

Lapchenko, Yu.

Automated Material Resource Planning Described.

6 pp

MATERIAL'NO-TEKHNICHESKOYE SNABZHENIYE, Moscow,
no 6, 1974, pp 24..28.

JPRS 62564

Non-Mineral Construction Materials.

5 pp

MATERIAL'NO-TEKHNICHESKOYE SNABZHENIYE, Moscow,

No 6, 1974, pp 43-45.

JPRS 62806

SELIWANOVSKIY, V.
//MATERIAL'NO TEKHNICHESKOYE SHABZHENIYE//
---/1974, V---, #0107,
Supply of Ukraine's local industry considered, 8 pp
pp 40-45, JPRS62996#1

Birman, A.

Relationship of Material Stocks and Money Discussed.
8 pp

MATERIAL'NO-TEKHNIЧЕСКОY: SNABZHENIYE, Moscow,
No 7, 1974, pp 3-8.

JFRS 62897

Mikalyunas, L.

Management of Lithuanian Supplies Discussed.

4 pp

MATERIAL'NO-TEKHNICHESKOYIN SNABZHENIYE, Moscow,
No 7, 1974, pp 49-51.

JPRS 62897

Fetrov, G.

Supplying Tyumen' Construction Discussed.

4 pp

MATERIAL'NO-TEKHNICHESKOYE SNAEZHENIYE, Moscow,

No 7, 1974, pp 70-73.

JPRS 62897

Mukhin, B.

Technical Policy in Warehouse work Discussed.

8 pp

MATERIAL'NO-TEKHNICHESKOYE SNAEZHENIYE, Moscow,

No 7, 1974, pp 74-79.

JPRS 62897

Demichenko, A.

Improved Warehouse Planning Analyzed.

5 pp

MATERIAL'NO-TEKHNICHESKOE SNABZHENIYE, Moscow,

No 7, 1974, pp 79-82.

JPRS 62897

Procedure for Evaluating Delivery Work Outlined.
5 pp

MATERIAL'NO-TEKHNICHESKOYE SNAEZHENIYE, Moscow, No 7,
1974, pp 93-96.
JPRS 62897

UNKNOWN

//MATERIAL NO-TEKHNIЧЕСКОYE SNAEZHENIYE//

--/08 1974, N----, N0008, pp 0003-0007

Prospects of Nonchernozem Land 6 pp

JPRS 63776

#

KASIMOV, I.

//MATERIAL'NO-TEKHNICHESKOYE SNAEZHENIYE//

--/09/1974,V-----,N0009, pp 0018-0021

Economies in Metal Through Efficient Shapes 9 pp

JPRS 63807

#

KELLER, A.

//MATERIAL' NO-TEKHNICHESKOYE SNABZHENIYE//

--/11/1974, V----, NO011, pp 0042-0049

On Supplying Petroleum Products Through the
Mechanism of an Association 11 pp

JFRS 63800

#

Bollenrath, F.

X-ray measurement of stresses in torsion bars
of various steels.

MATERIALPRUFUNG, 1967, Vol.9, No.11, pp.406-

411.

qBISI 11311

WUESTENBERG, H.

//MATERIALPRUEFUNG//

--/--/1969, VOLL, N0009,

Determination of Directional Characteristics of
Angle Probes for Ultrasonic Testing on the Reference
Block according to Din,
pp 311-315, NEC 74-10237-14B00

Withdrawn

Rudolphi, R.

Calculation of fire-resistance of steel structures - standard fire and natural fire.

MATERIALPRUEFUNG. Vol.12, No.9, Sept. 1970,

pp.304-306.

BISI 8875

Constantinescu, A.

Definition of a New Linear Parameter for the Extrapolation of Creep Rupture Test Data

MATERIALS, 1971, May 13, (5), pp 157-162

BISI 11497

Werneyer, R.

Reflection of ultrasonic waves from surface cracks
and notch-shaped reference defects. Part 1. Intro-
ductions and models

MATERIALFORSCHUNG, v. 13, 1971, pp. 213-218

HB-8626

Koch, K.H.

Spectrometric Method for Testing Steels and
Non-Ferrous Metals.

MATERIALPRUF, 1971, Vol.13, No.7, July, pp.225-
229.

BISI 11379

Wustenberg, H.

Study concerning the half-value depth of reflecting
zones in ultrasonic testing
MATERIALPRUFUNG, Vol 13, No 10, pp 329-335, 1971,
Materials Suppl No 50
C.E. Trans 5993

may 73

Wuestenberg, H.

Notches and edges as reference defects in ultrasonic testing.

MATERIALPRUEFUNG, Vol. 14, p. 58-61, 1972

HB-8655

may 73

Vlad, C. M.

Method for Determining the Anisotropy Constants
for Evaluating the Deep Drawing Behaviour of Low-
Carbon Sheet Steels

MATERIALPRUFUNG, 1972, Vol. 14, No. 6, pp 179-82

BISI 10906

Spitzner, J.

Planning and evaluation of fatigue tests on
ribbed reinforcing steels.

MATERIALPRUFUNG, 1972, Vol.14, July, pp.205-
212.

FBISI 11346

11-Sep-73

Uncl (ORNL-tr--2709) Two methods for calculating the rotational capacity of plastic hinges in reinforced concrete structures under bending. EIFLER, H.; PLANK, G. Translated from *Materialprüfung*; 14: No. 9, 256-259(1972). 12p. Dep. NTIS \$3.00.

13 engineering; 13M structures; translations
MH-38 P NSA

Michalski, F.

Development and Present State of the Nondestructive Testing of Semi-Finished Products.

MATERIALPRÜFUNG, Vol.14, 1972, No.10, pp.329-334.

HB 8901

Kolb, K.

Resolution of defect depth of angle search probes
for ultrasonic inspection.

~~MATERIAL PERFORMANCE~~, 1972, p. 349-352, v. 14, n. 10.

HB-8904

Measurement of Surface Temperatures by Means of an
Infrared Camera - Examples of Application in Nondestructive
Testing, by B. Böttcher.
MATERIALPRÜFUNG, Vol. 14, 1972, No 10, pp 352-353.
HB-8976

April 73

Berner, K.

Simple Testing for an Efficiency of Defect Indication of 100% for Ultrasonic Plate and strip Inspection.

MATERIALPRUEFLUNG, 1973, Vol.5, No.2, pp.48-9.

BISI 11553

SCHLENGERMANN, U
//MATERIALPRUFUND, //
--/--/1973, V0015, N0002
Contribution to the ultrasonic determination
of defect size by the relative threshold
scanning method
pp 50-56 HB9171##

Weber, H. P.

Continuous Eddy-Current Testing of Fretz-Moon
Tubes at 1000°C.

MATERIALPRUFUNG, vol. 15, 1973, No.2, pp.56-59

HB 8994

Schmidtman, E.

The effect of strain rate on the characteristics values of the linear-elastic fracture mechanics determined on large and small specimens.

MATERIALPRUFUNG, Vol.15, 1973, pp.73-81, No.3.

FBI 11766

Use of the Electric-Potential Method for Measuring
the Growth of a Fatigue Crack, by U. Betz.

MATERIALPRUFUNG, Vol 14, 1973, No 3, pp 73-77.

HB-8813

April 73

Spath, W.

New Characteristics for Researches into Fatigue.

MATERIALPRUFUNG Vol. 15, 1973,

No. 1, pp. 23-26

HB 8989

SCHLENGERMANN. U.

//MATERIALPRUFUNG//

--/--/1973, V0015, N0002

Study of the ultrasonic flaw size estimation
by the scanning method with relative threshold
pp 50-56 C. A. Parson Trans TD 5159##

FATIGUE TESTING OF METALS AT ULTRASONIC FREQU
ENCY

KRUMP KARL WEIS LANG JAGE-GE COUNTRY-GW

MATERIALPRUEFUNG 15 1973 NO 9 SEPTEMBER PP 29
7-302 42

FSTC-HT-23-0835-74

Mondot, J.

Ultrasonic Examination of High-Frequency-Weld-
ed Pipe.

MATERIALPRUFUNG, Vol.15, 1973, No.10, pp.344-
345.

HB 9278

Siebel, E.

Investigations on the Strength of Corroged
Tube Compensation Bellows.

MATERIALPRUFUNGSANSTAFF AN DER TECHN HOHSCHULE
STUTTGART. P 49.

HISI 12002

GERMAN

CSO: 8120/0004

3 July 1974

The Material Supply System of the Armed Forces

Bonn, Die Materialwirtschaft der Bundeswehr,
October 1973

Special type B

Do not publish

Single spaced draft plus one

MATERIALS FOR LACQUER AND PAINT COVERINGS

GOL'DBERG, M. P. LANGUAGE-RU COUNTRY-RU

MATERIALY DLYA LAKOKRASOCHNYKH POKRYTIY

MOSCOW, KHIMIYA, 1972, 344PP

AIZA/
FSTC-HT-23-0266-74

Data of Glaciological Studies:
Chronicle Discussions

MATERIALY GLASIOLOGICHESKIH ISSLEDOVANI
(KHRONIK OBSUZHDENIYA) Jan 19⁵³, 295 pp

*NTIS-TT-74-55029

Brochure Describes Role and Tasks of Civil Defense
in a Nuclear Missile War, by V. A. Pomortsev, 12 pp.
RUSSIAN, per, Materialy Po Grazhdanskoy Oborone,
Frunze, 1970, pp 1-15, 78.
JPRS 59317

June 73

Kleyenberg, S.E.

Data from a Study of the White Whale Distribu-
tion in the Northern Seas of the USSR.

MATERIALY K IZUCHENIYU RASPREDELENIYA BELUKHI
V SEVERNYKH MORYAKH SSSR, PINRO, Vol. 12,

1960, pp.127-145.

NOO TRANS 539

MATERIALS IN MECHANICAL ENGINEERING: SELECTIO
N AND APPLICATION, VOL 5, NON-META

KUDRYAVTSEV, I. LANGUAGE-RU COUNTRY-UR

MATERIALY I MASHINOSTROYENII, VYBOR I PRIMEN.
, VOL. 5, NEMETALLICHESKIYE MATERI

MASHINOSTRO., M., '69, VOL 5 OF 5, PP 1-6, 17
-53, 130-141, 156, 392-522.

FSTC-HT-23-0539-74

Negreyev, V.F. et al

Corrosion Inhibitors in a Liquid Hydrocarbon-
Aqueous Solutions System and Prospects of their
Practical Application.

MATERIALY NAUCHNAYA KONFERENTSIYA, BAKU, 1967,

pp.81-87.

FSTC-HT-23-1491-77

ACSI K-2078

Mozgovoi, A.A.

MATERIALY K NAUCHNOI KONFERENTSI VSESOUZNOGO
OBSHCHESTVA GELMINTOLOGOV, Vol 1, 1965,
pp 154-159

*NTIS-TT-74-53286

Mozgovoi, A.A.

MATERIALY K NAUCHNOI KONFERENTSII VSESOUZNOGO
OBSHCHES'TVA BEL'MINTOLOGOV, Vol 4, 1965
pp 169-174

*NTIS-TT-74-53284

BELOZEROV, B. S.
//MATERIALY KONFERENTSI I PO KRAYEVYM ZADACHAM
PUB. KAZANSKOGO UNIV, //
---/--/1970, V----, N----,
A problem in wave motion of an incompressible vis-
cous fluid in finite depth, 5 pp
pp 31-35, ARM/FSTC/Ht-23-2592-7200

Berger, T. S.

Distribution of Cod in the Barents Sea in 1967

MATERIALY RYBOKHOZYAYSTVENNYKH ISSLEDOVANIY

SEVERNOGO BASSEYNA, Vol. 14, Murmansk 1970.

pp.3-13.

NOO TRANS 577

NOSSOVA, YE. K.

//MATERIALY RYBOKHOEYALISTVENNYKH ISSLEDOVANIY
SEVERNOGO BASSAYNA//

---/--/1970, VOOI, F-----,

Features of Euphausiid distribution in the Barents
Sea in Autumn and Winter 1967-1968,

pp 96-111, NAVY NOO T-6

Formerly listed as NOO trans 579##

RUSSIAN

CSO: 8144/0428

3 September 74

Samizdat Materials by A. Vasil'yev

USSR, Materialy' Samizdata, 5 July 1974

~~Please publish~~

*Special Type A
Do not publish
Copy 4 I.*

RUSSIAN

CSO: 8044/2221 W
25 Apr 73 SF

Materials of the Ukrainian national front.

Materialy Ukrainskogo Natsional'nogo Fronta s
Soyuzskoi Ukrainiy, pp 1 & 2.

Spec type A

Do not publish

Translator's draft plus one copy.

TR CHECK

22-04-74

21X TOC3

ESTIMATE OF SEISMIC STABILITY OF SUSPENDED
STRUCTURES BY STATISTICAL METHODS

KARIMOVA, R KH

UR: MATERIALY K VSESOYUZNOMU SOVESHCHANIYU.
PO PROYEKTIROVANIYU I STROITEL'STVU
SEYSMOSTOYKIKH ZDANIY I SOORUZHENIY, 1971,
pp. 155-174

In process
47-23-2388-74

Ponomarenko, I. M.

1971

Prospects for long-range forecasting of the size of the commercial stock and the efficiency of trawling for cod three years in advance (O vozmozhnosti dolgosrochnogo prognozirovaniya shislenosti promyslovogo stada i proizvoditel'nosti tralovogo promysla treski s trekhletnei zablagovremennost'yu) Materialy rybnokhoziaistvennykh issledovani Severnogo bassein. 16(11). Polinarnyi nauchno-issledovatel'skii i proektnyi institut morskogo rybnogo khoziaistva i okeanografii im. N.M. Kripovicha (PIKRO), Murmansk, 255p.: 91-106. In Russian.

Transl. by IPST for NMFS, Jan. 1973, 12p., typescript.

Avail. on Loan - NMFS, Wash., D.C.

Original Article Located **NC**

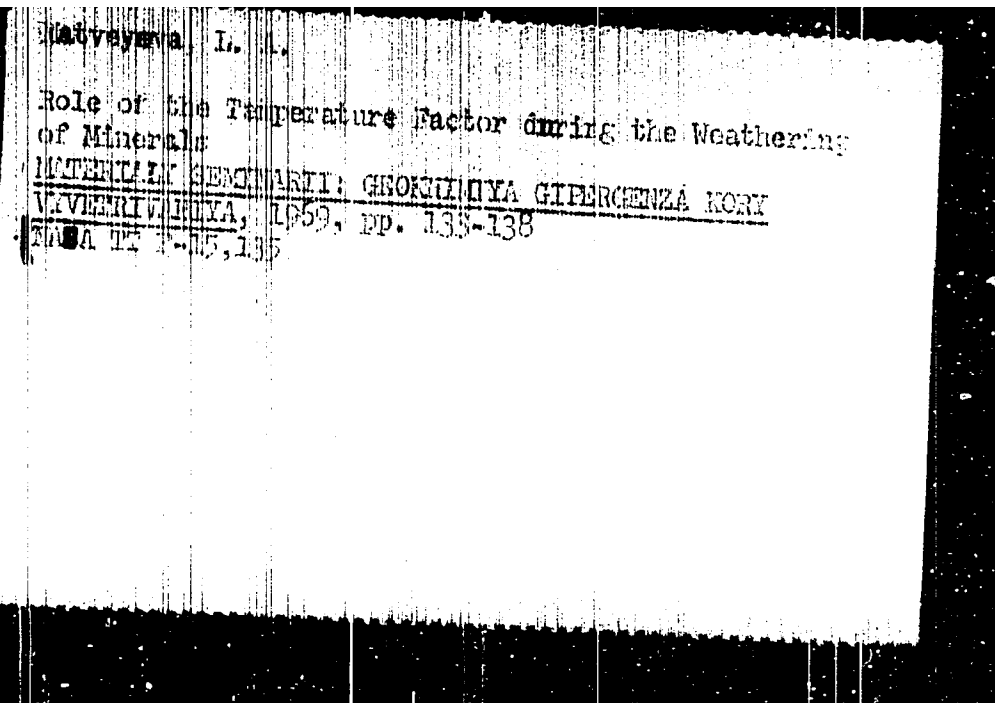
Zlobin, V.S. and Yu A. Zhilin 1970
Kinetics of phosphate consumption by phytoplankton of
Norwegian Sea and problems of simulation of mineral ex-
changes (Kinetyka potrebleniia fosfatov fitoplanktona
Norvezhskogo morka v voprosy modelirovaniia mineral'nogo
obmena)

Materialy rybnokhoziaistvennykh issledovanii Severnogo
basseina (N. Vichurkova, editor), 16 (part 1), Poliarnyi
nauchno-issledovatel'skii i proektnyi institut morskogo
rybnogo khoziaistva i okeanografii im. P.K. Erpovicha
(INRC), 259p.: 218-227. In Russian.

Transl. by JFSF for NIES, Dec. 1972. 8p., typescript.

Avail. on loan - NIES, Wash., D.C.

Original Article Checked *MS*



Sokolova, Ye. I.

Role of Fulvic Acids during the Weathering of Silicate Minerals

МАТЕРИАЛЫ СЕМИНАРИИ: ГЕОХИМИЯ ГИДРОГЕНЕЗА КОРИ

ВИВЕРИВАНИИ, 1969, с. 162-171

МССА. III 15, 134

Bikbulatova, E.M., E.A. Skopintsev, and 1969
E.S. Bikbulatov

Analysis of the total organic carbon in fresh waters by
the photochemical method (Opredelenie valovogo organicheskogo
ugleroda v presnykh vodakh fotokhimicheskimi metodami)
Materialy k sovpahchaniyu po prognosirovaniyu soderzheniya
biogennykh elementov i organicheskogo veshchestva v
vodokhranilishchakh, Inst. biologii vnutrennikh vod, Akad.
Nauk SSSR, Rybnik: 140-146. In Russian.

Transl. by Transl. Serv., Egn. Lang. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., FRBC Freshwater Inst.,
Winnipeg, Man., 1973, as Transl. Series No. 2597, 20p.,
typescript.

Avail. on Loan - NCFE, Wash., D.C.

Original Article Checked. *MR*

NON-METALLIC MATERIALS

BRUMAK N. G.

LANGUAGE-RU

COUNTRY-UR

MATERIALY I TEKHNOLOGIIA MASHINOSTROENIIA 197
2 PP. 52-54

FSTC-HI-23-1553-73

8344/0724

12 Oct 1973

1. Wlashchik, V.S.

Molecular Mechanisms of the Biological Effect
of Microwaves

2. Sholokhov, S.V.

Functional Communication Between Energy Structures in
the Body and the Functions of the Digestive System
of the Body During Exposure to Microwaves

MATERIALY VTOROY VSESOYUZNOY KONFERENTSII PO
EKSPERIMENTAL'NOY KURORTOLOGII I FIZIOTERAPII 1970

1. pp 217-220

2. pp 264-270

BRIGHAN, R. J.
//MATERIALS ET TECHNIQUES//
--/03/1974, Y0083, N-----,
Influence of molybdenum on the resistance to
corrosion by pitting and crevice of austenitic
stainless steels,
pp 127-135, *NASA TT F 159518#

DEFRANCOIS, J. M.
//MATERIAUX ET TECHNIQUES//
--/03/1974, VOONZ, E-----

On the mechanism of the influence of additions of
Molybdenum on the resistance to corrosion of
austenitic stainless steels,
pp 137-146, *NASA TR # 159501*

Fiorenza, A. et al

Identification of Antioxidants, Accelerators,
and Plasticizers in Rubber Mixes by Column
Chromatography and Ultraviolet and Infrared
Spectrophotometry.

MATERIE PLASTICHE Vol.31. No.10, pp.1045-50.
1965.

A.T.S 1580-GJ

T. Garlanda

Toxicological considerations regarding
constituents of plastic materials.
MATERIE PLASTICHE ED ELASTOMERI, Vol 30, pp 298-
303, 1964
NTC 72-15235-06T

mar 73

Fiorenza, A.

Identification of antioxidants, accelerators, and
plasticizers in rubber mixes by column chromatography
and ultraviolet and infrared spectrophotometry.

MATERIE PLASTICHE, Vol 31, No 10, 1965, pp 1045-1050

ATS 1580-IJ

Mortillaro, L.

*Poly-p-Xylylene, a new organic resin with high heat
resistance.*

MATER. PLAST. ELASTOMER., Vol 32, No 7, 1966,

pp 745-748

ATS 1585-IJ

M. RUSSO

A new Class of Stepladder and Ladder Polymers:
The Polyimazopyrrolones.

MATERIE PLASTICHE ED ELASTOMERI, Vol 33,
pp 1167-1171, 1957.

NTC 73-10294-07C

Mar 73

Nughes, G.

Two Revolutionary Systems For The Preservation
Of Sterilized Foodstuffs. 5pp

Materie Plastiche ed Elastomeriche No.35, pp.
111-113.

FSTC-HT-23-1443-72

ACSI K-1997

Russo, M,

Super Fibres of Polyamides on an Industrial
or Semi-Commercial Scale 23 pp

MATERIE PLASTICHE ED ELASTOMERI Vol 38, No 4, 1972
pp 315-323

GB/DEFDRIC/TRAN-3216-73

Neumann, J.V. 1928
Theory of games (Sur Theorie der Gesellschaftsspiele)
Mathematische Annalen, 100: 1-26. In German.

Transl. by Transl. Eur. Reg. Lang. Div., Dept. of Sec. of
State of Canada, for Dept. of Environ., FWS Freshwater Inst.,
Winnipeg, Man., 1975, no transl. Series No. 2009, 48p.,
typescript.

Avail. on loan - NPS, Wash., D.C.

Original Article Checked *JK*

Koecher, M.

On the Operator Theory of n -TH Degree Modular Forms
MATH ANN. (Leipzig) v. 130, 1956, pp 351-368
NASA ET F-15006

Herrmann, O.

*Subalgebra Modular Functions and Dirichlet
Series with Euler Products*

~~Mathematische Annalen~~
MATHEMATISCHE ANNALEN, vol. 127, pg. 357-400, 1954

NASA TT F-15, 1983

Agency: Air Force
P.O. #: ARL 72-0001 72-1013
Title: LIMESRAUME.
Author: H.R. FISCHER. Math. Annalen, Bd.137.
Pages 269 - 303. 1959.
Language: German to English.
Special Instructions: Please translate and
type one copy.

412c/c237
11/17/73

Agency: Air Force
P.O. #: ARL 72-0001 72-014
Title: Die lines-uniformisierbarkeit der
linearraume.
Author: H.A. Keller
Source: MATH. ANNALEN 176, 334-341. 1963.
Language: German to English
Special Instructions: Please translate and
type one copy.

4120/0280
23 Apr 73

RUSSIAN

CSO: 8344/0773
18 October 1973

Mathematical Methods of Optimal Planning, Development and Use of Energy Systems, by L.P. Padalko

Minsk, Mathematicheskiye Methody Optimalnogo Planirovaniya Razvitiya i Eksploatatsii Energosistem, 1973, entire book 199 pp

Please publish and include all reproductions and formulas. Do not clip doc.

Please furnish JFRC/As Hoc with 6 copies of report.

T/D: 14 Nov 1973

27-Feb-74

Uncl (BNL-100-551) Numerical method of solving two-
dimensional and three-dimensional diffusion equations.
BULEEV, N.I. Translated by S. J. Amoretty from Mat.
Sb.; 51; No. 2, 227-238(1960). 33p. Dep. NTIS \$3.75.

12 mathematics; 18K reactor physics; translations
MN-80 P N3A

Gebauer, O.

WATH, -NATUR, REIHE, No 1, 1953, pp 79-83

*NTIS-TT-74-53192

Unger, K.

*State density characteristics of heavily doped and
mixed semiconductors.*

LEIPZIG. KARL-MARY UNIVERSITÄT. WISSENSCHAFTLICHE
ZEITSCHRIFT. MATHEMATISCH-NATURWISSENSCHAFTLICHE REIHE.

Vol 20, No 1, 1971, pp 93-101

NTC 73-13756-20L

Ackermann, D. A.

Applications of Luminescent and Laser Diodes in
Information and Data Processing

LEIPZIG, KARL-MARX-UNIVERSITÄT. WISSENSCHAFTLICHE
ZEITSCHRIFT FÜR MATHEMATISCH-NATURWISSENSCHAFTLICHE REIHE.

v. 20, n. 3, 1971, p. 375-376

HTC 73-11855-05E

Agency: U.S.A.F. Aerospace Research Labs. ~~SECRET~~
MIPR: FY 89947500066 Call ltr. FY 75-10.

8/10/2777
3. 11

Title: A characterization of the normal distribution
by means of order statistics.

Author: L.B. KLEBANOV.

Source: MATHEMATICHESKIE ZAMETKI 13, 121-124, 1973.

Special Instructions: Translate and type one copy.
RUSSIAN-ENGLISH.

KHARAKTERISTSIYA NORMAL'NOGO RASPREDELENIYA
SVOBSTVOM ~~PERVAK~~ PORYADKA VYKH STATISTIK

Moroccan Information Minister Welcomes
Opposition Press, 3 pp.
FRANCE, np, Le Matin, Casablanca, 4 Apr 73,
pp 1, 3; 5 APR 73, p 4.
JPRS 58931

May 73

King Addresses Development and Planning
Council, 7 pp.

LE MATIN, Rabat, 22 May 73, p 5.

JPRS 59520

Jul 73

AUTOMATION IN PRINTING NEGATIVES OF VARYING D
ENSITY

MALOV, V. V. LANGUAGE-RU COUNTRY-UR

MAT. 8TH ZON. NAUCH.-METOD. KONF... (13-17 SE
PT. 1965), IKRVTSK, '65, 50

FSTC-HT-23-1754-73

Agency: U.S.A.F. Aerospace Research Labs. 4185/2731
MLPR: FY 89947500066. Call Ltr. 75-C8. #1 14 Feb 55

Title: The growth of the maximal summand in sums of independent random variables. (over)

Author: ~~O.O.~~ BOEROV.

UNCLASSIFIED

Source: Mat. Sb. Kievskogo Gosuniv, 5, 15-38, 1954.

Special Instructions: Translate and type one copy.

~~RUSSIAN~~ - ENGLISH.

GERMANY