

On Thermodynamics of Steel Crystallization in the Mold

66503

SO/137-59-7-14595

occurs. If, however, the process is accompanied by deep supercooling, the thermodynamic potential is considerable and a certain portion of the energy reserve is consumed by forming crystallization centers. The first case is considered as the thermodynamical basis for the theory of subsequent crystallization; the second case pertains to the theory of volume crystallization. It is concluded that these theories can not be opposed.

I.G. *4*

Card 2/2

S/137/61/000/011/029/123  
A060/A101

AUTHOR: Madyanov, A.M.

TITLE: Quantitative characteristic of crystallization zones in the process of steel hardening in the casting mold

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 11, 1961, 61, abstract 11V358 (V sb. "Metallovedeniye i term. obrabotka", Gor'kiy, 1959, 5 - 9)

TEXT: To investigate the tertiary hardening process of steel in the casting mold the method of simulation was applied, based on the thermal-hydraulic analogy. The data obtained make it possible to represent graphically the quantitative variation of the crystallization zone with the passage of time. Curves divide the entire field of the diagram into three regions corresponding to the dimensions of the crystallization zones; the zone of solidified metal, the crystallization zone, and the zone of molten metal. Starting with this diagram, it is possible to characterize the conditions of the crystallization of steel as a function of the viscosity of the medium for any ingot cross section. The comparison of the diagram of the crystalline inhomogeneity of the ingot and the graph of the quanti-

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Quantitative characteristic ...

S/137/61/000/011/029/123  
A060/A101

tative variation of the zone as it hardens makes it possible to establish the influence of zones upon the structural inhomogeneity of the ingot. The zone of fine grained crystals corresponds to the period of steel hardening at the lowest thickness of the heterogeneous zone. In the formation of the transcrystallization zone, there arise conditions favoring the growth of spiky crystals; their crystallization occurs at definite ratio of the rate and the temperature gradient. The axial zone of the ingot is formed before the final hardening out of the heterogeneous medium of greater viscosity. The rise of zonal liquation is accompanied by the vanishing of the molten metal zone. The final formation of liquation strips in the metal occurs in the heterogeneous zone. The calculation of the critical crystallization rate at which liquation strips occur is shown, using the solidus.

F. Arsent'yev

[Abstracter's note: Complete translation]

Card 2/2

S/137/61/000/003/004/069  
A006/A101AUTHOR: Madyanov, A.M.

TITLE: Dimensions of crystallization zones and their effect on the heterogeneity of forged ingots

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 3, 1961, 44, abstract 3V314  
(V sb. "Puti uluchsheniya kachestva otlivok". Gor'kiy, 1959, 156-164) ✓

TEXT: Data from the method of thermohydraulic analogy were used to plot a diagram on changes of crystallization zones of an ingot in the mold, which makes it possible to determine the dimensions of the crystallization zone for different sections of the ingot at any moment of solidification. It was found that the zone of fine-globular crystals corresponded to that period of steel solidification when the thickness of the heterogeneous zone has the least value. The zone of transcrystallization is located so that it begins at a certain magnitude of the heterogeneous zone and ends with the vanishing of the liquid metal zone. During this period columnar crystals are being formed. The axial section of the

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Dimensions of crystallization zones ...

S/137/61/000/003/004/069  
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ingot (coarse-globular crystals) is formed without a liquid metal zone, when all this metal volume, prior to final solidification, represents a heterogeneous medium of considerable viscosity. The formation of off-axial segregation is accompanied by the vanishing of the liquid metal zone. The formation of segregational streaks takes place in the heterogeneous zone.

V. G.

[Abstracter's note: Complete translation.]

Card 2/2

PLANK I BOOK EXPLOITATION SOV/4199  
Leningrad. Politekhnicheskii Institut

Sovremennyye dostizheniya litseynogo proizvodstva: trudy  
Mashinostroyeniya nauchno-tekhnicheskoy konferentsii (Recent  
Achievements in Founding: Transactions of the Scientific  
and Technical Conference of Schools of Higher Education)  
Moscow, Mashgiz, 1950. 336 p. Errata slip inserted.  
4,000 copies printed.

Resp. Eds.: Yu. A. Meshchinski, Doctor of Technical Sciences,  
Professor; Eds.: N. B. Girshovich, Doctor of Technical  
Sciences, Professor, and K. P. Lebedev, Docent; Managing  
Editor: V. A. Kuznetsov, Professor, Department, Mashgiz, 1950.  
Ye. A. Dlugobelskiy, and L. V. Zhuchetina.

FUNFOK: This book is intended for the technical personnel  
of foundries. It may be used by students of the field.

COVERAGE: This collection of articles discusses problems in  
founding processes. Individual articles treat the melting  
of metals and their alloys, mechanization and automation  
of casting processes, aspects of the manufacture of steel,  
cast iron, and nonferrous castings. No personalities  
are mentioned. References accompany individual articles.

Recent Achievements in Founding (Cont.) SOV/4199

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| 25. Kogarny, I. Ya. Experimental Investigation of the<br>Mold Filling Process   | 191 |
| 26. Moskoy, B. A. Materials for Shell Molds   | 201 |
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| 28. Mikhayev, M. P. Temperature Regime in Production of<br>Shell Molds and Their Strength   | 212 |
| V. STEEL CASTINGS   |     |
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Card 6/9

*M. P. Meshchinski*

S/137/62/006/002/017/100  
A006/A101

AUTHORS: Madyanov, A. M., Perlitin, Ye. S., Tiunov, P. A.

TITLE: Comparing the chemical heterogeneity of an 8-ton ingot of a new shape with a bulk ingot

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 2, 1962, 42, abstract 2V256 (V sb. "Novoye v liteyn. proiz-ve. no. 3", Gor'kiy, 1960, 238-240)

TEXT: A medium carbon steel ingot (0.41 - 0.53% C) of a new shape is different from a bulk ingot by a lower H ; D. To compare the chemical heterogeneities of both ingots, a chemical analysis was made for C, P and S in samples taken off longitudinal and transverse templets. It was established that the new ingot shows a lesser range of changes in the C, P and S concentration over the height in the axial section, than the bulk ingot.

P. Arsent'yev

[Abstracter's note: Complete translation]

Card 1/1

MADYANOV, Aleksandr Mikhaylovich, kand. tekhn. nauk; RYZHIKOV, A.A.,  
prof., doktor tekhn. nauk, red.; POZDNYAKOVA, G.L., red.izd-  
va; ISLENT'YEVA, P.G., tekhn. red.

[Solidification and new methods of steel casting]Zatverdevanie i  
novye sposoby razlivki stali. Pod red. A.A.Ryzhikova. Moskva,  
Metallurgizdat, 1962. 109 p. (MIRA 15:12)  
(Continuous casting) (Solidification)

MADYANOV, A.M., kand. tekhn. nauk, dots.; TIKHONOV, G.F., kand. tekhn. nauk, dots., otv. red.; ZAALISHVILI, Sh.D., doktor khim. nauk, prof., retsenzent; ASTROV, Ye.I., kand. tekhn. nauk, dots., retsenzent; KOZYULINA, R.M., red.

[Principles of the theory of metallurgical processes; manual for students of the department of metallurgy]  
Osnovy teorii metallurgicheskikh protsessov; uchebnoe posobie dlia studentov metallurgicheskogo fakul'teta. Gor'kii. Pt.2. 1962. 112 p. (MIRA 17:3)

1. Gorkyi. Politekhniceskii institut. Kafedra liteynogo proizvodstva.



MADYANOV, Aleksandr Mikhaylovich, kand. tekhn. nauk; CHUDNER,  
Rudolf Vital'yevich; PERMITIN, Vladimir Yevgen'yevich;  
TRENIN, Valeriy Fedorovich

[Solidification and pouring of steel under a liquid medium]  
Zatverdevanie i razlivka stali pod zhidkoi sredci. Moskva,  
Metallurgiya, 1965. 90 p. (MIRA 18:7)

MADYANOV, A.M., kand. tekhn. nauk, CHUDINER, R.V., inzh.

Investigating the weldability of steel under a layer of fusible flux. Trudy GPI 19 no. 1:14-16 '63. (MIRA 12-1)

BORISOV, Yevgeniy Filippovich; BROVER, Izrail' Moiseyevich, prof.;  
LARINA, Raisa Yefimovna; MADYANOV, Aleksandr Stepanovich;  
SAMOYLENKO, Ivan Ivanovich; CHERNYSHEV, Nikolay Tikhonovich

[Reader in economics; precommunist means of production] Khrestomatia po politicheskoi ekonomii; dokommunisticheskie sposoby proizvodstva. Pod red. I.M. Brovera. Moskva, Gos. izd-vo "Vysshaya shkola," 1963. 378 p. (MIRA 16:7)

1. Prepodavateli kafedry politicheskoy ekonomii Volgogradskogo pedagogicheskogo instituta (for Brover, Larina, Madyanov, Samoylenko, Chernyshev). 2. Vsesoyuznyy zaochnyy finansovo-ekonomicheskii institut (for Borisov).

(Economics)

MADYAR, I.

Diabetes and arteriosclerosis. Vest.AMN SSSR 16 no.3:3-9 '61.  
(MIRA 14:7)

1. Iz 1-y terapevticheskoy kliniki Budapeshtskogo meditsinskogo  
universiteta (dir. - prof. Ishtvan Rusn'yak).  
(DIABETES) (ARTERIOSCLEROSIS)

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001031320017-3

HUNGARY/Analytical Chemistry - Analysis of Inorganic Chemistry E-2

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, No 7569

Author : Madyar Jan

Inst : Not Given

Title : Polarographic Determination of Univalent Copper in the Presence of Bivalent Cu in an Ammoniacal Solution of Univalent Copper Acetate.

Orig Pub : Chem. prumysl. 1957, 7, No 6, 299-300

Abstract : A polarographic method for the  $Cu^+$  determination is suggested which makes possible the simultaneous determination of  $Cu^{2+}$ . The results of the polarographic  $Cu^+$  determination are in good agreement with data obtained by the titrimetric method and can be used for its control. The polarogram is run with 1N  $NH_4OH$  + 1N  $NH_4Cl$  as the supporting electrolyte.

MAD'YARI ANDRASH

MAD'YARI ANDRASH (<sup>Profile</sup> ~~Ministry~~ of Agriculture of the Hungarian ~~Popular~~ Republic), for Doctor of Biological Sciences on the basis of dissertation defended 4 Feb 60 in Council of the Institute of Genetics of the Acad Sci USSR, entitled: "Improvement of the Hungarian Grey and Hungarian Red-Variegated Breeds of Long-Horned Cattle with KOSTROMA Bulls." (ENVISSO USSR, 2-61, 25)

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MAD'YAROV, R.S.

Purpose of industry and the protection of the health of workers.  
Nauch. trudy Kaz. gos. med. inst. 14:39-41 '64. (MIRA 8:9)

1. Kafedra istorii Kommunisticheskoy partii Sovetskogo Soyuza i politicheskoy ekonomii Kazanskogo meditsinskogo instituta.

MADZAROV, I.

On some topographic and age-related characteristics of the adrenergic neurovascular skin reactivity. Folia med. (Plovdiv) 6 no.5:309-314 '64

1. Hohes Medizinisches Institut "I.P. Pavlov" zu Plovdiv ,  
Bulgarien Lehrstuhl fuer Haut- und Geschlechtskrankheiten  
(Vorstand: Prof. Dr. B. Batschwarov [Bachvarov, B.]).

MADZHAGALADZE, N. A. Cand Med Sci -- "Nervous apparatus of the circle-of-Willis arteries in norm and in disorders of ~~the~~ cerebral circulation." Tbilisi, 1960 (Acad Med Sci USSR). (KL, 4-61, 210)

-360-

MADZHAGLADZE, N.A.

Innervation of the arteries of the brain. Vop.neirokhir. 24  
no.1:26-31 Ja-F '60. (MIRA 13:10)  
(BRAIN--BLOOD SUPPLY)

MADZHAR, L.

Madzhar, L. - Znachenie i vliianie na faktora na moshtta cos vvrkhu elektrich. tsentrali i nachinite za podobrenieto mu. 70 figuri i 18 tablitsi v teksta 14 prilozhenia. Sofiya, Ministerstvo na elektrifikatsiata, 1951. 134 p.  
(Significance and influence of the factor cos upon electric-power stations, and ways for its improvement.)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No. 9  
Oct. 1953, Incl

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001031320017



MOLOTKOV, L.F.; YUFEROV, V.M.; KRYZHANOVSKIY, A.L.; SHAFRAN, I.K.;  
BORTUNOV, Ye.M.; SOROCHAN, N.G.; MADZHAR, N.I.; VOBOB'YEV, A.F.

Investigating pressures during the rolling of universal strips.  
Izv.vys.ucheb.zav.; chern.met. 5 no.4:76-81 '62. (MIRA 15:5)

1. Dneprodzerzhinskiy metallurgicheskiy institut i Zavod im.  
F.E.Dzerzhinskogo.

(Rolling (Metalwork)) (Pressure)

MADZHAR, P.I.

Work method of V.I. Kravets senior universal mill operator.  
Metallurg no.8:30-31 Ag '56. (MLRA 9:10)

1. Nachal'nik universal'nogo stana zavoda imeni Dzerzhinskogo.  
(Rolling (Metalwork))

MOLOTKOV, L.F., dotsent, kand. tekhn. nauk; YUFEROV, V.M., dotsent, kand. tekhn. nauk; YURKINOV, M.P., inzh.; CHERNEVICH, Ye.M.; BONDARENKO, Ye.M.; SORUCHAN, N.G.; MADZHAR, P.I.

Ways of increasing the output of rolled products acceptable for their mechanical properties during the rolling of M16S, St.3K, and 15KhSND steel on universal mills. Stal' 24 no.9:824-827 S '64.  
(MIRA 17:10)

MADZHAROV, D.

Prolonged muscle relaxation in orthopedic practice. Khirurgiia,  
Sofia 12 no.2:142-146 1959.

(POLIOMYELITIS, surgery,

ostectomy, postop. musc. relaxant ther. (Bul))

(MUSCLE RELAXANTS, ther. use,

in ostectomy in polio., postp. use (Bul))

MADZHAROV, D.

On cutaneous manifestations in anesthesia. Khirurgiia, Sofia  
12 no.10:882-889 '59.

1. Institut za protezirane, vuzstanovitelna khirurgiia i trudo-  
ustroistvo. Direktor: IA. Kholevich.  
(ETHER ETHYL anesth.& analg.)  
(SKIN DISEASES etiol.)

MADZHAROV, D.

Combined barbiturate anesthesia in plastic-restorative surgery  
of the extremities. Khirurgiia, Sofia 13 no.2-3:119-122 '60.

1. Iz Instituta za vuzstanovitelna khirurgiia, protezirane i  
trudoustrojavane.

(EXTREMITIES surg.)

(BARBITURATES anesth. & analg.)

RUSEV, G.; MADZHAROV, D.

Changes of the gas content in the blood in the extremity under the influence of a pneumatic tourniquet. Khirurgia 15 no.5/6: 518-523 '62.

1. Vissh voennomeditsinski institut. Nachalnik: prof. G. Krustinov. Nauchno-izsledovatel'ski institut za vuzstanoitelna khirurgia, protezirane i trudoustroilavane. Direktor: dots. IA. Kholevich.

(EXTREMITIES blood supply)

(CARBON DIOXIDE blood)

(OXYGEN blood)

FILIPOV, S.; IORDANOV, I.; MADZHAROV, D.

The problem of resuscitation and anesthesia in burns. Khirurgia  
15 no.9/10:794-798 '62.

(BURNS) (RESUSCITATION) (ANESTHESIA)



MAIZHAROV, D.

A case of Cheyne-Stokes respiration following administration  
of a muscle relaxant. Khirurgiia (Sofia) 16 no.3:321-322 '63.

(RESPIRATION) (APNEA) (MUSCLE RELAXANTS)

MADZHAROV, D.I.; VALENTINOV, N.

Electrocardiographic changes following anesthesia in children.  
Vest. khir. no.10:91-93 1964. (USSR 1964)

1. Iz nauchno-issledovatel'skogo instituta vosstanovitel'noy  
khirurgii, protezirovaniya i trudoustroystva (dir. - doktor  
Iv. Iliyev), Sofiya, Bolgariya.

MADZHAROV, G.  
MAVRODINOV, N.; SOKEROV, KHR.; MADZHAROV, G.

Some functional manifestations of hypertension during treatment in the health resort of Bianka. Suvrem. med., Sofia 7 no.9:41-48 1956.

1. Iz III vutreshna klinika pri ISUL (Direktor: dots. V. Tsonchev) i sanatoriym No 2-Bankia. (Gl. lekar: D. Kochankov).  
(HYPERTENSION, ther.  
determ. of physiol. manifest. during & after ther.  
in health resort)

KOCHANKOV, D.; MADZHAROV, G.; KUNCHEV, N.; TSVETKOV, T.; DIMCHEVA, L.; KOSTOVA, K.; LUMBARSKI, VL.

Sanatorial therapy of diabetes at Bankia spa. Suvrem. med. Sofia 8 no.3: 37-43 1957.

1. Iz. Sanatorium No. 2 - MSKU - Bankia (Gl. lekar: d-r D. Kochankov).  
(DIABETES MELLITUS, therapy,  
sanatorial (Bul))

MADZHAROV, G., inzh; ILIEV, Iv., inzh.

Speedy shaft sinking and speedy removal of excavated blocks. Min delo 17 no.1:41-43 Ja '62.

1. Kurzhavno minno predpriatie "Gorbuso"

MADZHAROV, Iv.

PROFIROV, D.; MADZHAROV, Iv.

Epidemic of grain itch in Plovdiv. Suvrem. med., Sofia 5 no.4: 50-54 1954.

1. Iz Klinikata po kozhni i venericheski bolesti pri Med. akademija I.P.Pavlov, Plovdiv. Za.: dots. B.Buchvarov.

(MITES,

Pediculoides ventricosus, causing grain itch in Bulgaria)

(DERMATITIS,

grain itch, epidem. in Bulgaria)

TASHEV, Tod.; MADZHAROV, Iv.

A case of congenital anhydrotic ectodermal dysplasia. Suvrem.  
med., Sofia 7 no.10:124-126 1956.

1. Iz Katedrata po psikhiaatria (Zav. katedrata: prof.  
K. Cholakov) i Katedrata po kozhni i vener. bolesti pri VMI  
I.P. Pavlov - Plovdiv (Zav. katedrata: prof. Buchvarov).  
(SKIN, abnorm.  
anhydrous ectodermal dysplasia)

ZLATICV, A.; MADJAROV, I.

Treatment of scabies with Neguvon. Dermato vener Sofia 1 no.3:  
25-27 '62.

1. Iz Katedrata po kozhni i venericheski bolesti pri VMI  
"I. P. Pavlov", Plovdiv (rukov. na katedr. prof. B. Buchvarov).

NESTOROV, Nikola; MADZHAROV, Ivan; ANDREEV, Andrei

Effect of the placenta tissue preparation on the feeding of  
pigs. Izv Zhivotn nauki 1 no.3:45-54 '64.

1. Vasil Kolarov Higher Agricultural Institute, Plovdiv, and  
Institute of Animal Husbandry, Kostinbrod.

MADZHAROV, KH.

"Permanent Rationalizers Exhibition in Sofia." 0

p.20 (Ratsionalizatsiia, Vol. 7, no. 3, Mar. 1957, Sofia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

MADZHAROV, KH.

New displays in the Permanent Rationalizers' Exhibition. p. 1  
Ratsionalizatsii Vol. 8, No. 3, Mar., 1958. Sofia, Bulgaria. 0

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 10,  
Oct. 58



MADZHAROV, KH.

~~TECHNOLOGY~~  
TECHNOLOGY

Periodical: RATSIONALIZATSIIA. Vol. 8, no. 7, July 1958.

MADZHAROV, KH. New exhibits in the "Permanent Rationalizer's Exhibition. p. 15.

Monthly List of East European Accession (EEAI), LC., Vol. 8, no. 2,  
February 1959, Unclass.

KHRISTOV, Khristo Iv., k.t.n. inzh.; MADZHAROV, Lazar, inzh.

Measures against hydraulic impact in pumping stations.  
Khidrotekh i melior 8 no.6:188-189 '63.

TOMOV, I., inzh.; MADZHAROV, N., inzh.

A system of automatic optimization. Elektroenergiia 13 no.1:  
10-13 Ja '62.

MADZHAROV, N.Ye.

Optimization of an automatic search process with presence of random  
disturbances. Trudy MEI no.50:125-134 '63. (MIRA 17:12)

ТОМОВ, Л.; МАШТАРОВ, М.; ПАНОВ, П.С.

Optimization of the control system of steel furnaces with  
the aid of extremal regulation systems. Godishnik mast. tekst.  
1966. - 34-35. - 3 [rus.].

MADZHAROV, Nikola, inz.

A practical method of plotting static characteristics in the throttle automatic control of a synchronous electric motor.  
Elektroenergiia 14 no.1:14-16 Ja '63.

1. MEI, Moskva.

L 2613-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l) IJP(c) BC

ACCESSION NR: AP5019720

UR/0144/65/000/007/0733/0739  
621.395.385

62  
60  
B

AUTHOR: Aleksandrovskiy, N. M. (Candidate of technical sciences, Docent);  
Madzharov, N. Ye. (Engineer) 55

TITLE: Investigation of one class of extremal sampled-data systems under random-noise conditions

SOURCE: IVUZ. Elektromekhanika, no. 7, 1965, 733-739

TOPIC TAGS: automatic control theory, sampled data automatic control 9,55

ABSTRACT: An automatic-control system in which the sampled signal is used for both controlling the actuator and forming the control law is theoretically considered. It is assumed that: The plant is first-order linear; The sampling period is much longer than the total time of control operations. It is found that considerable deviations from the absolute optimum do not seriously affect system

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ACCESSION NR: AP5019720

2

accuracy; the latter increases up to a certain value of gain; beyond that value, the extremum-tracking error becomes higher again because of the increased hunting amplitude. Recommendations for selecting the optimal system gain are given. Formulas are developed for the steady-state error of the sampling-data system subjected to noise; in these formulas, the plant inertia is allowed for. Orig. art. has: 5 figures and 53 formulas.

ASSOCIATION: Moskovskiy energeticheskiy institut (Moscow Power-Engineering Institute) 55

SUBMITTED: 23Dec63

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OTHER: 000

Card 2/2



MADZHAROV, N.Ye.

Problems of statistical dynamics of discrete systems of automatic  
optimization. Trudy MEI no.59:159-174 '65.

(MIRA 18:10)

L 25523-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)

ACC NR: AR6008994

SOURCE CODE: UR/0271/65/000/010/A018/A018

AUTHORS: Aleksandrovskiy, N. M.; Madzharov, N. Ye.

36  
B

TITLE: Investigation of one dimensional 'gradient' systems of automatic optimization under noisy conditions

SOURCE: Ref. zh. Avtomat. telemekh. i vychisl. tekhn., Abs. 10A131

REF SOURCE: Tr. Mosk. energ. in-ta, vyp. 59, 1965, 175-183

TOPIC TAGS: optimal automatic control, automatic control design, automatic control theory, signal noise separation, error correction, statistic analysis

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ABSTRACT: The main indices of the quality of the gradient system for automatic optimization can be the mathematical expectation and the dispersion of the output channel. The indices are functions of the parameters of the controlling part of the system, that is functions of the coefficients of the working and trial steps. An additional correcting automatic optimization system is introduced to effect automatic choice of the parameters on the basis of minimization

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UDC: 62-506

L 25523-66

ACC NR: AR6008994

of the certain statistical quality criterion of the control system. The automatic optimization system with correcting unit includes the block for the analysis of the statistics, a block for the quality criterion, and an automatic optimizer for the adjustment of the parameters, whose output acts on the settings of the coefficients of trial and working steps. The statistics-analysis block calculates the mathematical excitation and the dispersion of the output coordinate, the quality-criterion block calculates the statistical criterion of quality in accordance with a specified algorithm. 6 illustrations. V.L. [Translation of abstract]

SUB CODE: 13

PB

Card

2/2

L 33443-66 EMT:1)

ACC NR: AR6014180

SOURCE CODE: UR/0271/65/000/011/A012/A012

AUTHOR: Yegorov, S. V.; Kosyakin, A. A.; Madzharov, N. Ye. 60

TITLE: Random signal generators intended for studying automatic systems L

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika, Abs. 11A88 25

REF SOURCE: Tr. Mosk. energ. in-ta, vyp. 59, 1965, 229-243

TOPIC TAGS: random signal generator, automatic control, automatic control system, automatic control theory

ABSTRACT: The problem of generating random processes with required characteristics (spectral density and distribution density) is considered; it arises in simulator studies of automatic control systems subject to various random influences. Methods are described for generating time-quantized processes with characteristics close to those of white noise, in a finite infralow-frequency band. The correlation function of such a process is investigated. A method is given for selecting parameters of a forming filter, when the dispersion and approximation error values are specified. Certain methods for generating the random processes are set forth: a method based on selecting and recording a h-f periodic process at time moments separated by random intervals; a method for generating binary noise (generalized telegraph signal); a method for generating a pseudo-random process with arbitrary discrete distribution. Circuits of random-process generators designed with operational amplifiers, Polak trigger, and step switches are presented. Seven figures. Bibliography of 12 titles. V. M. [Translation of abstract]

Card 1/1 SUB CODE: 13, 09 *dy*

UDC: 62-5:519.25

L 4 55-00 ENT(d)/ENP(k)/ENP(h)/ENP(v)/ENP(i) BC

ACC NR: AR6013697

SOURCE CODE: UR/0058/65/000/010/HD51/HD51

AUTHOR: Yegorov, S. V.; Kosyakin, A. A.; Madzharov, N. Ye.TITLE: Random-signal generators for the investigation of automatic systems

SOURCE: Ref. zh. Fizika, Abs. 10Zh345

REF SOURCE: Tr. Mosk. energ. in-ta, vyp. 59, 1965, 229-243

TOPIC TAGS: random process, spectral distribution, automatic control, design, random noise signal, correlation function, very low frequency

ABSTRACT: The problem considered is that of obtaining random processes having stipulated statistical characteristics (spectral density and distribution density), occurring during the investigation of automatic devices subjected to various types of random signals. Methods are described for obtaining processes with time quantization and with characteristics close to those of "white noise" in a certain finite range of infralow frequencies (0 - 10 Hz). The correlation function of such a process is investigated. A method is proposed for selecting the parameters of the shaping filter for specified values of dispersion and approximation error. Certain methods are developed for obtaining the considered random processes, viz., a random-process generation method based on the choice and fixation of the values of a high frequency periodic process at the instants of time separated by random intervals, a method for obtaining a binary noise (generalized telegraph signal), and a method for obtaining a pseudorandom process with arbitrary discrete distribution. Diagrams of

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L 45505-00

ACC NR: AR6013697

random-process generators using operational amplifiers, using a Pollack trigger, and using n-blade step-by-step commutators are presented. V. M. [Translation of abstract]

SUB CODE: 09

hs

Card 2/2

L 05280-67 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l) GD

ACC NR: AT6022693

SOURCE CODE: UR/0000/66/000/000/0266/0272

AUTHOR: Madzharov, N. Ye.

31

ORG: none

B71

TITLE: Application of elements of the theory of statistical decisions to problems of optimal search in discrete systems of automatic optimization

SOURCE: Moscow. Institut avtomatiki i telemekhaniki. Samoobuchayushchiyesya avtomatich-eskiye sistemy (Self-instructing automatic systems). Moscow, Idz-vo Nauka, 1966, 266-272

TOPIC TAGS: optimal automatic control, automatic control theory, control statistics

ABSTRACT: The presence of intense disturbances at the output of a controlled system is the cause for an inaccurate determination of the index of the extremum which leads to the appearance of false motions in the system. The change from continuous random variables to their discrete analogs when solving the problem of selection between two hypotheses stems from the development of techniques of discrete computation on digital computers. The use of discrete control is sometimes the only possible control for systems with complex dynamics. The technique of averaging statistical data substantially depends upon the character and level of the

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L 09230-67

ACC NR: AT6022693

noise. There is an optimal value of the number of search measurements at which the transient period is minimal. The effect of averaging is especially noticeable at a high noise level in comparison with the useful signal. For  $\epsilon > 1$  the decrease of search time will not be large, but in return the probability of the appearance of false steps will always be smaller in comparison with all other methods of processing statistical data. In this case the established error will also be minimal. To some extent this justifies the complication of the logic and circuitry of the computer performing Val'd's successive procedure (Posledovatel'nyy analiz. Flzmatgiz, 1960). In most cases it was assumed in this investigation that the static characteristic of the controlled system was piecewise-linear. This is far from true, but on the other hand it substantially simplifies the analytical investigation. The "stability" of the upper and lower thresholds for a sufficiently wide range of change of the coefficient of slope of the statistical characteristic in the vicinity of the operating point makes it possible to form a sequential analysis of the values of the mathematical expectation of a random variable for any real characteristic of the controlled plant, which is still another advantage of Val'd's method. Orig. art. has: 30 formulas, and 6 figures.

SUB CODE: 12/09/ SUBM DATE: 02Mar66/ ORIG REF: 004/ OTH REF: 001

Card 2/2 *egb*

*MADZHAROVA, D.*  
BULGARIA/Cultivated Plants - Potatoes, Vegetables, Melons. M-3

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10866

Author : Madzharova, D.

Inst :

Title : Spinach Varieties Suitable for Cultivation in the Region Around Sofia.

Orig Pub : Nauchn. tr. M-vo zemed., ser. rasteniyev"dstvo, 1956, 1, No 5, 1-10

Abstract : Over a five-year period three spinach varieties (Zimmiy krupnyy, Viktoriya, and Matador) were tested on the vegetable selection and seed-production station in the village of Negovan, Sofiyskiy rayon, and a study was made of several related agricultural engineering problems. Matador proved to be the best variety (the average yield being 105 centners/hectare). The highest yields were acquired when the spinach was sown as a winter crop on a

Card 1/2

39

BULGARIA/Cultivated Plants. Potatoes. Vegetables. Melons. M

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20362.

Author : D. Madzharova

Inst : Not given.

Title : Harvest Times and Preservation Conditions for Mother Roots. (Sroki uborki i usloviya khraneniya matochnykh korneplodov).

Orig Pub: Ovoshcharstvo i gradinarstvo, 1956, No 6, 57-61.

Abstract: The best time is noted for harvesting vegetable root crops for seed cultivation, namely dry weather with an atmospheric temperature of about +4 to +5°. During the course of 3 years, the mother roots of parsley and parsnip were planted towards winter. The best results were obtained by covering the root heads during planting with a layer of soil of 10-15 cm. With a strong

Card : 1/2



MADZHAROVA D.  
BULGARIA/Cultivated Plants - Potatoes, Vegetables, Melons.

M-5

Abs Jour : Raz Zhur - Biol., No 9, 1958, 39343

Author : Madzharova, D., Georgiyeva, H.

Inst : -

Title : Possibilities of Water-Melon Cultivation in the Sofia Region.

Orig Pub : Ovoshcharstvo i gradinarstvo, 1957, No 3, 35-39

Abstract : The results of tests of different watermelon varieties at the selection and vegetable crops seed growing station in the Negovan village (Bulgaria) in 1954-1955 are given in this paper. Watermelons of the Mramornyy (standard), Slavyanka, Linonka, Archarka, Harshovskiy, Vylkovskiy and Lenskiy varieties were sown, with vetch and peas, as preceding crops. The distance between rows was 1.5 m and the distance among plants in a row was 1 m. Maximum yield (227 cwt/ha) was obtained with the Slavyanka variety. It gave 40-3% more yield than the standard crop, but the size

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"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001031320017-3

Country : BULGARIA

M

Category: Cultivated Plants. Potatoes. Vegetables. Melons.

Abs Jour: RZhBiol., No 11, 1958, No 48959

Author : Madzharova, Despina

Inst : -

Title : Pre-Winter Sowing of Carrots for Obtaining an Early Crop.

Orig Pub: Ovoshcharstvo i gradinarstvo, 1957, No 10, 37-38

Abstract: No abstract.

Card : 1/1

M-71

MADZHAROVA, D. (Bolgariya)

Effect of seed and seedling hardening on the frost resistance,  
early ripening, and productivity of tomatoes. Agrobiologia  
no.5:705-708 S-0 '62. (MIRA 15:11)

1. Opytnaya stantsiya po ovoshchnym kul'turam, Sofiya.  
(Bulgaria--Tomatoes)

BULGARIA

L. GERDZHIKOV, M. STOYANOVA and Kh. MADZHAROVA [Affiliation not given.]

"Treatment of Laryngitis with Penicillin Combinations."

Sofia, Suvremenna Meditsina, Vol 14, No 5, 1963; pp 14-15.

Abstract: Senior author has long been advocating use of single but large doses of combined penicillins to prolong penicillemia beyond that achievable with the commonly used 600,000 units daily for 3 days in streptococcal throat infections. Comprehensive clinical data are now reported on 11 and 7 children treated with the two methods. Results confirm that the combined single massive dose is superior in preventing recurrence, increasing antistreptolysin titers and in other ways improving the clinical conditions.

1/1

GERDZHIKOV, L.; STOIANOVA, M.; MADZHAROVA, KH.

Treatment of anginas with penicillin combinations. Suvr. med.  
14 no.5:14-15 '63.

(PENICILLIN) (TONSILLITIS)

MADZHAROVA, R.

Experiments in cultivating potatoes through seedlings and seeds. Izv.  
Inst biol BAN 10:305-314 '60. (EEAI 10:4)  
(POTATOES)

MADZHAROVA, R.

Research on propagation of potatoes by seeds and tubers from seedlings. Izv Inst biol BAN 11:261-266 '61. (EEAI 10:9)

(Potatoes) (Seedlings)

BULGARIA

MADZHAROVA, Violeta, Dr, Head of Laboratory, State Veterinary Inspection  
(nachalnik na laboratoriyata na durzhaven vetsan nadzor,) Sofia.

"Sanitary and Quality Inspection of Butter."

Sofia, Veterinarna Sbirka, Vol 60, No 6, 1963; pp 27-30.

Abstract: of the annual 8000 tons [metric] of butter produced in Bulgaria, 2000 are exported to England, both Germanys, Czechoslovakia and some Near Eastern and African countries. Yet hygienic conditions in its production are very heterogeneous, poor care in many areas forces destruction of much valuable butter even apart from the frequent lack of good refrigeration and other storage facilities. Some of the major remediable defects and ways to correct them are described and discussed.

APPROVED FOR RELEASE: 08/31/2001, CIA-RDP86-00513R001031320017-  
RADEV, Atanas G., inzh.; MADZHAROVA-KOCHEVA, Antonia, inzh.

Soundproofing of floors in dwellings. Stroitelstvo 9 no.3:16-21 My-Je  
162.

1. Nauchnoizsledovatel'ski stroitel'n institut.

CHI OGOLYA, G.; BERAL, Kh.; VASIL'YEV, P.; POPOVICH, N.; KOSMIN, Anna;  
MADZHARU, M.; YAKOB, A.; LAKATOSH, L.; DIAKU, D.; PATRASHKU, S.

Determination of bismuth in Rumanian drugs by means of EDTA titration.  
Apt.delo 8 no.6:67-69 N-D '59. (MIRA 13:4)

1. Iz Instituta po lintrolyu kachestva medikamentov Ministerstva  
zdravookhraneniya Rumynskoy Narodnoy Respubliki, Bukharest.  
(BISMUTH--ANALYSIS)

POLYAKOV, Vladimir Ivanovich; MADZHIDKHODZHAYEVA, M., red.;  
BABAKHANOV, A., tekhn. red.

[Transformation of the social relations in villages]  
Preobrazovanie obshchestvennykh otnoshenii v derevne.  
Tashkent, Gosizdat UzSSR, 1962. 37 p. (MIRA 16:5)  
(Uzbekistan--Rural conditions)



MADZHIDOV, A.; ABDUVALIYEV, A.; SULTANOV, A.S.

Production of 2,5-dimethyloluran. Uzb.khim.zhur. 9 no.1:72-75  
'65. (MIRA 18:6)

1. Institut ispol'zovaniya topliva Gosudarstvennogo neftekhimicheskogo  
komiteta pri Gosplane SSSR.

MADZHIDOV, F.Kh.

Topography and comparative anatomy of urinary organs of goats  
in Uzbekistan. Dokl.AN Uz.SSR no.1:53-55 '59. (MIRA 12:4)

1. Predstavleno chlenom-korrespondentom AN UzSSR G.A.Kudryavtsevym.  
(Uzbekistan--Goats) (Urinary organs)

USSR / Human and Animal Physiology (Normal and Pathological).  
Nervous System.

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 60812

Author : Madzhidov, N. M.

Inst : Not given

Title : The Unconditioned Vegetative-Vascular (Cutaneous-Temperature) Reflexes with a Unilateral Extirpation of the Superior Cervical Sympathetic Node

Orig Pub : Med. zh. Usbekistana, 1957, No 5, 57-61

Abstract : Immediately after the removal of the superior cervical sympathetic node from all animals (15 cats and dogs), the (Claude-Bernard-Horner) syndrome was noted: enophthalmia, contraction of the pupil and the eye slit, and the appearance of the so-called 3rd lid. On the operated side, the temperature of the skin in the region of the forehead, ear and neck rose, and in some animals it

Card 1/2

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USSR / Human and Animal Physiology (Normal and Pathological).  
Nervous System.

1

Abs Jour : Ref Zhur - Biologiya, No 13, 1958, No. 60812

also rose in other parts of the skin. The temperature asymmetry was equalized within a few days, but there remained an impairment in the vascular adaptation with a dominance of dilation. -- A. M. Ryabinovskaya

Card 2/2

MADE ID-N, ...  
...  
1958. ... (1958, ...)

EXCERPTA MEDICA Sec 8 Vol 12/6 Neurology June 59

2815. CEREBRAL PSEUDO-TUMOUR OF INFLAMMATORY ORIGIN (Russian text) - Shargorodski L. Y. and Madzhidov N. M. - ZH. NEVRO-PAT. I PSIKHIAT. 1958, 58/5 (567-572) Tables 3

An attempt was made to establish data for the differential diagnosis between genuine and pseudo-tumours of the brain. Fifteen patients were studied. The anamnesis revealed that all patients with pseudo-tumours had suffered from a fever or infection. The affection was characterized by a chronic course, with headaches persisting for years. Half the cases showed slight papillary stasis. Study of the CSF, psychopathological examination and PEG made it possible to distinguish between

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the residual manifestations of infectious encephalitis and cerebral tumour. The mounting intracranial pressure in certain inflammatory affections caused disturbances of the higher nervous activities, leading to deafness, somnolence, indolence and apathy. In some cases there were also disturbances of memory, distraction, and bad moods with aspects of asthenic depression. In encephalitis, the focal symptoms manifested themselves more weakly than in cases of tumour, and often showed a more diffuse character. When manifestations of meningo-encephalitic sequelae are associated with mounting intracranial pressure and progressive aggravation of the patient's condition, decompressive trepanation is indicated. This measure, however, must only be resorted to when the various methods of dehydration have proved unsuccessful. (VIII, 14)

MAZHLEDOV, N.M., kand.med.nauk

Primary hemorrhagic meningoencephalitis. Med. zhur. Uzb.  
no.5:43-46 My '60. (MIRA 15:3)

1. Iz kliniki nervnykh bolezney (zav. - prof. L.Ya.  
Shargorodskiy [deceased]) Tashkentskogo gosudarstvennogo  
meditsinskogo instituta.

(ENCEPHALITIS)

MADZHIDOV, N.M., kand.med.nauk; GANIYEV, U.G., kand.med.nauk

Case of a tetanus syndrome following A<sub>2</sub> influenza (winter, 1959). Med. zhur. Uzb. no.5:83-84 My '60. (MIRA 15:3)

1. Iz kafedry infektsionnykh (zav. - prof. T.Kh. Nadzhmiddinov) i nervnykh bolezney Tashkentskogo gosudarstvennogo meditsinskogo instituta.

(TETANUS) (INFLUENZA)



MADZHIDOV, N.M.

Clinical aspects of syringomyelobulbia. Zhur.nevr.1 psikh. 60  
no.9:1120-1122 '60. (MIRA 14:1)

1. Kafedra nervnykh bolezney (ispolnyayushchiy obyazannosti zaveduyushchego - dotsent G.Ya. Pal'yants) Tashkentskogo meditsinskogo instituta.

(SYRINGOMYELIA)

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001031320017-3"

L 63750-65 ENT(d)/EPP(n)-2/EWP(1) IJR(c) WW/BC

ACCESSION NR: AR5003344

S/0271/64/000/011/A052/A052  
62-506

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika. Svochnyy tom, Abs. 11A301 29  
B

AUTHOR: Madzharov, N. Ye. 55

TITLE: Optimizing the process of automatic search under the influence of a random disturbance

CITED SOURCE: Tr. Mosk. energ. in-ta, vyp. 50, 1963, 125-134

TOPIC TAGS: automatic control system, automatic search, optimal automatic search

TRANSLATION: It is pointed out that a random noise at the measuring-element input of an extremal system increases the time of extremum search. The probability of a false searching step can be reduced by a statistical averaging of several controlled-hunting steps, which makes these steps longer and, therefore, increases the total search time. It is noted that the Wald method of statistical sequential analysis is the optimum method with respect to the acceptable number of hunting steps consistent with a sufficiently short search time. This method investigates the random process by observing it and by setting up hypotheses

L 63750-65

ACCESSION NR: AR5003344

about the nature of the process (for example, choosing between two solutions of two alternative situations). The method is peculiar in that it involves (a) a multistage statistical experiment and (b) the decision to desist or continue the experiment depending on a random previous step. Examples are given that illustrate the utilization of the obtained results. Bibliography: 3 titles

SUB CODE: DP, IE

ENCL: 00

*fill*  
Card 2/2

MADZHIDOV, N.M. (Moskva)

Changes in the roots of the cranial nerves in chronic fibrosing  
leptomeningites (arachnites) of the posterior cranial fossa.  
Arkh. pat. 27 no.4:17-22 '65. (MIRA 18:5)

1. Institut morfologii cheloveka (dir. - chlen-korrespondent  
AMN SSSR prof. A.P.Avtsyn) i Nauchno-issledovatel'skiy institut  
nevrokhirurgii imeni Burdenko (dir. - deystvitel'nyy chlen AMN  
SSSR prof. B.C.Yegorov).

MARCHENOV, N.M.

Metformin hydrochloride. belongs to the biguanide group of drugs for  
diabetes mellitus (hyperglycemia) and the treatment of obesity.  
It is a white crystalline powder with a bitter taste.

It is used in the treatment of diabetes mellitus, obesity, and  
hypertension. It is also used in the treatment of hyperlipidemia.  
It is a biguanide derivative. It is a white crystalline powder.  
It is used in the treatment of diabetes mellitus, obesity, and  
hypertension. It is also used in the treatment of hyperlipidemia.

KOPYLOV, M.B.; MADZHIDOV, N.M.

Changes in the cranial bones in leptomeningitis of the posterior  
cranial fossa. Vest. rent. i rad. 40 no.5:71-72 S-0 '65.

(MIRA 18:12)

1. Nauchno-issledovatel'skiy ordena Trudovogo Krasnogo Znameni  
institut neyrokhirurgii imeni akademika N.N.Burdenko AMN SSSR,  
Moskva.

MADZHIDOV, V.M., kandidat med. nauk

Experience in therapy of brucellosis with aureomycin. Sov. med. 18  
no.11:39-40 N '54. (MLRA 7:12)

1. Iz kliniki infektsionnykh bolezney (dir.-zasluzhennyy deyatel'  
nauki prof. T.Kh.Nadzhmitdinov) Tashkentskogo med. instituta  
imeni V.M.Molotova.

(BRUCELOSIS, therapy  
chlortetracycline)  
(CHLORTETRACYCLINE, ther. use  
brucellosis)

**MADZHIDOV, V.M.,** kandidat meditsinskikh nauk

Treatment of brucellosis with streptomycin; preliminary data.  
Klin. med. 32 no.8:51-54. Ag '54. (MIRA 7:10)

1. Iz kliniki infektsionnykh bolezney (dir. zasluzhennyy deyatel' nauki prof. T.Kh.Nadzhmiddinov) Tashkentskogo meditsinskogo instituta V.M.Molotova.

(STREPTOMYCIN, therapeutic use,  
brucellosis)  
(BRUCELLOSIS, therapy,  
streptomycin)

MADZHIDOV, V.M., dotsent

Reinfection in brucellosis. Med. zhur. Uzb. no.12:44-47 D '60.

(MIRA 14:1)

1. Iz kafedry infeksionnykh bolezney (zav. - prof. A.L.Katsenovich)  
sanitarno-gigiyenicheskogo i pediatricheskogo fakul'tetov Tashkent-  
skogo gosudarstvennogo meditsinskogo instituta.

(BRUCELLOSIS)



MADZHIDOV, V.M., dotsent

Peculiarities in the clinical course of brucellosis in recent years.  
Med. zhur. Uzb. no.5:53-56 My '61. (MIRA 14:6)

1. Iz kafedry infektsionnykh bolezney (zav. - prof. A.L.Katsenovich)  
sanitarno-gigiyenicheskogo i pediatricheskogo fakul'tetov Tashkent-  
skogo gosudarstvennogo meditsinskogo instituta.  
(BRUCELLOSIS)

MADZHIDOV, V.M., dotsent

Clinical aspects of septic metastatic (subacute) brucellosis.  
Med. zhur. Uzb. no.7:32-37 J1 '61. (MLA 15:1)

1. Iz kafedry infektsionnykh bolezney (zav. - prof. A.L.Katsenovich)  
sanitarno-gigiyenicheskogo i pediatricheskogo fakul'tetov Tashkentskogo  
gosudarstvennogo meditsinskogo instituta.  
(BRUCELLOSIS)

MADZHIDOV, V.M., dotsent

Hemoculture, myeloculture, and complement fixation reaction in cold  
for antigen detection at various stages of brucellosis infection.  
Med. zhur. Uzb. no.12:55-59 D '61. (MLRA 15:2)

1. Iz kafedry infektsionnykh bolezney sanitarnogo i pediatricheskogo  
fakul'tetov (zav. - prof. A.L.Katsenovich) Tashkentskogo gosudarstvennogo  
meditsinskogo instituta.

(BACTERIOLOGY CULTURES AND CULTURE MEDIA)  
(COMPLEMENT FIXATION) (BRUCELLOSIS)

KATSENOVICH, A.L., prof.; MADZHIDOV, V.M., dotsent; KADYROV, V.K., assistant;  
SHEKHTEL', A.I.; BISEROVA, M.G.; Primali uchastiye: KHAVKINA, Ye.B.;  
SADYMENKO, I.I.; VASIL'YEVA, T.L.; ATAYEVA, T.I.; MYATISHKINA, Z.I.;  
TUTAYEVA, V.F.; SAIDOV, T.I.; YAKHINA, N.I.; SOKOLVA, Ye.G.;  
LOFATO, E.A.; ABDULLAYEVA, N.A.; YELIOKUL'SON, L.M.; BAGDASAROVA, K.A.;  
DENISOVA, A.P.

Some unsolved problems of influenzal infection from the aspect of  
the epidemic of influenza in 1957 and 1959. Med. zhur. Uzb. no.2:  
3-8 F '62. (MIRA 15:4)

(INFLUENZA)

MADZHIDOV, V.M., dotsent (Tashkent)

Duration of brucellosis infection in man. Klin.med. no.3:  
39-46 '62. (MIRA 15:3)

1. Iz kafedry infektsionnykh bolezney (zav. - zasluzhennyy deyatel'  
nauki Uzbekskoy SSR prof. A.L. Katsenovich) sanitarno-gigiyeniche-  
skogo i pediatricheskogo fakul'tetov Tashkentskogo meditsinskogo  
instituta.

(BRUCELLOSIS)

MADZHIDOV, V.M., dotsent

Clinical aspects of residual phenomena following the recovery from  
brucellosis. Sbor.nauch.trud.TashGMI 22:170-178 '62.

(MIRA 18:10)

1. Kafedra infeksionnykh bolezney sanitarno-gigiyenicheskogo i  
pediatricheskogo fakul'tetov (zav. kafedroy - zasluzhennyy  
deyatel' nauki prof. A.L.Katsenovich) Tashkentskogo gosudarstven-  
nogo meditsinskogo instituta.

MADZHIDOV, V. M., dotsent (Tashkent)

Clinical aspects of residual manifestations after a history of  
brucellosis. Klin. med. 40 no.7:21-26 J1 '62.

(MIRA 15:7)

1. Iz kafedry infektsionnykh bolezney sanitarno-gigiyenicheskogo  
i pediatricheskogo fakul'tetov Tashkentskogo gosudarstvennogo  
meditsinskogo instituta (zav. - zasluzhennyy deyatel' nauki  
Uzbekskoy SSR prof. A. L. Katsenovich)

(BRUCELLOSIS)

L'YAKOV VA, N. N.; KADIMOV, Y. V.; KADIMOV, N. K.; KADIMOV, N. K.;  
CHAYKA, G. A., red.

(Clinical aspects of oncology in children) Klinika  
bratselleca u detsi. Tashkent, Indig. K. Z. N., 1964, 15, 1.  
1964, 15, 1.



L 1915-66 EWT(l)/EWA(j)/EWA(b)-2 JK

ACCESSION NR: AP5020065

UR/0242/65/000/006/0055/0058

AUTHOR: Madzhidov, V. M. (Doctor of medical sciences)

30  
27  
E

TITLE: Classification of clinical forms of brucellosis

SOURCE: Meditsinskiy zhurnal Uzbekistana, no. 6, 1965, 55-58

TOPIC TAGS: brucellosis, clinical medicine

ABSTRACT: The five stage classification developed by N. I. Ragoza 25 years ago now requires the addition of a 6th stage. The five stages are the first latent, acute septic, septic-metastatic, chronic, and second latent, all described in the article. In the chronic stage, a primary and secondary form must be differentiated, the latter having identical but milder symptoms. The new 6th stage includes metabrucellosic changes and para-allergic post-brucellosic clinically residual signs. The metabrucellosis is characterized by rare organic changes in the liver, spleen, and peripheral nervous system. The residual signs occur after bacteriologic recovery, have a functional character, and consist of various

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L 1915-66

ACCESSION NR: AP5020065

sensations of pain indicating vegetative disturbances and sensitization of the organism. Positive serologic reaction may persist for a long time. Orig. art. has: 1 figure

ASSOCIATION: Kafedra infeksionnykh bolezney pediatricheskogo i sanitarnogigienicheskogo fakul'tetov Tashkentskogo meditsinskogo instituta (Tashkent Medical Institute, Department of Infectious Diseases of the Pediatric and Sanitation-Hygiene Faculties)

SUBMITTED: 10May64

ENCL: 00

SUB CODE: LS

NR REF SOV: 002

OTHER: 000

Card 2/2

L 12858-66 EWT(1)/EWA(j)/T/EWA(b)-2 JK

A2C NR: AP5028176

SOURCE CODE: UR/0242/65/000/007/0028/0031

AUTHOR: Madzhidov, V. M. (Doctor of medical sciences)

ORG: Department of Infectious Diseases of the Sanitary-Hygiene and Pediatrics Faculties, Tashkent Medical Institute (Kafedra infektsionnykh bolezney sanitarnogigiyenicheskogo i pediatricheskogo fakul'tetov Tashkentskogo meditsinskogo instituta)

TITLE: Latent brucellosis

SOURCE: Meditsinskiy zhurnal Uzbekistana, no. 7, 1965, 28-31

TOPIC TAGS: brucellosis, infective disease, epidemiology, animal disease

ABSTRACT: Essentially healthy people with positive seroallergic reactions are relatively frequently found in epidemic foci brucellosis. Such reactions are sometimes a manifestation of the primary latent form of brucellosis, sometimes a sign of resistance to infection resulting from natural immunity. The symptoms of the primary latent form of brucellosis are very faint in a number of individuals, and are expressed as slight enlargement of the liver, spleen, and lymph nodes, autonomic

Card 1/2

L 12858-66

ACC NR: AP5028176

disturbances (hidrosis, bradycardia), vague pain in the extremities. The length of time the positive reaction persists depends on local enzootic conditions. In places where positively-reacting individuals are exposed to repeated super- and reinfections, the seroallergic reactions may remain positive a long time owing to the penetration of new brucellas into the body (additional antigenic stimulation). But when there is no possibility of super- or reinfection, the seroallergic reactions gradually subside and disappear.

SUB CODE: 06/ SUBM DATE: 10May65/ ORIG REF: 000/ OTH REF: 000

Card 2/2

HW

MADZHIDOV, V.M.

Clinical aspects of brucellosis in vaccinated patients.  
Sov. med. 27 no.12:80-83 0 '64. (MIRA 18:11)

1. Kafedra infektsionnykh bolezney (zav.- doktor med. nauk  
V.M. Madzhidov) sanitarno-gigiyenicheskogo i pediatricheskogo  
fakul'tetov Tashkentskogo meditsinskogo instituta.

MADZHIROVA, L. D.

MADZHIROVA, L. D. -- "The Formation Stages of the Fertility Organs of Rice as Related to the Conditions of Growth and Development." Moscow Order of Lenin and Labor Red Banner State University imeni M. V. Lomonosov, Faculty of Soil Biology, Krasnodar, "Soviet Kuban," 1956. (Dissertation for the Degree of Candidate of Biological Sciences)

SO: Knizhnaya Letopis' No 43, October 1956, Moscow

MADZHIROVA L.D.

USSR/Physiology of Plants - Growth and Development.

I-4

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10429

Author : Madzhirova, L.D.

Inst : All-Union Experimental Rice Station (Krasnodar)

Title : The Influence of Light and Temperature on the Development of the Fundamental Stages of Rice Organogenesis.

Orig Pub : Vestn. Mosk. un-ta, ser. biol., pochvoved., geol., geogr., 1956// No 2, 81-94

Abstract : In 1954-1955 at the All-Union Experimental Rice Station in Krasnodar the development of the growth cone /konus narastaniya/ of the late-ripening sort UZROS-269 was observed. A description of 12 stages of the organogenesis of the rice raceme is given. The influence of the amount of illumination, as well as its intensity and quality, on the speed with which the rice passed through various stages was

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by also impeded passage through the second stage. Changes in the temperature of the covering layer of water had almost no effect on the development of the first three stages

Card 2/3 APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001031320017-

USSR/Physiology of Plants - Growth and Development.

I-4

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10429

of organogenesis. During the fourth and fifth stages increasing the temperature to 28-35° (the temperature of the control being 20-25°) speeded up development by two or three days, and there was also a sharp rise in the number of ears as well as in the amount of grain which they contained. Reducing the temperature (to 15° or 20°) had the opposite effect. Bibliography of 14 titles.

Card 3/3

MADZHIROVA L. D.

USSR/Cultivated Plants. Gr. ins.

H

Abs Jour : Ref Zhur-Biol., No 15, 1956, 60131

Author : Madzhirova, L. D.  
Inst : All-Union Rice Experiment Station (Krasnodar). Moscow State University.  
Title : Basic Stages of Rice Organogenesis and Some of Their Characteristics.

Orig Pub : Agrobiologiya, 1956, No 6, 73-82

Abstract : In 1954-1955, a study was made at the All-Union Rice Experiment Station in Krasnodar and at the Department of Darwinism of the Moscow State University of panicle formation in plants of late-maturing rice varieties. UZROS 269 rice variety was investigated. There are 12 stages in the formation of rice

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USSR/Cultivated Plants. Grains. H

Abs Jour : Ref Zhur-Biol., No 15, 68131

panicles, analogous to the stages of wheat organogenesis as determined by F. H. Kuperman. In the first stage (undifferentiated growth cone) neither length nor intensity of illumination, nor the quality of the light had any effect on tempi of morphogenesis; this stage lasted about 12 days in all variants. In the second and third stages (before the panicles put out branches, and before the ear tubercles form) the plants require a short day. Lengthening the day severely retarded the completion of the second stage. In the fourth stage (when the panicles and ear tubercles put out branches) the plants' light needs are in the blue-violet part of the spectrum. In the sixth stage (differentiation of sporogenous tissues)

Card : 2/3

USSR/Cultivated Plants. Grains. H

Abs Jour : Ref Zhur-Biol., No 15, 1958, 68131

the degree of illumination is of overwhelming significance for the plants. Raising the temperature of the covering layer of water accelerates completion of the fourth and fifth stages, causes a sharp increase in the number of ears, and heightens the fertility of the flowers; reducing the temperature after the light stage causes a sharp decline in the number of ears and the amount of grain they contain. -- G. M. Chernov

Card : 3/3

MADZHIRSKI, V.Kh.; KUZOV, K.P.

Studies on the parameters of the flow before the radial  
paddle wheel. Godishnik mat elekt 8:41-50 '60. (publ. '61).

<sup>Kh</sup>  
MADZHIRSKI, V.; SENDOV, St.

Determining the position of the incoming edge of the paddles in centrifugal paddle wheels. Godishnik mash elekt 8:51-59 '60. (publ. '61).

<sup>Kh</sup>  
MADZHIRSKI, V.; CHICHOV, E.

Boundaries of the initial and transient parts at the mixing of two currents in a cylindrical tube. Godishnik mash elekt 10 no.3:65-74 '61 (publ. '62).

I. 33246-66 EWP(k)/EWT(m)/T/EWP(t)/ETI IJP(c) JD/HW

ACC NR: AR6016225

SOURCE CODE: UR/0058/65/000/011/E044/E044

AUTHOR: Madzhitov, A. A.

TITLE: X ray investigations of plastic deformation of single crystals of copper in uniaxial tension

SOURCE: Ref. zh. Fizika, Abs. 11E342

REF SOURCE: Tr. Karakalpaks. gos. ped. in-t, vyp. 2, 1964, 235-244

TOPIC TAGS: copper, aluminum, crystal deformation, plastic deformation, tensile strength, crystal lattice distortion

ABSTRACT: Experimental results are presented of an investigation of the structural changes occurring on large tension deformations of single crystals of Cu with different orientations. The character of the disorientation of the blocks produced during the deformation is clarified. The difference between the deformation structure of the crystals with different orientations is established, and also the difference between the deformation structures of Cu and Al crystals with identical orientations. In Cu crystals with orientation of the axis along the  $\langle 105 \rangle$  direction, at large deformations, regions were observed in which disorientation of the lattice takes place, this disorientation being close in character to the case of formation of deformation twins. An estimate is made of the upper limit of the variation of the lattice parameter. An essentially different deformation structure is obtained in the region of the neck compared with the remaining part of the crystal. [Translation of abstract]

SUB CODE: 20

Card 1/1 *dy*

L 53690-66 EWT(l)/EWT(m)/EWP(w)/EWA(a)/EPR/T/EWP(+)/EEC(b)-2/EWP(k)/EWP(b)/  
 EWA(c) Ps-4/Ps-4/Pi-4 LJP(c) JD/KW/GG  
 ACCESSION NR: AP5008779 S/0126/65/019/003/0349/0353  
 548.73

51  
49  
B

AUTHOR: Yelistratov, A. H.; Madzhitov, A. A.

TITLE: X-ray study of defects in single crystals of aluminum and copper with low uniaxial tensile deformation

SOURCE: Fizika metallov i metallovedeniye, v. 19, no. 3, 1965, 349-353

TOPIC TAGS: tensile property, single crystal deformation, dislocation effect, x ray scattering

ABSTRACT: Anomalous scattering of x-rays by single crystals of aluminum (99.98%) and copper (99.96%) which had been uniaxially deformed to 0.5-1% is photographically analyzed. It is shown that slight deformation causes diffusive scattering of x-rays which can be studied only as scattering due to dislocation defects. In the case of copper this scattering may be due to dislocation loops. There is a considerable difference in the scattering patterns of single crystals of each material which is explained by the difference in anisotropy. Although the results are considered preliminary, it is shown that defects caused by small deformations may be

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L 53690-65

ACCESSION NR: AP5068779

2

studied by the method of anomalous scattering in single crystals. Future investigations should be directed toward an examination of lattices with various directions of deformation and the construction of a theory of scattering with concrete models of dislocation configurations. Orig. art. has: 3 figures.

ASSOCIATION: Institut poluprovodnikov AN SSSR (Institute of Semiconductors, AN SSSR); Karakalpakskiy gospedinstitut (Kara-Kalpak State Pedagogical Institute)

SUBMITTED: 08Apr64

ENCL: 00

SUB CODE: MM

NO REF SOV: 006

OTHER: 001

Card 2/2

1. V. HUGA, Gennadiy VIKTOROVICH (born 1943, Leningrad, U.S.S.R.)  
2. V. HUGA, Gennadiy VIKTOROVICH (born 1943, Leningrad, U.S.S.R.)

(actory listed in sub-section entitled "List of  
perzhnevye divigateli" (engines of perzhnevye) and "Al-  
ve" (engine) (see also "Alve" engine, "Alve" en-  
ze. IV "Alve" engine (see also "Alve" engine).

L 23572-66 EWT(m)/T DJ  
ACG NR: AP6002599 (A)

SOURCE CODE: UR/0286/65/000/023/0094/0094

AUTHORS: Bobryshev, O. V.; Madzhugin, L. Ye.

28  
37  
B

ORG: none

TITLE: Duct for transporting (principally pneumatic) devices. Class 81, No. 176822

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 23, 1965, 94

TOPIC TAGS: pipeline ~~transportation system~~, pneumatic device, *hydraulic equipment*

ABSTRACT: This Author Certificate presents a duct for transporting (principally pneumatic) devices. The duct includes a fixed and a movable fitting which are interconnected with rings placed in a plane inclined to the axes of the fittings (see Fig. 1). To provide the motion of the movable fitting in the plane of the fitting axes, the fittings are coupled with rings using additional fittings which are rotatable or counterrotatable and are interconnected with arms. The arms are rigidly fastened to each of the fittings respectively and are swivel-coupled together. The axis of the swivel is in the plane of rotation of the rings. The drive of the additional fittings is accomplished with hydraulic cylinders fastened

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UDC: 621.867.85 2



L 23572-66

ACC NR: AP6002599

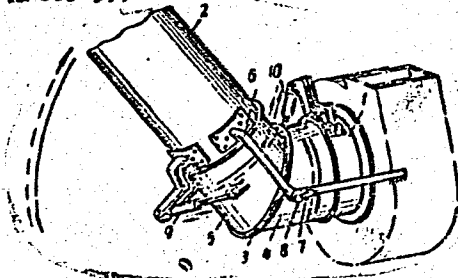


Fig. 1. 1 - fixed fitting;  
2 - movable fitting; 3 - rings;  
4 and 5 - additional fittings;  
6 and 7 - arms; 8 - swivel;  
9 and 10 - hydraulic cylinders. ||

to the main fittings. The piston shafts of the hydraulic cylinders are connected to the additional fittings. Orig. art. has: 1 diagram.

SUB CODE: 13/

SUBM DATE: 12Aug63

Card 2/2

PB

OSTROVSKIY, Yu. M.; LUKASHIK, N. K.; RAZUMOVICH, A. N.; TREBUKHINA, R. V.; DOSTA, G.;  
BALAKLEYEVSKIY, A. I.; MADZHUL, A.

"On the Participation of Thiamine in Specific and Nonspecific Regulation of Some  
Metabolic Pathways."

report submitted for 6th Intl Biochemistry Cong, New York City, 26 Jul-1 Aug 1964.

MLADZHOV, L.; MADZHUNOV, D.

Drawing and broaching of profile openings. Mashinostroena 12 no.  
6:43-47 S '63.

MADZIAR, J.

Prospects for the Gdynia Port. p.73

TECHNIKA I GOSPODARKA MORSKA. (Naczelna Organizacja Techniczna, Morski Instytut Techniczny i Morski Instytut Tybacki) Gdansk, Poland. Vol.9, no.3, Mar. 1959

Monthly List of East European Accessions Index, (ERAT) IC, Vol.9, no.6  
June 1959  
Uncl.

LACHMAJER, Roman, mgr inz.; MADZIAR, Jerzy, mgr inz. (Gdansk)

Fourth International Port Congress in Antwerp. Tech gosp  
morska 14 no.10:293-295 0 '64.

MADZIAR, Jerzy, mgr inz. (Gdynia)

After war development of the Rumanian Quay in the Gdynia Seaport.  
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