

Experimental investigation

29064
S/179/61/000/004/007/019
E195/E335

values of δ , 30-40% lower. The investigation was extended to include tanks of both spherical and conical shapes. Natural frequencies and damping coefficients were determined from the formulae:

$$\omega = C_1(g/r_0)^{1/2}, \quad \delta = C_2 1.84\pi / (R_0)^{1/2}$$

for spheres, and

$$\omega = C_1(18g/r_0)^{1/2}, \quad \delta = C_2 1.84\pi / (R_0)^{1/2}$$

for cones, where r^0 is the radius of the free surface and r_0 is the radius of spheres. The dependence of C_1 and C_2 , in spheres, on relative depth is shown in Figs. 14 and 15. For cones the variation of C_1 and C_2 with inclination angle α is shown in Figs. 16 and 17. The cone formulae were obtained for fluid depths $h > r_0$ and for amplitudes of up \times

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Experimental investigation

to $0.01 r^0$ at the wall. For amplitudes exceeding $0.01 r^0$ and angles of inclination $\alpha > 10^0$ the damping coefficient does depend on the amplitude of oscillations; thus, when $\alpha = 17^0$ and the amplitude equal $0.1 r^0$ the value of damping coefficient is doubled. There are 17 figures and 1 Soviet reference.

SUBMITTED: April 7, 1961

Fig. 14:

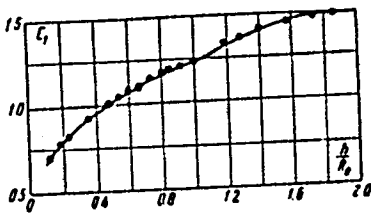
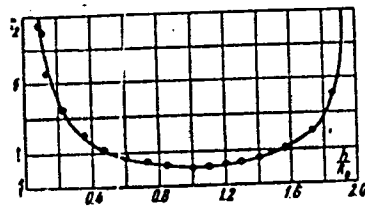


Fig. 15:



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MIKISHEV, G.N.; NEVSKAYA, Ye.A.; MEL'NIKOVA, I.M.; DOROZHKIN, N.Ya.

Experimental study of the perturbed motion of a solid body
containing cavities partially filled with liquid. Kosm.issl.
3 no.2:208-220 Mr-Ap '65. (MIRA 18:4)

DOROZHKIN, S.D.

Broaden the exchange of experience. Geod. i kart. no.1:35-40 Ja '57.
(MIRA 10:3)

(Cartography) (Aerial photogrammetry)

SOV/24-58-11-11/42

AUTHORS: Dorozhkin, V. S., Zheltov, Yu. V. and Zheltov, Yu. P.
(Moscow)

TITLE: On the Movement of a Mixture of Liquid with Sand in the Well and in the Crack During Hydraulic Fracture of an Oil Bearing Stratum (O dvizhenii smesi zhidkosti s peskom v skvazhine i treshchine pri gidravlicheskom razryve neftenosnogo plasta)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, Nr 11, pp 37-42 (USSR)

ABSTRACT: In the process of hydraulic breaking up of an oil bearing stratum sand penetrates into the cracks which form in the rocks and the penetrated sand prevents the closing together of these rocks when the liquid pressure is reduced. Until the sand reaches the crack it has to travel a considerable distance along the vertical tube. Therefore, for selecting a rational technology of the process of breaking up a stratum it is important to know the hydro-mechanical picture of motion of a mixture of liquid with sand, both along the crack and in the vertical tube. Special experiments were carried out to verify whether available relations are applicable for such

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On the Movement of a Mixture of Liquid with Sand in the Well and
in the Crack During Hydraulic Fracture of an Oil Bearing Stratum

coarsely disperse suspensions as mixtures of liquid and sand; the experimental set-up is shown diagrammatically in the sketch, Fig.1. The basic liquid used in the experiments was glycerine and for obtaining various viscosities the glycerine was diluted with water; furthermore, sulphite-alcohol distillery refuse was used, which is frequently applied in the oil industry as a liquid for breaking up strata. As sand, quartz sand with the fractions 0.6-0.85 mm was used and in some of the experiments sand of other fractions was used. Curves calculated on the basis of the relations expressed by Eqs.(2.1), (2.8) and (2.11) are plotted in the graph, Fig.6; in the same graph the values determined in the here described experiments are also plotted. There are 6 figures and 1 Soviet reference.

ASSOCIATION: Institut nefti. AN SSSR (Oil Research Institute, Ac.Sc. USSR)
SUBMITTED: May 9, 1958

Card 2/2

DUNKE, N.A.; DOROZHKIN, Yu.N.

Research on the effectiveness of mineral fertilizers in experiment
ponds of the "Shemetovo" Fish Farm. Trudy Biol. sta. na oz. Naroch'
no.1:131-142 '58. (MIRA 12:7)
(Fish ponds) (Zooplankten)

BULYGIN, I.A.; DOROZHKIN, Yu.N.

Characteristics of electrical cortical reactions from some
interoceptive and exteroceptive fields. Dokl. AN BSSR 8
no. 1:63-65 Ja '64. (MIRA 17:5)

1. Institut fiziologii AN ESSR.

EULYGIN, I.A.; DOROZHKIN, Yu.N.

Hexonium effect on interoceptive and exteroceptive cortical
reactions. Dokl. AN BSSR 9 no.12:835-837 D '65.

(MIRA 19:1)

1. Institut fiziologii AN BSSR.

DOROZHKO, P.

Methods of irrigating agricultural crops. Tekhsovety MTS 13, No 23, 1952.

1. DOROZHKO, P. K., Eng.
2. USSR (600)
4. Irrigation Canals and Flumes
7. Technology and organization of farm crop irrigation.
Dost. sel'khoz. No. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

30(1)
AUTHOR:

Dorozhko, P.K., Engineer

SOV/99-59-10-7/11

TITLE:

Extra-mural Session of the Scientific Council of the VNIIGiM at the "Pakhta-Aral" Sovkhoz

PERIODICAL:

Gidrotekhnika i melioratsiya, 1959, Nr 10, pp 58-60 (USSR)

ABSTRACT:

The Extra-mural Session of the Uchennyi soviet Vsesoyuznogo nauchno-issledovatel'skogo instituta gidrotekhniki i melioratsii imeni A.N. Kostyakova (Scientific Council of the All-Union Research Institute for Hydraulic Engineering and Melioration imeni A.N. Kostyakov) was held from 15-17 July 1959 at the "Pakhta-Aral" sovkhos (Kazakh SSR) and was devoted to the introduction and further development of sprinkling and other methods of mechanized watering in cotton-growing districts. The Session was attended by representatives of 76 research, planning, construction and operating organizations connected with the water economy of the Kazakh, Uzbek, Turkmen, Tadzhik, Kirgiz, Azer-

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SOV/99-59-10-7/11

Extra-mural Session of the Scientific Council of the VNIIGiM at the "Pakhta-Aral" Sovkhoz

baydzhan, Georgian, Armenian, Moldavian and Ukrainian republics, and also by representatives of cotton sovkhozes and kolkhozes in the Golodnaya step' region. The Session heard the following papers: Director of VNIIGiM, Corresponding Member of the VASKhNIL, A.M. Tsarevskiy on "The Introduction of New Irrigation Equipment in Cotton-growing"; the Director of the "Pakhta-Aral" sovkhoz V.N. Kulikov on "The Results and Prospects of Using Sprinkling Equipment on the "Pakhta-Aral" Sovkhoz"; Senior Agronomist of the "Pakhta-Aral" sovkhoz A.V. Paradiyev on "The System of Agromeliorative Measures on the "Pakhta-Aral" Sovkhoz in Irrigating Cotton with Sprinklers"; Candidate of Agricultural Sciences P.S. Rymar' of the VNIIGiM on "The Scientific and Practical Results of Studies of Cotton Sprinkling"; Candidate of Engineering Sciences N.N. Bukov of the VNIIGiM on "The Technical and Economic Indices of Sprinkling Machines"; Candidate of

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SOV/89-59-9-7/11

Extra-mural Session of the Scientific Council of the VNIIGiM at the "Pakhta-Aral" Sovkhoz

Engineering Sciences N.N. Nechayev of the Uzbekskaya dozhdeval'naya stantsiya (Uzbek Sprinkling Station) on "Experience From the Introduction of Sprinkling in the Uzbek SSR"; Candidate of Agricultural Sciences V.M. Romanov of the VNIIGiM and N.F. Bupalov of the Pakhta-Aral'skaya opyt'naya stantsiya (Pakhta-Aral Experimental Station) on "Cotton-watering Routines With Sprinklers"; Candidate of Agricultural Sciences M.V. Preobrazhenskaya of the VNIIGiM on "The Course of the Water-Salt Cycle in Soils With Sprinkling"; Candidate of Agricultural Sciences A.I. Orlov of the VNIIGiM on "The Economic Efficacy of Irrigating Cotton With Sprinklers"; Engineer Kh. G. Ibragimov of the VNIIGiM on "The Experience of Organizing Planned Water Utilization in Sprinkling Cotton Over Large Areas"; Candidate of Engineering Sciences N.A. Grigoryan of the VNIIGiM on "The Experience of Using

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SOV/99-59-9-7/11

Extra-mural Session of the Scientific Council of the VNIIGiM at the "Pakhta-Aral" Sovkhoz

Sprinkling Machines on the "Pakhta-Aral" Sovkhoz"; Candidate of Engineering Sciences N.P. Samsonova of the VNIIGiM on "Leveling Irrigable Areas With Long-Framed Levelers"; Engineer I.I. Velichko of the VNIIGiM on "The Irrigation of Cotton and Other Agricultural Crops With a Watering Installation Made of Flexible Pipes". In the discussion on points raised in the papers there participated: the Senior Engineer of the "Pakhta-Aral" sovkhov M.Ya. Tolpado, Senior Hydraulic Technician of the sovkhov P.N. Yur'yev, Senior Agronomist of the Sovkhoz imeni Kominternu B.V. Kozlov, a mechanic of the section imeni Dzerzhinskiy Terzi, scientific personnel - Sh. Mustafayev of the Azerbaydzhanskaya dozhdeval'naya stantsiya (Azerbaydzhani Sprinkling Station), I.S. Popova of the Pakhta-Aral Experimental Station, P.P. Moskal'tsov of the Tsentral'naya opytno-meliorativnaya stantsiya (Central Experimental Meliorative Station) N.A. Peresyepkin

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SOV/99-59-10-7/11

Extra-mural Session of the Scientific Council of the VNIIGiM at the "Pakhta-Aral" Sovkhoz

and Maslennikov of the Uzbek Sprinkling Station, D.N. Samarkin of the Turkmenskiy nauchno-issledovatel'skiy institut zemledeliya (Turkmen Research Institute for Agriculture), D.M. Kervalishvili of the Georgian NIIGiM, Said-Khodzhayev of the Ak-Kavakskaya opytnaya stantsiya (AK-Kavakskaya Experimental Station), E.M. Lebedev of the VISKhOM, I.D. Panenko of the Moldavskiy institut oroshayemogo zemledeliya (Moldavian Institute for Irrigation Agriculture), N.P. Nemkova of the Yuzhno-Kazakhstanskoye oblsel'khoz-upravleniye (Southern Kazakhstan Oblast Agricultural Board), Engineers N.K. Mozhgil' of the Ukgiprovodkhoz, V.F. Shilovtsev of the Azgiprovodkhoz, P.I. Denisov of the Gosstroy of the USSR, etc. The Session discussed the promising results from the use of sprinklers and watering installations of flexible pipes in the irrigation of cotton-growing areas, quoting the increased cotton yields from cotton farms where these had been

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SOV/99-59-10-7/11

Extra-mural Session of the Scientific Council of the VNIIGiM at the "Pakhta-Aral" Sovkhoz

adopted. The DDA-100M sprinkler (designed by the VNIIGiM) had given good service on the "Pakhta-Aral" sovkhos but the Session criticized the Tashirmash Plant for producing defective and poor-quality sprinklers and other meliorative machinery. To help extend the use of watering equipment on cotton farms intensified research on such equipment is required. The Uzbekskaya akademiya sel'skokhozyaystvennykh nauk (Uzbek Academy of Agricultural Sciences) should encourage and equip the Uzbekskaya dozhdeval'naya stantsiya (Uzbek Sprinkling Station) and organize a chain of supporting centers to introduce watering equipment in the Golodnaya Step' and Khorezm region. A supporting center of the Kazakhskiy institut vodnogo khozyaystva (Kazakh Institute of Water Economy) should be organized at one of the sections of the "Pakhta-Aral" sovkhos and a Sprinkling Laboratory at the Muganskaya opytno-meliorativnaya stantsiya (Muganskaya Experimental

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SOV/99-59-10-7/11

Extra-mural Session of the Scientific Council of the VNIIGiM at the "Pakhta-Aral" Sovkhoz

Melioration Station) to cover the Azerbaydzhan SSR. The Session felt that the Tashirmash Plant should increase its output of PT-4A leveling machines to cover the needs of the cotton-growing regions, since leveling greatly increases the efficacy of sprinkling. The Session also advises research and practical work for the improvement and wider use of watering installations of flexible pipes.

Card 7/7

1. DOROZHKO, V.
2. USSR (600)
4. House Painting - Novaya Kakhovka
7. Experience with the work of a painting crew on the construction of residential buildings in the city of Novaya Kakhovka, Biul. stroi. tekhn., 10 No. 2, 1953

9. Monthly List of Russian Accessions. Library of Congress. May 1953. Unclassified.

FEKHTEREV, V., konstruktor; DOROZHKO, V., konstruktor

The "Vega-2" camera. Sov.foto 23 no.1:36-37 Ja '63. (MIRA 16:5)
(Cameras)

DOROZHKO, V. A.

Recurrence of epidemic cerebrospinal meningitis. Sov. med.
20 no.4:70-72 Ap '56. (MLRA 9:8)

1. Iz kliniki infektsionnykh bolezney (direktor professor
A. I. Lukova) Saratovskogo meditsinskogo instituta.
(ENCEPHALITIS, EPIDEMIC,
recur. (Rus))

SHMELEV, N.A., prof.; DOROZHKOVA, I.R.; DOBYCHINA, A.I. (Moskva)

Staphylococcal and toxico-allergic pneumonia in pulmonary tuberculosis. Vrach.delo no.3:3-8 Mr '63. (MIRA 16:4)

1. Tsentral'nyy institut tuberkuleza Ministerstva zdravookhraneniya SSSR. 2. Deystvitel'nyy chlen AMN SSSR (for Shmelev).
(STAPHYLOCOCCAL DISEASE) (PNEUMONIA) (TUBERCULOSIS)

DYKHNO, M.M.; KOCHMASOVA, Z.N.; DOROZHKOVA, I.R.

Study of the sensitivity of mycobacteria to antibiotics and
chemotherapeutic preparations. Antibiotiki 8 no.7:597-601
Jl'63 (MIRA 17:3)

1. Kafedra mikrobiologii (zav. - prof. M.N.Lebedeva) i Moskov-
skogo meditsinskogo instituta imeni Sechenova i mikrobiologi-
cheskaya laboratoriya (zav. - prof. A.I.Kagramanov) Instituta
tuberkuleza Ministerstva zdravookhraneniya SSSR.

DOROZHKOVA, I.R.

Phagotyping of staphylococci isolated from tuberculosis patients
and medical personnel. Zhur. mikrobiol., epid. i immun. 41 no.11:
90-94 '65. (MIRA 18:5)

1. Tsentral'nyy institut tuberkuleza Ministerstva zdravookhraneniya
SSSR.

DOROZHNOV, A. V.

Effectiveness of liming light-gray forest-steppe soils.
V. P. Nartsissov and A. V. Dorozhnov (State Agr. Expt.
Sta., Gorki). *Zemledelie* 1953, No. 1, 31-8. — Addns. of
limestone to these soils increase the effectiveness of fertilizer
and manure on all crops in the rotation. J. S. Joffe

DOROZHNOV, A. V.

U S S R .

9909* Experiment in the Use of Organic and Mineral Mixtures. Opyt primeneniia organo-mineral'nykh smesei. (Russian.) T. V. Chanov, I. N. Pantelev, and A. V. Dorozhnov. *Zemledelie*, v. 3, no. 5, May 1955, p. 66-72.
Mixtures of lime, superphosphates, phosphorite, composts, etc. used on the soils of several areas. Yields of potatoes, cereal grain plants, and cabbage. Recommendations. Tables.

63669-51

ACCESSION NR: AR5003351

8/0271/64/000/011/B011/B012
681.142.2

16

B

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika.
Svodnyy tom, Abs. 11B72

AUTHOR: Siemenisty, V. M.; Dorozhovsky, Ye. S.

TITLE: Universal program for processing the results of a planar strain gauging
for the "Ural" digital computer

CITED SOURCE: Sb. nauchn. rabot aspirantov L'vovsk. politekhn. in-ta, no. 2, 1963
44-49

TOPIC TAGS: data processing, strain gauge data processing, computer data processing

TRANSLATION: A universal program is suggested which permits processing the measured
deformations for several types of planar rosettes. The source-data tape is obtained
from experiments. The zone (in this case 100) is embossed on the tape. Sensor
readings in the octonary system and the type of rosette are punched in the same
frame. A pattern of frame punching of the source-data tape is shown. The entire
program of estimating deformations and stresses on the basis of the measured
relative deformations, in the planar rosette, is broken into variants which depend
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L 63669-65

ACCESSION NR: AR5003351

On the narrower problem of the experiment. Five variants are considered, and design formulas for each of them are given. The work program occupies the 0001-0541 storage cells in the octonary number system. The cells 0546-0666 are used for the work. The values of elastic constants and the coefficients derived therefrom can be introduced from the computer desk or by a separate tape. A pattern of the octonary-system constants on the tape is presented. Data is introduced into the machine memory at the 0700 cell. The maximum number of measurements being processed is 1599 which corresponds to 533 planar rosettes of the sensors. The tape length carrying the measurement data and the zone number is 326.5 cm. A worklength of 3.5 m is used. The zone 1 and the workprogram (zone 3) are introduced initially in the digital computer. The number $n+0677$ (where n is the number of measurements in the octonary system) is introduced into 0023 cell. Next, the source-data tape is introduced. The variant solutions are effected by turning the corresponding switches. Calculation of one variant, a combination of several variants, or all variants is possible. A work program is presented. One illustration. Bibliography: 2 titles

SUB CODE: DP

ENCL: 00

llc
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L 22263-66 EWT(d) IJP(e)

ACC NR: AR6005182

SOURCE CODE: UR/0058/65/000/009/B012/B012

SOURCE: Ref. zh. Fizika, Abs. 9B126

AUTHORS: Dorozhova's'kyy, Ye. S.; Korduba, B. M.; Kostenko, V. H.

TITLE: Dirichlet problem for planar electrostatics

REF SOURCE: Zadacha Dirikhle ploskoyi elektrostatyky. Visnyk Kyyivs'k. un-tu. Ser. matem. ta mekhan., no. 6, 1964, 152-158

TOPIC TAGS: electrostatics, Dirichlet problem, Poisson equation, computer application

TRANSLATION: The authors solve the external Dirichlet problem for planar electrostatics in an unbounded medium by reducing the latter to the internal problem in a rectangle for the Poisson equation. Using the symmetry of the problem, they solved with an electronic computer the resultant system of algebraic equations for the determination of the unknown parameters, and also obtain the potential field in any of the 128,293 internal junction points of a rectangular grid.

SUB CODE: 20

Card 1/1 283

L 01849-67 EWT(d)/EWT(1) IJP(c)
ACC NR: AR6013771

SOURCE CODE: UR/0044/65/000/010/B087/B087

AUTHOR: Dorozhova's'kyy, Ye.S.; Korduba, B.M.; Kostenko, V. H.

92
B

TITLE: Dirichlet problem of the flat electrostatics

16

21

SOURCE: Ref. zh. Matematika, Abs. 10B410

REF SOURCE: Visnyk L'vivs'k. un-tu. Ser. mekhan-matem., vyp. 1, 1965, 9-14

TOPIC TAGS: electron optics, ^{electrostatics, Dirichlet problem,} electrostatic field, computer/EVM Ural-1 computer

ABSTRACT: Assume that three pairs of parallel electrodes of the same length are symmetrically disposed between two parallel lines (screens) of arbitrary length. On the screens and on the adjacent electrodes the given potential is $u=1$, on the other electrodes $u=0$. The problem of potential field determination mathematically reduces to the solution of the Laplace equation $\nabla^2 u / \nabla x^2 + \nabla^2 u / \nabla y^2 = 0$ (1) In the unlimited region, problem (1) is solved by the method of G.M. Polozhiy by reduction to an internal problem of Dirichlet in a rectangle, for the Poisson equation. Methodology for the solution of (1) on the Ural-1 computer is described. A comparatively simple formula of summary representations for field calculations is given; an algorithm for the solution of the emerging system of algebraic equations is constructed. Numeric results of the solution are described. I Shelikhova /Translation of abstract/

SUB CODE: 20, 12

UDC 518:517.944/.947

L. 20383-66 EWT(d) IJP(c)

ACC NR: AT6003593

SOURCE CODE: UR/3185/65/000/001/0009/0015

AUTHORS: Dorozhova's'kyy, Ye. S. (Dorozhovskiy, Ye. S.); Korduba, B. M.; Kostenko, V.H. ¹⁶

ORG: none

B+1

TITLE: ¹⁶ The Dirichlet problem of planar electrostatics

SOURCE: L'vov. Universytet. Visnyk. Seriya mekhaniko-matematychna, no. 1., 1965, 9-15

TOPIC TAGS: Dirichlet problem, electrostatics, matrix function, algebraic equation, computer calculation, dipole antenna, slot antenna, antenna array

ABSTRACT: The authors solve the external Dirichlet problem for planar electrostatics in an unbounded region using the method of G. N. Polozhiy (Chislennoye rusheniye dvumernykh i trekhmernykh krayevykh zadach matematicheskoy fiziki i funktsii diskretnogo argumenta [Numerical Solution of Two-Dimensional and Three-Dimensional Boundary Value Problems of Mathematical Physics and Functions of Discrete Arguments], Kiev University Publication, 1952). The problem, say, of the radiation from several pairs of dipole or slots situated between two long screens is reduced by means of such a method to the internal problem in a rectangle for the Poisson equation. The matrix equations and solutions are transformed into a resultant system of algebraic equations based on the symmetry of the problem, and solutions are obtained for a number of screen lengths in a form suitable for electronic computer evaluation. The results are subsequently used to obtain the potential field. Orig. art. has: 2 figures and 12

Card 1/2

L 20383-66

ACC NR: AT6003593

formulas.

SUB CODE:20, 12/SUBM DATE: 00/ ORIG REF: 001/

Card 2/2 vmb

L 32981-66 EWT(1) LJP(c) AT
 ACC NRI AR5016261

SURCE CODE: UR/0058/65/00C/011/H051/H052

AUTHOR: Dorozhova'kyy, Ye. S.; Korduba, B. M.; Kostenko, V. H. 2 79
 B

TITLE: Calculation of the field and trajectories of one plane electron-optical system

SOURCE: Ref. zh. Fiz. Abs. 11Zh358

REF SOURCE: Visnyk L'viva'k. un-tu. Ser. mekhan.-matem., vyp. 1, 1965, 46-49

TOPIC TAGS: electron optics, electron motion, Dirichlet problem, Poisson equation, electric potential, electrostatic field, computer calculation, algorithm

ABSTRACT: The authors consider an electron-optical system consisting of three pairs of parallel electrodes, A potential $U = 1$ is applied to two pairs of electrodes of equal length, and $U = 0$ on the third. The calculation of the field of such a system reduces to the Dirichlet problem for the Poisson equation $\Delta U = q(x, y)$ in a rectangle, under the condition that $U = 1$ on the boundary of the rectangle, and $q(x, y) = 0$ everywhere inside the rectangle, with the exception of the electrodes, on which $U(x, y) = u(x, y)$ is specified. Computation formulas are given to determine the potential field and an algorithm is presented for the computer calculation of the coefficients of the system of algebraic equations. It is indicated that by using the Adams-Stoermer extrapolation formula, and by assuming the potential field that results from the calculation, it is possible to determine the flight trajectory of the electrons from the system of ordinary differential equations of the form

$$\frac{d^2 y}{dt^2} = \frac{1}{2} \frac{\partial u(x, y)}{\partial y}, \quad \frac{d^2 x}{dt^2} = \frac{1}{2} \frac{\partial u(x, y)}{\partial x}.$$

Card 1/2

L 32981-66

ACC NR: AR6016261

Numerical results obtained with the M-20 electronic computer are presented. I. Shelikhova. [Translation of abstract]

SUB CODE: 20/

Card 2/2 BK

16.6810,

S/102/62/000/004/001/006
D201/D308

AUTHOR: Dorozhyns'kyy, Yu. B. (Kiev)

TITLE: Analysis of the quality of extrapolation and synthesis of some types of discrete extrapolators

PERIODICAL: Avtomatyka, no. 4, 1962, 3-10

TEXT: The author considers the problems of quality of extrapolation of a discrete function by discrete extrapolators with the storage of the preceding values of both input and output quantities and with linear extrapolation from the two preceding values of these quantities. The analysis of the extrapolation quality is made on the basis of the formula for the output derived earlier by the author (Ref. 5: Voprosy aviatsionnoy avtomatiki i vychislitel'noy tekhniki, no. 2, KI GVF, 1962) and is dependent on coefficients γ and ρ in this expression. The coefficient γ determines the extent of the effect on the output

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Analysis of the quality...

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quantity of the preceding values of input ($0 \leq \gamma \leq 1$), and determines the effect of preceding values of the output ($0 \leq \rho \leq 1$). The extrapolator performance criteria are as follows: (1) The steady-state dynamic error when the input consists of a single linearly increasing discrete function; (2) the overall quadratic estimate when one discrete step function and one linearly increasing function are applied to the input; (3) the smoothing coefficient for a random discrete function at the input. On the basis of the results of the analysis, suggestions are made for the extrapolator design, and the following conclusions are reached: (1) Assuming the above performance criteria, the method makes it possible to select optimum values of ρ and γ . (2) In the case of a step input function and when the dynamic error fixed, an extrapolator with the storage of preceding values of the function is preferable. This follows from the fact that an extrapolator with linear extrapolation produces larger values of the resulting quadratic error and is more sensitive to interference. (3) Mixed systems should be avoided because their steady-state

✓c

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Analysis of the quality...

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error tends to infinity with a linearly increasing input. There are 7 figures.

SUBMITTED: June 8, 1961

sc

Card 3/3

MILLEROWA, Danuta; PRONICKA, Ewa; DOROZYNSKA, Barbara

The effect of vitamin D 3 on the level of serum calcium in rickets and tetany of rachitic etiology. *Pediat. Pol.* 40 no.3: 261-266 Mr '65

1. Z I Kliniki Pediatricznej Pomorskiej Akademii Medycznej w Szczecinie (Kierownik: prof. dr. med. J. Starkiewiczowa) i z Centralnego Laboratorium PSK nr.1 w Szczecinie (Kierownik: lek. H. Sliwiska).

DOROZYNSKA, N.

Food intake and defecation in the goose, *Anser anser* L. *Acta biol.*
exp. 22 no.3:227-240 '62.

1. Department of Comparative Animal Physiology, Zoological Institute,
University of Warsaw, Warsaw, Poland.

(POULTRY)

(DIET)

DOROSZYNSKI, Jan; GARD, Stefan

Developmental defects of the lungs during infancy. *Pediat. Polska* 32
no.8:475-284 Aug 57.

Instytut Kliniczny Pediatrii P. A. M. w Szczecinie Kierownik: prof. dr
med. B. Goralski i z Zakładu Radiologii P. A. M. w Szczecinie Kierownik:
prof. dr med. Cz. Murczyński. Adres: Szczecin, ul. Unta Dubnickiej, Klinika
pediatryczna A. M.

(LUNGS, abnorm.)

Pathogen. mechanisme & x-ray manifest. (1957)

DORRE, Pal, okleveles mernok; VIRAGH, Bela, okleveles mernok

Line correction of the Hungarian State Railways at Balatonfuzfo.
Melyepitestudásemle 13 no.4:145-150 Ap '63.

1. Vovarosi Melyepitesi Tervezo Vallalat csoportvezetője (for Dorre).
2. MAV muszaki fotanacsos; MAV Budapesti Epitesi Fokosztály főmérnöke (for Viragh).

VETUKHNOVSKIY, Z.B., inzh.; VLADYCHINA, Ye.N., inzh.; GUBENSKIY, V.A.,
inzh.; DORRENDORF, V.I., inzh.; SEREBRYANIKOV, S.N., inzh.;
SOLIYENKO, V.O., inzh.; TIMOKHOV, Ye.P., inzh.; TYURIN, V.F.,
vedushchiy inzh.; BOROVNIKOV, B.A., red.; KUPTSOV, A.P., tekhn.red.

[Painting in a high voltage electric field] Okraska v elektri-
cheskom pole vysokogo napriazheniia. Moskva, Tsentral'noe biuro
tekhn.informatsii, 1958. 63 p. (MIRA 12:7)

1. Russia (1917- R.S.F.S.R.) Moskovskiy gorodskoy ekonomicheskiy
administrativnyy rayon. Sovet narodnogo khozyaystva. 2. Tsentral'-
naya nauchno-issledovatel'skaya laboratoriya Vsesoyuznoy proizvod-
stvennoy kontory "Lakokraspokrytiye" (for Vetukhnovskiy, Vladychina,
Gubenskiy, Dorrendorf, Serebryanikov, Soliyenko, Timokhov).
(Spray painting)

Z/011/62/019/003/004/004
E112/E353

AUTHORS: Nosov, S.P., Dorrendorf, V.I. and Vladychina, Ye.N.
TITLE: Measurement of the specific volume resistivity of
paints used for spraying in an electrostatic field
PERIODICAL: Chemie a chemická technologie; Přehled technické
a hospodářské literatury, v.19, no. 3, 1962, 136,
abstract Ch 62-1860 (Lakokras. materialy, no. 5,
1961, 54 - 57)
TEXT: For evaluating paints used for spraying in an
electrostatic field it is essential to determine the specific
volume resistance. The author recommends some Soviet-produced
metering instruments (instrument MOM-4, etc.). The instruments
are fitted with polytetrafluorethylene electrodes. The theory
on which the measurements are based is described and resistance
values are calculated. There are 2 photographs, 7 schematic
diagrams.
[Abstracter's note: Complete translation.]

Card 1/1

DORRENDORF, V.I.; D'YAKOVA, B.B.; VLADYCHINA, Ye.N.

Spraying of nitrocellulose and perchlorovinyl lacquer and paint materials in the electric field. Lakokras.mat.1 ikh prim. no.3: 56-60 '62.

(MIRA 15:7)

(Spray painting, Electrostatic)

DORRER, I. A.

I. A. Dorrer, "Photo-telegraphic shortwave radio communication with an FM transmitter carrier." Scientific Session Devoted to "Radio Day", May 1958, Trudrezervizdat, Moscow, 9 Sep 58.

The advantages of photo-telegraphic shortwave radio communication with frequency modulation of the transmitter carrier by photo current are analyzed.

A considerable decrease in the distortion of the photo-telegraphic signal, which occurs because of multipath propagation, is attained by a limiter-narrow band filter system and the use of a special automatic choice of the best signal system for reception on spatially diverse antennas.

Apparatus for photo-telegraphic communication has been developed in the Radio Receiver Department of the Moscow Electrotechnical Institute of Communications in conjunction with the Moscow Directors of Radio Communication and Broadcasting.

Experimental use of the apparatus showed a considerably higher stability of communications than in a system with a sub-carrier frequency, higher picture transmission quality with a transmission rate increased one and one-half times and a channel frequency band contracted one and one-half times.

DORNER, Iosif Alekseyevich; MEL'NIK, Semen Osherovich; ALEKSANDROV, G.A.,
otv.red.; VENGRENYUK, L.I., red.; MARKOCH, K.G., tekhn.red.

[Phototelegraphy transmission on short-wave radio frequencies]
Fototelegrafirovanie po korotkovolnovym radiokanalam. Moskva,
Gos.isd-vo lit-ry po voprosam svyazi i radio, 1958. 78 p.
(Radio facsimile) (MIRA 12:1)

ALEKSANDROV, G.A.; DORRER, I.A.; MALOCHINSKIY, O.M.; KHLITCHIYEV, S.M.;
CHISTYAKOV, N.I.; SHUI'GIN, K.A.; VENGRENYUK, L.I., red.;
MARKOCH, K.G., tekhn. red.

[Radio communications and broadcasting] Radiosviaz' i ve-
shchaniye. Moskva, Gos. izd-vo lit-ry po voprosam svyazi i
radio, 1961. 503 p. (MIRA 15:2)

(Radio--Receivers and reception)
(Radio--Transmitters and transmission)

ACC NR: AT7003571 (N) SOURCE CODE: UR/0000/66/000/000/0281/0290

AUTHORS: Dorri, M. Kh.; Polyak, G. L.

ORG: Institute of Automation and Remote Control, Moscow (Institut avtomatiki i telemekhaniki)

TITLE: Mathematical modeling of heat exchangers containing internal heat sources with variable heat-transfer agent consumption

SOURCE: AN BSSR. Institut teplo- i massoobmena. Issledovaniye teplo- i massoobmena v tekhnologicheskikh protsessakh i apparatakh (Study of heat and mass transfer in technological processes and apparatus). Minsk, Izd-vo Nauka i tekhnika, 1966, 281-290

TOPIC TAGS: heat transfer, heat exchanger, mathematic model, Laplace equation, frequency characteristic, temperature

ABSTRACT: An analog of a heat exchanger consisting of a cylindrical channel, in which the heat-transfer agent flows at a variable rate, is examined. The equations of this physical model are:

$$a_1 \frac{\partial \theta(x, \tau)}{\partial \tau} = P(\tau) - a(\tau) R [\theta(x, \tau) - t(x, \tau)],$$

$$a_2 \frac{\partial t(x, \tau)}{\partial \tau} + c_2 Q(\tau) \frac{\partial t(x, \tau)}{\partial x} = a(\tau) R [\theta(x, \tau) - t(x, \tau)],$$

$$a_1 = c_1 \gamma_1 F_1; \quad a_2 = c_2 \gamma_2 F_2.$$

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ACC NR: AT7003571

The problem consists of determining the output temperature of the heat-transfer agent $t_2(\tau) = t(L, \tau)$ as a function of the input temperature $t_1(\tau) = t(0, \tau)$, the heat release in the wall $P(\tau)$, and the flow rate of the heat-transfer agent $G(\tau)$. A closed system of equations for modeling the heat exchanger is obtained:

$$b_2 \frac{d\bar{\theta}(\tau)}{d\tau} = b_2 P(\tau) - b_1 \alpha(\tau) [\bar{\theta}(\tau) - \bar{t}(\tau)];$$

$$\frac{d\bar{t}(\tau)}{d\tau} + G[t_2(\tau) - t_1(\tau)] = b_1 \alpha(\tau) [\bar{\theta}(\tau) - \bar{t}(\tau)];$$

$$\frac{dt_1}{d\tau} = 12G(\tau)\bar{t} - 6G(\tau)[t_2(\tau) + t_1(\tau)] + \frac{dt_1}{d\tau},$$

and its diagram is shown in Fig. 1.

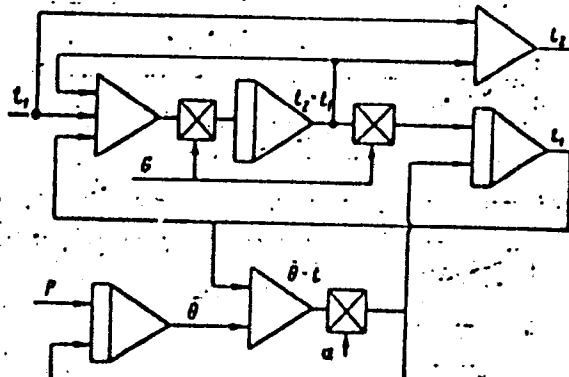


Fig. 1. Diagram of mathematical model of heat exchanger

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ACC NR: AT7003571

The amplitude-frequency and phase-frequency characteristics for various approximations are examined. Some particular cases are discussed. Orig. art. has: 22 formulas, 2 diagrams, and 2 graphs.

SUB CODE: 20, 12/ SUBM DATE: 23Jul66/ ORIG REF: 003/ OTH REF: 004

Card 3/3

L 10440-67 EWT(d)/EWP(1) IJP(o)
 ACC NR: AP6029549 SOURCE CODE: UR/0103/66/000/008/0124/0130

AUTHOR: Dorri, M. Kh. (Moscow) 52
 55

ORG: none

TITLE: Approximate solution of some heat transfer partial differential equations on an analog computer

SOURCE: Avtomatika i telemekhanika, no. 8, 1966, 124-130

TOPIC TAGS: heat transfer, partial differential equation, analog computer, Hermite polynomial, approximation method

ABSTRACT: The problem of reducing a set of partial differential equations to a corresponding set of ordinary differential equations is analyzed to provide approximate solutions on analog computers. The method consists of selecting a segment, $[0, \tau]$, in the solution $y(x, \tau)$ of the linear differential equation

$$F\left(x, \tau, \frac{\partial y}{\partial x}, \dots, \frac{\partial^2 y}{\partial x \partial \tau}, \frac{\partial y^2}{\partial \tau^2}\right) = 0,$$

and expressing the partial differentials in x , at the edges of this segment, through the remaining terms. The interpolation is then expressed in terms of Hermite polynomials with the criterion $\int_0^{\tau} \epsilon^2 dx = 0$, where ϵ is the mean deviation of the

Card 1/2 UDC: 518.5:536.24

L 10440-67

ACC NR: AP6029549

3

approximation. The method is applied to two one-dimensional, time-dependent, heat transfer problems as illustrations. The author thanks S. I. Bernshteyn, D. G. Volik, and G. L. Polyak for evaluating the work and for their remarks. Orig. art. has: 18 equations and 4 figures.

SUB CODE: 20/ SUBM DATE: 26Jan66/ ORIG REF: 004/ OTH REF: 001

Card ^{6 pp} 2/2

S/123/61/000/023/009/018
A052/A101

AUTHORS: Bakakin, G. N., Gerasimenko, K. S., Doshchechkin, V. I., Lyubarskiy, I. M., Lyubchenko, A. P.

TITLE: The selection of the optimum heat treatment conditions of case hardened 18 XHBA (18KhNVA) steel

PERIODICAL: Referativnyy zhurnal Mashinostroyeniye, no. 23, 1961, 63, abstract 23B449 (V sb. "Radioakt. izotopy i yadern. izlucheniya v nar. kh-ve SSSR, v. 3;" Moscow, Gostoptekhizdat, 1961, 90-92)

TEXT: The structure and physico-mechanical properties of the case-hardened layer of 18KhNVA, 20X2H4A (20Kh2N4A) and other steels were investigated from the viewpoint of the chemical heat treatment. The heat treatment conditions differ by the speed of cooling after case hardening. The speed of cooling after case hardening affects the phase composition, the substructure of phases and their saturation with alloying components, which in its turn affects the wear resistance of the case hardened layer. Compared with the conditions adopted at the plant, the recommended conditions (for large machine elements - case hardening with additional oil hardening at 810 C; for small parts - case hardening with

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The selection of the optimum ...

S/123/61/000/023/009/018
A052/A101

subsequent oil hardening, tempering at 650°C or case hardening with subsequent water hardening, tempering at 150°C) increase considerably the wear resistance of the case hardened steel layer. ✓

N. Il'ina

[Abstracter's note: Complete translation]

Card 2/2

DORSHT, A. YA..

Dorsht, A. Ya. "Problems of the organization of therapeutic-prophylactic service to psychic patients in rural localities." Min Health USSR. Central Inst for the Advanced Training of Physicians. Moscow, 1956. (Dissertation for the Degree of Candidate in Medical Science)

So: Knizhnaya letopis', No. 27, 1956. Moscow. Pages 94-109; 111.

DOMSHT, A.Ya (Stavropol' krayevoy)

Organization of psychoneurological service for the rural population
in the Stavropol Territory. Zhur. nevr. i psikh. 61 no.9:1402-1403
'61. (MIRA 14:9)

(STAVROPOL TERRITORY--PSYCHIATRIC HOSPITALS)

DORSHT, A.Ya. (Stavropol')

Discussion. Probl.sud.psikh. 9:94-99 '61.
(Insane, Criminal and dangerous)

(MIRA 15:2)

DCRSHT, A.Ys. (Stavropol')

Scientific elaboration of legislation on mental patients. Probl.
sud.psikh. 9:494-502 '61. (MIRA 15:2)
(Insane---Laws and legislation)

DORSHT, A.Ya., dotsent

Depressive states in presenium. Uch. zap. Stavr. gos. med.
inst. 12:94-95 '63. (MIRA 17:9)

1. Kafedra psikhiatrii (zav. dotsent A.Ya. Dorsht) Stavropol'skogo
gosudarstvennogo meditsinskogo instituta.

DORSHT, A.Ya., dotsent

Dispensary service as the basis of scientific planning of psychiatric aid. Uch. zap. Stavr. gos. med. inst. 12: 408-409 '63.

Organization of psychoprophylactic work in a rural locality. Ibid.:410-411

Dispensary service as a factor in the prevention of socially dangerous actions by the mentally ill. Ibid.:412-413 (MIRA 17:9)

1. Kafedra psikhiiatrii (zav. dotsent A.Ya. Dorsht)
Stavropol'skogo gosudarstvennogo meditsinskogo instituta.

DORSHT, A.Ya. (Stavropol')

Organization of psychiatric service for the rural population.
Zhur. nevr. i psikh. 65 no.12:1879-1882 '65.

(MIRA 19:1)

GUBAREV, Grigoriy Grigor'yevich; DORSHT, David Yakovlevich, starshiy inzh.; SOLOV'YEV, V.G., spetsred.; MAKAROVA, E.A., red.; SHADRINA, N.D., tekhn.red.

[Regulation of output norms and wages; practices of the Rostov hosiery factor] Uporiadochenie normirovaniia i oplaty truda; iz opyta Rostovskoi chulochnoi fabрики. Izd-vo VTsSPS Prof-izdat, 1958. 49 p. (MIRA 12:6)

1. Nachal'nik otdela truda i zarabotnoy platy Rostovskogo sov-narkhosa (for Gubarev). 2. Otdel truda i zarabotnoy platy Rostovskogo sov-narkhosa (for Dorsht).
(Wages)

DORSIEV, D.

TANCHEV, I.; EVSTATIEV, Tsv.; DORSIEV, D.; PENCHEVA, ZH.;
TSVETKOV, G.

Study of nephritis in Vratsa district. Suvrem. med., Sofia 7 no.9:
14-29 1956.

1. Iz Okruzhnata bolnitsa "Khristo Botev" - Vratsa (Gl. lekar:
P. Koler).
(NEPHRITIS, statist.
in Bulgaria)

GAEL', A.G.; DOSKACH, A.G.; TROSHKOVSKIY, A.A.

Dust storms in March and April 1960. Izv. AN SSSR. Ser. geog. no.1:
57-67 Ja-F '61. (MIRA 14:2)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova,
Biologicheskiy fakul'tet i Institut geografii AN SSSR.
(Russia, Southern—Dust storms)

DORSKI, Henryk (Krakow, ul. Bohaterow Stalingradu 27)

Method of the treatment of osseous hemorrhages in surgery of the
jaws. Czasopismo stomat., 7 no.7:291-295 July 54.

(JAWS, surgery,
compl.. hemorrh., ther.)
(HEMORRHAGE,
Jaws, in surg., ther.)

DORSKI, Henryk, Krakow ul. Bohaterow Stalingradu 27.

Halsted intradermal suture in plastic surgery of the face. Czas.
stomat. 8 no.2:56-60 Feb '55.

(FACE, surgery
plastic, Halsted suture)

(SUTURES
intradarma, Halsted method, in plastic surg. of face)

DORSKI, Henryk.

Erroneous application of sulfonamides and antibiotics in dentistry.
Czasopismo stomat. 8 no.11:463-470 Nov. 1955.

1. Z Zakładu Chirurgii Stomatologicznej A.M. w Krakowie.
Kierownik: doc. dr. med. H.Dorski. Kraków, Bohaterów Stalingradu 27.
(PENICILLIN, therapeutic use,
dent. dis., contra-indic.)
(SULFONAMIDES, therapeutic use,
dent. dis., contra-indic.)
(TEETH, diseases,
ther., penicillin & sulfonamides)

DORSKI, H.

"Chirurgia szczękowa" (Surgery of jaw-bones), by H. Dorski. Reported in
New Books (Nowe Książki), No. 15, August 1, 1955

COLLID/General Problems of Pathology - Tumors. Tumor of Man.

U.

Abs Jour : Ref Thur - Biol., No 21, 1953, 98293

Author : Dorski, Henryk

Inst : -

Title : Odontogenic Tumors of Jaws.

Orig Pub : Postopyu stomatol., 1956, 2, 111-125.

Abstract : Odontogenic tumors of jaws belong to a number of dysplastic formations which arise from embryonic tissues of the tooth in various periods of its development. They are divided into epithelial (ameloblastoma or adamantinoma), mesenchymal (dentinosarcoma, cementoma), mixed (odontoma). Odontoma is not a neoplasm in the full sense of the term, but represents a teratoma of the tooth. Adamantinoma does not serve as an unconditional indication for jaw resection; since it does not produce metastases. Of 4 patients with adamantinoma, a resection was performed only once, because the bone atrophied over a large stretch due to pressure

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POLAND/General Problems of Pathology - Tumors. Tumor of Man.

U.

Abs Jour : Ref Zhur - Biol., No 21, 1953, 98293

of the tumor. In the other 3 cases, an excoriation of the tumor was performed. 2 of these patients, as well as one operated 5 years ago, are under observation; histologically no recurrences were found in any of them. --
S.S. Kulikov

Card 2/2

EXCERPTA MEDICA Sec.9 Vol.11/8 Surgery Aug 1957
DORSKI H.

4152. DORSKI H. Zakt. Chir. Stomatol. A. M., Kraków. "Sposób Adamsa w lec-
zeniu złamań szczęki górnej. Adams's method in the treatment
of upper jaw fractures CZAS. STOMAT. 1956, 9/3 (135-139) Illus. 9
The author presents 4 cases of the upper jaw fracture treated by Adams's method

4/52

CONT.

with 2 modifications. Modification I, called 'the low Adams' refers to immobilization of the bone fragment in the Guerin's and Le Fort II fractures, by means of two ligatures inserted intradermally into the cheek, on the lower margin of both eye-sockets and fixed on the splint resting on the teeth. Modification II (high Adams) is of use in fractures of Le Fort III where both ligatures are drawn under the zygomatic arch. The bone fragment is hung on ligatures drawn through the bone canals bored on the exterior upper margin of the eye-sockets.

Dorski - Kraków

DORSKI, Henryk

Surgical and orthopedic procedures in fractures of the facial bones. Polski przegl. chir. 28 no.5:455-464 May 56.

1. Z Zakładu Chirurgii Stomatologicznej A.M. w Krakowie
Kierownik: doc. dr. H. Dorski, Krakow, ul. Bohaterow
Stalingradu 27.

(FACIAL BONES, fracture,
surg. (Pol))

(FRACTURES,
facial bones, surg. (Pol))

MISKI, J.

The present state of the economy producing... and its
tasks in the future. p. 406.

REVUE Vol. 20, no. 11, Nov. 1965

Poland

so. 1965 GREAT BRITAIN DIST Vol. 5, no. 10 Oct. 1966

DORSKIY, G

The new Soviet camera "Start." Sov.foto 17 no.7:41-44 J1 '57.
(MIRA 10:8)

(Cameras)

~~DORSKIY, G. G.~~ ~~Gregoriy Moiseyevich~~, inzhener; UDAL'TSOV, A. N., glavnyy redaktor;
TSOPP, L. E., inzhener, redaktor

[Indicator tube with circular scan. | Elektronno-luchevoi indikator
s krugovoi razvertkoi. Tema 6, no. 1-56-461. Moskva, Akad. nauk SSSR,
1956. 18 p. (MLRA 10:5)
(Electronic instruments) (Sound--Measurement)

Dorstiy, Gregory Moiseyevich

~~DOBSKIY, Grigorii Moiseyevich, inzh.; UDAL'TSOV, A.N., glavnyy red.;~~
~~DAYCHIK, M.L., red.; SHTEYNBOK, G.Yu., inzh., vedushchiy red.~~

[Block of fixed generators for acoustic measurements in sound chambers] Blok zadaiushchikh generatorov dlia akusticheskikh izmerenii v zvukomernykh kamerakh. Moskva, In-t tekhniko-ekon. inform., 1956. 19 p. (Pribory i stendy. Tema 7, no.P-56-412)
(Sound--Measurement) (MIRA 11:2)

DORSKIY, Grigoriy Moiseyevich, inzh.; SHTEYNBOK, G.Yu., inzh., ved.
red.; SOKOLOV, I.D., inzh., red.; SOROKINA, T.M., tekhn. red.

[Pulse amplitude memorising device] Zapominateli amplitud
impul'sov. Moskva, Filial Vses.in-ta nauchn. i tekhn. infor-
matsii, 1957. 13 p. (Peredovoi nauchno-tekhnicheskii i pro-
izvodstvennyi opyt. Tema 38. No.P-57-45/3) (MIRA 16:3)
(Pulse techniques (Electronics))
(Electronic apparatus and appliances)

L 47332-65 EWT(d)/EEC(k)-2/EEC-4 Po-4/Pq-4/Pg-4/Pk-4/Pl-4

ACCESSION NR: AP5014867

UR/0286/65/000/007/0038/0030

AUTHOR: Dorskiy, G. M.

36
B

TITLE: A method for measuring the relative phase of two sinusoidal signals.
Class 21, No. 169578

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965, 38

TOPIC TAGS: phase measurement, sinusoidal signal

ABSTRACT: This Author Certificate ^{9m} presents a method for measuring the relative phase of two sinusoidal signals by means of measuring the momentary duration of anticoincidences of the amplified and symmetrically bounded signals. In order to reduce the sluggishness of the measurement and to extend the measurement range to $\pm 180^\circ$, two electronic-analog interrogators are controlled by the four pulses corresponding to the possible states of coincidences and anticoincidences of the signs of the incoming signals. The output signals of the interrogators are added and sent to a direct current indicator. When this is done, the positive coincidences and the negative coincidences are determined by the time for establishing the initial zero conditions in the first and in the second interrogators respectively. The anticoincidences form, in pairs, the time integrands.

Card 1/2

YANKOVSKIY, I.P.; SKLYADNEV, V.M.; ZAYKOVSKIY, I.M.; DORSKIY, M.Ye.;
LAKHTANOV, A.F.; TERESHCHENKO, V., red.; STEPANOVA, N.,
tekhn.red.

[Introduction of automation in the construction industry of the
White Russian S.S.R.] Vnedrenie avtomatizatsii na predpriatiakh
stroitel'noi industrii Belorusskoi SSR. Minsk, Gos.izd-vo BSSR,
Red.proizvodstvennoi lit-ry, 1960. 56 p.

(MIRA 14:3)

1. Orgtekhtroi, trust, Minsk.

(White Russia--Construction industry) (Automation)

DORT, V., MUDr; LINHARTOVA, A., MUDr

Rheumatic pneumonia. Cas. lek. cesk. 93 no.46:1271-1274 12 Nov 54.

1. Z detske kliniky (prednosta doc. MUDr J.Lukas) a pathol. anat. ustavu (prednosta doc. MUDr. J.Vanek) Karlovy university, pobočka v Plzni.

(RHEUMATIC FEVER, complications pneumonia)

(PNEUMONIA, etiology and pathogenesis rheum. fever)

DORT, Vaclav; LAHN, Vilem

Transaminases in infectious jaundice of childhood. Cesk.pediat.
16 no.3:223-227 Mr '61.

1. Detska klinika (prednosta doc. MUDr. Jiri Lukes) a klinika
chorob vnitrnich)prednosta prof. MUDr. Karel Bobek) lekarske
fakulty KU v Plzni.

(HEPATITIS INFECTIOUS blood)
(TRANSAMINASES blood)

ZAVAZAL, Vladimir; DORT, Vaclav

The course of the immunological reactivity in convalescents after acute rheumatism and its relation to clinical findings in prolonged follow-up. Acta univ. carol. [Med] Suppl. 15:147-152 '61.

1. Ustav pro mikrobiologii a epidemiologii (prednosta doc. dr. J. Zahradnický) a klinika chorob detskych (prednosta doc. dr. J. Lukes) lekarske fakulty University Karlovy se sidlem v Plzni.
(RHEUMATIC FEVER immunol)

SCHWARTZ, A.; DORT, V.

Reactive pseudotumorous reticulosis after Triantoin. Cas. lek. cesk.
104 no.26:718-722 2 JI '65.

1. Sílup ustav pro patologickou anatomii a histologii lekarske
fakulty Karlovy University v Plzni (prednosta: prof. dr. J. Vanek,
DrSc.); a Detska klinika lekarske fakulty Karlovy University v
Plzni (prednosta: doc. dr. J. Lukeš).

DORTHEIMER, Alfons

Orthopedic surgery in chronic rheumatism of the extremities.
Rev.st.med., med.int., Bucur. 6 no.4:101-115 Oct-Dec 54.

1. Lucrare facuta in Clinica de ortopedie. Profesor dr. Al.D.
Radulescu

(ARTHRITIS, RHEUMATOID
extremities, orthopedic surg., indic.)

(ORTHOPEDICS
surg., in rheum. arthritis of extremities, indic.)

(EXTREMITIES, diseases
rheum. arthritis, orthopedic surg., indic.)

RADULESCU, Al.; DOMTHEIMER, A.

Orthopedic and surgical treatment of chronic deforming
rheumatism. Probl. reumat., Bucur. 3:271-304 1955.

(ARTHRITIS, RHEUMATOID
orthopedic ther. & surg.)
(ORTHOPEDECS, in various dis.
rheum. arthritis)

EXCERPTA MEDICA Sec.9 Vol.11/11 Surgery Nov 57
DORTHEIMER A.

5647. (1229) DORTHEIMER A., BROȘTEANU G. and ROBĂNESCU N. Clin. de Ortop. și Traumatol. I. P. S. M. F., București. "Asupra necrozei capului femoral după fracturile gâtului femoral. Femoral head necrosis after femoral neck fracture CHIRURGIA (București) 1956, 5:2 (270-276) Illus. 19

Necrosis of the femoral head is the most frequent complication after fracture of the neck, much more frequent than pseudarthrosis (in a ratio of 35% to 2%). Necrosis of the femoral head appears not only in operated cases but also in those treated orthopaedically. Necrosis is to be feared with fractures in adduction, also in those in abduction and even in those not dislocated, immobilized in plaster, or not. In hip luxation with fracture head necrosis is certain, demonstrating the importance of vascularization in the aetiology. All these possibilities are illustrated by case reports. The best treatment is immobilization of the hip by a plaster cast relieving the lower limb from weight bearing. The experience of the authors has demonstrated that necrosis of the femoral head heals by revascularization in 4-5 yr. if treated.

Dortheimer - Bucharest

REDULESKU, A. [REDULESCU, A.], akademik, prof.; DORTGEYMER, A.; BROSHTYANU, G.
[BROSSTIANU, G.] (Bukharest)

Interesting aspects of disorders of osteogenesis. Ortop.travm. i
protez. 19 no.3:18-22 My-Je '58 (MIRA 11:7)
(BONE DISEASES, etiol. & pathogen.
of osteogenesis disord., theories (Rus))
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2044. (792) THE TREATMENT OF TUBERCULOUS KNEE JOINT. SYNOV-ECTOMY IN TUBERCULOSIS OF THE KNEE JOINT WITH SEQUESTRA-ED BONE FOCI - Beiträge zur Behandlung der Kniegelenkstuberkulose. (Synovektomie bei Kniegelenkstuberkulose mit abgeschlossenen Knochen-herden) - Dörtheimer A. and Baci K. Orthop. Univ.-Klin., I.P.S.M.F., Bukarest - Z. ORTHOP. 1958, 90/4 (427-434) illus. 8

In the authors' opinion synovectomy, exochleation and filling of a focus in the bone is a method with good functional results in patients with localized tuberculous foci in the knee-joint. Arthrodesis may be done later if the patient has still complaints. (IX, 15, 19)

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Physical properties of rocks and mineral resources of the USSR (Fizicheskiye svoystva gornykh porod i poleznykh iskopayemykh SSSR) Moscow, Izd-vo "Nedra", 1964. 325 p. illus., biblie. (At head of title: Gosudarstvennyy geologicheskii komitet SSSR. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskii institut) 3000 copies printed. Under the editorship of O. M. Gapeyeva and N. B. Dortman; Principal editor: I. A. Kalaykova; Technical editor: A. S. Pelosina; Proofreaders: K. S. Toreptseva

TOPIC TAGS: magmatic rock, metamorphic rock, mineralogy, petrology, seismology

PURPOSE AND COVERAGE: This book is the result of the generalization of materials collected primarily by geophysical trusts and geologic agencies, as well as by the institute named (VSEGEI). Principal attention is paid to the basic laws governing variations in the physical properties of rocks, various petrographic groups, and useful minerals of diverse mineralogic composition. The physical parameters to

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which special attention is given include the density, the magnetic susceptibility, the specific electrical resistance, and the rate of propagation of longitudinal and transverse waves. The compilers of the book are colleagues of the Laboratoriya fizicheskikh svoystv gornykh porod and the Otdel petrografii of VSEGEI. They express their gratitude to B. A. Andreyev^{44,55}, A. A. Logachev^{44,55}, G. I. Martynova^{44,55}, S. V. Moskvaleva^{44,55}, A. S. Semenov^{44,55}, T. N. Simonenko^{44,55}, K. G. Bogdanova^{44,55}, Ye. A. Butakova^{44,55}, V. F. Dybker^{44,55}, B. K. L'vov^{44,55}, V. I. Moskvaleva^{44,55}, I. A. Petrova^{44,55}, Yu. Ye. Rytsk^{44,55}, Ye. K. Stankevich^{44,55}, A. T. Solov'yev^{44,55}, and A. D. Shchogolev^{44,55}.

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