VIDICAN, C.

How the extension of advanced experience in production is supported. Munca sindic 7 no.5:6-8 My '63.

1. Presedinte al Consiliului regional al sindicatelor, Crisana.

ROMANIA

DRAGHICIU, O., MD; TRIFU, T., MD; MARGINEANU, V., MD; DANIAN, P., MD; POP, E., MD; VIDICAN, M., MD; DRAGHICIU, Glichoria, MD; BABAU, I., MD.

Section for Internal Diseases of the Unified Hospital in Beius (Sectia de boli interne a Spitalului unificat Beius) /Crisana Regiune/ - (for all)

Bucharest, Viata Medicala, No 11, 1 Jun 63, pp 757-760

"Contributions to the Problem of the Painful Shoulder in Cases of Workers in Sawmills." (Paper presented at the Fifth Orthopedics and Traumatology Conference held in Oradea on 16 July 1960.)

ROMANIA

DRAGHICIU, O., MD; TRIFU, T., MD; MARGINEANU, V., MD; DAIAN, P., MD; POP, E., MD; VIDICAN, M., MD; DRAGHICIU, Glicheria, MD; BABAU, I., MD.

Section for Internal Diseases of the Unified Hospital in Beius (Sectia de boli interne a Spitalului unificat Beius) /Crisana Regiune/ - (for all)

Bucharest, Viata Medicala, No 11, 1 Jun 63, pp 757-760

"Contributions to the Problem of the Painful Shoulder in Cases of Workers in Sawmills." (Paper presented at the Fifth Orthopedics and Traumatology Conference held in Oradea on 16 July 1960.)

1

VIDICHENKOVA, Yu.N.; PUZIKOVA, E.A.; TROFIMOVA, K.A.; SMIRNOVA, M.I., otv. za vypusk, BARINOV, Yu.A., red.; YEVSTIGNEYEVA, V.S., tekhn. red.

[Labor and wages; bibliography of literature published in the U.S.S.R. in Russian in 1960] Trud i zarabotnaia plata; bibliograficheskii ukazatel' literatury, izdannoi v SSSR na russkom iazyke v 1960 g. Moskva, 1962. 471 p. (MIRA 16:8)

(Bibliography--Labor and laboring classes)
(Bibliography--Wages)

Vidicon, M

5

RUMANIA/Chemical Technology. Chemical Products and Their Application. Safety and Sanitation. H-6

Abs Jour: Ref Zhur-Khim., No 2, 1959, 5198.

Author : Draghicia O.; Pop E.; Marginean V.; Csiaru E.; Santoi T.; Andor Gh.; Draghicia G.; Kluhonius A.; Vidican M.

Inst :

Title : Clinical Laboratory Observations of Intoxication of Phyto-sanitation Workers in Baias Region with Dinitrocresol.

Orig Pub: Viata med., 1958, 5, No 4, 385-334.

Abstract: No abstract.

Card : 1/1

VIDIK, T. V. Cand Med Sci-- (diss) "The reactivity of transversostriated muscle fibers in experiment." Len, 1957. 16 pp (Min of Health RSFSR. Len Sanitary-Hygienic Med Inst), 200 copies (KL, 4-58, 85)

VIDIK, T. V.

VIDIK, T.V.

Effect of the nervous system on the regeneration of the somatic muscles in frog. Trudy LSGMI 16:299-307 '53. (MLRA 10:8)

1. Kafedra gistologii i embriologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy prof. S.I.Shchelkunov)

(REGENERATION,
musc., eff. of nervous system in frogs)
(MUSCLES, physiology,
regen., eff. of nervous system in frogs)
(NERVOUS SYSTEM, physiology,
regulation of musc. regen.)

VEDIA, T.V. (Leningrad, Srednyaya Pod"yacheskaya, d.15, kv. 20)

Reactive changes in damaged striated muscular fibers under normal conditions and in hyperfunction of the skeletal muscles [with summary in English]. Arkh.anat.gist. i embr. 34 no.3:93-94 My-Je '57. (MLRA 10:10)

1. Iz kafedry gistologii i embriologii (zav. - chlen-korrespondent AMN SSSR, prof. S.I.Shchelkunov) Leningradskogo sanitarno-gigiyenicheskogo instituta.

(MUSCLES, physiol.
reactive changes in damaged striped musc. fibers under normal cond. & with hyperfunct. of skeletal musc. in cats (Rus))

USSR / Human and Animal Morphology, Normal and Pathological. Muscles. S-4

Abs Jour : Ref Zhur - Biol., No 18, 1958, No 83719

Author : Vidik, T. V.
Inst : Not given
Title : Reactive Changes in Lesioned Transversal-Striated Muscular Fibers under Ordinary Conditions and in Hypertrophy of Skeletal Musculature.

Orig Pub : Arkhiv anatomii, gistol. i embryol., 1957, 34, No 3, 83-94

Abstract : A small portion of the muscles of posterior extremities of the cat were ligated for one minute, after which 27 of the animals were kept under routine laboratory conditions, while 16 of them ran along the track of a treadmill for 45-60 minutes daily, covering more or less 2 kilometers in 24 hours. Material for a histological study was assembled in 10 min., 60 days after ligation. It was demonstrated that, as a

Card 1/2

Abs Jour : Ref Zhur - Biol., No 18, 1958, No 83719

result of the action of the increased functional load of a dynamic character, the "red" muscle fibers of the non-lesioned musculature split up, while the "white" fibers morphologically become undistinguishable from the "red" ones. A short-term weak constriction of part of the muscles of animals kept in routine conditions, causes a separation of "red" muscle fibers. "White" fibers do not change their structure. Increased functional load with more pronounced lesion does not change the character of the regeneration process but accelerates it. The splitting-up of muscle fibers was always conditioned by the development in the sarcoplasm of a new sarcolemma. Restoration of the disintegrated parts of muscle fibers after short-term ligation goes on within the sarcolemmic tubes due to the preserved nucleoplasmic complexes.

VIDIK, T.V.

Structural changes in striated muscle fibers during hyperactivity under normal and experimental conditions [with summary in English] Trudy LSGMI 42:293-301 '58 (MIRA 11:12)

1. Kafedra gistologii i embriologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy - chlen-korrespondent AMN SSSR, prof. S.I. Shchelkunov).
(MUSCLES, physiol.
eff. of overexertion on structural properties (Rus))
(EXERCISE,
eff. of overexertion on musc. structure (Rus))

VIDIK, T.V.

Reactivity of striated muscle fibers following injury [with summary in English]. Trudy LSGMI 42:302-414 '58 (MIRA 11:12)

1. Kafedra gistologii i embriologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav. kafedroy -chlen-korrespondent AMN SSSR, prof. S.I. Shchelkunov).

(MUSCLES, physiol.
reactivity to inj. (Rus))
(REGENERATION,
musc. reactivity to inj. (Rus))

FEDOROV, Yu.V.; BURENKOVA, L.A.; VIDYAKINA, R.A.

Production of a dry inactivated [illegible] antigen of tick-borne encephalitis for complement fixation reaction. Trudy TomNII VS 14:247-250 '63. (MIRA 17:7)

1. Tomskiy nauchno-issledovatel'skiy institut vaktsin i syvorotok.

VIDIMSKI, G.

Chronic pulmonary heart. Kardiologiia 3 no. 6:31-35 N-D '63.
(MIRA 17 6)

1. Iz Instituta bolezney krovoobrashcheniya (direktor - doktor meditsinskikh nauk dotsent Ya.Brod). Praga - Krch.

VIDIN, B.V.; ORFEYEV, Yu.V.

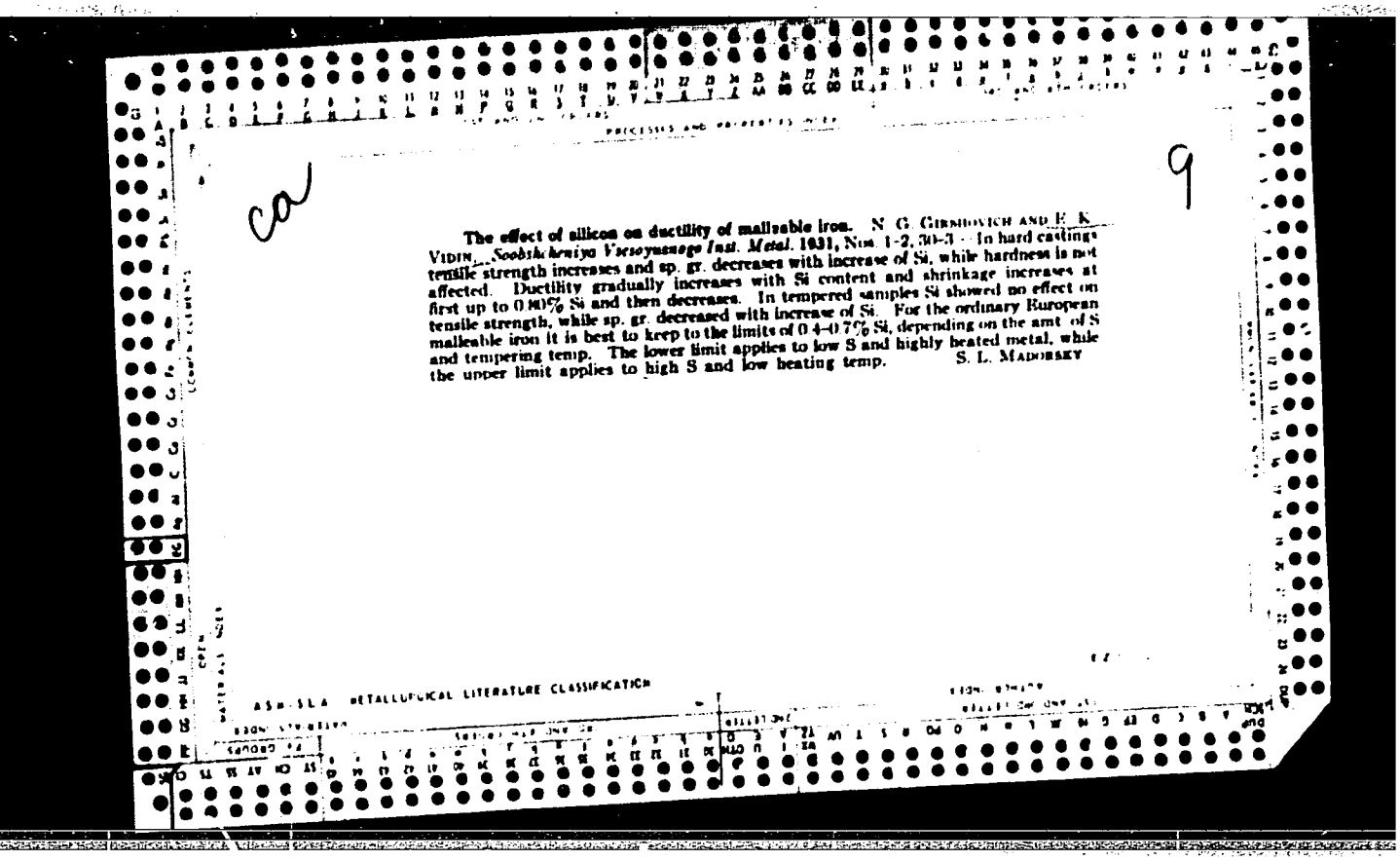
A modification of the division algorithm of electronic computers. Izv. vys. ucheb. zav.; prib. 7 no.4:90-93 '64
(MIRA 18:1)

1. Leningradskoye vysshaye inzhenernoye morskoye uchilishche imeni admirala Makarova. Rekomendovana kafedroy teoreticheskoy radiotekhniki.

TSIBIK, I.V., inzh.; VIDIN, D.I., inzh.; KICHIGIN, V.V., inzh.; MALAKHOVA, K.V., inzh.; KOVOTOROV, Z.V., inzh.; SLOBODKINA, G.N., red.

[Recommendations on planning and organization of work in spanning river beds in the construction of hydroelectric power stations] Rekomendatsii po proektirovaniiu i organizatsii rabot pri perekrytii rusel rek na stroitel'stve gidroelektrostantsii. Moskva, Orgenergostroi, 1963. 102 p. (MIRA 17:1)

1. Russia (1923- U.S.S.R.) Tekhnicheskoye upravleniye po stroitel'stvu elektrostantsii i setey. 2. Vsesoyuznyy institut po proyektirovaniyu organizatsiy energeticheskogo stroitel'stva (for all except Slobodkina).
(Hydroelectric power stations)
(Hydraulic structures)



The effect of silicon on ductility of malleable iron. N. G. GIRSHOVICH AND E. K. VIDIN. *Soobshcheniya Vsesoyuznogo Inst. Metal.* 1931, Nos. 1-2, 30-3.—In hard castings tensile strength increases and sp. gr. decreases with increase of Si, while hardness is not affected. Ductility gradually increases with Si content and shrinkage increases at first up to 0.80% Si and then decreases. In tempered samples Si showed no effect on tensile strength, while sp. gr. decreased with increase of Si. For the ordinary European malleable iron it is best to keep to the limits of 0.4–0.7% Si, depending on the amt. of S and tempering temp. The lower limit applies to low S and highly heated metal, while the upper limit applies to high S and low heating temp. S. L. MADORSKY

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

B-1-4

Effect of silicon on ductility of malleable iron. N. G. Girshovich and E. K. Vidin (Soobshch. Vsesoyuz. Inst. Met., 1933, No. [illegible]).—In hard castings tensile [illegible] increase whilst d decreases with increase in Si; hardness is not affected. Shrinkage increases up to 0·9% Si and thereafter decreases. In tempered samples Si decreased d but did not affect tensile strength. For European malleable Fe the Si content should be from 0·4 (for low S, strongly heated metal) to 0·7% (high S, low tempering temp.). CH. ABS.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

COMMON ELEMENTS

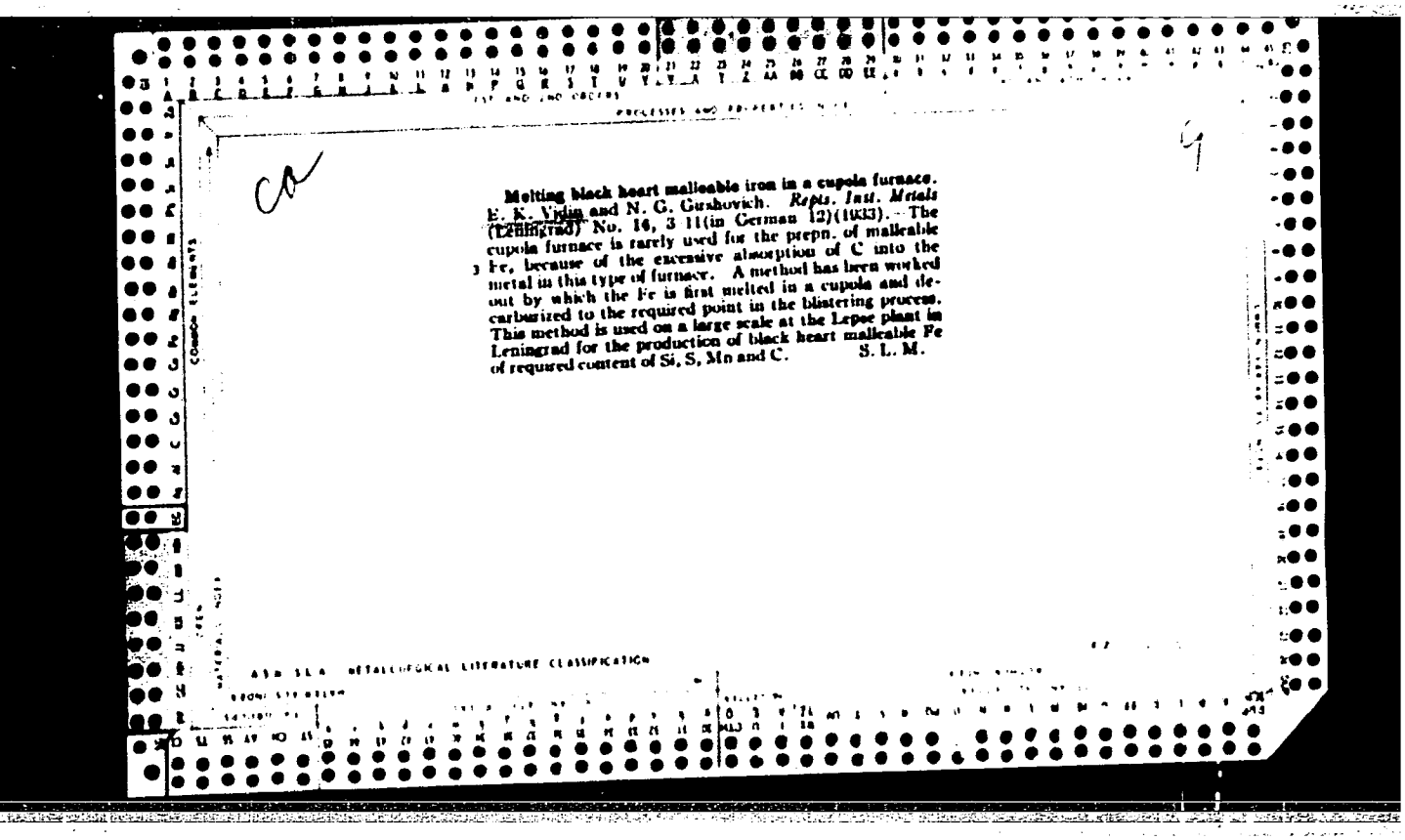
MATERIALS INDEX

COMMON VARIABLES INDEX

AUTHORS INDEX

1ST AND 2ND LETTER

3RD AND 4TH ORDERS



Melting black heart malleable iron in a cupola furnace. E. K. Vidin and N. G. Gushovich. *Repts. Inst. Metals (Leningrad)* No. 16, 3 11(in German 12)(1933). The cupola furnace is rarely used for the prepn. of malleable Fe, because of the excessive absorption of C into the metal in this type of furnace. A method has been worked out by which the Fe is first melted in a cupola and decarburized to the required point in the blistering process. This method is used on a large scale at the Lepse plant in Leningrad for the production of black heart malleable Fe of required content of Si, S, Mn and C. S. L. M.

PROCESSES AND PROPERTIES INDEX

Theory of the malleabilising process. N. G. Girshovich and E. K. Vidin (Trans. Inst. Met., Moscow, 1929, No. 4, 3—117).—The mechanism of graphitisation and decarburisation of white cast iron is discussed.

CHEMICAL ABSTRACTS.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

Theory of the malleabilizing process. N. G. Girshovich and E. K. Vidin. *Trans. Inst. Metals* (Moscow) No. 4, 3-117; (English summary) 118-9(1929).—The authors explain the mechanism of graphitization and decarburization of white cast Fe. Direct formation of temper C takes place in the attainment of equil. after decompn. of all free cementite. The growth of castings is due to the decompn. of cementite and depends on the amt. of temper C formed during annealing, and on the amt. of C oxidized out of the cementite or the solid soln. C. Z. Rosecrans

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

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Comparative oxidizability of graphite and temper carbon. N. G. Girshovich and K. K. Vitus. *Vestnik Metallopromyshlennosti* (Moscow) No. 11, 5-11(1929). Review of recent research in Germany and results of exptl. studies made at the Inst. of Metals in Leningrad explaining why malleable castings cannot be made from gray cast iron. R. I. S.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

L 29735-66 EWT(d)/EWT(l) IJP(c) WW

ACC NR: AP6003177 SOURCE CODE: UR/0147/65/000/004/0003/0006

AUTHOR: Vidin, Yu. V.; Ivanov, V. V. 71 B

ORG: none

TITLE: The temperature field in an infinite plate heated simultaneously by radiation and convection

SOURCE: IVUZ. Aviatsionnaya tekhnika, no. 4, 1965, 3-6

TOPIC TAGS: thermodynamic analysis, convective heat transfer, radiative heat transfer

ABSTRACT: In the heating of bodies with finite dimensions it is possible to employ a relatively simple method of calculation which is sufficient for practical engineering accuracy. The present article considers the solution of the following system of equations which describes the process of heating an infinite plate simultaneously by radiation and convection:

Card 1/2 UDC: 536.244+536.25

L 29735-66

ACC NR: AP6003177

$$\frac{\partial \theta}{\partial Fo} = \frac{\partial^2 \theta}{\partial X^2}, \quad (1)$$

$$0 < Fo < \infty, \quad -1,0 < X < 1,0,$$

$$\frac{\partial \theta (1, Fo)}{\partial X} = Sk \left\{ \frac{Bi}{Sk} [1 - \theta (1, Fo)] + [1 - \theta^4 (1, Fo)] \right\}, \quad (2)$$

$$\frac{\partial \theta (0, Fo)}{\partial X} = 0, \quad (3)$$

$$\theta (X, 0) = \theta_0. \quad (4)$$

After an extended mathematical development, the article proceeds to a numerical calculation for the case Sk = 0.4, Bi = 0.5, θ_0 = 0.2. Results of the calculation are exhibited in a table. Orig. art. has: 14 formulas and 1 table.

SUB CODE: 20/ SUBM DATE: 03Dec64/ ORIG REF: 003.

Card 2/2

VIDIN, Yu.V.; IVANOV, V.V.

Temperature field of an infinite plate simultaneously heated by radiation and convection. Izv.vys. ucheb. zav.; av. tekh. 8 no. 4:3-6 '65 (MIRA 19:1)

VIDIN, Yu.V.; BOYKOV, G.P.

Determining the temperature on the surfaces of an infinite plate subjected to radiant heating. Izv. TPI 125:3-7 '64.

Temperature field in a plane thick-walled screen. Ibid.:28-32

(MIRA 18:8)

VIDIN, Yu. V.; BOYKOV, G. P.

Calculating the asymmetrical heating of an infinite plate under the effect of radiation. Izv. vys. ucheb. zav.; chern. met. 7 no. 6:167-172 '64. (MIRA 17:7)

1. Tomskiy politekhnicheskiy institut.

ACCESSION NR: AP5017248 UR/0170/64/000/007/0075/0079

AUTHOR: Vidin, Yu. V.; Boykov, G. P.

TITLE: Application of the zone method to problems on nonsymmetric heat transfer

SOURCE: Inzhenerno-fizicheskiy zhurnal, no. 7, 1964, 75-79

TOPIC TAGS: heat transfer

ABSTRACT: The use of the zone method is proposed for the solution of the problem of nonsymmetric heating of an unbounded plate by radiation. The results can also be applied in the case of heat transfer at constant but differing heat fluxes on the surface of the plate. There was good agreement between experimental values and theoretical values. Orig. art. has: 1 figure, 20 formulas, 2 graphs.

ASSOCIATION: Politekhnicheskiy institut im. S. M. Kirova, Tomsk (Polytechnical Institute)

SUBMITTED: 01Apr64 ENCL: 00 SUB CODE: TD

NR REF SOV: 005 OTHER: 001 JPRS

Card 1/1

IVANOV, V.V.; VIDIN, Yu.V.

Temperature field in a parallelepiped heated by a radiant flow. Izv. vys. ucheb. zav.; chern. met. 8 no.5:180-182 '65. (MIRA 18:5)

1. Krasnoyarskiy politekhnicheskiy institut.

VIDIN, Yu.V.; IVANOV, V.V.

Calculating asymmetrical radiation heating of infinite plate. Izv. vyn. ucheb. zav.; chern. met. 7 no.12:144-147 '64 (MIRA 18:1)

1. Tomskiy politekhnicheskiy institut.

ACC NR: AP6030332 SOURCE CODE: UR/0170/66/011/002/0166/0170

AUTHOR: Vidin, Yu. V.

ORG: Polytechnic Institute, Krasnoyarsk (Politekhnicheskiy institut)

TITLE: The heating of a cylindrical body with internal heat transfer at a variable heat transfer coefficient

SOURCE: Inzhenerno-fizicheskiy zhurnal, v. 11, no. 2, 1966, 166-170

TOPIC TAGS: temperature distribution, convective heat transfer, heat transfer coefficient, cylindric body

ABSTRACT: An approximate method for solving the problem of temperature distribution of an infinite cylinder when the external heat transfer coefficient is a function of the time is presented. The heat release is constant during the whole heating process. Based on a system of equations characterizing the heating conditions, the solution of the problem is found in form of a differential equation satisfying the conditions of surface heating and symmetry of the temperature field. Numerical integration results of the relative temperature on the surface and in the center of the infinite cylinder are given. The method presented can be extended for the case of a variable temperature of the medium. Orig. art. has: 21 formulas and 1 table.

SUB CODE: 20/ SUBM DATE: 11Mar66/ ORIG REF: 003

Card 1/1 UDC: 536.246

VIDINA, A.A.; SOLNTSEV, N.A.; TSESEL'CHUK, Yu.N.

The Kasimov "opol'e." Vest. Mosk. un. Ser. 5:71-74 My-Je '61.
(MIRA 14:5)
(Kasimov District—Physical geography)

VIDINA, A.A.; SOLNTSEV, N.A., red.

[Methodological instructions for large-scale field studies of land characteristics for agricultural purposes in the central part of the East European Plain]Metodicheskie ukazaniia po polevym krupnomasshtabnym landshaftnym issledovaniiam; dlia tselei sel'skokhoziaistvennogo proizvodstva v srednei polose Russkoi ravniny. Pod red. N.A.Solntseva. Moskva, Mosk. gos.univ., 1962. 119 p. (MIRA 16:2)
(East European Plain--Agriculture--Maps)

VIDINA, A.A.

"Life of mountains" by I.S. Shchukin, O.E. Shchukina.
Vest. Mosk. un. Ser.5: Geog. 15 no.3:76 My - Je '60.
(MIRA 13:7)
(Mountains) (Shchukin, L.S.) (Shchukina, O.E.)

ZVORYKIN, K.V.; PERTSEVA, A.A.; TSEDELER, Ye.E.; LEBEDEV, N.P.; VIDINA, A.A.

Work in the typing and qualitative evaluating of arable lands.
Vop.geog. no.43:86-108 '58. (MIRA 12:5)
(Soils)

FEDOROV, Yu.V.; BURENKOVA, L.A.; VIDILINA, R.A.

Production of a dry inactivated brain antigen in tick-borne encephalitis for complement fixation reaction. Vop.virus. 7 no.6:741 N-D '62. (MIRA 16:4)

1. Tomskiy institut vaktsin i syvorotok.
(ANTIGENS AND ANTIBODIES) (ENCEPHALITIS)
(COMPLEMENT FIXATION)

VIDINCEV, Pane, inz.

Problem of double sampling. Automatizace 5 no.3:68-70 Mr '62.

1. Ustav teorie informace a automatizace, Ceskoslovenska akademie ved.

35275
Z/039/62/023/004/004/010
D291/D303

16,8000 (1031, 1132, 1329)

AUTHOR: Vidinčev, Pane, Engineer

TITLE: The influence of the sampling period on the limitation of the computer output

PERIODICAL: Slaboproudý obzor, v. 23, no. 4, 1962, 213-218

TEXT: The article describes the elements and functions of a digital (sampled-data) control system, points to its similarity to a continuous system, and engages in a detailed analytical study of the relationship between the sampling period and the computer-output limitation. The sampling period (T) is a very important parameter of a digital control system, since its reduction means that the sampling element delivers more frequently data on control errors $\varepsilon(t)$, i.e. the computer holds more accurate data on the controlled variable x(t). However, a reduction of the sampling period may result in overloading of some circuit elements, since the computer output is simultaneously increased. The computer output, i.e. the absolute value of the maximum computer-output coordinate, must therefore be limited. Since this output is a complex function of the

Card 1/3

The influence of the sampling ...

sampling period and the constants of the system, and the latter cannot be influenced, it is necessary to investigate which relationships exist between the sampling period and the computer output. The author uses a transfer calculus which is a modified form of the discrete Laplace transformation, described in J.Z. Tsypkin (Ref. 1: Teoriya impul'snykh sistem (Theory of Impulse Systems), chapt. I, V. Moscow: FIZMATGIZ 1958). He finally arrives at the formula

$$M(T) \leq \frac{1}{\sum_{n=0}^{m} b_n(0)} \max (s_0, s_1, s_2, \ldots, s_{m-1}, s_m) \qquad (11)$$

which is the required expression for the relation between the sampling period and the absolute value of the maximum output coordinate of a digital computer incorporated into a control system. The solution of the function M(T) requires the knowledge of the functions

$$\sum_{n=0}^{m} b_n(0) = B^{*}(1,0) = f_1(T) \qquad (12)$$

Card 2/3

and $\max (s_o, s_1, s_2, \ldots, s_{m-1}, s_m) = s = f_2 (T)$ (13)

The author then calculates these functions and graphically represents the relationship between the sampling period and the output limitation of digital computer incorporated into a control system with and without an integration element. In conclusion, the author states that the derived results permit control engineers to determine the shortest possible sampling periods according to the properties of the controlled system, so that the computer output never exceeds the limit given by the properties of the technological equipment (e.g. control elements, etc.) There are 3 figures and 1 Soviet-bloc reference.

ASSOCIATION: Ústav teorie informace a automatizace ČSAV (Institute for Information Theory and Automation, Czechoslovak AS)

SUBMITTED: December 28, 1961

Card 3/3

168000

z/039/62/023/007/003/005
D409/D301

AUTHOR: Vidinčev, Pane, Engineer

TITLE: Digital analogy of continuous controllers

PERIODICAL: Slaboproudý obzor, v. 23, no. 7, 1962, 385 - 389

TEXT: The article deals with the synthesis of digital (sampled-data) control circuits based on the optimum-module criterion. The aim of the synthesis is to determine the transfer characteristics of digital correction members (controllers) which are digital analogies of continuous controllers with a maximum of three functional members, namely P (proportional), PI (proportional-integrational), and PID (proportional integrational-differential) type. The author states that the optimum-module criterion is likewise very advantageous for digital control-system synthesis, and analyzes some properties of closed-loop digital control circuits where the controlled system is either a static or an integrating element. Using the Laplace transform to calculate digital controller transfer characteristics, and considering the require-

Card 1/3

Digital analogy of continuous ...

ments imposed on the system by the optimum control module, the author arrives at conditional equations for two digital correction members. These are the PS (proportional summing) element which is an analogy of the PI continuous controller, and the PSD digital element which is an analogy of the PID continuous controller. Also listed are the conditions under which these digital controllers must be used to ensure the stability of the control system. The same transfer calculus can also be applied to formulate the conditional equations of digital correction members which are analogies of continuous controllers type P and PD and such with more than three functional members. Digital controllers with more functional members are much easier attainable than analogous continuous controllers; however, the influence of functional members and of the sampling intervals on the control-circuit quality must still be investigated. There is 1 figure.

ASSOCIATION: Ústav teorie informace a automatizace ČSAV, Praha
(Institute of Information Theory and Automation,
Czechoslovak AS, Prague)

Digital analogy of continuous ...

Z/039/62/023/007/003/005
D409/D301

SUBMITTED: February 5, 1962

Card 3/3

VIDINCEV, Pane, inz.

Identification of linear continuous systems. Automatizace 6 no.7:161-165 Jl '63.

1. Ustav teorie informace a automatizace, Ceskoslovenska akademie ved.

VIDINCEV, Pane, inz.

Criterion of optimum control and the control process stability.
Automatizace 7 no.10:293-296 O '64.

1. Institute of Information Theory and Automation, Czechoslovak Academy of Sciences, Prague.

VIDINCEV, Pane, inz.

Identification of linear systems with lumped parameters. Kybernetika 1 no.1:37-46 '65.

1. Institute of Information Theory and Automation of the Czechoslovak Academy of Sciences, Prague 2, Vysehradska 49. Submitted May 10, 1964.

L 3052-66 EPF(n)-2/EWP(v)/EWP(k)/EWP(h)/EWP(l) IJP(c) WW/BC
ACCESSION NR: AP5026340 CZ/0088/65/000/001/0037/0046

AUTHOR: Vidincev, Pane (Engineer)

TITLE: Investigation of linear systems with lumped parameters

SOURCE: Kybernetika, no. 1, 1965, 37-46

TOPIC TAGS: linear control system, linear automatic control, automatic control theory, parameter

Abstract [author's English summary, modified]: A prerequisite for the synthesis of control systems is knowledge of the dynamic properties of the controlled plant, i.e. the properties that are taken into consideration when computing the transfer function of the correcting element. The determination is discussed of the dynamic properties of linear systems with constant lumped parameters. The dynamic properties are described by the transfer function

$$K(p) = \frac{\sum_{\mu=0}^{m} B_\mu p^\mu}{\prod_{\nu=1}^{n} (p + b_\nu)^{N_\nu}} = \sum_{\nu=1}^{n} \sum_{j=1}^{N_\nu} \frac{A_{\nu j}}{(p + b_\nu)^{N_\nu + 1 - j}},$$

The problem consists of determining the (generally complex) numbers b_ν and $A_{\nu j}$, and the order

$$m = \sum_{\nu=1}^{n} N_\nu \geq m + 1$$

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L 3052-66
ACCESSION NR: AP5026340

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provided some characteristic of the investigated plant is given. In the paper it is assumed that the step response of the plant is known and is used to compute the original transfer function (1). The method takes into consideration the noise that distorts the plant output signal. Orig. art. has 41 formulas.

ASSOCIATION: Ustav teorie informace a automatizace CSAV, Prague (Institute of Information Theory and Automation, CSAV)

SUBMITTED: 10Mar64 ENCL: 00 SUB CODE: IE, MA

NO REF SOV: 001 OTHER: 001 JPRS

Card 2/2

IVANOV, E.A.; VIDINEYEV, L.P.; GINZBURG, E.L.; MAZUR, V.B.

Tectonic development of the lower Paleozoic of the southern part of the Siberian Platform. Neftegaz. geol. i geofiz. no. 10:12-15 '64 (MIRA 18:1)

1. Gosudarstvennyy trest po geologicheskim izyskaniyam na neft' v Vostochnoy Sibiri.

VIDINEYEV, M.

Growing rice in the Don Valley. Nauka i pered. op. v sel'khoz 8 no.12:52-53 D '58. (MIRA 12:1)

1.Zamestitel' direktora po nauchnoy chasti Rostovskoy oblastnoy opytno-meliorativnoy stantsii.
(Don Valley--Rice)

USSR/Cultivated Plants - Grains. U-4

Abs Jour : Ref Zhur - Biol., No 9, 1956, 39232

Author : Vidineyev, M.M.
Inst : -
Title : Corn on the Irrigated Land of Rostovskaya Oblast.

Orig Pub : V sb.: Kukuruza v 1955 g. Vyp. 6, M., Sel'khozgiz, 1956, 129-136.

Abstract : It is recommended that the land be thoroughly irrigated before sowing at the rate of 800 - 900 m^3 per ha to insure more moisture. The vegetation should be sprayed not less than twice during a dry spring and when the soil holds insufficient moisture at the beginning of corn sowing in Rostovskaya oblast. In 1955 average corn cob yields of up to 30 cwt per ha were obtained with one watering, yields of 40-50 cwt were obtained with two sprayings, and up to 80 cwt per ha were harvested with three sprayings. -- Ye.T. Zhukovskaya

Card 1/1

VIDINEYEV, M.M.

Wild rice is a good waterfowl food. Ptitsevodstvo 9 no.5:28-29 My '59. (MIRA 12:7)
(Ducks--Feeding and feeding stuffs)
(Geese--Feeding and feeding stuffs)

VIDINEYEV, Mikhail Mikhaylovich

[Planning irrigation districts; structural planning and operational allotments] Planirovanie oroshaemykh uchastkov; stroitel'naia planirovka i ekspluatatsionnoe vuravnivanie. Rostov-na-Donu, Rostovskoe kn-vo, 1955. 23 p. (MLRA 9:7)
(Irrigation)

VIDINEYEV, Yuriy Dmitriyevich; OGIYEVICH, V.A., red.

[Automatic continuous dispensing of materials] Avtomatichesko nepreryvnoe dozirovanie materialov. Moskva, Energiia, 1965. 109 p. (MIRA 18:10)

VIDINEYEV, Yu.D.

Laboratory hydraulic press with automatic control. Zav.lab. 22 no.1:121-122 '56. (MLRA 9:5)

1. Vsesoyuznyy gosudarstvennyy proyektnyy institut "Gidroenergoproyekt".
(Hydraulic presses) (Automatic control)

VIDINEYEV, Yu.D., inzhener.

Continuous-operation volumetric belt batcher. Gidr.stroi.25 no.5: 17-19 Je '56. (Conveying machinery) (MLRA 9:9)

PA-3114

AUTHOR: Engineer VIDINEYEV, Yu.D.

TITLE: An Automatic Electronic Drive for a Cement Dosing Tank. (Avtomaticheskiy ionnyy privod dozatora tsementa. Russian).

PERIODICAL: Elektrichestvo, 1957, Nr 5, pp 77 - 78 (U.S.S.R.)
Received: 6 / 1957 Reviewed: 7 / 1957

ABSTRACT: The cement dosing tank consists of a spiral drive and a balance conveyor belt. The cement weight is dosed corresponding to the position of the indicator of the balance and serves as regulating parameter. The conversion of the balance impulse into electrical impulses takes place by means of an induction transmitter which is connected together with a bridge consisting of a transformer, a rheostat (470 ohms) and a selenium rectifier. A thyratron TG 15/3 is used for a lamp. The unit has a compound wound motor (with 5,8 KW and 1300 r/min, and a selenium rectifier in the circuit of the shunt coiling) and an electromotor with speed reducer drive (i=40) placed on the frame of the cement dosing tank. The trials were carried out with and without loads. The automatic installation reacted instantaneously with each fluctuation. The reduction of the balance wheel moment of the motor can diminish the time of the transition processes without leading to the unstability of the system or to the appearance of the fluctuations. The plan described permits the realization of an automatically regulated drive system with regulation limits of

PA-3114

An Automatic Electronic Drive for a Cement Dosing Tank.

1 : 2. The use of such an installation makes it possible to carry out a continuous dosing of cement with automatic weight correction along with a simple automatic. (With 3 illustrations and 2 Slavic references.)

ASSOCIATION: Not given
PRESENTED BY:
SUBMITTED: 1. 10. 1956
AVAILABLE: Library of Congress

Card 2/2

VIDINEYEV, Yu. D

VIDINEYEV, Yu.D., insh.

Layout for concrete plants. Gidr.stroi.26 no.12:34-35 D '57. (MIRA 10:12)

(Concrete plants)

VIDINEYEV, Yu.D., inzh.

A simple method of controlling the water-cement ratio in cement paste. Stroi.prom. 35 no.9:44-45 S '57. (MIRA 10:10)
(Cement)

GERSHANOVICH, G.L., inzh.; VIDINEYEV, Yu.D., inzh.; BALAKIN, A.Ya., inzh.

Automatic damping chambers to be used in laboratories. Bet. i zhel.-bet. no.9:358-359 S '58. (MIRA 11:10)
(Girders)

15(6) SOV/98-59-3-2/17

AUTHOR: Vidineyev, Yu.D., Engineer

TITLE: Some Perspective Solutions of Systems for the Continuous Preparation of Concrete Mixtures (Nekotoryye perspektivnyye resheniya nepreryvno-potochnykh liniy prigotovleniya betonnoy smesi)

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1959, Nr 3, pp 14-18 (USSR)

ABSTRACT: The author proposes various theoretical solutions for the continuous preparation of concrete mixtures under industrial conditions. To achieve the mechanization of a large number of operations, the use of a conveyer belt 400-500 m long is recommended. All necessary components are carried on this belt to the mixer, from which another transporter belt takes the prepared cement dough to the working front or to the bunker-distributor. There are 3 sets of diagrams, 1 diagram and 5 Soviet references.

Card 1/1

VIDINEYEV, Yu.D.; ZALIVADNYY, B.S.; KUZNETSOV, Yu.P.

Design of toothed rotary dynamometers. Priborostroenie no.12:7-8 D'63. (MIRA 17:5)

KOROLEV, Konstantin Mikhaylovich, kand. tekhn. nauk; OGIYEVICH, Vladimir Alekseyevich, kand. tekhn. nauk; VIDINEYEV, Yu.D., nauchn. red.; BEREZOVSKAYA, A.L., ved. red.

[Operator of automatic batching apparatus, concrete mixers and concrete mixing plants] Mashinist avtomaticheskikh dozatorov, betonosmesitelei i betonosmesitel'nykh ustanovok. Moskva, Vysshaia shkola, 1965. 272 p. (MIRA 18:8)

VIDINEYEV, Yu.D., kand.tekhn.nauk

Stressed joints of wire-reinforced concrete elements. Gidr. stroi. 32 no.8:28-30 Ag '62. (MIRA 15:9)
(Building—Details) (Precast concrete—Testing)

VIDINEYEV, Yu.D.; BALAKIN, A.Ya., inzh.; KARAULOVA, N.P., tekhn.

Wire dynamometer for reinforcement wire. Bet. i zhel.-bet. 8 no.3:126-127 Mr '62. (MIRA 15:3)
(Dynamometer) (Concrete reinforcement)

VIDINEYEV, Yu.D., kand.tekhn.nauk

Rapid method of determining the moisture of sand for concrete. (MIRA 15:6)
Bet. i zhel.-bet. 8 no.5:232-233 My '62.
(Sand)

VIDINEYEV, Yu.D., inzh.

Experimental manufacture of wire-reinforced concrete elements. Energ. stroi. no.3:64-68 (13), 1960. (MIRA 14:9)

1. Moskovskoye otdeleniye instituta "Gidroenergoproyekt".
(Prestressed concrete)

VIDINEYEV, Yu.D., kand.tekhn.nauk

Production of prestressed reinforced concrete. Gidr. stroi. 30 no.6:19-24 Je '60. (MIRA13:7)
(Prestressed concrete)

VIDINEYEV, Yu. D., Candidate of Tech Sci (diss) -- "Continuous-flow application of the components of a concrete mixture on large hydralic-engineering construction jobs". Gor'kiy, 1959. 18 pp (Min Higher Educ USSR, Gor'kiy Construction Engineering Inst im V. P. Chkalov), 150 copies (KL, No 20, 1959, 112)

30(1) SOV/98-59-10-14/20

AUTHOR: Vidineyev, Yu.D., Engineer

TITLE: The Problem of the Drainage of Earth Dams on Riverbeds

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1959, Nr 10, p 50 (USSR)

ABSTRACT: This is a short note of criticism referring to an article published in the same journal by V.Ya. Krasnov concerning the problem of drainage in earth dams on riverbeds. While the author of the criticism finds the proposed system of great practical interest due to its simplicity, the use of this method is questionable when sufficient quantities of stones are located on site. The suggestion is also made that, particularly in the case of large-scale drain construction, this scheme should be fully mechanized, in order to provide for greater economy, and that more accurate calculations of the shapes of the banket and reverse filters should be made, since the tables given did not provide a clear picture of these factors.

Card 1/1

VIDINEYEVA, A.I.

Cleaning spinnerets by means of ultrasonic waves. Khim. volok. no. 6:56 '60. (MIRA 13:12)

1. Kamenskiy kombinat.
(Spinning machinery)
(Ultrasonic waves--Industrial applications)

BULIC, Beatrica; VIDINIC, Zoran

A further contribution to the study of genus Dolopys Herring.
Fragmenta Balk Skopje 4 no.22:171-176 '63.

1. Institute of Biology of the University of Zagreb (for Bulic).
2. Zoological Institute of the Faculty of Natural Sciences, University of Skopje (for Vidinic).

VIDINIC, Zoran

Micromys minutus brauneri Martino, new mammal from Macedonia. Fragmenta Balk Skopje 4 no.21:167-170 '63.

1. Zoological Institute of the Faculty of Natural Sciences, University of Skopje.

VIDINSKI, R.

"Completion of the construction projects before the fixed time, an important reserve for fulfillment of the third Five-Year Economic Plan in shortened terms."

STROITELSTVO., Sofiia, Bulgaria., Vol. 6, No. 1, 1959

Monthly list of EAST EUROPEAN ACCESSIONS (EEAI), LC, Vol.8, No. 7, July 1959, Unclas

L 5356-66 EWT(m)/EPF(c)/T DJ

ACC NR: AP5026559 SOURCE CODE: UR/0286/65/000/019/0114/0114

INVENTOR: Gafanovich, A. A.; Zanin, A. V.; Vidishev, B. G.; Filimonov, V. N.

ORG: none

TITLE: Cardan shaft with protective housing. Class 47, No. 175358

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 19, 1965, 114

TOPIC TAGS: Cardan shaft, universal joint

ABSTRACT: An Author Certificate has been issued for a Cardan shaft consisting of a protective housing in the form of a telescoping tube with hemispheres, a shaft, and joints with grooved yokes. To better protect the Cardan shaft and prevent the housing's rotation, the housing is equipped with outer hemispheres connected to inner hemispheres by rings located in the universal joint's plane of vibration (See Fig. 1) and mounted on sealed ball bearings installed on the hubs of the grooved

Card 1/2 UDC: 621—76—233.1.825.6

L 5356-66
ACC NR: AP5026559

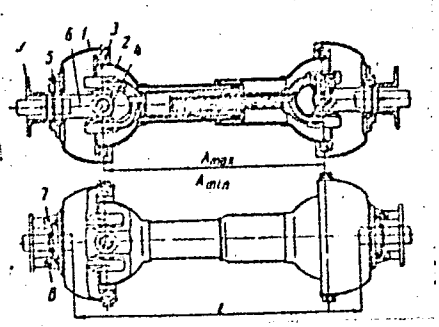


Fig. 1. Cardan shaft with protective housing

1 - Outer hemisphere; 2 - inner hemisphere; 3 - ring; 4 - joint; 5 - sealed bearing; 6 - grooved yoke; 7 - ears; 8 - lugs; 9 - connecting flange.

yokes. To prevent the Cardan shaft from operating without the protective housing, the outer hemispheres are fitted with ears for connection with the appropriate lug of the connecting flange. Orig. art. has: 1 figure. [KT]

SUB CODE: IE/ SUBM DATE: 13Nov63/ ATD PRESS: 4137

Card 2/2

KURIL'CHIKOV, Ye.A.; PEN'KOVA, M.P.; VIDISHEVA, A.N.

Graft polymers of proteins with acrylonitrile. Report No.1.
Khim. volok. no.2:28-32 '59. (MIRA 12:9)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna.
(Proteins) (Acrylonitrile) (Polymers)

USSR/Microbiology. Microbes Pathogenic for Man and Animals F

Abs Jour : Ref Zhur-Biol, No 13, 1958, 57749

Author : Vidinskiy M. F., Chernysheva Ye. I.
Inst : Not given
Title : Significance of Dissociation of the Laboratory Strains PW8 for the Derivation of High Strength Toxins

Orig Pub : Materialy po obmenu opytom, Gl. upr. in-tov vaktsin i syvorotok M-va zdravookhr. SSSR, 1956, 2/52, 73-76

Abstract : In the course of the preservation of C diphtheria strains PW8 dissociation takes place with the formation of weakly toxigenic variants which form toxins of various strengths. Strain selection was carried out, the preserved cultures

Card 1/2

U3SR/Microbiology. Microbes Pathogenic for Man and Animals F

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57749

Abstract : were seeded in a Marten bullion, samples more typical to the R form of growth were taken and seeded on a blood-agar medium. After the 6th to 8th passage from the bullion to the blood-agarmedium colinies typical of the R form were obtained; highly active toxin was obtained when these were seeded.

Card 2/2

CA

The pyrazole series. III. Alois Vystrčil and Jaroslav Vejdělka (Charles Univ., Prague, Czech.). *Chem. Listy* 45, 407-9(1951); cf. preceding abstr.—*2-Ethylmercapto-4-methyl-6-hydroxypyrimidine* (I) was methylated to the MeO compd. (II) which gave *2-hydrazino-4-methyl-6-methoxypyrimidine* (III) on heating with N_2H_4. III with furfural and $AcCH_2CO_2Et$ (IV) gave the corresponding hydrazones (V and VI, resp.). The 6-Cl analog (VII) of I heated with N_2H_4 gave the *6-hydrazino compd.* (VIII) and *2-hydroxy-4-methyl-6-hydrazinopyrimidine* (IX). VIII and IV yielded *2-ethylmercapto-4-methyl-6-pyrimidylhydrazone* (X) of IV. IX and IV gave *1-(2-hydroxy-4-methyl-6-pyrimidyl)-3-methyl-5-pyrazolone* (XI). I (8.51 g.) was refluxed 6 hrs. with 9 g. MeI in 50 ml. EtOH contg. 1.15 g. Na. The EtOH (30 ml.) distd. off, the residue poured into water, and the oily layer extd. with Et_2O and distd., yielding 4.85 g. (52.6%) II, b. 110–15°, m. 58–9°. II (8.6 g.) and 5 ml. 94% $N_2H_4.H_2O$ were refluxed in 50 ml. EtOH 4 hrs., the crystals of III wgd., the mother liquor was evapd., and both crops were recrystd. from EtOH, yielding 5.36 g. (76.5%) III, m. 199–201°. Furfural and III gave V (*2-furfurylidenehydrazino-4-methyl-6-methoxypyrimidine*), m. 128–8.5°. III (3 g.) and 2.65 g. IV were refluxed in 50 ml. EtOH 2 hrs., the EtOH was distd. off, and the oily residue dissolved in 120 ml. boiling water, yielding 3.06 g. VI on cooling, and an addnl. 0.75 g. on evapg.; the 2 crops, after recrystn. from EtOH, m. 114.5–15°. VII (2 g.) and 7.5 g. 90% $N_2H_4.H_2O$ were refluxed in a 50 ml. EtOH soln. 3 hrs. and the residue, after evapn. of the EtOH, was extd. hot with Et_2O, yielding 4.02 g. VIII, m. 91–2°. The extn. residue (1.85 g.), m. 211°. Shorter reaction time favored the formation of VIII. VIII and IX treated with furfural gave hydrazones, m. 123° and 234°, resp. VIII (1.84 g.) and 1.30 g. IV were heated 30 min. on a steam-bath, cooled, dissolved in CCl_4, and pptd. with petr. ether; cooling with Dry Ice gave 1.02 g. X, m. 70–1°. IX (1.40 g.) and 1.30 g. IV refluxed 3 hrs. in 10 ml. EtOH, the mixt. evapd., the residue dild. with water, and the crystals recrystd. from dil. EtOH yielded 1.61 g. (78%) XI, m. 205°.

M. Hudlický

YAZMIR, M.M.; VIDISHCHEVA, O.P.

Tracks of Vermes in the Lower Cambrian in the region of the middle part of the Aldana River. Uch.zap. SGU 74:167-178 '60. (MIRA 15:7)

(Aldan Valley--Worms, Fossil)

MYLKO, S.N.; VIDISHEV, V.E.

[Experience in high-speed steel production; from work practice of the Voroshilovgrad Locomotive Works] Praktika skorostnogo stalevareniia; iz opyta Voroshilovgradskogo parovozostroitel'nogo zavoda. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit.lit-ry, 1953. 62 p. (MLRA 6:12)
(Voroshilovgrad--Steel) (Steel--Voroshilovgrad)

VIDISHEV, V.Ye., inzh.; CHAPLYGIN, Yu.V., inzh.; CHERNENKO, G.G., inzh.

Transformation of an open-hearth furnace for a combined heating with the use of natural gas. Mashinostroenie no.4:41-46 Jl-Ag '62. (MIRA 15:9)

1. Luganskiy teplovozostroitel'nyy zavod.
(Lugansk--Open-hearth furnaces)

VIDISHEV, V. Ye.

Mylko, S. N.

Experience in high-speed steel production; from work practice of the Voroshilovgrad Locomotive Works. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1953. 62 p. (54-21342)

TS330.V7M9

KURIL'CHIKOV, Ye.A.; PEN'KOVA, M.P.; VIDISHEVA, A.N.

Preparation of synthetic fiber from graft polymers of protein with acrylonitrile. Report No.2. Khim.volok. no.4:16-19 '59. (MIRA 13:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna.
(Textile fibers, Synthetic) (Acrylonitrile) (Proteins)

VIDINEYEV, YU. D.

AID P - 2578

Subject : USSR/Hydraulic Engineering

Card 1/1 Pub. 35 - 1/20

Author : Vidineyev, Yu. D., Eng.

Title : Continuous production line in concrete work

Periodical : Gidr stroi, 4, 1-5, Ap 1955

Abstract : The process of continuous transportation and placing of concrete as established after many experiments is reported in detail. A picture showing the mixing yard and four diagrams illustrating the various stages of concrete work are attached.

Institution : None

Submitted : No date

VIDINEYEV, Yu.D., inzhener

Continuous-flow production line for concrete work. Gidr.stroi. 24 no.4:1-5 '55. (MLRA 8:6)
(Concrete construction) (Hydraulic engineering)

A. A. VIDKON

A. A. VIDKON, new television-picture tube. p. 50. Vol. 5, no. 11, 1956
ELEKTROENERGIIA. Sofiia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol 6, No. 4--April 1957

VIDLAKOVA, M.; KLEINZELLER, A.

Active transport of electrolytes in the smooth muscle of pigeon gizzard and rabbit aorta. Physiol. bohemoslov. 12 no.3:202-207 '63.

1. Laboratory for Cellular Metabolism, Institute of Microbiology, Czechoslovak Academy of Sciences, Prague.
(MUSCLE, SMOOTH) (AORTA) (SODIUM)
(CHLORIDES) (POTASSIUM) (WATER)
(MINERAL METABOLISM) (PHYSIOLOGY)

VIDLAKOVA, M.; KLEINZELLER, A.

Distribution of water and electrolytes in pigeon gizzard slices and rabbit aortal strips. Physiol. bohemoslov. 12 no.3:196-201 '63.

1. Laboratory for Cellular Metabolism, Institute of Microbiology, Czechoslovak Academy of Sciences, Prague.

(MUSCLE, SMOOTH) (AORTA) (WATER)
(SODIUM) (POTASSIUM) (CHLORIDES)
(PHYSIOLOGY) (METABOLISM)

TURAI, I., prof.; CONSTANTINESCU, O., dr.; CONSTANTINESCU, M., dr.; SOARE, M., dr.; VIDLESCU, V., ext.

Findings and results in the treatment of acute pancreatitis. Med. intern. 15 no.6:659-665 Je '63.

1. Lucrare efectuata in Clinica a II-a chirurgicala, Spitalul "I.C. Frimu", Bucuresti, (director prof. I. Turai). 2. Membru corespondent al Academiei R.P.R. (for Turai).
(PANCREATITIS) (PROCAINE) (ANTIHISTAMINICS)
(ATROPINE) (ANTIBIOTICS)

VIDLICKA, Milan

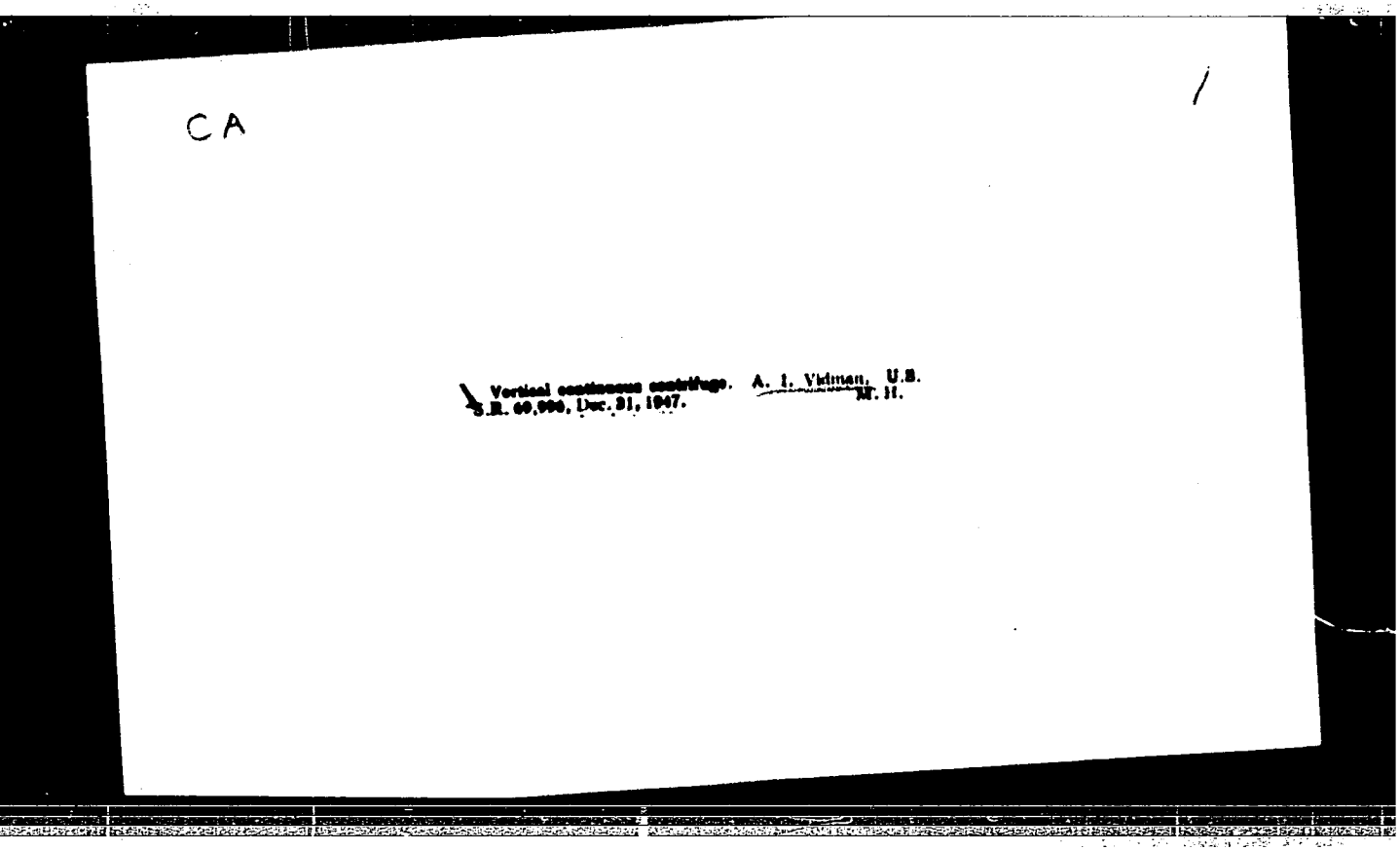
Electric medicinal thermometer. Cas. lek. cesk. 96 no.13: 405-406 29 Mar 57.

1. Proskovice 121 u Ostravy. Do redakce doslo v kvetnu 1956.
(THERMOMETERS
electric med. thermometer, design. (Cz))

CA

Apparatus - 1

Two granular forms of sublimed molybdenum trioxide. F. Benesovsky and A. Vidmajer (Metallwerke Plansee, Reutte/Tirol, Austria). *Österr. Chem.-Ztg.* 53, 158-60 (1952).—The MoO_3 obtained industrially by sublimation consists of 2 forms which are separable through d. differences. They differ mainly in phys. properties. In the electron microscope the heavy form appears as spheres, the light as needlelike platelets. Both forms give identical pictures after vacuum sublimation. H. P. Block



CA

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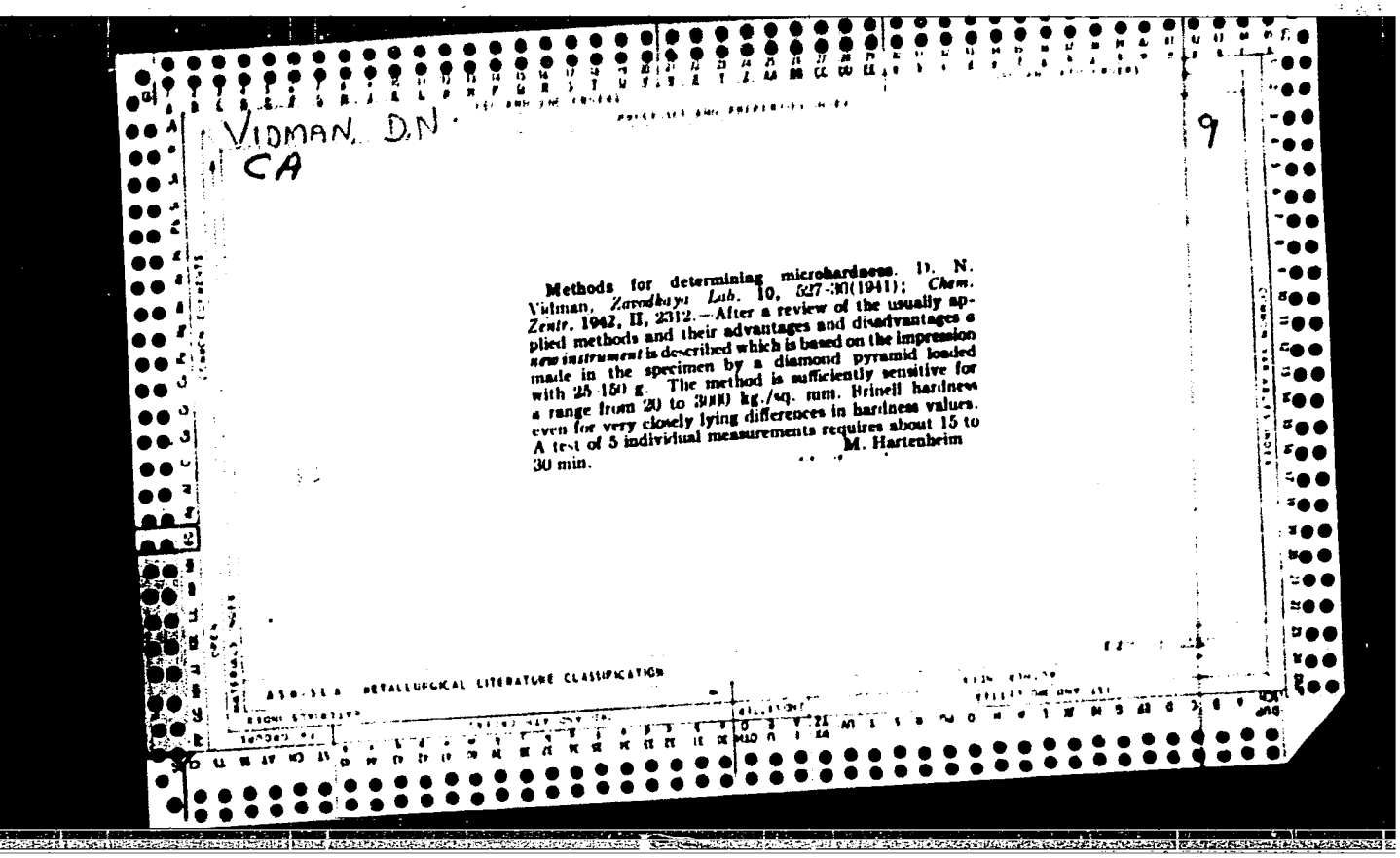
Vertical continuous centrifuge. A. I. Vidman, U.S.S.R. 69,696. Dec. 31, 1947. M. H.



VIDMAN, D.N.
CA

9

Methods for determining microhardness. D. N. Vidman, *Zavodskaya Lab.* 10, 627-30(1941); *Chem. Zentr.* 1942, II, 2312.—After a review of the usually applied methods and their advantages and disadvantages a *new instrument* is described which is based on the impression made in the specimen by a diamond pyramid loaded with 25-150 g. The method is sufficiently sensitive for a range from 20 to 3000 kg./sq. mm. Brinell hardness even for very closely lying differences in hardness values. A test of 5 individual measurements requires about 15 to 30 min.

M. Hartenheim

A50-51A METALLURGICAL LITERATURE CLASSIFICATION

VIDMAN, I. N.

O stroenii izlomov pri avariinykh razrusheniiakh ot ustalosti. (Vestn. Mash., 1948, no. 9, p. 18-24)

Includes bibliography.

Structures of fractures due to fatigue failures.

DLC: TN4.V4

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

VIDMAN, D.N.

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 367 - I

Call No.: TN672.V8

BOOK

Author: VIDMAN, D. N.

Full Title: METHOD OF EVALUATION OF STRUCTURAL STRENGTH BY THE CHARACTER OF FATIGUE FRACTURES

Transliterated Title: Metod otsenki konstruktsionnoy prochnosti po stroyeniyu ustalostnykh izlomov

Publishing Data

Originating Agency: All-Union Scientific Engineering and Technical Society of Machine Builders. Urals Branch

Publishing House: State Scientific and Technical Publishing House of Machine Building Literature ("Mashgiz")

Date: 1950 No. pp.: 13 No. of copies: 3,000

Text Data

This is an article from the book: VSESOYUZNOYE NAUCHNOYE INZHENERNO-TEKHNICHESKOYE OBSHCHESTVO MASHINOSTROITELEY. URAL'SKOYE OTDELENIYE, THERMAL TREATMENT OF METALS - Symposium of Conference (Termicheskaya obrabotka metallov, materialy konferentsii) (p.394-404), see AID 223 - II

Coverage: The study of structural characteristics of specimen features obtained under different cyclic overloads is outlined. These characteristics of fractures were classified in accordance with general appearance and corresponding fatigue stresses.

1/2

Metod otsenki konstruktsionnoy prochnosti po stroyeniyu ustalostnykh izlomov

AID 367 - I

The limits of fatigue and the forms of the fatigue curves are related to the properties of the material and the technology of its preparation. However, numerous shapes of parts and variety of concentrated stresses in the dangerous zones have various effects on the value of the coefficient of cyclic overloading. In order to avoid this complexity, the author analytically formulated the effective coefficient of concentration of stresses on the basis of experimental and theoretical data obtained on specimens with and without undercut. 4 photographs, 3 charts and 2 tables.

Purpose: For scientific workers
Facilities: None
No. of Russian and Slavic References: None
Available: Library of Congress.

VIDMAN, D. N. and KUDRYAVTSEV, I. V.

"Increasing the Endurance of the Welded Rotor of the Low-Pressure Cylinder in a 35,000-Kw Turbine," pp. 122-126 of the book "Studies on the Strength of Steel," Mashgiz, 1951

Translation W-23621, 21 Aug 53