RAYER, G. A.: Master Tech Sci (diss) -- "Investigation of the stressed state of the wheels of centrifugal compressor machines". Leningrad, 1958. 13 pp (Min Higher Educ USSR, Leningrad Polytech Inst im M. I. Kalinin), 150 copies (KL, No 7, 1959, 125)

RAYER, G.A., inzh.

Calculating the strength of runner discs of centrifugal compressor machines. Energomashinostroenie 4 no.7:10-14 Jl 158.

(Turbines)

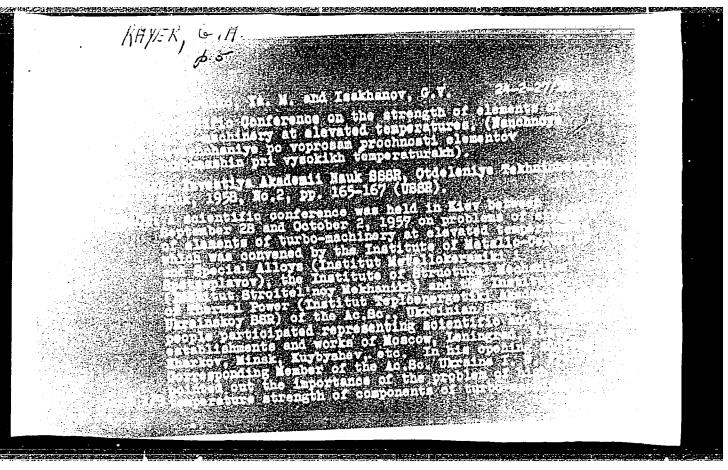
(MIRA 11:10)

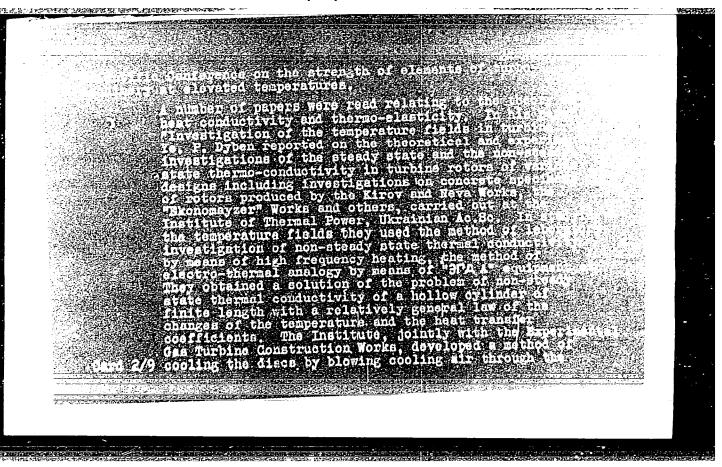
XUZNETSOV, L.A., kand. tekhn. nauk; RAYER, G.A., inzh.

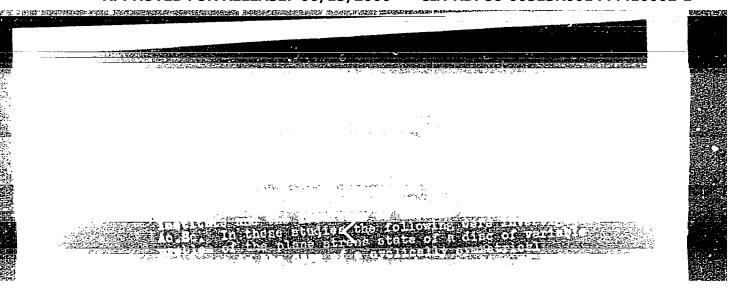
Start voltages in seamless forged rotors of gas turbines.

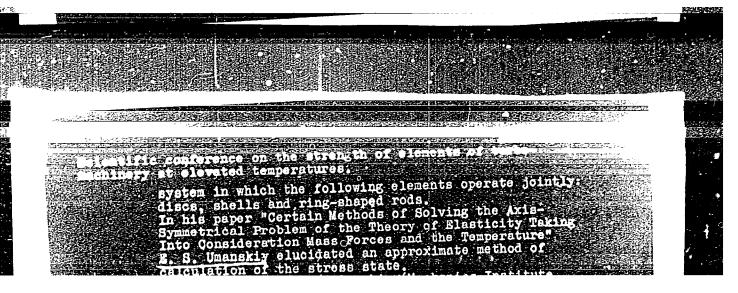
Energonashinostroenie 4 no.12:1-3 D 58. (MIRA 11:12)

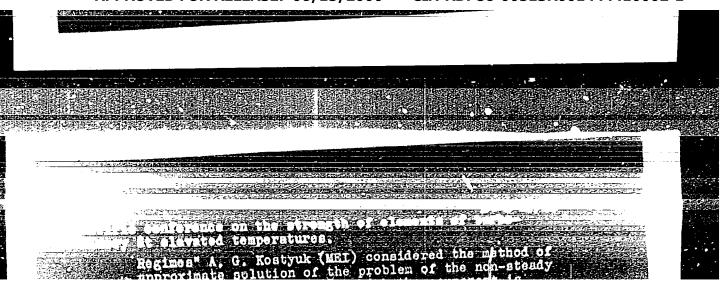
(Gas turbines)

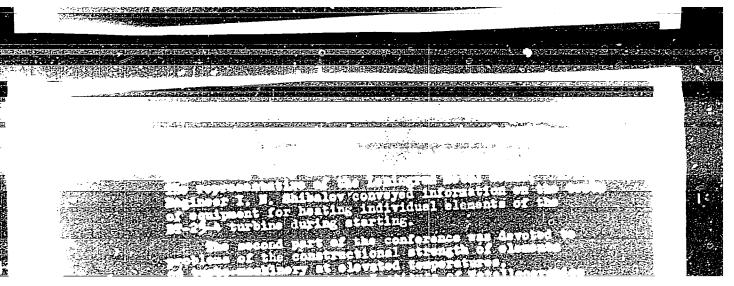


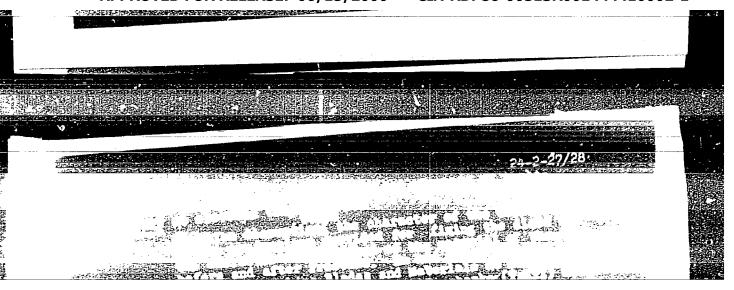












RAYER, G.A., kand.takhn.nauk

Investigating the dynamic strength of the wheels of centrifugal compressors. Energomashinostroenia 7 no.9:14-17 S *61.

(MIRA 14:9)

(Compressors-Testing)

KOBRIN, Mikhail Moiseyevich; ROZENBERG, A.M., retsenzent; RAYER, G.A., nauchnyy red.; NIKITINA, R.D., red.; SHISHKOVA, L.M., tek hn. red.

[Strength of rotating disks] Prochnost' vrashchaiushchikhsia diskov. Leningrad, Sudpromgiz, 1963. 339 p. (MIRA 16:4) (Disks, Rotating-Testing)

ACCESSION NR: AP4023733

5/0114/64/000/003/0022/0025

AUTHOR: Rayer, G. A. (Candidate of technical sciences)

TITLE: Investigation of the dynamic strength of the rotor of a cantilever-type supercharger

SOURCE: Energomashinostroyeniye, no. 3, 1964, 22-25

TOPIC TAGS: supercharger, cantilever type supercharger, supercharger rotor, supercharger rotor strength, supercharger rotor dynamic strength, supercharger break

ABSTRACT: It has been known that maximum aerodynamic stresses occur in the impeller stages next to a diffuserless scroll. In the past four years of operating superchargers with such stages, cases of shaft and web breaks, and cracks in the cover disks are on record. Also, rivet-head crumbling has been observed: Metal fatigue has been mainly responsible for those damages. The present article reports the results of tensometric tests of impellers conducted directly at compressor stations. The aerodynamic stresses in the impeller were measured

Card 1/2

ACCESSION NR: AP4023733

in the entire range of the compressor output, at 20, 30, 35, and 44 atm, and 7,950 rpm. An attempt was made to assess the rivet stresses by tensodetectors mounted inside the rivet. These conclusions are reported: (1) The poor quality of shafts and web-fitting surfaces is one of the reasons for shaft breakage; (2) Under max output and minimum output conditions, considerable stresses are set up in the impeller which may result in breakage due to fatigue; (3) The cantilever stiffness of the principal disk (web) has an important bearing on the dynamic strength of the disk, rivets, and cover disk; (4) Cuts in the cover disk result in an essential reduction of the aerodynamic forces acting on the impeller. Orig. art. has: 5 figures and 2 formulas.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 15Apr64

ENCL: 00

'SUB CODE: PR, AP

NO REF SOV: 003

OTHER: 000

Card 2/2

RATER, G.A., Kend. tekkn. nauk; BAVEL'SKIY, D.M., inzh.

Applicational limits of calculational methods presented in an article by IA.A. Shustorovich. Energomashinostroenie 10 no.a: 45 le '64. (MERA 17:9)

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| AUTHOR: Rayer, G. A. (Candidate of technical sciences); Vasil'yev, A. V. (Engineer, ORG: none ORG: none TITLE: Method for increasing the design strength of contrifugal compressor wheels SOURCE: Energomachinostroyeniye, no. 9, 1966, 46-48 TOPIC TAGS: centrifugal compressor, compressor disk, fatigue strength, fatig | |
| 75—80 kg/m², tensile strength 750,000—1,000,000 cycles that a mich higher area 40%) cracks appeared after 500,000—1,000,000 cycles that cover plates with cutouts between the blades had a mich higher area 40%) cracks appeared after 500,000—1,000,000 cycles between the blades had a mich higher area 40%) cracks appeared after 500,000—1,000,000 cycles between the blades had a mich higher area 40%) cracks appeared after 500,000—1,000,000 cycles between the blades had a mich higher area 40%) cracks appeared after 500,000—1,000,000 cycles between the blades had a mich higher area 40%) cracks appeared after 500,000—1,000,000 cycles between the blades had a mich higher area 40%) cracks appeared after 500,000—1,000,000 cycles between the blades had a mich higher area 40%) cracks appeared after 500,000—1,000,000 cycles between the blades had a mich higher area 40%) cracks appeared after 500,000—1,000,000 cycles between the blades had a mich higher area 40%) cracks appeared after 500,000—1,000,000 cycles between the blades had a mich higher area 40% cracks area 40% cycles area 40% | |
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RAYER, G.M., inzh.; YUZBASHEV, G.M., inzh.

"Ar Jolit," a new building material. Transp. stroi. 13 no.6:65-66

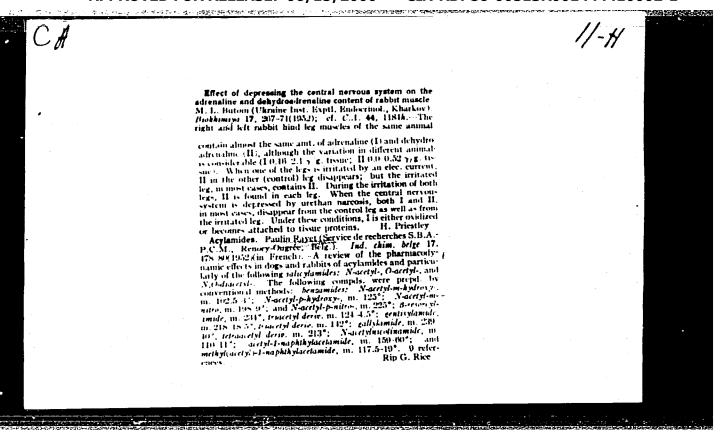
Je '63. (MIRA 16:9)

(Building materials)

AYU SKAYA, O.G. an DITVINOVA, E.V.

influence of cultivation conditions on the development of fat producing funus from the Fusarium genus.

Mikroo ologiya. Vol. 21, P. 572, 1952.



RAYERSKIY, N.P.

Artobolevskiy, I.I., Konstintsin, V.T., and <u>Raverskiy</u>, N.P. "On one condition of a shaft rotating on greaseless bearings with free play," Transactions of the seminar on machine and mechanic theory (Akad. nank. SSSR, In-t mashinovedeniya), Vol. V, No. 19, 1948, p. 5-21

SO: U-2888, Letopis Zhurnal'nykh Statey, No. 1, 1949

RAYETSKAYA G.P.

KOLPAKOV, Ye.V.; RAYETS'KA, H.P.

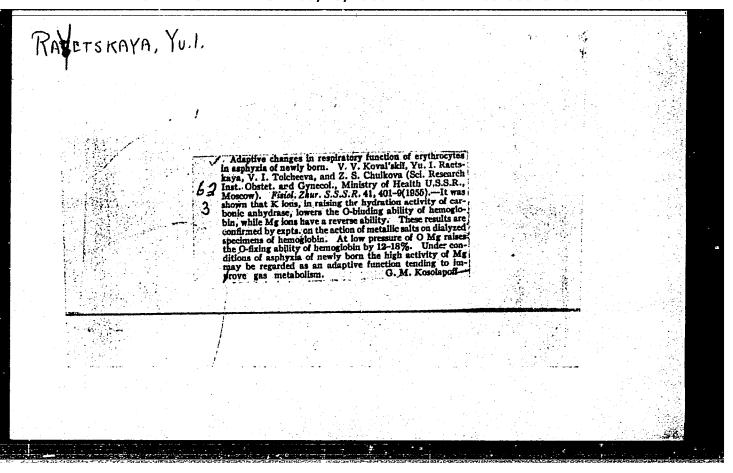
Erroneous views on the mechanism which regulates blood circulation in the liver. Medych.zhur. 22 no.6:73-82 '52. (MLRA 6:10)

1. Instytut klinichnoyi fiziologiyi im. O.O.Bohomol'tsya Akademiyi nauk URSR. (Liver) (Blood--Circulation)

RAYETSKAYA, G.F.

"Data on the Question of the Protective Function of the Liver (Comparative Investigation)." Cand Bio Sci, Kiev State U imeni T. G. Schevchenko, Min Higher Education USSR, Kiev, 1954. (KL, No 8, Feb 55)

SO: Sum. No. 631, 26 Aug. 55 - Survey of Scientific and Techincal Dissertation Defended at USSR Higher Educational Institutions. (14)



COUNTAY

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CATEGORY

: Farm Animals.

General Problems.

ABS. JOUR. : RZhBiol., No. 6, 1959, No. 25773

AUCYCR Deli. Milled

Rayetskaya, Yu. I.; Zubrilina, Z. I. Rati-taken Grica Tite Research Institute of* The Content of Vitamin B12 in Silage.

ORIG. PUB.

: Byul. nauchno-tekhn. inform. Vses. n.-1. in-t

zhivotnovodstva, 1958, No 1 (5), 21-24

ABSTRACT

: No abstract.

Card:

1/1

*Animal Husbandry.

CIA-RDP86-00513R001444410002-1" APPROVED FOR RELEASE: 06/15/2000

KOVALISKIY, V.V.; RAYETSKAYA, Yu.I.

Investigating the synthesis of vitamin B₁₂ with the help of radioactive cobalt Co⁶⁰. Dokl. Akad. sel'khoz. 24 no.11:31-36 '59 (MIRA 13:3)

Vsesoyuznyy nauchno-issledovatel'skiy institut zhivotnovodstva.
 Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni Lenina (for Koval'skiy).

(Cyanocabalamine) (Cobalt -- Isotopes)

RAYETSKAYA,

USSR/Biology - Biochemistry

Card 1/1 Pub. 22 - 26/47

Authors Koval'skiy, V. V., and Rayetskaya, Yu. I.

Title Synthesis of B₁₂ vitamin in the organism of sheep under the effect of Co

and Ca

Periodical : Dok. AN SSSR 100/6, 1131-1134, Feb 21, 1955

Abstract

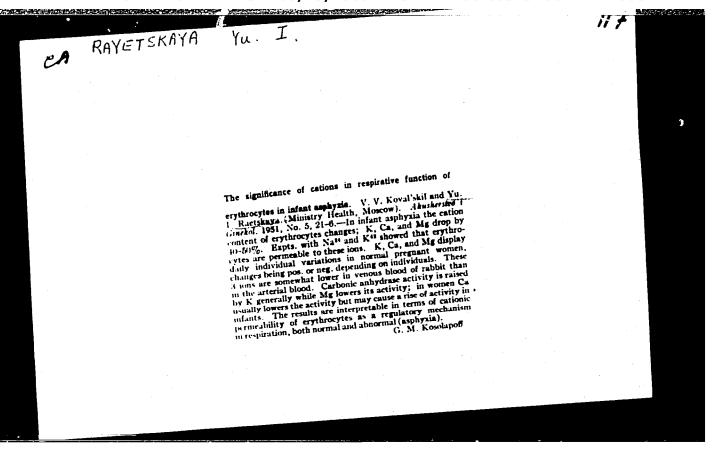
The synthesis of B₁₂ blood-producing-vitamins in organisms of sheep raised in provinces poor in Co by enriching the food with Co and Ca salts was investigated. The results obtained are tabulated. Three USSR re-

ferences (1949-1954). Tables.

Institution: Academy of Sciences USSR, The V. I. Vernadskiy Institute of Geochemistry

and Analytical Chemistry and the All Union Institute of Animal Breeding

Presented by: Academician A. P. Vinogradov, October 22, 1954



L 22189-65 EWT(m)/EWG(s)-2/EWP(j) Po-4/Pw-4 BM

ACCESSION NR: AR4049234 S/0081/64/000/014/5070/S070

SOURCE: Ref. zh. Khimiya, Abs. 148480

AUTHOR: Verzal, A. I.; Ponomarev, M. A.; Rayetskaya, D. Ya.;

Shreder, A. G.

TITLE: Properties and application of polymer-based concretes and mortars

CITED SOURCE: Sb. Proiz-vo-stroit. izdeliy iz plastmass. Minsk, Vy*ssh. shkola, 1963, 218-239

TOPIC TAGS: polymer based concrete, plastic concrete, polymer based mortar, plastic mortar, polymer concrete property, polymer concrete application, organic admixture;

TRANSLATION: The authors discuss the properties and fields of application of various types of concrete mixed with mineral and synthetic binders as a base. It is indicated that admixtures of low molecular weight organic substances

Card 1/3

L 22189-65

ACCESSION NR: AR4049234

(i.e. surface active agents and plasticizers) or polymers strongly affect the structurization processes occurring in concrete, as well as its physical and mechanical properties. For instance, changes in plasticity, decreased water absorption, significant improvements in strength and other phenomena are noted when divinyl styrene latex SKS-65GP, polyvinyl acetate emulsions, as well as phenolformaldehyde melamine formaldehyde or phenolfurfural resins are mixed with semihydrate gypsum. An analysis is given of the mechanism of effects produced by organic admixtures on the properties of plastic concrete. For example, improved strength and lower water absorption of polymer gypsum containing thermosetting phenolformaldehyde resin is explained in terms of the latter filling the pores of the gypsum structure and of the additional reinforcement provided as the resin hardens. The article describes the properties of polymer-silicate light concrete on a base of an agloporite silicate binder with synthetic resins (furylaniline, ureaformaldehyde, phenylformaldehyde) added or on a base of silicon organic binders (i.e. water glass and silicon ethyl ether - silicate KS). The authors also review the literature concerning formulation of polymer-cement concrete and mortar, organo-mineral concrete (i.e.

Card 2/3

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KONOPEL'KO, I.A.; TKACHEV, L.I.; RAYETSKAYA, D.Ya.

Spectral analysis of clays. Inzh.-fiz.zhur. no.2:109-112 F '58. (MIRA 13:1)

性,这一个人,我们也是一个人,我们就是一个人,我们就是一个人,我们们们的一个人,我们们们是一个人,我们们们是一个人,我们们是一个人,我们们们是一个人,我们们们

1. Mauchno-issledovatel skiy institut stroymaterialov Upravleniya proizvodstva stroitel nykh materialov Sovnarkhoza BSSR, Minsk.

(Clay--Spectra)

KOVAL'SKIY, V.V.; RAYETSKAYA, Yu.I.

Vitamin B₁₂ synthesis in the organs of farm animals in biogeochemical provinces with different cobalt concentrations. Trudy Biogeokhim. lab. no.11:102-108 '60. (MIRA 14:5)

1. Institut geokhimii i analiticheskoy khimii imeni V.I.Vernadskogo AN SSSR.

(CYANGOBALAMINE) (COBALT--PHYSIOLOGICAL EFFECT)
(VETERINARY PHYSIOLOGY)

RAYETSKIY, N., kand.tekhn.nauk

Analytical method for the effective distribution of earth during the vertical grading of an area. Sbor.nauch.trudov LISI no.24: 111-135 '56. (MIRA 15:3)

(Earthwork)

RAYETSKIY, N.N., kand.tekhn.nauk

Improving methods of computing earthwork volumes by using triangular prisms. Trudy RISI no.4:126-143 '55.

(Earthwork)

(Earthwork)

5/755/61/000/003/021/027

AUTHORS: Fedorov, G.B., Rayetskiy, V.M., Smirnov, Ye.A.

TITLE: Diffusional and thermodynamic characteristics of nickel.

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Metallurgiya i metallovedeniye chistykh metallov. no.3. 1961. 203-209.

TEXT: The paper reports on the first part of an investigation concerned with the diffusional and thermodynamic characteristics of Ni and its alloys. Its especial objective are the properties of pure Ni. Artificial radioactive Ni⁶³ was utilized in all experiments. The radioactivity was measured by means of an end-window? counter with a 1 mg/cm² mica window. In addition to the soft β -radiation of the Ni⁶³ isotope a harder β -radiation of about 0.5 Mev was detected. The 70-day half-life of the second isotope identified it as Co⁵⁸. A method was developed to perform the simultaneous but separate determination of the diffusion coefficients (DC) of the metals emanating β -radiation of differing energy. The specimens were measured twice: Once without filter and again with an Al filter, for which the -absorption coefficients had been found to be $\mu_{\text{Ni}} = 2,300$, $\mu_{\text{Co}} = 100 \text{ cm}^{-1}$. The Al filter selected had a thickness h=0.01 mm, which is 3x thicker than a 50%-absorption layer, but 0.4x as thick as the layer of total absorption of Ni radiation. This filter reduced the Co radiation by no more than 10%. The two integral-flux equations

Diffusional and thermodynamic characteristics ... S/755/61/000/003/021/027

yield the numerical values for the two unknown I_{Ni} and I_{Co} fluxes upon substitution of μ_{Ni} , μ_{Co} , and h therein. The diffusion specimens were made of electrolytical Ni, 99.9% pure, remelted in an induction furnace and forged. The milled and ground specimens were 25x8x8 mm in size. The radioactive Ni⁶³ was vacuum-sprayed onto one face. Activity: 5,000 pulses/min. The paired specimens were tied together and placed in Ar-filled quartz ampoules. Anneals in tubular furnaces at 900-1,250°C lasted from 16.5 to 400 hrs. Measurements of the radioactivity were performed by the layerwise-removal integral-radioactivity method of (cf. Gruzin, P. L., et al., Fizika metallov i metallovedeniye, v.IV, no.1, Moscow, 1957). The concentration of the soft β -radiation of the Ni was assumed to be proportional to the integral radioactivity. The specific radioactivity of the Co was determined from the integral radioactivity, its depthwise gradient in the diffusion layer, and the β -radiation absorption coefficient of Co in Ni. The self-DC of Ni is found to be $D_{Ni} = 1.0 \exp(-66,700/RT) \text{ cm}^2 \cdot \text{sec}^{-1}$, the Co-in-Ni DC $D_{Co} = 1.4 \exp(-66,200/RT) \text{ cm}^2 \cdot \text{sec}^{-1}$. These findings are compared briefly with those of R. E. Hoffman, et al., J. Metals, v.8, 1956, 5, and J. R. MacEwan, et al., Canad. J. Chem., v.37, 1959, 10. The vapor pressure of Ni was measured by Knudsen's method, using radioactive Ni⁶³. Equipment and methods used have been described by the senior author alone and by the senior and junior author, respectively, in

Card 2/3

Diffusional and thermodynamic characteristics ...

8/755/61/000/003/021/027

no.2 of the present sbornik, Atomizdat, 1960. Ni 63 shavings were remelted in an arc furnace. Radioactivity of the preparation: 1.6 μ -curie; Ni 63 content in the alloy: 44%. A specified-weight sample was dissolved in diluted HNO3. The vapor pressures were measured with an effusion orifice having an area of 1.08 · 10 -2 cm². Least-square analysis yielded the equation log p = 9.581-2.033 · 10 $\frac{4}{1}$ within the 1,201-1,444°C range. The heat of sublimation, enthalpy, and entropy of solid Ni were calculated by the method outlined in the above-cited 1960 paper by the senior and the junior author (p.34 of the 1960 sbornik). It is noted that the selfdiffusion-activation energy of Ni divided by its heat of sublimation yields a ratio of 0.7 which is characteristic of metals with a face-centered cubic lattice. There are 2 figures, 4 tables, and 15 references (10 Russian-language Soviet, 5 English language).

ASSOCIATION: MIFI (Moscow Engineering Physics Institute).

Card 3/3

AN THE CARLES AND THE CONTROL OF THE

FEDOROV, G.B.; RAYETSKIY, V.M.; SMIRNOV, Ye.A.

Diffusive and thermodynamic characteristics of nickel. Met. i metalloved. chist. met. no.3:203-209 '61. (MIRA 15:6) (Nickel—Thermal properties) (Diffusion)

5/137/62/000/009/012/033 **
A005/A101

AUTHORS:

Fedorov, G. B., Rayetskiy, V. M., Smirnov, Ye. A.

TITLE:

Diffusion and thermal characteristics of nickel

PERIODICAL:

Referativnyy zhurnal, Metallurgiya, no. 9, 1962, 13, abstract 9178 (In collection: "Metallurgiya i metalloved. chist. metallov", no. 3, Moscow, Gosatomizdat, 1961, 203 - 209)

Radioactive ${\rm Co}^{58}$ and ${\rm Ni}^{63}$ isotopes were used to investigate diffusion of Co in Ni and self-diffusion of Ni, and Ni vapor pressure was measured. A Ni 63 layer was vacuum-sprayed on electrolytical Ni-specimens. Diffusion annealing was performed within a range of 900 - 1,250°C for 16.5 - 400 hours. To determine the coefficient of Co diffusion in Ni, ${\rm D_{CO}}$, and self-diffusion ${\rm D_{Ni}}$, a method was used with the removal of layers and measurement of the integrated activity of the residue. The following temperature dependences were found: ${\rm D_{CO}} = 1.4~{\rm exp}~(-.66,200/{\rm RT})~{\rm cm}^2/{\rm sec}$ and ${\rm D_{Ni}} = 1.0~{\rm exp}~(-.66,700/{\rm RT})~{\rm cm}^2/{\rm sec}$. The calculated activation energy of Co in Ni is somewhat below the activation energy of Ni self-diffusion; this is connected with the close arrangement of these ele-

Card 1/2

Diffusion and thermal characteristics of nickel

5/137/62/000/009/012/033 A006/A101

ments in the periodic system. Ni vapor pressure was measured by the Knudsen method in a chamber with an effusion aperture of $1.08 \cdot 10^{-2}$ cm² area. From experimental data an equation was derived for vapor pressure $\lg p = 9.581 - 2.033 \cdot 10^4 (1/T)$ at $(1.201 - 1.444^{\circ}C)$. From data of vapor pressure the following values were calculated: sublimation heat; enthalpy and entropy of solid 1. The ratio of activation energy of Ni self-diffusion to its sublimation heat is 0.7; this is characteristic of a metal with a face-centered cubic lattice.

V. Srednogorska

[Abstracter's note: Complete translation]

Card 2/2

RAYEV, A.

Electrical Engineering Abst. Vol. 57 No. 676 Apr. 1954 Electronics 621.385.16.029.6: 621.3.018

1698. Steady oscillations in two-slot magnetrons an aperiodic anode circuit. A. Raev and L. Uzumoro an aperiodic Akad. Nauk, 2, 169-90 (1951) in Bulgarian. Izv. Bulg. Akad. Nauk, 2 self-supporting steady contit is assumed that a self-supporting steady continuous to the magnetron

It is assumed that a self-supportung centration of electrons is set up in the magnetron which, rotating, about the cathode, induces an a.c. which, rotating, about the cathode, induces an a.c. in the external aperiodic circuit. But such a concentration can only be maintained by an concentration can only be maintained by an alternating voltage of a suitable amplitude which is eractly that set up by the current in the aperiodic circuit which is considered to consist of capacitance and resistance. This assumption leads to a consistent theory which enables the conditions to be stated which must be satisfied for such oscillations to be set up; the experimental results fully bear out the quantitive experimental results fully bear out the quantitive accuracy of the theoretical predictions. B.F. Kraus

RAYEV, A.I.; STEPANOV, A.A.

Research work of the Department of Psychology of the A.I. Hertzen Pedagogical Institute of Leningrad. Vop. psikhol. 10 no.2:188-189 Mr-Ap '64. (MIRA 17:9)

25. A. I.,

"An attempt at a Psychological Analysis of the Process of Learning the System of Historical Concepts by Fourth through Tenth Grade Pupils." (Dissertation for Degree of Candidate of Pedagogic Sciences) Min Education RSFSR, Leningrad State Pedagogic Inst imeni A. I. Gertsen, Leningrad, 1955

30: 1.-1036 28 Har 56

RAYEV, B.G., inzh.

Investigating the process of cutting stalks without a counter-cutting part. Trakt. i sel'khozmash. 31 no.11:18-21 N '61. (MIRA 14:12)

1. Gosudarstvennoye seriyno-konstruktorskoye byuro po khlopku.
(Marvesting machinery)

KOSHEVNIKOV, Georgiy Antonovich, akademik; KHAMIDOV, Aslam, kand. tekhn. nauk; KOTOV, Vladimir Fedorovich; GERASIMOV, Mikhail Fedorovich; BASEVICH, Lev Yefimovich; BUTYRIN, Aleksandr Vasil'yevich; RAYEV, Boris Grigor!yevich; BONDAKENKO, M., red.; SALAKHUTDINOVA, A., tekhn. red.

[Machinery for cultivating cotton] Mashiny dlia vozdelyvanija khlopchatnika. Tashkent, Gosizdat UzSSR, 1961. 182 p.

(MIRA 15:7)

1. Nachal'nik otdela Gosudarstvennogo spetsial'nogo konstruktorskogo byuro (for Kotov). 2. Rukovoditel' gruppy gosudarstvennogo spetsial'nogo konstruktorskogo byuro po khlopku (for
Basevich, Rayev).

(Cotton machinery)

AVDEYEVA, N.A.; RAYEV, B.G.; TOPOL'SKIY, Yu.M.

Machine for cotton plant leaf reduction. Sel'khozmashina no.10:7-11 0 '53. (MLRA 6:11)

1. GSKB po khlopku.

(Cotton machinery)

KAS'YANOV, L.N., inzh.; LIPOVTS' , L.Ya., inzh.; LOSHAK, S.B., inzh., RAYEV, D.Kh., inzh.; CYTUMA, C.A., inzh.; MUCHTEK, C.A., kand.telehn.nauk

IN KIN SECRET CHEST OF THE SECRET SECRET SECRET SECRET SECRET SECRET

Loud drops on the 200 tm. unit with subsequent loading. Tepleonergetiks 8 no.10000-49 0 161. (11.10.10)

1. Gosudarstvennyy trest po organizatsii i ratsionalisatsii elektrostantsiy i Zmiyevskeye gosudarstvernaya rayonnaya elektricheskaya stantsiya.

(Steam terbines--Testing)

MESHCHANINOV, I.A., irzh.; MUCHNIK, G.F.,inzh.; RAYEV, B.Kh., inzh.

Operation of TP-230 boilers with decreased loads. Elek.sta. 32
no.4:10-14 Ap '61.

(Boilers)

(Boilers)

MESHCHANIROV, I.A., inzh.; MUCHNIK, G.F., inzh.; RAYEV, B.Kh., inzh.

Conditions for the transfer of boilers from operating to stand-by basis. Elek. sta. 30 no.2:11-14 F '59. (MIRA 12:3)

(Boilers)

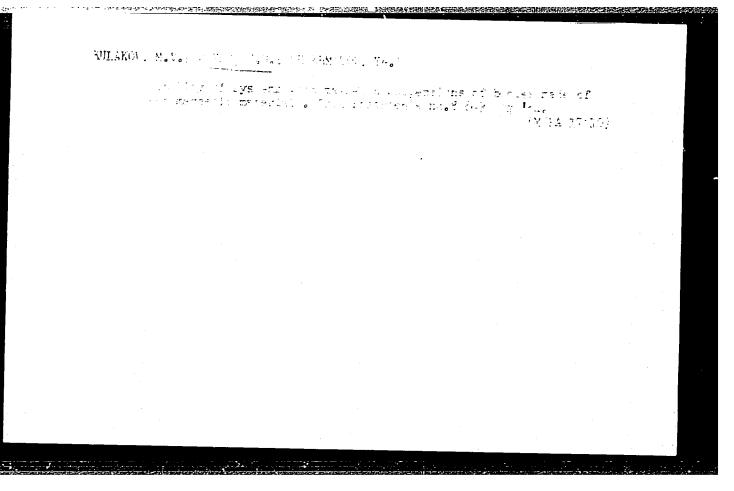
RAYEV, B.V.; BAKALDINA, N.I.; L'VOVA, N.Ye.; TRET'YAKOV, A.A.

Review of three criteria in Borbov's complex hemotuberculin method and considerations on possible errors in determination of erythrocytes sedimentation time and in formula of leukocytes. Probl. tuberk., Moskva no. 5:51 Sept-Oct 1952. (GLML 23:5)

1. Docent. 2. Of the Department of Faculty Therapy (Head--Prof. A. V. Selezney) of Molotov Medical Institute (Director -- Docent A. N. Kushnev) and of Molotov Municipal Anti-Tuberculosis Dispensary (Head Physician -- M. V. Tarasova).

- 1. RAYEV, B.V., BAKALDINA, N. I., L'VOVA, N.Ye., TRET'YAKGV, A.A.
- 2. USSR (600)
- 4. Tuberculosis-Diagnosis
- Checking three criteria of Bobrov's complex hemotuberculin test and the determination of the probable error of erythrocyte sedimentation rate and of the leukocytal formula. Prob. tub. No.5, 1952

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



S/122/62/000/002/004/007 D262/D301

AUTHORS

Paisov, I.V., Doctor of Technical Sciences, Professor and

Rayev, I.I., Engineer

TITLE

Methods of quality control of high manganese steel

PERIODICAL:

Vestnik mashinostroyeniya, no. 2, 1962, 49-51

TEXT: Various standard methods of quality control of high manganese steel 13.13 (G13L) (C-1.16, Mn-13.60, Si-0.42, Cr 0.16, N1-0.15), water-hardened (1100°C) are described, test results (shown in form of graphs) are analyzed and the following conclusions reached: High mangarese steel castings should not only be tested for micro-structure and hardness, but its mechanical properties should also be checked: 1) The hardness test can be done using the Poldi device, with the corrections obtained experimentally by the authors; 2) standard methods of the tensile test can be applied, but attaining the required accuracy is so difficult that operative control is excluded; 3) high manganese steel is little sensitive to impact testing; 4) bending tests are the simplest; quantitative and partially qualitative characteristics of the metal can be Card 1/2

Methods of quality ...

S/122/62/000/002/004/007 D262/D301

obtained. This method of testing is recommended by the authors. There are 2 tables, 5 figures and 2 Soviet-bloc references.

Card 2/2

SOROKHTIN. G.M.; TRUSOV, M.S.; RAYEV, M.L.

Effect of anticholinesterase on dark adaptation [with summary in English]. Biul.eksp.biol. i med. 44 no.12:81-85 D '57. (MIRA 11:4)

1. Iz kafedry fiziologii (zav. - prof. G.N.Sorokhtin) Thabarovskogo meditsinskogo instituta. Predstavlena deystvitel'nym chlenom AMN SSSR V.N.Chernigovskim.

(PHYSOSTIGMINE, effects, on dark adaptation (Rus)) (ADAPTATION, OCULAR, dark, eff. of physostigmine (Rus))

PICHAKHCHI, M.V.; RAYBV, I.I.

Preparation of chaplets. Lit.proizv. no.2:23 F '56.
(Foundry machinery and supplies) (MLRA 9:6)

RAYEV, H.A.

Protractor head for mechanical drawing sets. Med.prom. 13 no.7:54-57 J1 '59. (MIRA 12:10)

1. Vsesowiznyy nauchno-issledovatel skiy institut meditsinskogo instrumentariya i oborudovaniya.

(PROTRACTORS)

RAYEV, I.I.; KHARAZ, I.B.

Effect of slag composition on the quality of high manganese steel castings. Lit.proizv. no.3:8-10 Mr '62. (MIRA 15:3) (Slag-Analysis) (Steel castings)

ORLOV, G.M., , BOVIN, A.I., BRYUKHOV, S.A., IL'IM, B.A., MAYOROV, V.F., PASYUTIN, I.A., RAYEV, O.A., ROOS, I.V., MIKIFOROV, A.S., red.; GORYUNOVA, L.K., red. izd-va, SIDEL'NIKOVA, L.A., red. izd-va, SHAKHOVA, L.A., red. izd-va,; BACHURINA, A.M., tekhn. red.

[Forest industries in Canada] Lesnaia promyshlennost'Kanady.

Moskva, Goslesbumizdat, 1957. 246 p. (MIRA 11:11)

(Canada--Lumbering)

(MIRA 11:9)

RAYEV, O.Ye., inzh.

Engineering developments in the lumbering industry. Mekh. trud.

rab. 12 no.8:17-20 Ag '58.

1.Zamestitel' predsedatelya Sverdlovskogo sovnarkhoza. (Lumbering--Machinery)

ATTHOR:

Rayev, O.Ye., Engineer, Deputy Chairman

SOV-118-58-8-7/24

TIPLE:

of the Sverdlovsk Council of the National Economy
Technical Development of the Lumber Industry (O putyakh tekh-

nicheskogo razvitiya lesozagotovitel'noy promyshlennosti) For Discussion Purposes (V poryadke obsuzhdeniya)

PERIODICAL:

Mechanizatsıya trudoyemkikh i tyazhelykh rabot, 1958, Nr 8,

pp 17-20 (USSR)

ABSTRACT:

This article is an answer to the article published by Professor S.F. Orlov in Nr 4 (1958) of this periodical on further development of mechanization and automation in the lumber industry. The author finds that the best way to achieve this is not in creating new equipment for the industry, which will take a long time, but in improving and perfecting already existing machinery. He compares various types of equipment existing in the Union with those of the US and Canada, and finds that still much must be done to reach the level of foreign countries. He cites various foreign machines used in the lumber industry and shows their superiority over those

in the USSR.

There are 2 tables.

Card 1/2

SOV-118-58-5-7/24

Technical Development of the Lumber Industry. For Discussion Purposes.

ASSOCIATION: Sverdlovskiy sovnarkhoz (The Sverdlovsk Sovnarkhoz)

1. Lumber industry--Development 2. Lumber industry--Control systems

Card 2/2

Use all sources of raw material in Sverdlovak Province for the development of the woodpulp and paper industry. Bum. prom. 33

no. 6:25-26 Je '58. (MIRA 11:7)

1. Zamestitel' predsedatelya Sverdlovskogo sovnarkhoza.
(Sverdlovsk Province--Paper industry)
(Sverdlovsk Province--Woodpulp imdustry)

学的,我们就是这个人,我们们就是这种的,我们就是我们的人,我们就是这种的,我们就是我们的我们的,我们就是我们的人,我们就是我们的人,我们就是这个人,我们就是这个 第一条

RAYEV, O.Ye.

Use new machinery and technology in lumbering work. Mekh.trud.rab. 9 no.10 0 '55. (MLRA 9:1)

1.Zamestitel' ministra lesnoy promyshlennosti SSSR. (Lumbering--Machinery)

ACC NR. AP6007882 SOURCE CODE: UR/0177/66/000/002/0062/0064

AUTHOR: Gol'din, N. A. (Lieutenant colonel in medical service, Candidate of 26 medical sciences); Rayev, S. F. (Major in medical service)

ORG: NIAG

21543-66

EWT(1)

TITLE: The importance of electrophysiological studies of excess-pressure respiration for medical examinations for airmen

SOURCE: Voyenno-meditsinskiy zhurnal, no. 2, 1966, 62-64

TOPIC TAGS: medical experiment, flyer test, airman test

ABSTRACT: Latent pathological conditions cannot be detected by physical load, depleted-oxygen respiration, the Master test, and other tests hitherto used. A new test with respiration under excess-oxygen-pressure conditions is suggested for determining the state of the cardiovascular system and discovering latent pathological indicants; it has been used at NIAG since 1960. The subject is kept seated, and an excess pressure of 150—350 mm (water column) is applied to his gas mask. Application of the test to 220 airmen yielded these results:

Card 1/2

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| L 21543-66 ACC NR: AP6 | 007882 | | | | | . 0 |
|---------------------------|------------------|--------------------------------------|-----------|---------------------------------------|-------------------------|------|
| Subject Age: | Found Healthy | Neuro- circulatory Dystonia Hy | ypertonia | Arteriosclerotic Cardiosclerosis C | Myocar ardiosclerosi | |
| 25-30 | 15 | 19 | 6 | | 11 | |
| 31–35 | 12 | 16 | 10 | | 9 | 2 |
| 36-40 | 10 | 14 | 7 | 3 | 8 | 12 |
| Over 40 yrs. | 13 | 5 | 10 | 15 | 4 | 19 |
| • | | | | | | |
| | | | | 18 i. Orig. art. has: TD PRESS: 42/9 | 32 l table. | [03] |
| Details of | these i | findings are | discussed | . . | | |
| Details of | these i | findings are | discussed | l. Orig. art. has: | | |
| Details of | these i | findings are | discussed | l. Orig. art. has: | | |
| Details of | these i | findings are | discussed | l. Orig. art. has: | | |

RAYEV, V., polkovnik intendantskoy sluzhby

Frogressive officer. Tyl i snab. Sov. Voor. Sil 21 no.10:55 0
(MIRA 15:1)

(Russia--Army--Officers)

VLASOVETS, A.M., aspirant; RAYEV, V.A., inzh.

entralistical deligibili deligibi

Results of testing devices for the control of fluctuations caused by waves in the canal section between the Kuybyshev locks. Trudy LIVT no.64:37-45 164.

(Clay)

NERPIN, S.Y., doktor tekhn.nauk, prof.; KOTOV, A.I., kand.tekhn.nauk, dotsent; RAYEV, V.A., inzh. Nature of the compressibility of clayey soils. Trudy LI YT no.26: (mIRA 14:9) (mIRA 14:9)

L 17924-65 ENT(1)/EWA(h) Peb ASD(a)-5/AFWL/AFETR/ESD(t) MLK

ACCESSION NR: AT4047756 S/0000/64/000/000/0199/0203

AUTHOR: Rayev, V. K.

BHI

TITLE: Controllable-gain amplifier 15

SOURCE: AN SSSk. Institut avtomatiki i telemekhaniki. Teoriya i primeneniye avtomaticheskikh sistem (Theory and application of automatic systems). Moscow, Izd-vo Nauka, 1964, 199-203

TOPIC TAGS: amplifier, magnetic amplifier, controllable gain amplifier

ABSTRACT: The circuit (see Fig. 1 of Enclosure) is described of a d-c output magnetic amplifier with a transistor-gate negative feed-back combined with a pulse-duration modulator which switches transistors fed by a continuous control signal. In a simplified circuit diagram (see Fig. 2 of Enclosure), 1 is the magnetic amplifier, 2 is the transistor gate, and 3 is the PD modulator. The magnetic amplifier includes two nonreversible amplifiers connected as a voltage-doubling circuit; the supply voltage is 50 v; frequency, 400 cps; voltage gain, 4650; linearity of the input-output characteristic is 0.5% of the max voltage of the linear segment between 0 and Cord 1/4

L 17924-65 ACCESSION NR: AT4047756

v. The gate is designed with two P106 transistors and offers either 1 Mohm or 10-15 ohms resistance. The PD modulator is based on a 4-winding saturating reactor with suppressed even harmonics in the control circuit; the modulator generates :riangular voltage pulses and is highly stable with respect to wide supply-voltage and frequency variations. A fairly accurate linear relation between the output-pulse duration and the control signal is attained. Tests have shown that the magnetic amplifier is stable even in the case when the feedback switching frequency is only twice as high as the supply-voltage frequency. Orig. art. has: 3 figures and 3 formulas.

ASSOCIATION: none

SUBMITTED: 06Jun64

ENCL: 02

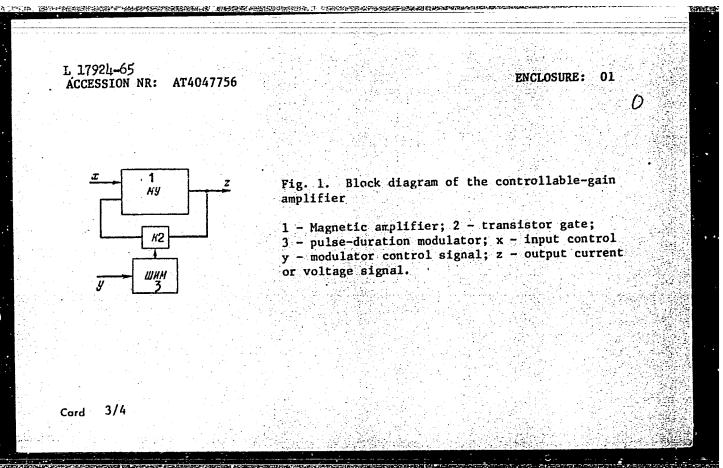
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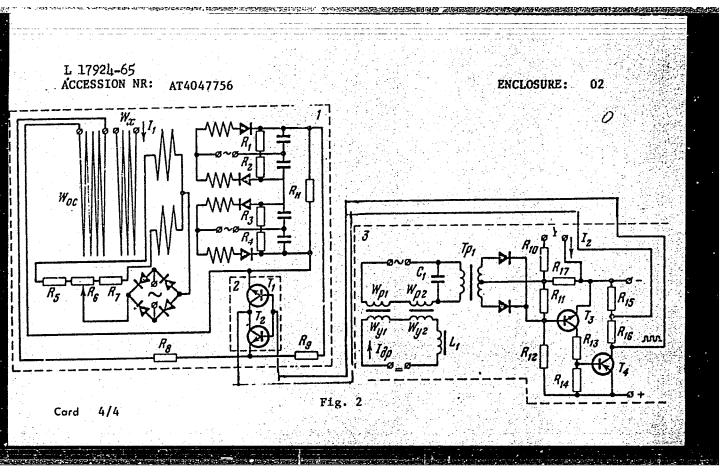
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NO REF SOV: 003

OTHER: 000

Card 2/4





ACC NR. AM6032370

Monograph

UR/

Boyarchenkov, Mikhail Aleksandrovich; Kerbinov, Fedor Ivanovich; Rayev Vyacheslav Konstantinovich; Rozenblat, Moisey Aronovich

Impulse regulators on contactless magnetic elements (Impul'snyye regulyatory na beskontaktnykh magnitny elementakh) Moscow, Izd-vo "Energiya", 1966. 119 p. illus., biblio. 16,000 copies printed.

Series note: Biblioteka po avtomatike, vyp. 186

TOPIC TAGS: summing amplifier, contactless relay regulator, impulse regulator, magnetic amplifier, cleatric relay

PURPOSE AND COVERAGE: This booklet is intended for engineers, technicians, and advanced students in the field of automation. The booklet discusses the fundamentals of contactless propertional plus-differential proportional plus-integral, and proportional plus-differential plus-integral relay controllers with magnetic elements. Recommendations are given for the selection of separate regulator elements along with the circuit diagrams and basic technical characteristics of these elements. Results of investigations concerning the contactless proportional plus-integral relay controller with magnetic amplifiers and contactless magnetic amplifiers and contactless magnetic amplifiers.

Card 1/2

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ACC NR: AM6032370
 netic relays are described in detail.
                                        No personalities are mentioned.
 There are 16 references: 13 Soviet and 3 non-Soviet.
 TABLE OF CONTENTS:
 Introduction -- 3
Ch. I. Structural principles of proportional-integral, proportional
 plus-integral plus-differential relay regulators -- 6
   . 1. Structural circuit diagrams of the regulators -- 6
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Ch. II. Elements of contactless relay regulators -- 23
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     5.
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    6.
        Inertial feedback unit -- 61
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        Executive unit -- 82
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        feedback network -- 89
        Periodical plus-integral regulator with an integrating magnetic
         amplifier in the feedback network -- 106
Conclusion -- 116
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SUB CODE: 09/ SUBM DATE:
                             22Apr66/ ORIG REF: 013/
                                                       OTH REF: 003/
Card 2/2
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GG/BB/BC/GD EWP(k)/EWT(d)/EWP(h)/EWP(1)EWP(v) IJP(c)

ACC NR: AT6006234

SOURCE CODE: UR/0000/65/000/000/0410/0420

AUTHOR: Rayev, V. K.

ORG: None

13+1

TITLE: Multipliers combined with operational magnetic amplifiers

SOURCE: AN SSSR. Institut avtomatiki i telemekhaniki. Tekhnicheskaya kibernetika (Technical cybernetics). Moscow, Izd-vo Nauka, 1965, 410-420

TOPIC TAGS: computer component, electron multiplier, magnetic amplifier, computer control system

ABSTRACT: Two circuits are studied with four-quadrant multipliers which realize the function $xy = 1/2 \left[(x+y)^2 - x^2 - y^2 \right]$. These circuits are to be used with one magnetic operational amplifier. The possibility of grounding the source of the input signal determines the selection of the circuit. The circuits described are recommended for a single-wire system and for the case where grounding is not possible. The multiplication accuracy of the circuits is not less than 2%. Temperature error during heating of the multiplier model does not exceed 3.5%. The number of squarers needed for alternating amplifiers in the circuits is one less than for similar multipliers based on electronic amplifiers. The com-

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ACC NR: AT6006234

bining of multipliers with operational magnetic amplifiers results in additional error which is caused by pulsation in the input voltages. An expression is given for calculating additional error which is a function of the pulsation level in the input circuits. Orig. art. has: 6 figures and 11 formulas.

SUB CODE: 09 / SUBM DATE: 05Nov65 / ORIG REF: 006 / OTH REF: 001

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001444410002-1"

Card 2/2

ZHEREBIN, B.N., http:// KMRDMO// V.A., kand. tekhn. nauk, MISHIN, P.F., Insh., VEFIMENKO C.M., insh., OBSHAROV, V.M., angle, BATEV, Yu.C., itvo.

Automatic Combines of the distribution of blast to blast furnace buyers at the Kalmersk Matalleurge al Combine. Stall 23 [i.e. 24] no.41290-297 Ap. 300.

VOSKOBOYNIKOV, V.G., prof., doktor tekhn. nauk; ZHEREBIN, S.N., prof.; LIKHODIYEVSKIY, V.A., inzh.; MISHIN, P.P., inzh.; RAYEV, Yu.J., inzh.

Dynamics and control of coke burning processes in the tuyere cone of a blast furnace. Stal' 24 no.11:975-980 N 04. (MIRA 18:1)

PUTYATO, V.T., inzhener.; RAYEV, V.N., inzhener; PEREL'SHTEYN, S.L.

Standard plan refrigerating plant built of precest reinforced concrete.

Nov.tekh, i pered.op. v stroi. 18 no. 11:5-8 N '56. (MIRA 10:1)

(Refrigeration and refrigerating machinery) (Precast concrete construction)

RAYEV, V.N., inzhener.

Standard plan for a precest reinforced concrete silo. Nov. tek. i pered. op. v stroi. 18 no.5:4-7 My '56. (MIRA 9:12) (Silos) (Precast concrete construction)

SOV/133-58-12-4/19

Chernov N.N., Candidate of Technical Science), Docent, AUTHORS:

Zhigulev P.G., Baranovskiy P.G., Obsharov, V.M., Rayev, Yu. O., and Kargin A.A., (Engineers).

TITLE: An Automatic Control of the Operation of a Blast Furnace

Based on the Drop in Static Pressure (Avtomaticheskoye

regulirovaniye khoda domennoy pechi po perepadu

staticheskogo davleniya)

PERIODICAL: Stal', 1958, Nr 12, pp 1071-1077 (USSR)

ABSTRACT: The Central Automation Laboratory designed experimental equipment for the automatic control of blast furnace operation based on the pressure drop between the bustle pipe and furnace throat. The signal from the differential manometer acted in turn on the following controls: top pressure, temperature and humidity of blast, blast volume. The equipment was tested on a furnace in the Zaporozhstal' Works in 1954 and on the Kuznetsk Metallurgical Combine in 1956. It was soon found that the system as designed was unworkable. The investigations carried out in the Kuznetsk Combine indicated that changes in top pressure

influence mainly the pressure drop between the throat and Card 1/5 the middle of the stack, and changes in the blast

CIA-RDP86-00513R001444410002-1"

APPROVED FOR RELEASE: 06/15/2000

SOV/133-58-12-4/19

An Automatic Control of the Operation of a Blast Furnace Based on the Drop in Static Pressure

humidity, blast temperature and blast volume affect mainly the pressure drop between the middle of the stack and tuyere level. It was therefore decided to base the automatic control on partial pressure drops between the tuyere level and the middle of the stack and between the middle of the stack and the throat. These partial drops in static pressure were measured with two DPES type differential manometers with a double electronic bridge two standard electronic bridges operating on to a The reliability of the operacommon recording strip). tion of this equipment depends mainly on the state of the opening in the furnace stack for measuring static pressure. This was successfully solved by arranging the opening through a cooler and cleaning it by a pneumatically operated rod (Figs 1 and 2). The recorded curve of the pressure drop between the above two levels during normal furnace operation is shown in Fig 3; during top hanging of the burden in Fig 4; during bottom hanging in Fig 5, and when the hearth is filled with iron and

Card 2/5

SOV/133-58-12-4/19 An Automatic Control of the Operation of a Blast Furnace Based on the Drop in Static Pressure

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slag, Fig 6. After preliminary investigation of the influence of the individual operating factors on the partial pressure drops a scheme for the automatic control was evolved, the electrical circuit diagram of which is given in Fig 7. If the top pressure drop exceeds a certain value then the controls will bring about a certain increase in the top pressure. If after some predetermined time the top pressure drop is not returned to its normal value then the blast volume will decrease by increments with a certain time interval between each increment. a complete permitted correction of the blast volume is made, the controller of the bottom pressure drop is put into operation and begins to correct the temperature or humidity and volume of the blast. As a result of the above corrections the pressure drop may be restored to the required value. If the bottom pressure drop does not Card 3/5 exceed normal value, then the blast volume begins to increase until it is returned to normal value and is then followed by the restoration of the top pressure. If the

sov/133-58-12-4/19

An Automatic Control of the Operation of a Blast Furnace Based on the Drop in Static Pressure

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bottom pressure drop exceeds the normal value then the controller of the top pressure drop is not permitted to restore normal operating conditions, but instead the controller of the bottom pressure drop begins to introduce corrections at first of blast temperature or moisture (in stages of 20°C and 2g/m3) and then of the blast volume. Between each correction a time interval of 5 - 7 minutes is maintained. The restoration of the normal operating conditions is done in reverse order.

If the pressure drop falls below the predetermined value, then at first either the blast temperature is increased or its humidity decreased and then the blast volume is

Card 4/5

SOV/133-58-12-4/19
An Automatic Control of the Operation of a Blast Furnace Based on the Drop in Static Pressure

这种,我们就是一个人,我们就是一个人,我们就是一个人,我们们就是一个人,我们们就是这些人,我们也是一个人,我们们也是不是一个人,我们就是一个人,我们就是一个人,

increased. The system was tested during a period of two weeks and in the great majority of cases gave the correct solutions.
There are 7 figures.

ASSOCIATION: Sibirskiy metallurgicheskiy institut i Kuznetskiy metallurgicheskiy kombinat (Siberian Metallurgical Institute and Kuznetsk Metallurgical Combine)

Card 5/5

BURTSEV, V.V.; RAYEV, Yu.O.

Arrangement for the blast distribution in the furnace tuyeres.

Metallurg 7 no.4:9-10 Ap *62. (MIRA 15:3)

1. Nachal'nik tekhnicheskogo byuro tsekha konstrol'no-izmeritel'nykh priborov i avtomatiki (for Burtsev). 2. Nachal'nik uchastka domennogo tsekha Kuznetskogo metallurgicheskogo kombinata (for Rayev).

(Blast furnaces -- Equipment and supplies)

RAYEV, Yu. C.

RYABTSEV, L.H.; KARPETA, D.I.; MOREV, I.I.; PAYEV, Yu.O.; KLOKOV, P.V.; ZHEMBUS, M.D.; YEVSEYEV, A.M.; TKACHENKO, V.K.

Young blast furnace operators are exchanging work practices. Metallurg no.12:7-10 D '56.

1. Master domennoy pechi no.7 Magnitogorskogo metallurgicheskogo kombinata (for Ryabtsev). 2. Master domennoy pechi no. 7 Magnitogerekogo metallurgicheskogo kombinata (for Karpeta). 3. Master Magnitogorskogo metallurgicheskogo kombinata (for Morev). 4. Pomoshchnik mastera Kuznetskogo metallurgicheskogo kombinata (for Rayev). 5.Master metallurgicheskogo zavoda imeni Serova (for Klokov). 6. Master metallurgicheskogo zavoda imeni Petrovskogo (for Zhembus). 7. Master Chusovskogo metallurgicheskogo zavoda (for Yevseyev). 8. Master Makeyevskogo metallurgicheskogo zavoda (for Tkachenko). (Magnitogorsk--Blast furnaces)

ZHEREBIN, B.N.; DEMBOVETSKIY, V.P.; MINKIN, V.M.; NIKULINSKIY, I.D.;
Prinimali uchastive: OBSHAROV, V.M., inzhe; RAYEV, Yu.O., inzh.;
ZHIGULEV, P.T., inzh.; SUCHKOV, I.A., inzh.; BEREZKIN, B.S., inzh.; inzh.; NEKRASOV, V.M., inzh.; ZHUKOVICH, A.I., inzh.

Use of coke-oven gas in blast furnaces. Stal' 21 no.8:673-679
Ag '61.

1. Kuznetskiy metallurgicheskiy kombinat i Sibirskiy metallurgicheskiy institut.

(Blast furnaces—Equipment and supplies)

RAYEV, Z.A.; DROTYANKO, A.S.; KORDYUKOVA, N.S.; SEMENETS, P.A.; KOVALENKO, A.D.; PARKHOMENKO, M.R.

Treatment of yeast milk with malt wort for the improvement of the quality of compressed yeast. Ferm. i spirt. prom. 31 no.7:18-22 '65. (MIRA 18:11)

1. Ukrainsky nauchno-issledovatel skiy institut spirtovoy i likero-vodochnoy promyshlennosti (for Rayev, Drotyanko, Kordyukova). 2. Andrushevskiy spirtokombinat (for Semenets, Kovalenko, Parkhomenko).

RAYEV, Z.A.; KORDYUKOVA, N.S.; PINYAYEVA, N.A.; MEL'NIK, A.N.

Improving the maltose activity of distillery baker's yeast. Ferm. i spirt. prom. 30 no.6:5-7 '64. (MIRA 17:11)

1. Ukrainskiy nauchno-issledovatel skiy institut spirtovoy i likerc-vodochnoy promyshlennosti.

VOLOKHOVA, N.A.; RAYEV, Z.A.

Norms for the expenditure of chemicals and auxiliary materials in the production of alcohol from molasses. Ferm. i spirt. prom. 31 no.2:29-31 '65. (MIRA 18:6)

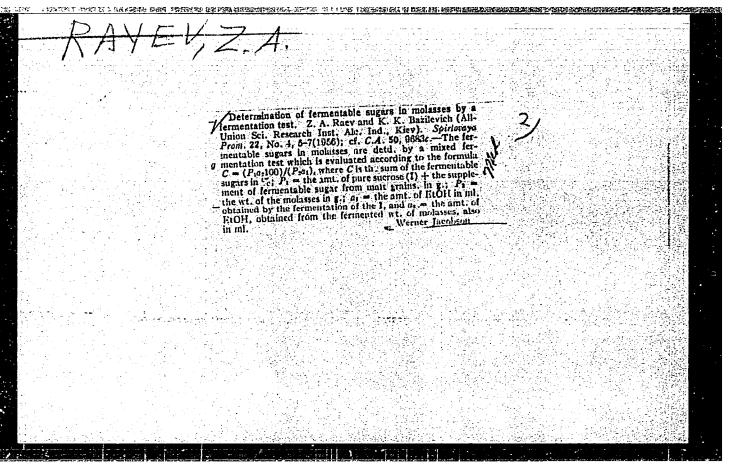
1. Ukrainskiy nauchno-issledovatel'skiy institut spirtovoy i likero-vodochnoy promyshlennosti.

RAYEV, Z.A.; BAZILEVICH, K.K. Methods for determining sugar content and alcohol yield of Methods for determining sugar content and 159. defective molasses. Trudy UkrNIISP no.5:103-112 (MIRA 16:11)

RAYEV, Z.A.; BAZILEVICH, K.K.

Fermentation method for checking the content of fermentable sugars in molasses. Spirt. prom. 22 no.4:5-7 '56. (MLRA 10:2)

(Fermentation) (Sugars) (Molasses)



| The transformation of cane molasses into alcohol. Raev and K. K. Bazilevich (All-Union Sci. Research last) Algement Ind., Kiev). Spiritous prom. 22, No. 1, 13-15. (19850).—Cane molasses and seconpared with the made of sale to suitability in the, production and project in the standard of sale cross, fraction of sale cross, fraction of the spirity of the standard project in the standard | RAYEV, Z.A. | |
|--|---|--|
| The transformation of cane molasses into alcohol. Z. A. Rnev and K. K. Bazilevich (All-Union Sci. Research Inst. Akonol Ind., Kiev). Spirtowaya Prom. 22, No. 1, 13-15. (1950).—Cane molasses was compared with beet molasses as to suitability in alc. production. Detus, were made of succrose, fructose, fructions, total N, and P,O, in the starting materials, of the CO, developed after 12, 24, 36, and 72 hrs. of fermentation, and of the yields of BiOH and of their purities. It is concluded that the use of cane molasses will purities. It is concluded that the use of cane molasses will | | |
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