of construction of an algorithmic  
general-purpose hybrid computer. 10 pp

MATEMATICHESKOYE MODELIROVANIYE I TEORIYA ELEKTRICHESKIKH

TSEPEY, No 9, 1971, pp 3-9

AIR/PTD-HT-23-319-74

REQ TR CHECK

20-5-74

TR11

THE HYBRID COMPUTER "SFYM" FOR THE CALCULATION  
OF ENGINEERING CIRCUITS

BORKOVSKIY, B A

UR: BOOK - MATHEMATICAL MODELING AND THEORY  
OF ELECTRIC CURRENTS, 1973, V. 11.

NO 75-82      МАТЕМАТИЧЕСКОЕ МОДЕЛИРОВАНИЕ И  
ТЕОРИЯ ЭЛЕКТРИЧЕСКИХ ТЕРЕН

*In Progress*

*FTD AT 73-2003 24*

REC TR CHECK                      20-5-74                      TR12

THE BLOCK OF OPERATIVE ANALOG MEMORY OF A  
SPECIALIZED ANALOG COMPUTER  
LYASHUK, YE T  
UR: BOOK MATHEMATICAL MODELING AND THEORY  
OF ELECTRIC CURRENTS, 1973. VOL 11. PP 164-165  
MATEMATICHESKOYE MODELIROVANIYA I TEORIYA  
ELEKTRICHESKIKH TSEPEY

*In Progress*

*FTD-HT-23-204-74*

Yu. P. Krivenkov

Mathematical and computational problems in linear  
dynamic programming. 190 pp.

MATEMATICHESKIYE I VYCHISLITEL'NYYE VOPROSY LINEYNOGO  
DINAMICHESKOGO PROGRAMMIROVANIYA, 1969

NASA TT F 685-73

apr 73



Hans Harsch

The Fourier coefficients of the Eisenstein  
series of the second degree      3<sup>d</sup> p  
MAT.-PHS. RECD., HOL. DAN VIDVIST. SERIE. 1964  
pp. 3-24      U. 34, No. 7  
NASA TT F 14937

Hans Maas

On the fourier coefficients of the second  
degree eisenstein series  $A_6$

NAT.-PHS. MEDD., NPL. ENV. VISIONAL. P. 1972

pp. 2-12

v 35, No 11-78

NASA TT P 14936

PECULIARITIES OF ICING OF A HELICOPTER

MARFEL<sup>1</sup>, V. R.      LANGUAGE-RU      COUNTRY-USSR

MATEMAT. METODY V GEOGRAFI., Z-LE VSESELYUZ. SVY  
ESHCH. KAZAN<sup>1</sup>, 5/ '71, 172-74

FSTC-HT-23-0964-74

KERNER-GANG, W.  
//MATERIAL UND ORGANISMEN//  
--/--/1965, V0001, N----,  
Experiments on the Selection of Suitable Fungi  
for Testing the Mold Resistance of Materials,  
pp 35-73, NTC 74-10620-06000

Francke-Großmann, Helene

MATERIAL UND ORGANISMEN, Vol 1, 1961, pp 503-522

\*NTIS-TT-74-53349

Becker, Gunther

MATERIAL UND ORGANISMEN, Vol 3, No 3, 1968  
pp 229-240

\*NTIS-TT-74-53356

Becker, Gunther

MATERIAL UND ORGANISMEN, Vol 2, 1969, pp 29-41

\*NTIS-TT-74-53365

Lenz, Michael

MATERIAL UND ORGANISMEN, Vol 4, No 2, 1969, pp  
pp 109-122

\*NTIS-TT-74-53351



Pejoski, Branislav

The Termates of Yugoslavia

MATERIAL ORGANISMS, Vol 4, 1989, pp 71-7

\*NTIS-IT-74-55055

Becker, Gunther

MATERIAL UND ORGANISMEN, Vol 5, No 2, 1  
pp 129-157

\*NTIS-77-74-53369

Gotthard, G.

Contributions to the characterization of  
vinyl copolymer latexes. Part I. A method  
of determining the stability of latexes.

MATERIALE PLASTICE, 1965, pp 383-385, v. 2,  
n. 6.

NTC 73-12327-11J.

Ungureanu, C.

Electro-initiated polymerization of vinyl monomers. Part II. Electrocid electrochemical processes, New sources of radical and ion initiators of polymerization reactions.

MATERIALE PLASTICE, 1967, pp 174-178, v. 4, n. 4.

NTC 73-12021-111.

Vlad, M.

Study of some secondary products in the  
synthesis of polyethylene terephthalates.  
MATERIALE PLASTICE, 1971, pp 407-409, v. 8,  
n. 8.  
NTC 73-12159-07C.

Fifty Years of Soviet Economic Development  
Reviewed, 19 pp.  
RUSSIAN, per, Material'no-Tekhnicheskoye Snab-  
zheniye, Moscow, No 12, 1972, pp 8-21.  
JPRS 58774

Apr 73

Better Fuel Consumption Practice Urged, by  
V. Derbenev, 5 pp.  
RUSSIAN, per, Material'no-Tekhnicheskoye  
Snabzheniye, Moscow, No 4, 1973, pp 38-41  
JPRS 59128

Zherzdev, A.

Redistribution of Material and Equipment Surpluses  
in Moscow Described.

c pp

MATERIAL'NO-TEKHNICHESKOYE SNAZHENIYE, Moscow,  
No 9, 1973, pp 3-9.

JPRS 61065



Regulations Governing Cotton Product Deliveries  
Issued.

12 pp

MATERIAL'NO-TEKHNIЧЕСКИЕ СНАБЖЕНИЕ, Moscow,  
No 9, 1973, pp 89-95.  
JPRS 60909

Kushchidi, V.

Production and Management Improvement in the  
Cement Industry.

7 pp

MATERIAL'NO-TEKHNIЧЕСКОYE SNABZHENIYE, Moscow,  
No 11, 1973, pp 33-38.

JPRS 60934

Sharonov, k.

Acquiring Sets of equipment for Investor Enterprises.

7 pp

MATERIAL'NO-TEKHNICHESKOYE SNAZHENIYE, Moscow,

No 11, 1973, pp 38-43.

JPRS 60926

Sidorov, A.

Reduction of Material-Intensity Factor in  
Production Discussed.

13 pp

MATERIAL'NO-TEKHNICHESKOYE SNABZHENIYE, Moscow.

No 2, 1974, pp 23-32.

JPRS 61513

Voronin, S.

Introducing Computers into All Levels of National  
Economy.

6 pp

MATERIAL'NO-TEKHNIЧЕСКОЕ СНАБЖЕНИЕ, Moscow, No 4,  
1974, pp 31-35.

JPRS 62796

Sonin, I.

Organization of Production Associations' Marketing  
Services Described.

16 pp

MATERIAL'NO-TEKHNICHESKOYE SNAZHENIYE, Moscow,  
No 4, 1974, pp 57-69.

JPS 62801

Moskvin, V.

Utilization of Secondary Energy Resources.

6 pp

MATERIAL'NO-TEKHNIЧЕСКОЕ СНАБЖЕНИЕ, Moscow,

No 5, May 74, pp 58.

JPRS 62909

Aurotchenko, V.

Tasks, Progress of Automated Supply Control System.  
20 pp

MATERIALNO-TEKHNIЧЕСКОЕ ОБОЗРЕНИЕ, Moscow,  
No 6, 1974, pp 3-10.

JPRS 62564



Lapchenko, Yu.

Automated Material Resource Planning Described.

6 pp

MATERIAL'NO-TEKHNIЧЕСКОЕ ОБРАЗОВАНИЕ, Moscow,

no 6, 1974, pp 24-29.

JFKS 62564

Non-Mineral Construction Materials.  
5 pp

MATERIAL'NO-TEKHNICHESKOYE SNAJZENIYE, Moscow,  
No 6, 1974, pp 43-45.  
JPRS 62806

SELEVA-SWIKIT, V.  
//MATERIAL'NO TEKHNIЧЕСКОЕ ОБРАЗОВАНИЕ//  
--/--/1974, V-----, 00007,  
Supply of Ukraine's local industry considered, 8 pp  
PP 40-45, JPRS0299611

Hirman, A.

Relationship of Material Stock and Money Circulation.  
3 pp

MATERIAL'NO-TEKHNIЧЕСКОЕ ОБРАЗОВАНИЕ, Moscow,  
No 7, 1974, pp 3-5.

JPRS 52897

Mikalyunas, L

Management of Lithuanian supplies and assets.

4 pp

MATERIAL'NO-TEKHNICHESKOJE UNAPREDENIJE, MOSKVA,

No 7, 1974, pp 49-51.

JPRS 62897