

MARUASHVILI L. I.

27639. ZAKONMERNOSTI GEODEMETRICHESKOY RADIOTHA GO NYKA O PASTEN.
(SRI ECH. REL.) PRIGLA 1949, NO. 2, S. 16 - 24. — BIBLIOG.: 30 KALV.

SC: KNIZHAYA LETOPIS, VOL. 1, 1955

MARUASHVILI, L.I.

Principal problems of the late Cenozoic history of landscapes of Caucasia.
Geog. sbor. 1:5-24 '52. (MLRA 6:7)

(Caucasus--Geology) (Geology--Caucasus)

MARUASHVILI, L.I.

On the reputed Tsebel'da moraine and problems related to the
quaternary history of the Caucasus. Soob. AN Gruz. SSR 14 no. 7:
413-419 '53. (MLRA 7:5)

1. Akademiya nauk Gruzinskoy SSR Institut geografii im. Vakhushiti.
(Moraines) (Caucasus--Geology. Stratigraphic)

MARUASHVILI, L.I.

Georgian geographer of the 18th century, Vakhushti Bagrationi,
and his contribution to the study of the Caucasian isthmus. Vop.
geog. 31:111-122 '53. (MIRA 7:6)
(Bagrationi, Vakhushti, d.1772)

MARUASHVILI, L.I., kandidat geograficheskikh nauk.

The effect of weathering on the walls of a medieval temple. Priroda 41
no.7:115-116 JI '53. (MLRA 5:6)

(Georgia--Temples) (Erosion)

ASTAKHOV, N.Ye.; MARUASHVILI, L.I.

The TIANETI Basin of the Iora River as an example of morpho-
genesis during tectonic formation of river valleys. Soob.AN
Gruz.SSR 15 no.4:233-238 '54. (MLRA 8:5)

1. Akademiya nauk Gruzinskoy SSR, Institut geografii im. Vakhushti,
Tbilisi. Predstavleno deystvitel'nyy chlenom Akademii A.N.Dzhava-
khishvili.

(Iora Valley--Geology) (Geology--Iora Valley)

MARUASHVILI, L. I.

USSR/Geology - Lake formation

Card 1/1 Pub. 86 - 27/37

Authors : Maruashvili, L. I.

Title : The lake which disappeared

Periodical : Priroda 43/10, 115-116, Oct 1954

Abstract : The fact is cited that in the last century a lake still existed on the northern slope of the Gombor (Kakhetiya) range in Georgia, which has since turned into a swamp. An analysis is made of the natural factors involved in the appearance and disappearance of such lakes. Map.

Institution : ...

Submitted : ...

MARUASHVILI, L. I.

Surfaces of peneplanation in the Kakhetian (Gombori) Range in connection with its history. Soob. AN Grus. SSR 16 no.5:357-362 '55.
(MLRA 9:2)

1.Akademiya nauk Gruzinskoy SSR, Institut geografii imeni Vakhushiti, Tbilisi. Predstavleno deystvitel'nyy chlenom Akademii A.N.Dzhavakhishvili.
(Kakhetian Range)

MARUASHVILI, L. I.

USSR/Biology--Zoology

Card 1/1 Pub. 31/39

Authors : Maruashvili, L. I.

Title : ~~Maruashvili, L. I.~~
Deer's horns of Khevsuretian and Tushetian sancturaries

Periodical : Priroda 44/1, 117--118, Jan 1955

Abstract : The disappearance of certain mammals from the Caucasus region is traced through a study of the ancient sanctuaries where their remains are found. In these the horns of the deer and the aurochs indicate the existence of these animals which, with the growth of the population, were hunted to extinction.

Institution : Geographic Institute of the Georgian Acad. of Sc.

Submitted :

MARUASHVILI, I.I.; DZHAVAKHISHVILI, A.N., redaktor; PAATASHVILI, Sh.P.,
redaktor izdatel'stva; TODUA, A.P., tekhnicheskii redaktor

[Expediency of reconsideration of basic ideas concerning paleogeographic
conditions of the Ice Age in the Crimea; a critical sketch] TSeleso-
obraznost' peresmotra sushchestvuiushchikh predstavlenii o paleografi-
cheskikh usloviyakh lednikovogo vremeni na Kavkaze; kriticheskii
oчерk. Tbilisi, Izd-vo Akademii nauk Gruzinskoi SSR, 1956. 124 p.
(Crimea--Paleogeography) (MIRA 9:12)

MARUASHVILI, Levan Iosifovich; BOGOYAVLENSKIY, G.P., redaktor; DOSHKLEVA,
S.M., tekhnicheskiiy redaktor

[Vakhushti Bagrationi, his predecessors and contemporaries;
geographical works and travels] Vakhushti Bagrationi, ego pred-
shestvenniki i sovremenniki; geograficheskie trudy i puteshestviia.
Moskva, Gos. izd-vo geogr. lit-ry, 1956. 135 p. (MLA 9:9)
(Geographers, Georgian)
(Explorers, Georgian)

ASTAKHOV, N.Ye.; MARUASHVILI, L.I.; CHANGOSHVILI, G.Z.

The Alazan-Agrichay intermontane valley in eastern Transcaucasia
as a recent continental geosyncline. Izv.AN SSSR.Ser.geog. no.2:
54-57 Mr-Ap '56. (MLRA 9:8)

1. Institut geografii imeni Vakhushti Akademii nauk Gruzinskoy SSR.
(Transcaucasia--Valleys)

Translation from: Referativnyy zhurnal, Geologiya, 1980, No. 4,
p. 84 (USSR)

AUTHOR: Marushivili, L. I.

TITLE: Morphology and History of Development of the Recent
Recent Volcanic Structures in South Georgia (Morfologiya
i istoriya razvitiya noveysnikh vulkanicheskikh struktur
v zheniy Yuzhnoy Gruzii)

PERIODICAL: Soobshchen. AN GruzSSR, 1980, Vol. 17, No. 4, pp. 791-827

ABSTRACT: Soviet investigations in the South Georgian volcanic
highlands have shown that the significance of volcanic
activity in the geological and geomorphological evolu-
tion of the district was overrated by older research.
Many supposedly volcanic points may, according to their
true origin, be classed as tectonic, erosional, glacial,
glacial, differential denudation and miscellaneous
formations. It is characteristic of the majority of
volcanoes in South Georgia that their eruptive mechanism
and their morphology are incomplete. Simple structures

Card 1/2

15-57-5-100
Morphology and History of Development of the Most Recent (Cont.),

of the type of extrusive domes and truncated cones predominate in this region. There are also some lava flows here without corresponding central structures. Only Samsar (diameter 10 km, crater 3 km) can be regarded as an actual complex volcano, similar in structure and morphology to the Avacha Volcano (Kamchatka). The crater is missing in most of the peaks. Only the southern low cone of Shavna-badi has a well preserved crater. There were at least two effusive cycles during the post-Paleogene in the area of the South Georgian volcanic highlands. The Erushetskoye highlands, the margins and the lower part of the Akhalkalakskeye plateau, the piedmont and ancient cones of the Samsarskiy range, the plateau of Dabadzveli, the Tsalkinskaya Caldera and a large part of the Mokryye Gory were formed at the first cycle, which is dated as Miocene or as lower Pliocene. The second effusive cycle (upper Pliocene and a part of the Quaternary) produced the doleritic deposits of the Akhalkalakskeye plateau and of the Khrami Basin, and also the younger of the volcanic massifs of the Samsarskiy range, Mokryye Gory and the Borzhom region.

S. P. B.

Card 2/2

MARUASHVILI, L.I., doktor geograficheskikh nauk.

Volcanoes and pseudovolcanoes. Priroda 45 no.10:92-93 0 '56.
(MLRA 9:11)

1. Institut geografii imeni Vakhushi Akademii nauk Gruzinskoy
SSR, Tbilisi.

(Georgia--Volcanoes)

MARUASHVILI, L.I.

Geomorphology and paleogeography of a portion of southern Georgia.
Trudy Inst.geog.AN Gruz.SSR 8:3-43 '57. (MIRA 10:12)
(Georgia--Geology, Structural) (Paleogeography)

MARUASHVILI, L.I.

~~Present-day relief~~ and the geomorphological history of the Upper
Imeretia Plateau. Trudy Inst. geog. AN Gruz. SSR 10:49-71 '58.
(MIRA 12:8)

(Imeretia--Physical geography)

ASTAKHOV, N.Ye.; VLADIMIROV, L.A.; GOGISHVILI, K.S.; KORDZAKHIYA, M.O.;
MAHUAHVILI, L.I.; SOKHADZE, Ye.V.

Physicogeographical characteristics of Upper Imeretia. Trudy Inst.
geog. AN Gruz. SSR 10:155-193 '58. (MIRA 12:8)
(Imeretia--Physical geography)

MARUASHVILI, L. I.

Geomorphological features of the Lechkhumi Range. Trudy Inst. geog.
AN Gruz. SSR 12:3-21 '59. (MIRA 13:10)
(Lechkhumi Range—Physical geography)

ASTAKHOV, N.Ye.; VLADIMIROV, L.A.; DONDUA, G.D.; KORDZAKHIA, M.O.;
MARUASHVILI, L.I.; NEMANISHVILI, S.N.; SOKHADZE, Ye.V.; UKLEPA, D.B.,
CHANGASHVILI, G.Z.

Physicogeographical study of the Lechkhumi-Rachinskiy mountain
depression. Trudy Inst. geog. AN Gruz. SSR 12:197-220 '59.
(MIRA 13:10)
(Georgia—Physical geography)

MARUASHVILI, L.I.

Paleogeography of the warm, dry epoch of the Quaternary period
(Mindel-Riss interglacial stage) in the Caucasus. Soob. AN
Gruz. SSR 22 no. 1: 47-54 Ja '59. (MIRA 12:5)

1. AN Gruz. SSR, Institut geografii im. Vakhushti, Tbilisi. Pred-
stavleno akademikom A.N. Dzhavakhishvili.
(Caucasus--Paleogeography)

MARUASHVILI, L.I.

Relict valley on the Yagludzha upland (eastern Transcaucasia),
its genesis, age, and paleogeography. *Bul.kom.chetv.per.*
no.23:82-85 '59. (MIRA 13:4)
(Transcaucasia--Valleys)

MARUASHVILI, L.I.

The great interglacial epoch of the Pleistocene. Bot.zhur. 44
no.12:1737-1741 D '59. (MIRA 13:4)

1. Institut geografii im. Vakhushti AN Gruzinskoy SSR.
(Caucasus--Glacial epoch) (Fir) (Spruce)

MARUASHVILI, L. I.

"Problems of Paleoglaciological and Periglacial Morphology of the Caucasus"

report to be submitted for the Intl. Geographical Union, 10th General Assembly
and 19th Intl. Geographical Congress, Stockholm, Sweden, 6-13 August 1960.

MARUASHVILI, L.I.

Kodor River terraces (western Caucasus) as an example of terrace formation in mountainous countries. Soob. AN Gruz. SSR 24 no.1:37-44 Ja '60. (MIRA 14:5)

1. Akademiya nauk Gruzinskoy SSR, Institut geografii im. Vakhushti, Tbilisi. Predstavleno akademikom A.N. Dzhavakhishvili.
(Kodor Valley—Geology, Structural)

MARUASHVILI, L.I.; SKHIRTADZE, N.I.

Little known upper Quaternary volcanic centers in the Knogo area
(Little Liakhvi Basin). Soob.AN Gruz.SSR 25 no.1:27-32 J1 '60.
(MIRA 13:10)

1. Akademiya nauk Gruzinskoy SSR, Geologicheskii institut, Tbilisi.
Predstavleno akademikom A.I.Dzanelidze.
(Liakhvi Valley—Volcanic ash, tuff, etc.)

MARUASHVILI, L.I.

Brief geomorphological study of the Kodori River basin. Trudy
Inst. geog. AN Gruz. SSR 14:3-18 '61.

(MIRA 18:5)

MARUASHVILI, I.I.; TINTILOZOV, Z.K.; CHANGASHVILI, G.Z.

Results of speleological explorations on the Arabika limestone
massif in 1960. Soob. AN Gruz. SSR 26 no.5:547-554 My '61.
(MIRA 14:8)

1. Speleologicheskaya komissiya AN GruzSSR. Predstavleno
akademikom N.N. Ketskhoveri.
(Arabika region--Karst)

MARUASHVILI, L.I.

Results of speleological investigations in Odishi (western Georgia). Soob. AN Gruz. SSR 27 no.4:411-418 G '61. (MIRA 15:1)

1. Akademiya nauk Grusinskoy SSR, Speleologicheskaya komissiya.
Predstavleno akademikom N.N. Ketskhoveri.
(Mingrelia--Caves)

MARUASHVILI, L.I.

Upper Quaternary glaciation of the Germukh Range (South Ossetia).
Trudy Inst. geog. AN Gruz. SSR 17:3-14 '62. (MIRA 16:7)

(Germukh Range--Glacial Epoch)

MARUASHVILI, L.I.; PEREDZHANASHVILI, A.A.; TUPISHVILI, B.G.

Palaeogeography of the Caucasus. Part I. The Caucasus. (In Russian).
Moscow, 1961.

1. Institute of Geology and Mineralogy, Academy of Sciences of the USSR.
Submitted December 4, 1961.

MARUASHVILI, L.I.

Alexander Humboldt as a geographer and naturalist. Trudy Geog.
ob-va Gruz. SSR 6:17-26 '63. (MIRA 17:2)

MARUASHVILI, L.I.

Age of the karst topography of the Greater Caucasus. Dokl. AN SSSR
151 no.4:904-906 Ag '63. (MIRA 16:8)

1. Institut geografii im. Vakhushti AN Gruzinskoy SSR. Predstavleno
akademikom I.P.Gerasimovym.

(Caucasus--Karst)

DANIBEGOV, Rafail; MARUASHVILI, L., doktor geogr. nauk [translator, red.]; ABULADZE, S., red.; KHUTSISHVILI, V., tekhn. red.

[Travels of Rafail Danibegashvili; eighteen years spent in Asian countries] Puteshestvie Rafaila Danibegashvili; vosem' nadtsat' let v stranakh Azii. Tbilisi, Sabchota Sakartvelo, 1963. 120 p. (MIRA 16:12)

(Danibegov, Rafail) (Asia--Description and travel)

GOGATISHVILI, A.D.; MARUASHVILI, L.I.

Fossil soils of the eastern margin of the southern Georgian volcanic upland. Uch. zap. AGU. Ser. geol. - geog. nauk no.3:79-96 '63.

(MIRA 17:11)

MARUASHVILI, L.I.

Stratigraphic and paleogeographic interpretation of some characteristics of the structure of the terraces of the Ksani and Aragvi Rivers. Soob. AN Gruz. SSR 31 no. 3:613-618 S '63. (MIRA 17:7)

1. Institut geografii imeni Vakhushti AN GruzSSR. Predstavleno akademikom P.D.Gamkrelidze.

MARUASHVILI, Levan Iosifovich

[Physical geography of Georgia] [Fizicheskaya geografiya
Gruzii. Tbilisi, TSodna] 1964. 341 p. [In Georgian]
(MIRA 18:7)

MARUASHVILI, L.I.

Geomorphology of the limestone Massif of Migaria (Odishi).
Trudy Inst. geog. AN Gruz. SSR 20:3-16 '64.

(MIRA 18:5)

MARUASHVILI, I.I.; CHANGASHVILI, G.Z.

New data on supposed traces of glacial activity in the TSabel'ca region (southern foothills of Western Caucasus). Scob. AN Gruz. SSR 33 no.1:123-130 Ja '64. (MIRA 17:7)

1. Institut geografii imeni Vakhushti AN Gruzinskoy SSR.
Predstavleno akademikom F.D. Gamkrelidze.

MARUASHVILI, N.I., mashinist

~~Using switch protection on electric locomotives without recuperation.~~
Elek. 1 tepl. tiaga 2 no.10:35-36 0 '58. (MIRA 11:11)

1. Depo Barabinsk, Omskaya doroga.
(Electric locomotives)

MA UASHVILI, N.F.

22751. Maruashvili, N.F.

Parazity mozga. Tondy (toilis. 100. 100. 100), t.v. 1986, c. 2 8-28-100. 100. 100 -
rezyume na rus. yez.

SO: LITOPIS' No. 30, 1986

MARSHALL, T.; GIBSON, A. J.; GIBSON, J. M.

Use of elementary algebraic equations. Study
by G. MARSHALL, A. J. GIBSON, J. M. GIBSON. (MIRA 1986)

MARUASHVILI, T. I.

Maruashvili, T. I. On the roots of determinants determining the critical stress. Bull. Acad. Sci. Georgian SSR [Sobvestenia Akad. Nauk Gruzinskoi SSR] 7, 103-111 (1946). (Russian)

For a class of determinants which arise in the theory of stability of beams it is shown, by using Sturm's chains, that all eigenvalues are real and nonnegative. M. Kat.

Source: Mathematical Reviews,

Vol 10, No. 1

MARUASHVILI, T. I.

Maruashvili, T. I. On convergence of sequences of approximate values of critical forces constructed by a difference method. Soobsheniya Akad. Nauk Gruzin. SSR, 9, 83-89 (1948). (Russian)

The author considers a beam of variable stiffness pinned at both ends and subject to a force of compression P . The system to be solved is $(*) EI(x)y'' = -Py$ with $y(0) = y(1) = 0$. He replaces $(*)$ by a difference equation set up for n values of y at n equally spaced values of x with interval h . This leads to a set of homogeneous linear equations for the n values y_i , which can have solutions only for particular values of P , $P_n^{(*)}$. The aim of the paper is to show that as n becomes infinite $P_n^{(*)}$ converges to a critical force P_c and the corresponding $y_n^{(*)}$ to $y(x)$, when $y(x)$ is a non-zero solution of $(*)$ corresponding to P_c . W. E. Milne (Corvallis, Ore.).

Source: Mathematical Reviews,

Vol 13 No. 10

Tbilisi Math Inst. in. A. M. Razmadze, A. S. G. G. R.

MARUASHVILI, T. I.

Maruashvili, T. I. An estimate of the error of the critical forces of a compressed bar computed by a difference method. *Sobshcheniya Akad. Nauk Gruzin. SSR*. 9, 145-152 (1948). (Russian)

In this paper, following the ideas of Collatz, the author uses the Rayleigh quotient to set up inequalities giving an estimate of the error in the approximation to the lowest critical force, which he shows to be $O(h^4)$. *W. E. Milne.*

Source: *Mathematical Reviews*,

Vol. 13 No. 10

MARUASHVILI, T. I.

Determining the real roots of algebraic equations with the aid
of an integrator. Soob. AN Gruz. SSR 15 no. 5: 265-270 '54.
(MLRA 8:6)

1. Akademiya nauk Gruzinskoy SSR, Tbilisskiy matematicheskiy
institut im. A. M. Razmadze, Predstavleno chlenom-korrespondentom
Akademii Sh. Ye. Mikeladze,
(Equations, Roots of)

MAJIDASHVILI, T.I.

Accuracy of solutions of finite-difference equations approximating
Poisson's equations in electric networks [with summary in Russian].
Trudy Mat. inst. AN Gruz. SSR 24:163-177 '57. (MIRA 11:3)
(Difference equations) (Integrators)

MARUASHVILI, T.I.

16(01) 2A(1)

PHASE I BOOK EXPLANATION

90V/3365

Akademiya nauk Azerbaydzhanstoy SSR

Testey dokladov Sovetskoye po vychislitel'noy matematike i primeneniya
sredstv vychislitel'noy tekhniki (Outlines of Reports of the Conference On
Computational Mathematics and the Use of Computer Techniques) Baku, 1958.
63 p. 400 copies printed.

Additional Sponsoring Agencies: Akademiya nauk SSSR. Vychislitel'nyy tsentr,
and Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki.

No contributors mentioned.

PURPOSE: This book is intended for pure and applied mathematicians, scientists,
engineers and scientific workers, whose work involves computation and the use
of digital and analog electronic computers.

COVERAGE: This book contains summaries of reports made at the Conference on
Computational Mathematics and the Application of Computer Techniques.
The book is divided into two main parts. The first part is devoted to
computational mathematics and contains 19 summaries of reports. The second
section is devoted to computing techniques and contains 20 summaries of
reports. No personalities are mentioned. No references are given.

Dabich, Yu.A. On the Filtration of a Liquid in Nonhomogeneous Media	36
Makmurlov, Yu.A. System of Instructions for a Universal Digital Computer With Magnetic (Ferrite) Elements and its Circuits	38
Nikolayev, N. New Continuously Operating Mathematical Machines for the Solution of Mathematical Physics Problems	40
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Belkin, V.D. Application of Electronic Digital Computers in National Economic Planning	43
Babushkin, M.M. Operational Experience of the MPT-9 and IPT-5 Analog Devices and Certain Possibilities for Increasing the Number of Problems They Are Able to Solve	52
Marushvili, T.I. On the Exactness of the Solution of a Finite-Differ- ence Equation, Which Approximates the Poisson Equation, on Electric Grids	53

Card 6/7

32478

S/044/61/000/010/044/051
C111/C222

163500 16.6500

AUTHOR: Maruashvili, T.I.

TITLE: Method of straight lines for an equation of parabolic type

PERIODICAL: Referativnyy zhurnal. Matematika, no. 10, 1961, 40.
abstract 10 V 238. ("Tr. Vychisl. tsentra. AN Gruz SSR",
1960, 1, 215-230)

TEXT: The author considers the question of the approximate solution of the equation

$$\frac{\partial^2 u}{\partial x^2} = \frac{\partial u}{\partial t} - f(x)$$

with the following boundary conditions

$$\frac{\partial u}{\partial x} \Big|_{x=0} = \psi_2(t), \quad \frac{\partial u}{\partial x} \Big|_{x=1} = \varphi_2(t)$$

and the initial condition

$$u(x,0) = \psi(x)$$

Card 1/2

32478

S/044/61/000/019/044/011
C111/C222

Method of straight lines for an ...

The author investigates two variants of the method of straight lines:
a) the replacement of the second derivative with respect to x by difference relations; b) the replacement of the derivative with respect to the time by a difference relation. In the first case the author applies the simplest approximation for u''_{xx} , and the problem leads to the solution of a system of n differential equations of first order. The author estimates the error of the approximate solution, and proves the stability of the calculation scheme (the approximate solution depends continuously on the right side of (1), on the boundary conditions (2), and on the initial conditions (3)). In the second case the first derivative with respect to the time is replaced by the first difference relation, and after there results a sequence of ordinary differential equations of second order. It is proved that the solution of the obtained system of differential equations converges to the solution of the problem, and that the calculation process is stable.

[Abstracter's note : Complete translation]

Card 2/2

34597

S/044/62/000/001/01 100
C111/C222

AUTHOR: Maruashvili, T. I.

TITLE: On the exactness of the solution of the differential equation which approximates the Poisson equation in electrical networks

PERIODICAL: Referativnyy zhurnal, Matematika, no. 1, 1961, 22, abstract 1V151 ("Tr. Vses. soveshchaniya po vysshim matematicheskim primeneniyu sredstv vychisl. tekh.", Baku, AN Azerb SSR, 1961, 28-100)

TEXT: The author examines the solving process of the differential equation on electrical networks which approximates the Poisson equation. A new equation is constructed which corresponds to the values found with the help of the integrator. The equation contains the parameters: c (capacity of the condenser), r (resistance) and ω (frequency of the alternating voltage). By examining the solution of this equation, the author concludes that the choice of parameters depends on the number of connections.

[Abstracter's note: Complete translation]

Card 1/1

GAMKHITASHVILI, L.G.; KANDELAKI, N.P.; MARUASHVILI, T.I.; OKROASHVILI,
G.G.; KHARATISHVILI, G.L.; KVAVILASHVILI, A.M.

Solution of some problems by new methods, using electric
models with d.c. amplifiers. Trudy Vych.tsentra AN Gruz.SSR
2:319-334 '62. (MIRA 16:1)
(Electromechanical analogies) (Electronic calculating machines)

ACC NR: AT6029248

SOURCE CODE: UR/0000/66/000/000/0459/0461

AUTHOR: Okroashvili, G. G.; Maruashvili, T. I.

ORG: none

TITLE: Short description of a device for simulating certain problems in the theory of river flow regulation

SOURCE: Vsesoyuznaya konferentsiya-seminar po teorii i metodam matematicheskogo modelirovaniya. 4th, Kiev, 1964. Vychislitel'naya tekhnika v upravlenii (Computer technology in control engineering); trudy konferentsii. Moscow, Izd-vo Nauka, 1966, 459-461

TOPIC TAGS: computer simulation, simulation test facility, control simulator, analog computer, flow analysis, flow control, flow kinetics, Markov process, stochastic process

ABSTRACT: The authors describe an analog, electronic, river-flow regulation simulator used for problems of flow regulation, based on the Monte-Carlo method. The system performs the following operations: accepts a series of uniformly distributed random numbers, and using them, from a given distribution function, selects a relation between adjacent numbers, and computes the values of the required parameters: the useful output, the losses, the filling of the reservoir, and the degree of accuracy in the output. The river flow is a continuous stochastic process that conforms to the distribution.

Card 1/2

ACC NR: AT6029248

bution law, given by the Pierson type III curve. However, for the purposes of flow regulation, it is more convenient to consider the flow as a simple Markov chain. The simulator uses the algorithm

$$y_i = \begin{cases} \alpha, & \text{if } k_i + z_{i-1} - \alpha > 0; \\ k_i + z_{i-1}, & \text{if } k_i + z_{i-1} - \alpha < 0; \end{cases} \quad z_i = \begin{cases} 0, & \text{if } k_i + z_{i-1} - \alpha \leq 0; \\ k_i + z_{i-1} - \alpha, & \text{if } 0 < k_i + z_{i-1} - \alpha < \beta; \\ \beta, & \text{if } k_i + z_{i-1} - \alpha > \beta; \end{cases}$$

$$u_i = \begin{cases} 0, & \text{if } k_i + z_{i-1} - (\alpha + \beta) \leq 0; \\ k_i + z_{i-1} - (\alpha + \beta), & \text{if } k_i + z_{i-1} - (\alpha + \beta) > 0, \end{cases}$$

where $k_i = \omega_i / \bar{\omega}$, ω_i is the average annual flow, $\bar{\omega}$ is the average flow over many years, y_i is the actual useful output, z_i is the filling of the reservoir, u_i is dumped water, α is the desired output level, and β is the reservoir capacity. The operations, which were carried out using the simulator, facilitate the optimum selection of the reservoir capacity and the level of the useful output. A block diagram of the equipment and construction details are given. Orig. art. has: 3 formulas, 1 figure.

SUB CODE: 20/ 09,12/ SUBM DATE: 12Feb66/ ORIG REF: 002

Card 2/2

MARUCHA, S.

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1. Z Kliniki Chorob Nerwowych A.M. w Krakowie. Kierownik: prof. dr Wl. Jakimowicz.

(BRAIN, dis.

causing intracranial compression, clin. & x-ray manifest. (Pol))

(BRAIN NEOPLASMS, compl.

intracranial compression, clin. & x-ray manifest. (Pol))

(CRANIUM, radiography

in intracranial compression caused by brain dis. & tumors (Pol))

MARUCHENKO, Ya.I.

**Effect of the movement of ice on river banks. Priroda 45 no.12:91-
93 D '56. (MLRA 10:2)**

1. Tomskiy gosudarstvennyy universitet.
(Ice on rivers, Lakes, etc.)

KACPROWSKI, J.; MIKIEL, W.; MARUCHIN, J.; LIPSKI, S.; BALTURKIEWICZ, Z.

Use of an acoustic analyzer of gas mixtures in the study of ether anesthesia of experimental animals. Acta physiol. pol. 14 no.1:135-144 '63.

1. Z Zakladu Badania Drgan Instytutu Podstawowych Problemow Techniki PAN w Warszawie Z Osrodka Ochrony Radiologicznej i Radiobiologii WIHE Kierownik: doc. dr J. Ryzewski.
(ETHER, ETHYL) (ANESTHESIA, INHALATION)
(EQUIPMENT AND SUPPLIES)

MARUCHIN, Jerzy, E.; LIPSKI, Slawomir, R.

Phenomena occurring in enzymes under the influence of X and γ
radiation. Kosmos biol 13 no.2:138-147 '64

CLASS - L2A/TA / 1 LAND

WASCHNIK, J.B.: Department of Biochemistry, Medical Academy,
Warsaw. [Original version not given] 7.

"Studies of the inhibitory effect of iron zinc derivatives on the
Yeast Cytochrome b₅. I. Kinetic Studies of Maxilan."

Prace, Activitas Nervosa Superior, Vol 8, No 1, Nov 66, p
191 - 192

Abstract: Maxilan is a thiazine derivative of phenothiazine. The
influence on the activity of yeast red cytochrome enzyme is discussed.
Histidine retards the inhibition of the enzyme activity. Maxilan
has an increased affinity for the enzyme at pH of 6.0. 2 tables, no
references. Submitted at the 8th Annual Psychopharmacological Meet-
ing at Jesenik, 18 - 22 Jan 66. Article is in English.

1/1

MARUCIC, J.

Measuring tapes for low temperatures. p. 1605

TEHNIKA, Beograd, Vol 10, No. 11, 1955

SO: EEAL, Vol 5, No. 7, July 1956

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Natural vibrations and frequencies of turbomoters blades. p. 737.
(Tehnika, Vol. 12, No. 5, 1957, Beograd, Yugoslavia)

SO: Monthly List of East European Accessions (EKAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

MARUCIC, Jovan, ing.

Instruments for the examination of hydraulic pulsations in the
Jablanica Hydroelectric-Power Plant. Stroj vest 6 no.3:92-98 My '60.
(EEAI 10:1)

(Electronic measurements) (Vibration) (Hydraulics)
(Yugoslavia--Hydroelectric-power stations)

MARUDIN, Petr Markovich, podpolkovnik; GORBUNOV, Petr Ivanovich, mayor
zapasa; ZLATOVEROV, B.S., podpolkovnik, redaktor; MEDNIKOVA, A.N.,
tekhnicheskij redaktor

[Squad reconnaissance] Otdelenie v razvedka. Moskva, Voen. izd-vo
Ministerstva obor. SSSR, 1956. 125 p. [Microfilm] (MLRA 10:4)
(Military reconnaissance)

MARUDIN, P.

Guided antiaircraft rockets. Voen.znan.32 no.12:14-15 D '56.
(Rockets (Ordnance)) (Guided missiles) (MLRA 10:2)

MARUDIN, P., podpolkovnik, kandidat voyennykh nauk.

Flame throwers. Voen. zhurn. 31 no. 4: 13-14 Ap '57. (MLRA
(Flame throwers)

MARUDIN, P., polkovnik, kand. voyennykh nauk

Illumination in night fighting. Voenn. znan. 34 no. 3:10-20 Apr '58.
(Night fighting (Military science) (MIRA 11:4)
(Lighting)

UL'YANOV, A.F., polkovnik; MARUDIN, P.M., polkovnik; YEMEL'YANOV, V.T.,
polkovnik, red.; BUKOVSKAYA, N.A., tekhn. red.

[Operations of a separate reconnaissance patrol] Deistviia ot-
del'nogo r/ vedyvatel'nogo dozora. Moskva, Voen.izd-vo M-va
obor.SSSR, 1962. 119 p. (MIRA 15:6)
(Military reconnaissance)

MARUFLENKO, V.Z., inzh.

Shaft heating with heating units. Ugol' Ukr. 4 no.2:12-14
P '60. (MIRA 13:6)

1. Dneprogiproshakht.
(Shaft sinking) (Mine ventilation)

TISHCHENKO, V.V.; MARUGIN, V.A.

Isomerization of allylcyclohexane on gumbrin. Zhur. prikl. khim.
33 no.12:2799-2801 D '60. (MIRA 14:1)

1. Leningradskiy gosudarstvennyy universitet.
(Cyclohexane) (Gumbrin)

KOSTROV, Ye.M., kand. tekhn. nauk; SHKROVITSKIY, Ye.I.; KAGANOVICH, I.S.

Effect of corrosion inhibitors on the corrosion-fatigue resistance of steel and cast iron. Trudy IZhMMP 57:61-65, 1965.

WILLI, P., dr.; ROBERT, C., dr.; EDWARD, L., dr.; MARION, L., dr.

Observation: The above information was obtained from a review of a still photo (part. 1) and a (part. 2) of the same person.

1. Linear effect data in part 1 of the above information is the same as in part 2 of the above information.

SADOVSKIY, T.P., slesar'; MARUK, M.F.; VAKULENKO, V.I.; KURILO, I.G.

Modernization of mobile diaphragm pumping units. Suggested by
T.P.Sadovskiy, M.F.Maruk, V.I.Vakulenko, I.G.Kurilo. Rats.1
izobr.prodl.v strpi. no.12:55-58 '59. (MIRA 13:5)

1. Trest No.5 Mospodzemstroya Glavmosstroya (for Sadovskiy).
2. Gruppya ratsionalizatorov tresta No.6 Mospodzemstroya
Glavmosstroya Moskva, Vetoshnyy per., do.11 (for Maruk,
Vakulenko, Kurilo).

(Pumping machinery)

MARUK, M.V.

Basal metabolism in poliposis of the stomach. Vrach. delo
no.12:50-52 D '63. (MIRA 17:2)

1. Kafedra onkologii (zav. - prof. I.M. Vorontsov)
Zaporozhskogo instituta usovershenstvovaniya vrachey.

MARUKH, B.P.

Every worker should have technical training. Neftianik 7
no.9:12-13 S '62. (MIRA 16)

1. Nachal'nik uchastka avtomatiki i telemekhaniki neftepromysla i upravleniya Starogrozneft'.
(Petroleum workers—Education and training)

BODNARUK, T.M.; MANDRUS, V.I.; MARUKHIVAK, N.I.

Core sampling in areas of the Carpathian Mountain region. Barenie
no.9:5-6 '64. (MIRA 18:5)

1. Tsentral'naya nauchno-issledovatel'skaya laboratoriya
L'vovskogo sovets kirovogo khozyaystva.

MARUKHANYAN, E. V.

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Sub 8 Dec 52, First Moscow Order of Lenin Medical Inst. (Dissertation for
the Degree of Candidate in Medical Sciences.)

SO: Vechernaya Moskva January-December 1952

MARUKHANYAN, E.V. (Moskva)

Effect of the duration and intensity of a conditioned electric cutaneous stimulus on the size of conditioned food and acid reflexes. Zhur.vys.nerv.deiat. 4 no.5:684-691 3-0 '54. (MLRA 8:7)

(REFLEX, CONDITIONED,

eff. of duration & intensity of conditioned electric cutaneous stimulus on size of acid & digestive reflexes)

1 H...
MARUKHANYAN, E.V.

Modification of higher nervous activity in dogs following
shock overload. Zhur.vyssh.nerv. deyat. 5 no.4:555-564 J1-
Ag '55. (MLRA 8:11)

(REFLEX, CONDITIONED,
change of higher nervous funct. after shock
overload)

MARUKHANYAN, E. V.

"The Method of Study of Certain Reactions in Professional Activity of Pilots,"
Voyenno-Meditsinskiy zhurnal, No.7, pp 21-23, 1965

Translation D 469' 75

FLUKKEL', A.B., kand.med.nauk, polkovnik meditsinskoy sluzhby; MARUKHANYAN,
B.V., kand.med.nauk, podpolkovnik meditsinskoy sluzhby

Effect of prolonged radial acceleration on certain visual functions
in man. Voen.-med.shur. no.8:54-58 Ag '59. (MIRA 12:12)
(ACCELERATION, effects)
(VISION physiol.)

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Electrocardiographic observations during prolonged exposure to
acceleration. Pat. fiziol. i eksp. terap. 4 no. 6:72-73 N-D '60.

(MIRA 14:2)

(ACCELERATION--PHYSIOLOGICAL EFFECT) (ELECTROCARDIOGRAPHY)

MARUKHANYAN, E.V. (Moskva)

Nonextinction of conditioned motor-defense reflexes in dogs.
Zhur.vys.nerv.deiat. 11 no.3:474-481 My-Je '61. (MJA 14:7)
(CONDITIONED RESPONSE)

MARUKHANYAN, E.V. (Moskva)

Changes in the electrocardiogram and disorder of the state of the
central nervous system under the influence of acceleration. Fiziol.
zhur. 47 no.7:843-851 JI '61. (MIRA 15:1)

(ACCELERATION--PHYSIOLOGICAL EFFECT)
(ELECTROCARDIOGRAPHY) (NERVOUS SYSTEM)

MARUKHANYAN, E.V. (Moskva)

Electrocardiographic changes under the action of transverse
acceleration. Fiziol.zhur. 48 no.6:700-705 Je '62. (MIRA 15:8)
(ACCELERATION—PHYSIOLOGICAL EFFECT) (ELECTROCARDIOGRAPHY)

MARUKHANYAN, E.V. (Moskva)

Defense reflex to environment under an excessively strong action
(acceleration of a short duration). Zhur. vys. nerv. deiat. 15
no.3:458-465 My-Je '65. (MIRA 18:0)

L 08264-67 EWT(1) SCTB DD/GD

ACC NR, AT6036485

SOURCE CODE: UR/0000/66/000/000/0041/0041

AUTHOR: Arkhangel'skiy, D. Yu.; Babushkin, V. I.; Marukhanyan, E. V.

29

ORG: none

2+1

TITLE: The problem of ²transverse acceleration tolerance criteria [Paper presented at the Conference on Problems of Space Medicine held in Moscow from 24 to 27 May 1966]

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 41

TOPIC TAGS: space physiology, cardiovascular system, biologic acceleration effect, space medicine

ABSTRACT: Pulse-cycle duration (DPC) was used as a criterion for acceleration tolerance. DPC fluctuations permitted a quantitative evaluation of the magnitude of the physiological deviation and was an early index of altered cardiovascular function.

Analysis of data from experiments on animals revealed three phases in the DPC and a rearrangement of these phases caused by multiple exposure to acceleration. An increase in the fluctuation amplitude of the DPC (absolute and relative coefficient of the diastole) can serve as the basic criterion for the tolerance of an organism to transverse accelerations.

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L 08204-D/

ACC NR: AT6036485

The use of this index permits overlooking cardiovascular functional disorders associated with structural changes in cardiac tissue. Under certain conditions, the relative coefficient of the diastole is observed during exposure of man to transverse accelerations. This index can serve as a criterion in setting permissible limits for this type of acceleration. [W.A. No. 22; ATD Report 66-116]

SUB CODE: 06 / SUBM DATE: 00May66

Card 2/2 *sc/12*

MARUKHIN, A.

Public service school. Prof.-tekh. obr. 21 no. 11:25 N '64
(MIRA 18:2)

1. Zamestitel' direktora Rubzhanskogo industrial'nogo tekhnika professional'no-tekhnicheskogo obrazovaniya, Luganskaya obl.

MARUKHNENKO, M.V.

Gonorrhea of the nasal mucosa in newborns. Vest.derm.i ven. 33 no.5:
87 S-0 '59. (MIRA 13:2)

1. Iz Chitinskogo oblastnogo kozhno-venerologicheskogo dispansera.
(GONORRHEA) (INFANTS (NEWBORN)--DISEASES)

ISAYEVA, Z.A.; MARUKHNENKO, M.V.

Complications in psoriasis therapy for patients with psoriasis.
Vest. dermat. i ven. 34 no. 5:62-63 '60. (MIRA 14:1)
(PSORIASIS) (MUSTARD GAS)

ABRAMOVICH, I.A.; MARUKHNEKO, M.V.

Multiple leiomyoma of the skin and fibromyoma of the uterus.
Vest.derm. i ven. 38 no.5:75-76 My '64.

(MIRA 18:12)

1. Kafedra kozhnykh i venericheskikh bolezney Chitinskogo
meditsinskogo instituta. Submitted May 24, 1962.

MARUKHNO, G. P.

MARUKHNO, G. P.- "Certain Variational Problems in the Theory of Plasticity." Min of Higher Education USSR, Leningrad Order of Labor Red Banner Engineering-Construction, Inst, Chair of Resistance of Materials, Leningrad, 1955 (Dissertations For Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis' No. 26, June 1955, Moscow

MARUKHNO, G.P.

Leningrad Branch. Izv. ASIA no. 3:134-135 '60. (MIRA 13:12)

1. Uchenyy sekretar' Leningradskogo filiala Akademii stroitel'stva i
arkhitektury SSSR.

(Leningrad--Building research)

ACCESSION NR: AR4042231

S/0124/64/000/006/V025/V025

SOURCE: Ref. zh. Mekhanika, Abs. 6V182

AUTHOR: Marukhno, G. P.

TITLE: One variational problem of theory of plasticity

CITED SOURCE: Sb. tr. Leningr. in-t inzh. zh.-d. transp., vy*p. 190, 1962, 267-275

TOPIC TAGS: plasticity, deformation, elastoplastic equilibrium

TRANSLATION: Considers an elasto-plastic solid taking into account elastic compressibility. Derives a general variational equation. Shows that for the case of an ideally plastic material the problem is reduced to a variational problem of determining the minimum of work of deformation of change of volume. As an example there is solved the problem of elasto-plastic equilibrium of an infinitely long thickwalled cylindrical tube under action of internal pressure.

Card 1/2

ACCESSION NR: AR4042231

Bibliography: 10 references.

SUB CODE: ME

ENCL: 00

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IVANOV, A.K.; MARUKHNYAK, N.I.

Reservoir properties of rocks in fields of the Carpathian piedmont
fault. Geol. nefti i gaza 7 no. 8:35-38 Ag '63. (MIRA 16:10)

1. IGGI AN UkrSSR i TsNIL.

MARUKHYAN, A.O., doktor ekonomicheskikh nauk, redaktor; MURZAYEV, E.M.,
doktor geograficheskikh nauk, redaktor; RYAZANTSEV, S.N.,
kandidat geograficheskikh nauk, redaktor; DOBRONRAVOVA, K.O.,
redaktor; GLEYKH, D.A., tekhnicheskij redaktor

[Armenian S.S.R.] Armianskaia SSR. Moskva, Gos. izd-vo geogr.
lit-ry, 1955. 282 p. (MLRA 9:4)

1. Akademiya nauk Armyanskoy SSR, Erevan. Institut ekonomiki.
(Armenia)

MARTIROSYAN, G.M.; MANVELYAN, A.P.; TERLEMEZYAN, G.Ye.; MELKUMYAN, G.G.;
AGAMIRYAN, G.N.; TARDZHIMANOV, R.O.; GUKASYAN, V.M.; POGOSYAN,
M.P.; MARUKHYAN, A.O.; MARUNOV, P.M., red.; SAROYAN, P.,
tekhn.red.; MATINYAN, A.A., tekhn.red.

[Forty years of Soviet Armenia; a statistical manual] Sovetskaya
Armeniya za 40 let; statisticheskii sbornik. Erevan, Armianskoe
gos.izd-vo, 1960. 209 p. (MIRA 14:4)

1. Armenian S.S.R. Statisticheskoye upravleniye. 2. Nachal'nik
TSentral'nogo statisticheskogo upravleniya pri Sovete Ministrov
Armyanskoy SSR (for Martirosyan). 3. Zamestitel' nachal'nika
TSentral'nogo statisticheskogo upravleniya pri Sovete Ministrov
Armyanskoy SSR (for Manvelyan). 4. TSentral'noye statisticheskoye
upravleniye pri Sovete Ministrov Armysanskoy SSR (for Terlemezyan,
Melkumyan, Agamiryan, Tardzhimanov, Gukasyan, Pogosyan, Marukhyan).
5. Nachal'nik otdela statistiki svodnykh rabot TSentral'nogo
statisticheskogo upravleniya pri Sovete Ministrov Armysanskoy SSR
(for Marunov).

(Armenia--Statistics)