BOGACHENKO, L.S.; FADDEYEVA, V.K.

"Textbook on children's diseases; sections pertaining to the nervous system." M.S. Maslov. Reviewed by L.S. Bogachenko, V.K. Faddeeva. Zhur. vys.nerv.deiat. 3 no.2:321-324 Mr-Ap '53. (MLRA 6:6)
(Children--Diseases) (Nervous system--Diseases) (Maslov, Mikhail Stepanovich, 1885-)

FADDEYEVA V.K.

USSR/Human and Animal Physiology - Nervous System. V-12

Abs Jour : Ref Zhur - Biol., No 1, 1958, 4480

Author : V.K. Faddeyeva

Inst : Institute for the Higher Nervous Activity, Academy of Sciences USSR

Title : On the Role of Eclectic Irradiation and Induction in Some Complex Forms of the Joint Functioning of Two Signalling Systems.

Orig Pub : Ser. Patofiziol., 1956, 2, 136-148

Abstract : Most children between 11 and 13 who showed conditioned motor connections in regard to pictures acquired adequate reactions to generalizing words or to concrete stimuli belonging to the same series (birds, animals). Alteration of the meaning of either a concrete or generalized stimulus altered the system of reaction to the

Card 1/2

USSR/Human and Animal Physiology - Nervous System.
Higher Nervous Activity. Behavior.

Abs Jour : Ref Zhur - Biol., No 7, 1958, 32226

Author : Izergina, A.YU., Faddeyeva, V.K.
Inst : -
Title : Test of the Application of Long Therapeutic Sleep during an Infected Illness (Pasteurellosis) in White Rats.

Orig Pub : Tr. In-ta vyssh. nervn. deyst-sti AN SSSR, ser. patofiziol., 1957, 3, 260-274.

Abstract : In rats infected with pasteurellosis, the impairments of HNA progressed slowly, as a result of which the developed conditioned reflexes earlier disappeared. At various stages of the illness, treatment by long medicated sleep (sodium amytal 0.35-0.45 g/kg twice a day) was applied. Data of the pathological anatomical investigation showed that the best results were achieved in those cases when the treatment began in the early stages of the disease.

Card 1/2

FADDEYEVA, Vera Konstantinovna; BYKOV, V.D., red.; ROMANOVA, Z.A., tekhn. red.

[Methods of the experimental investigation of the higher nervous function of man; child and adult, the healthy and the sick] Metodika eksperimental'nogo issledovaniia vysshei nervnoi deiatel'nosti cheloveka; rebenka i vzroslogo, zdorovogo i bol'nogo. Moskva, Medgiz, 1960. 253 p.
(MIRA 15:3)

(CONDITIONED RESPONSE)

IVANOV-SMOLENSKIY, Anatoliy Georgiyevich; FADDEYEVA, V.K., red.; LUKOVSKAYA, N.A., tekhn.red.

[Objective study of the function and interaction of the cerebral signal systems under normal and pathological conditions] Opyt ob"oktivnogo izucheniia raboty i vzaimodeistviia signal'nykh sistem golovnogo mozga (v norme i patologii). Moskva, Medgiz, 1963. 702 p. (MIRA 16:12)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Ivanov-Smolenskiy).

(CEREBRAL CORTEX)

IVANOV-SMOLENSKIY, Anatoliy Georgiyevich, FADEYEVA, V. K., ed.

[Ways of interaction in experimental and clinical pathophysiology in the brain] Puti vzaimodeistviia eksperimental'noi i klinicheskoi patofiziologii golovnogo mozga. Moskva, Meditsina, 1965. 494 p. (MIRA 18:10)

FADDEYEVA, V.N.

Faddeeva, V. N. The method of lines applied to some boundary problems. Trudy Mat. Inst. Steklov. 28, 73–103 (1949). (Russian)

Poisson's equation $\nabla^2 u(x, y) = f(x, y)$ is to be satisfied in some region R, with specified boundary conditions. If $y_k = y_0 + kh$, $u_k(x) = u(x, y_k)$, $f_k(x) = f(x, y_k)$, then the set of equations

$$(*)\quad 10u_k'' + u_{k-1}'' + u_{k+1}'' + 12h^{-2}[u_{k+1} - 2u_k + u_{k-1}] - 12F_k = 0$$

with $F_k = [10f_k(x) + f_{k+1}(x) + f_{k-1}(x)]/12$ is a replacement for Poisson's equation proposed by Slobodiansky [Appl. Math. Mech. [Akad. Nauk SSSR. Prikl. Mat. Mech.] N.S. 3, no. 1, 75–82 (1939)]. The author writes (*) in matrix form $(**)$ $AU'' + Mh^{-2}U - F = 0$, where U and F are column matrices with elements u_k and F_k, respectively. The coefficient matrices are related by $A = I + M/12$. A symmetric orthogonal matrix B is then devised such that $B^{-1}MB = \Lambda$ is a diagonal matrix. Then $BAB^{-1} = M$, $B(I + \Lambda/12)B^{-1} = A$, and since $B = B^{-1}$, $(**)$ can be written $(I + \Lambda/12)V'' + h^{-2}\Lambda V - G = 0$, where $V = BU$ and $G = BF$ are also column matrices. From this last matrix equation one gets equations of the type $(1 + \lambda_k/12)v_k''(x) + \lambda_k h^{-2} v_k(x) - g_k(x) = 0$ $(k = 1, \cdots, n)$, which can be solved individually. Several examples are given to illustrate the method. These include the torsion problem for rectangle, isosceles trapezoid, ellipse, and semicircle. Some discussion is given for other types of equations, including the wave equation and the heat equation in one dimension.

R. E. Gaskell (Ames, Iowa).

Source: Mathematical Reviews, Vol 12 No. 5

FADDEYEVA, V.N

Faddeeva, V. N. On fundamental functions of the operator x^{IV}. Trudy Mat. Inst. Steklov. 28, 157–159 (1949). (Russian)

The author presents a table of the characteristic functions of the equation $x^{IV}+\lambda x=0$ for several different sets of boundary conditions.

W. E. Milne.

Source: Mathematical Reviews, Vol 12 No. 7

FADDEYEVA, V.N.

*Faddeeva, V. N., and Gavurin, M. K. Tablicy funkcii Besselya $J_n(x)$ celyh nomerov ot 0 do 120. [Tables of Bessel Functions $J_n(x)$ of Integral Orders 0 to 120]. Mathematical Tables, no. 2. Gosudarstv. Izdat. Tehn.-Teor. Lit., Moscow-Leningrad, 1950. 439 pp.

In this volume are four tables. Table I gives values of $J_n(x)$, for $n=0(1)120$, $x=[0(.1)124.9; 7D]$, h^2; these fill more than 370 pages of the volume. Apart from the modified second differences, the values through $n=78$, $x=99.99$ are already implied in published volumes of the Harvard tables [Tables of the Bessel Functions of the First Kind . . . , by the Staff of the Computation Laboratory, Annals of the Computation Laboratory of Harvard University, Harvard University Press, vols. 3–8, 1947; 9–11, 1948-12–13, 1949; these Rev. 8, 406, 605; 9, 208, 307; 10, 150, 483; 11, 135, 463]. Table II gives 5D values less than 125, of zeros of $J_n(x)$. Thus there are 40 zeros for $J_0(x)$, 39 for $J_1(x)$, and so on to the last, a single zero of $J_{119}(x)$. Most of the values are new. Table III is devoted to coefficients in interpolation formulae. Table IV presents values of $J_n(x)$, $n=0(1)13$, $x=[0(.01)14.99; 8D]$; all these values are elsewhere available.

On page 4 the authors state that it was not until after their tables were completed that they saw the first 8 volumes of the Harvard Bessel function tables [loc. cit.]. When its final volume, soon to be published, has actually appeared, it will be found that in the Harvard series no zeros are listed, and values of the functions to at least 10D are given, and $n=0(1)135$, but x is never greater than 100, nor the interval less than unity for $n>85$. Thus these Russian tables contain new results. *R. C. Archibald.*

Source: Mathematical Reviews, Vol 12, No. 2.

FADDEYEVA, V. N.

"Computation Methods of Linear Algebra," Usp. Mat. Nauk., 7, No 1, 1952

FADDEYEVA, V.N.

PHASE I TREASURE ISLAND BIBLIOGRAPHICAL REPORT AID 559 - I

BOOK Call No.: AF633693

Authors: FADDEYEVA, V. N. and TERENT'YEV, N. M.

Full Title: TABLES OF THE VALUES OF THE FUNCTION $w(z)=e^{-z^2}\left(1+\frac{2i}{\sqrt{\pi}}\int_0^z e^{t^2}dt\right)$ (INTEGRAL OF PROBABILITIES) OF A COMPLEX ARGUMENT

Transliterated Title: Tablitsy znacheniy funktsii $w(z)=e^{-z^2}\left(1+\frac{2i}{\sqrt{\pi}}\int_0^z e^{t^2}dt\right)$ (integrala veroyatnostey) ot kompleksnogo argumenta

PUBLISHING DATA

Originating Agency: Academy of Sciences, USSR. Mathematical Institute im. V. A. Steklov. Leningrad Section

Publishing House: State Publishing House of Technical and Theoretical Literature

Date: 1954 No. pp.: 268 No. of copies: 4,000

Editorial Staff

Editor: Academician V. A. Fok Contributors: K. I. Grishmanovskaya, N. A. Poznakhirko and V. I. Mikhailova

PURPOSE: For use in various sections of mathematical physics: in the theory of propagation of electromagnetic waves, in quantum mechanics, in spectroscopy and astrophysics.

TEXT DATA

Coverage: In the preface, Academician Fok, the editor, writes that in contemporary literature there are no adequate tables which give the

AID 559 - I

Tablitsy znacheniy funktsii $w(z)$
(integrala veroyatnostey) ot kompleksnogo argumenta

values of function w(z) in a broad domain of the changes of the variable z. In the introduction, the compilers explain the presentation of the function w(z) in the form of integrals, in the form of Taylor's series, and by the introduction of continued fractions (Chebyshev, Posse, Markov, Stieltjes). Then follows the method of computation of the tables, the method of their use, and the determination of the values of the function w(z) outside of the limits of the tables. The tables give the values of the function w(z) with six decimals for the variables u(x,y), v(x,y), $\Delta u, \Delta v, \Delta^2 u, \Delta v^2$ with 50 values of x and two corresponding values of y on each page: table I (pp. 19-248) for the square $0 \leq x \leq 3, \ 0 \leq y \leq 3$; and table II (pp. 249-268) for the region $3 \leq x \leq 5, \ 0 \leq y \leq 3; \ 0 \leq x \leq 5, \ 3 \leq y \leq 5$.

No. of References: Total 16, 1886-1949, of which 10 are Russian, some already translated.

Facilities: Computations were made on the key and computing analytical machines of the Institute.

2/2

Faddeyeva, V N

Computational Methods of Linear Algebra. Authorized Translation from the Russian by Curtis D. Benster. New York, Dover Publications [1959]

2h2 p.

FADDEYEVA V. N.

PHASE I BOOK EXPLOITATION SOV/5002

Faddeyev, Dmitriy Konstantinovich, and Vera Nikolayevna Faddeyeva

Vychislitel'nyye metody lineynoy algebry (Computing Methods of Linear Algebra) Moscow, Fizmatgiz, 1960. 656 p. 10,150 copies printed.

Ed.: G. P. Akilov; Tech. Ed.: R. G. Pol'skaya.

PURPOSE: This book is intended for mathematicians.

COVERAGE: The book presents computation methods for solving basic problems in linear algebra, i.e., linear-equation systems, inversion matrices, and complete and partial eigenvalue problems. During recent years many numerical methods of solving such problems have been proposed. The authors find it necessary to systematize such methods and give their generalized exposition. Ch. I. is introductory. The remaining chapters cover material which was partly dealt with in the book by V. N. Faddeyeva, published in 1950 under the same title. A number of theorems, examples, tables, and diagrams are included. The authors thank I. A. Lifshits, R. S. Aleksandrova, V. N. Kublanovskaya, and G. P. Akilov for their assistance. There are 852 references: 126 Soviet, 468 English,

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" 123 German, 80 French, 29 Italian, 10 Czechoslovak, 3 Hungarian, 3 Spanish, 3 Serbocroatian, 2 Polish, 1 Dutch, 1 Portuguese, 1 Rumanian, 1 Latin, and 1 Interlingua.

TABLE OF CONTENTS:

34602

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16.6500 16.1500

AUTHORS: Faddeyev, D. K., Faddeyeva, V. N.

TITLE: On ill-conditioned systems of linear equations

PERIODICAL: Referativnyy zhurnal, Matematika, no. 1, 1962, 37. abstract 1V171. ("Zh. vychisl. matem. i matem fiz ," 1961, 1, no. 3, 412-417)

TEXT: A method to solve the ill-conditioned system

$$Ax = f \qquad (1)$$

is considered. As a measure of conditioning, the author takes the so-called conditioning numbers: N-number $= \frac{1}{n} N(A)\, N(A^{-1})$, $N(A) = \sqrt{\mathrm{Sp}\, A'A}$; M-number $= \frac{1}{n} M(A)\, M(A^{-1})$, $M(A) = n \max_{ij} |a_{ij}|$; P-number $= \frac{\max |\lambda_i|}{\min |\lambda_i|}$, λ_i - eigenvalues of the matrix A; H-number $= \sqrt{\frac{\mu_1}{\mu_n}}$, μ_1 -- the largest, μ_n -- the smallest eigenvalue of A'A. The solution of (1) is based on the use of the connection between the eigenvectors of the

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matrices A'A and AA'. It is shown that the vectors $v_i = \frac{1}{\sqrt{\mu_1}} Au_i$ form a normed orthogonal system of eigenvectors of AA' when A is not singular and $u_1, \ldots, u_n$ denotes the normed orthogonal system of eigenvectors of A'A, belonging to the eigenvalues $\mu_1, \mu_2, \ldots, \mu_n$, respectively. The vector f is decomposed into the vectors $v_1, \ldots, v_n$; $f = \sum_{i=1}^{n} c_i v_i$ where $c_i = f(v_i)$. The solution to (1) is sought in the set-up $x = \sum_{i=1}^{n} d_i u_i$ where $d_i = \frac{c_i}{\sqrt{\mu_i}}$. Given as an example is the solution of an ill-conditioned system of third order with the symmetric matrix A. The author points out the good agreement of approximate solutions obtained by various methods. Assuming that the errors of the initial data are much smaller than the smallest eigenvalue of A'A, the influence of the inexact introduction of coefficients and free terms in (1) is clarified.

[Abstracter's note: Complete translation.]

Card 2/2

FADDEYEV, Dmitriy Konstantinovich; FADDEYEVA, Vera Nikolayevna; AKILOV, G.P., red.; ROZENGAUZ, N.M., red.; LUK'YANOV, A.A., tekhn. red.

[Computation methods in linear algebra] Vychislitel'nye metody lineinoi algebry. Izd.2., dop. Moskva, Fizmatgiz, 1963. 734 p. (MIRA 16:10)

(Algebras, Linear)

KUBLANOVSKAYA, V.N.; FADDEYEVA, V.N.

Computation methods for solving the generalized eigenvalue problem.
Trudy Mat.inst. 66:147-165 '62. (MIRA 15:11)
(Matrices) (Eigenvalues)

L 13608-63 BDS/EWT(d)/FCC(w) AFFTC IJP(C)

ACCESSION NR: AP3001107 S/0208/63/003/003/0559/0560

51

AUTHOR: Faddeyeva, V. N. (Leningrad)

TITLE: Triangular-orthogonal methods for the solution of total eigenvalue problems

SOURCE: Zhurnal vy*chislitel'noy matematiki i matematicheskoy fiziki, v. 3, no. 3, 1963, 559-560

TOPIC TAGS: algorithm, eigenvalues, triangular matrice

ABSTRACT: The author discusses a new algorithm for solution of total eigenvalue problems. She relates it to other well-known ones, e.g. Kublanovskaya, Fransis, Boyebodin. Orig. art. has: 5 formulas.

ASSOCIATION: none

SUBMITTED: 08Dec62 DATE ACQ: 10Jun63 ENCL: 00

SUB CODE: 00 NO REF SOV: 006 OTHER: 004

Card 1/1

RITENBERG, M.I.; FADDEYEVA, Z.I.

Coal accumilation in the lower Mesozoic in the Maykyuben' Basin.
Trudy Lab.geol.ugl. no.12:253-298 '61. (MIRA 14:8)
(Kazakhstan—Coal geology)

KOLESNIKOV, Ch.M.; SPASSKAYA, I.S.; MARKOVICH, Ye.M.; FADDEYEVA, Z.I.

Paleontological characteristics of lower Mesozoic sediments in the southern Magnitogorsk synclinorium. Trudy Lab.geol.ugl. no.12:78-82 '61. (MIRA 14:8)

(Ural Mountains—Coal geology)

VOLKOVA, I.B.; NALIVKIN, D.V.; SLATVINSKAYA, Ye.A.; BOGOMAZOV, V.M.; GAVRILOVA, O.I.; GUREVICH, A.B.; MUDROV, A.M.; NIKOL'SKIY, V.M.; OSHURKOVA, M.V.; PETRENKO, A.A.; POGREBITSKIY, Ye.O.; RITENBERG, M.I.; BOCHKOVSKIY, F.A.; KIM, N.G.; LUSHCHIKHIN, G.M.; LYUBER, A.A.; MAKEDONTSOV, A.V.; SENDERZON, E.M.; SINITSYN, V.M.; SHORIN, V.P.; BELYANKIN, L.F.; VAL'TS, I.E.; VLASOV, V.M.; ISHINA, T.A.; KONIVETS, V.I.; MARKOVICH, Ye.M.; MOKRINSKIY, V.V.; PROSVIRYAKOVA, Z.P.; RADCHENKO, O.A.; SEMERIKOV, A.A.; FADDEYEVA, Z.I.; BUTOVA, Ye.P.; VERBITSKAYA, Z.I.; DZENS-LITOVSKAYA, O.A.; DUBAR', G.P.; IVANOV, N.V.; KARPOV, N.F.; KOLESNIKOV, Ch.M.; NEFED'YEV, L.P.; POPOV, G.G.; SHTEMPEL', B.M.; KIRYUKOV, V.V.; LAVROV, V.V.; SAL'NIKOV, B.A.; MONAKHOVA, L.P.[deceased]; MURATOV. M.V.; GORSKIY, I.I., glav. red.; GUSEV, A.I., red.; MOLCHANOV, I.I., red.; TYZHNOV, A.V., red.; SHABAROV, N.V., red.; YAVORSKIY, V.I., red.; REYKHERT, L.A., red.izd-va; ZAMARAYEVA, R.A., tekhn. red

[Atlas of maps of coal deposits of the U.S.S.R.]Atlas kart uglenakopleniia na territorii SSSR. Glav. red. I.I.Gorskii. Zam. glav. red. V.V.Mokrinskii. Chleny red. kollegii: F.A.Bochkovskiy i dr. Moskva, Izd-vo Akad. nauk SSSR, 1962. 17 p.
(MIRA 16:3)

1. Akademiya nauk SSSR. Laboratoriya geologii uglya. 2. Chlen-korrespondent Akademii nauk SSSR (for Muratov).
(Coal geology--Maps)

COSTACHEL, O., Assist. Prof.; FADEI, Lidia

A morphofunctional test of the comparative action of cytotoxics on tumoral (sarcoma 2 A) and non-tumoral (embryonic tissue cultures). Rumanian M. Rev. 4 no.1:73-77 Ja-Mr '60.
(ANTINEOPLASTIC AGENTS pharmacol.)

COSTAKEL, O.; FADEI, L.; NACHTIGAL, M.

Screening test for cytotoxic agents on tumor primary cell cultures.
Neoplasma 10 no.6:565-569 '63.

1. Institute of Oncology, Bucarest, Roumania

ILIESCU, Florica L.; FADEI, Lidia; IONESCU, N.; IONESCU, V.T.

Culturing of malignant cells from human neoplastic ascites fluid.
Rumanian M Rev. No.3:13-16 '61.
(NEOPLASMS) (ASCITES) (TISSUE CULTURE)

FADEI, Lidia; POP,I.

Morphological alterations induced in the I.O.B. H_{10} tumour by alternative in vivo and in vitro cultivation. Rumanian med.rev. 7 no.3:65-70 Jl-S'63

*

FADERHONS, Jan

Variety mixtures of winter wheat. Rost vyroba 10 no.11: 1169-1176 N '64.

1. Research Institute of Sugar Beets, Semtice.

SOTNIKOV, V.; FADEYCHEV, S.

Prospectors of mineral resources. MTO no.9:36 S '59.
(MIRA 13:1)

1. Zamestitel' predsedatelya Verkhne-Donskogo territorial'nogo pravleniya Nauchno-tekhnicheskogo obshchestva Gornoye (for Sotnikov). 2. Uchenyy sekretar' Verkhne-Donskogo territorial'nogo pravleniya Nauchno-tekhnicheskogo obshchestva, Rostov-na-Donu (for Fadeichev).
(Prospecting)

FADEYCHEV, P. A.

USSR/ Farm Animals. Small Horned Stock. Q

Abs Jour: Ref Zhur-Biol., No 9, 1958, 40463.

Author : Fadeichev, P. A.
Inst : Not given.
Title : Karakul Breeding in the Kolkhozes of Uzbekistan.

Orig Pub: Karakulevodstvo i zverovodstvo, 1957, No 5, 34-38.

Abstract: No abstract.

Card 1/1

FEDEYCHEVA, A. G.

Fedeycheva, A. G.

"The Isolation and Investigation of the Composition of Phenols of the Primary Tar of Bituminous Brown Coals from the Ukraine." Min Higher Education Ukrainian SSR. Dnepropetrovsk Chemical-Technological Inst imeni F. E. Dzherzhinskiy. Dnepropetrovsk, 1955 (Dissertation for the degree of Candidate in Technical Sciences)

SO: Knizhnaya letopis' No. 27, 2 July 1955

Fadeycheva, N. G.

USSR /Chemical Technology. Chemical Products and Their Application I-15

Treatment of solid mineral fuels

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31838

Author : Kuznetsov V. I., Fadeicheva A. N.

Title : Composite Utilization of Brown Coal of Ukrainian SSR. X. Characteristics of Primary Tar Produced in Shaft Furnaces from Bituminous Brown Coal of Ukrainian SSR

Orig Pub: Ukr. khim. zh., 1955, 21, No 4, 522-526

Abstract: Low-temperature carbonization of bituminous brown coal from the Aleksandriyskiy deposit (Ukraine) was carried out under laboratory con-

Card 1/3

Inst. Heat Engineering AS Ukr SSR

USSR / Chemical Technology. Chemical Products and Their Application I-15

Treatment of solid mineral fuels

Abs Jour: Referat Zhur - Khimiya, No 9, 1957, 31838

ditions, in a revolving retort, and in industrial shaft furnaces. Yield of tar, on the basis of dry coal, amounts to 13.7%; it contains 9.4% phenols (6.6% liquid), 12.6% paraffins and 16.3% silica-gel tars. The neutral, hydrocarbon portion, which constitutes 51.8% of the tar, contains 5.9% of 95-200° gasoline fraction, 6.3% 200-230° fraction, 19.5% 230-290° fraction, 48.3% 290-353° fraction and 17.7% pitch. About 44% of the phenols are low boiling. On the basis of the tar, the phenol fraction amounts to 0.59%, the cresol fraction -- 1.83% and the

Card 2/3

USSR/ Chemistry - Solid fuels

Card 1/1 Pub. 116 - 26/29

Authors : Kuznetsov, V. I.; Govorova, R. P.; Fadeycheva, A. G.; Gigel', T. B.; and Chernykh, M. K.

Title : Complex utilization of brown coal in the Ukr. SSR. Part 13, Tars from semicoking of smut coal with the solid heat carrier - semicoke

Periodical : Ukr. khim. zhur. 21/6, 804-809, Dec 1955

Abstract : Tars obtained by semicoking of brown coal with the solid heat-carrier (semicoke) were found to offer a higher yield of benzene and lower yield of paraffin fractions as compared with tar obtained during the semicoking of the very same coal with a gaseous heat carrier. The primary decomposition products during the semicoking of brown coal with a solid heat carrier - semicoke - submit to cracking to a greater extent than during semicoking with a gaseous heat carrier. The increase in fractions in tars of unsaturated compounds was found to be due to cracking. The phenols obtained from such fractions offer a somewhat lower yield of phenol-cresol fractions; and the paraffin yield is much lower. Tables; graph.

Institution : Acad. of Sc., Ukr. SSR, Inst. of Heat Power Engineering, Lab. for Chem. Proc.

Submitted : June 17, 1955

KARAVAYEV, N.M.; FADEICHEVA, A.G.; KUZNETSOV, V.I.

Studying the composition of phenols of primary tar of bituminous brown coals of the Ukrainian S. S.R. Khim. i tekh. topl. i masel no.3:19-24 Mr '57. (MLRA 10:4)

1. Institut teploenergetiki AN USSR.
(Ukraine--Lignite) (Phenols--Analysis)

FADEICHEVA, A. G.

73-2-20/22

AUTHORS: Fadeicheva A.G. and Kuznetsov V.I.

TITLE: Complex utilisation of lignites of the Ukrainian RSS. XVII: Phenols of primary lignite tars of the Ukrainian RSS. (Kompleksnoye ispol'zovannye burykh ugley USSR. XVII: Fenoly pervichnoy smoly burykh ugley USSR).

PERIODICAL: "Ukrainskiy Khimicheskiy Zhurnal" (Ukrainian Journal of Chemistry), Vol.23, No.2, March-April, 1957, pp.266-271 (USSR).

ABSTRACT: Tars obtained by semi-coking of bituminous lignites of the Ukraine contain up to 9 to 10% phenols. Hitherto no data have been available on the composition of phenols obtained by the low-carbonisation of tars. To obtain these data phenols were prepared from fractions of lignite tar, i.e. from petroleum, petroleum naphtha and paraffin oils. The fractions were treated with a 10% H_2SO_4 solution and a 5% solution of calcium bicarbonate to extract the carboxylic acids. Phenols were extracted from the fractions with a 13% solution of sodium hydroxide at 18 to 20 C. The obtained phenolates were purified and decomposed with a 20% H_2SO_4 solution. The extracted tar is soluble in acetone, ethyl alcohol and insoluble in benzene,

Card 1/3

Complex utilisation of lignites of the Ukrainian RSS. XVII:Phenols of primary lignite tars of the Ukrainian RSS. (Cont.)

petroleum and petroleum ether. The most valuable components were shown to occur in the first three fractions and represent 7.2% of the weight of the tar. The lower phenol content is 3.8% (Table 1). The content of sulphur-containing compounds in the phenols increases with increasing boiling point of the fractions. The crude phenols separated from the individual fractions contained solid phenols (or so called acid asphaltenes), which are insoluble in petroleum ether. Phenols of the paraffin contain 50% solid phenols. The latter are completely soluble in ether, benzene, alcohol and aqueous alkalis. The crude phenols were rectified at 20 mm HG pressure. The phenols of the benzene and ligroine fractions consist mainly of phenol and cresols. The kerosene and paraffin fractions contained a considerable quantity of xylenol and high-boiling phenols (Tables 2, 3, 5 and 6). Liquid phenols of the paraffin fraction contain mostly high-boiling phenols which are difficult to distil. Fractions of phenols

Complex utilisation of lignites of the Ukrainian RSS. XVII: Phenols of primary lignite tars of the Ukrainian RSS. (Cont.)

boiling between 204-226 C were separated into 3 fractions. Data tabulated in Table 4 show that the xylenol fractions contained considerable quantities of cresols (1, 3, 5-xylenol and 1, 4, 2-xylenol).

There are 6 tables and 5 references, 2 of which are Slavic.

ASSOCIATION: Institute of Thermal Power, Academy of Sciences, USSR (Institut Teploenergetiki AN USSR).

SUBMITTED: July 30, 1956.

AVAILABLE: Library of Congress

73-3-22/24

AUTHOR: Kuznetsov, V. I., and Fadeycheva, A. G.

TITLE: Complex Utilisation of Ukrainian Lignites, XVIII. The Purification of Primary Tar Phenols of Ukrainian Lignites from Neutral Oils and Sulphur Compounds. (Kompleksnoye Ispol'zovaniye Burykh Ugley USSR. XVIII. K Voprosu Ochistki Fenolov Pervichnoy Smoly Burykh Ugley USSR ot Neytral'nykh Masel i Sernistykh Soyedineniy)

PERIODICAL: Ukrainskiy Khimicheskiy Zhurnal, 1957, Vol. 23, No.3, pp. 406-410 (USSR)

ABSTRACT: The purification of phenols, obtained from tars by thermal decomposition, is very important for industry. They have to be purified from neutral oils and sulphur compounds. A method for separating these oils by using superheated steam gave satisfactory results and can be recommended for industrial purposes. It makes it possible to obtain phenols with 2.4 - 4.8% neutral oils which give suitable materials for plastics. The phenolates were prepared by treating separate fractions of primary tar with a 13% NaOH solution. These phenolates contain varying amounts of neutral oils, e.g. fractions boiling at 120 - 315°C contain 12.1% neutral oils, this content increases to 22.4% for fractions boiling at 360°C. The temperature of the superheated steam was 250°C as higher temperatues cause oxidation of the phenols. This

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Complex Utilisation of Ukrainian Lignites. XVIII. The Purification of Primary Tar Phenols of Ukrainian Lignites from Neutral Oils and Sulphur Compounds.

method makes it possible to lower the content of neutral oils from 21% to 2.8%. Satisfactory results were obtained at a steam temperature of 200°C. The residual neutral oils constituted under these conditions 4.9% at a 100% steam consumption and 3.8% at a 150% steam consumption. A 84.2 - 88.1% efficiency of separation is reached; when 200% steam is used the efficiency increases to 90.7%. When superheated steam of 200°C is used a further decrease of neutral oils ensues and the efficiency of purification reaches 90.6, 91.3 and 92.6% at a corresponding steam consumption of 100, 150 and 200%. Laboratory data were confirmed with pilot plant experiments when mixtures of phenolates obtained during alkaline treatment of benzene-, ligroine- and kerosine-fractions and of paraffinic oils. Results of these experiments (Table 1) confirm the previously obtained data. The neutral oil content can be reduced considerably by extracting the phenols from very narrow fractions. The phenolates absorb to a large extent acidic and neutral oxygen-containing compounds and unsaturated hydrocarbons. Sulphur compounds of phenols can be separated during the rectification

 of phenols by addition of a small quantity

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Complex Utilization of Ukrainian Lignites. XVIII. The Purification of Primary Tar Phenols of Ukrainian Lignites from Neutral Oils and Sulphur Compounds.

of air or by treating the phenols with reduced bog ore at 200 - 250°C. Figure 1 shows graphs of a standard distillation of a neutral oil mix of a dephenolised fraction, the distribution of sulphur in tar fractions in phenols, separated from these fractions is shown in figure 2. The sulphur content in phenols was decreased to 0.25% (from 0.78%), i.e. a 70% efficiency was attained. There are 2 figures and 1 Slavic reference.

SUBMITTED: July, 30, 1956.

ASSOCIATION: Institute of Thermal Power, Academy of Sciences, Ukrainian SSR. (Institut Teploenergetiki AN USSR)

AVAILABLE: Library of Congress.

Card 3/3

Зарецкая, А. С.

11(7) PHASE I BOOK EXPLOITATION SOV/2794

Akademiya nauk Ukrainskoy SSR. Institut teploenergetiki

Izucheniye i kompleksnaya pererabotka smol i bitumov burykh ugley Dneprovskogo basseyna, ch. 2 (Study of Tars and Bitumens of Dnepr Basin Brown Coal and Their Comprehensive Conversion, Pt. 2) Kiyev, 1958. 127 p. 1,000 copies printed.

Resp. Ed.: N. M. Karavayev, Professor, Corresponding Member, USSR Academy of Sciences; Ed. of Publishing House: T. K. Remennik; Tech. Ed.: I. D. Milekhin.

PURPOSE: This collection of articles is intended for scientific workers in fuel research institutes as well as for technical and engineering personnel studying problems of comprehensive utilization of solid fuels.

COVERAGE: This collection of articles on the utilization of coal for chemical products is the result of investigations made by the Institute of Thermal Power Engineering of the Academy of Science of the Ukrainian SSR. The process of converting tar and carbobitumens produced through the thermal decomposition of Dneper basin brown coal is analyzed. The importance of the utilization of gases and products of thermal conversion of solid fuel for the growing

Card 1/4

production of synthetic materials is pointed out. The use of solid fuels both as a source of heat energy and as a source of chemicals is emphasized. References accompany individual articles.

TABLE OF CONTENTS:

FADEYEVA, A. G.

PHASE I BOOK EXPLOITATION SOV/4350

Soveshchaniye po khimii, tekhnologii i primeneniyu proizvodnykh piridina i khinolina. Riga, 1957

Khimiya, tekhnologiya i primeneniye proizvodnykh piridina i khinolina; materialy soveshchaniya (Chemistry, Technology and Utilization of Pyridine and Quinoline Derivatives; Materials of the Conference) Riga, Izd-vo AN Latviyskoy SSR, 1960. 299 p. Errata slip inserted. 1,000 copies printed.

Sponsoring Agencies: Akademiya nauk Latviyskoy SSR. Institut khimii; Vsesoyuznoye khimicheskoye obshchestvo.

Ed.: S. Bazhanova; Tech. Ed.: A. Klyavinya; Editorial Board: Yu. A. Bankovskiy, Candidate of Chemistry, E. V. Vanaga, Candidate of Chemistry (Resp. Ed.), L. P. Zalukayev, Doctor of Chemistry, and M. M. Kalnyn'.

PURPOSE: This book is intended for organic chemists and chemical engineers.

COVERAGE: The collection contains 33 articles on methods of synthesizing or producing pyridine, quinoline, and their derivatives from natural sources. No personalities are mentioned. Figures, tables, and references accompany the articles.

TABLE OF CONTENTS:

I. PYRIDINE AND QUINOLINE DERIVATIVES OBTAINED FROM THE THERMAL CRACKING PRODUCTS OF FUELS

(43)

FADEICHEVA, O.G. [Fadieicheva, O.H.], kand. tekhn. nauk

Uses of the phenols of brown coal tar and tar water. Kompl. vyk. pal.-energ. res. Ukr. no.1:192-202 '59. (MIRA 16:7)

1. Institut teploenergetiki AN UkrSSR.
(Phenols) (Coal--Carbonization)

FADEYENKO, Yu.I. (Novosibirsk)

Propulsion of a sphere by the detonation of a plane explosive layer. PMTF no. 6:113-114 N-D '63. (MIRA 17:7)

L 21794-65 EWT(d)/EWT(m)/EWP(w)/EWA(d)/EPR/EWP(t)/EWP(b) Pa-4 IJP(c)
JD/EM

ACCESSION NR: AP5002870 S/0207/64/000/005/0118/0119

AUTHOR: Fadeyenko, Yu. I. (Novosibirsk)

TITLE: Dependence of crater size on the hardness of the target

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 5, 1964, 118-119

TOPIC TAGS: hypervelocity impact, crater size, accelerated projectile, steel hardness, aluminum hardness

ABSTRACT: Several experiments were carried out in which Nichrome projectiles measuring 160±5μ in diameter were explosively accelerated into aluminum-alloy and steel plates. The experiments were conducted under vacuum in order to avoid air braking. Constant acceleration conditions were maintained throughout the tests so that impact velocity and the size of the particle did not change from test to test. A target area containing 20—25 craters was investigated so as to determine the depth and the diameter of the individual craters. The quantity of projectile material remaining in the target after impact could be disregarded because earlier experiments had shown

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ACCESSION NR: AP5002870

that the amount of projectile left in the craters is only 3—8%. Test results obtained for various target materials are summarized and illustrated. Orig. art. has: 3 figures, 3 formulas and 1 table.

ASSOCIATION: none

SUBMITTED: 13May64 ENCL: 00 SUB CODE: ME, WA

NO REF SOV: 002 OTHER: 002 ATD PRESS: 3166

Card 2/2

MEL'NIKOV, S., inzh. (Tashkent); PETROVA, L., inzh. (Novosibirsk); FADEYEV, A.; ANTONOV, A.; SHTURMAN, G., doktor tekhn. nauk, prof. (Riga); MEL'NIK, V., inzh. (Riga); FEDOROV, V., inzh. (Tbilisi)

Ready to shape. Grazhd. av. 20 no.10:22-23 O '63. (MIRA 16:12)

1. Predsedatel' komissii partgoskontrolya pri Tyumenskoy aviagruppe Ural'skogo territorial'nogo upravleniya Aeroflota (for Fadeyev).

FADEYEV, A.; CHABANOVA, Z.

With fast steps forward! Sov.profsoiuzy 17 no.12:11-12 Je '61.
(MIRA 14:6)

1. Predsedatel' rabochego komiteta sovkhoza "Medvezhinskiy," Isil'kul'skogo rayona, Omskoy oblasti (for Fadeyev). 2. Chlen rabochego komiteta sovkhoza "Medvezhinskiy," Isil'kul'skogo rayona, Omskoy oblasti i chlen oblastnogo soveta profsoyuznov (Omskaya obl.). (for Chabanova).
(Isil'kul' District—Stock and stockbreeding)
(Socialist competition)

FADEEV, A.A. and V.M. MIKHITCHAN.

Gazoturbinnyi reaktivnyi dvigatel' BMW-003. (Tekhnika vozdushnogo flota, 1946, no.7, p. 1-9, illus., diagrs., table)

Title tr.: BMW-003 gas turbojet engine.

TL504. T4 1946

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955

FADEYEV, A.A

ESMEYANOV, A.N.; TOPCHIYEV, A.V.; KURCHATOV, I.V.; SKOBEL'TSYN, D. .; KAPITSA, P.B.; IOFFE, A.F.; VINOGRADOV, A.P.; EHRENBURG, I.G.; TIKHONOV, N.S.; FADEYEV, A.A.; FRANK, I.M.; VEKSLER, V.I.; KORNEYCHUK, A.Ye.; POPOVA, N.V.; LEBEDEVA, Z.A.; VASILEVSKAYA, V.L.; PETROVSKIY, I.G.; ALEKSANDROV, A.D.; ARTSIMOVICH, L.A.; MESHCHERYAKOV, M.G.

Irene Joliet-Curie; obituary. Vest.AN SSSR 26 no.4:73-72 Ap '56.
(Joliet-Curie, Irene, 1897-1956) (MLRA 9:7)

GORDIYENKO, Prokopiy Lukich; SIVOKONENKO, Igor' Mikhaylovich; FADEYEV, Aleksey Antonovich; YAVLENSKIY, Konstantin Nikolayevich; DEMENT'YEV, Khrisanf Nikiforovich; LYUSTIBERG, V.F., ved.red.; PONOMAREV, V.A., tekhn.red.

[Laboratory equipment for measuring friction forqe moments in the supports of apparatuses. Device for testing the impact hardness of ice infield conditions]Laboratornaia ustanovka dlia izmereniia momentov sil treniia v oporakh priborov. Ustroistvo dlia ispytaniia udarnoi tverdosti l'da v polevykh usloviiakh. Moskva, Filial Vses.in-ta nauchn.i tekhn. informatsii, 1958. 11 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 32. No.P-58-33/6) (MIRA 16:3)
(Engineering instruments--Testing)

FADEYEV, A.A., kand.tekhn.nauk

Widening the steady operation range of the compressor in a gas-turbine locomotive power plant. Izv.vys.ucheb.zav.; mashinostr. no.2:159-166 '60. (MIRA 14:4)

1. Moskovskoye vysshaye tekhnicheskoye uchilishche imeni Baumana.
(Gas-turbine locomotives)

FADEYEV, A.A.; KRUZHNOVA, Z.S.

Testing the mechanical strength of phonograph records. Plast.massy no.4:74-75 '64. (MIRA 17:4)

CHEMBARTSEV, A.P., gornyy inzh.; FADEYEV, A.B., gornyy inzh.

Response to V.S. Khokhriakova and A.S. Tkacheva's article "Truck transportation in open-pit mines should be under the control of the mine". Gor. zhur. no. 1:80 Ja '61. (MIRA 14:1)

1. Semilukskiy ogneupornyy zavod (for Chembartsev). 2. Severnoye rudoupravleniye Tresta Soyuzasbest (for Fedeyev).

(Mine haulage) (Industrial power trucks)
(Khokhriakova, V.S.) (Tkacheva, A.T.)

FADEYEV, A.B., gornyy inzh.

Testing the KZDSh-58 relay. Gor. zhur. no.9:66 S '63.
(MIRA 16:10)

1. Leningradskiy gornyy institut.

FADEYEV, A.B., gornyy inzh.

Blast effect of elongated charges along the bottom of the bench. Vzryv. delo no.54/11:125-136 '64. (MIRA 17.9)

1. Leningradskiy gornyy institut.

FADEYEV, A.B.

Calculating borehole charges from the point of view of the shock wave theory of blasting. Vzryv. delo no.55/12:46-59 '64. (MIRA 17:10)

1. Leningradskiy gornyy institut.

FADEYEV, A.B., inzh.

Energy distribution of a shock wave in a massif in detonating spherical and cylindrical charges. Izv. vys. ucheb. zav.; gor. zhur. 7 no.5:60-68 '64. (MIRA 17:12)

1. Leningradskiy ordena Lenina i ordena Trudovogo Krasnogo Znameni gornyy institut imeni G.V. Plekhanova. Rekomendovana kafedroy burovzryvnykh rabot.

FADEYEV, A.B.; STOACHEV, A.Ye.

Inclined boreholes as a means of leveling the bench floors in granite quarries. Zap. LGI 49 no.1:91-94 '64.

(MIRA 18:8)

KHANUKAYEV, A.N., doktor tekhn. nauk, prof.; TADEYEV, A.B., insh.

Analysis of diagrams, and a simplified formula for determining the intervals of short-delay blasting in strip mines. Vzryv. delo no.57/14:52-60 '65. (MIRA 18:11)

1. Leningradskiy gornyy institut.

FADEYEV, A. D.

K

USSR / Forestry. Forest Cultures.

Abs Jour: Ref Zhur-Biol., No 7, 1958, 29593.

Author : Fadeyev, A. D.
Inst : Not given.
Title : Selecting the Trees Accompanying Oaks in Field Protective Belts (in the Trans-Volga Region of Kuybyshevskaya Oblast').
(Podbor sputnikov duba v polezashchitnykh lesnykh polosakh (Zavolzh'ya Kuybyshevskoy obl.).

Orig Pub: S. kh. Povolzh'ya, 1957, No 9, 35-36.

Abstract: No abstract.

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K-3

USSR/Forestry - Dendrology.

Abs Jour : Ref Zhur - Biol., No 5, 1958, 20126

The golden and black currants on chernozem soils formed compact root systems, penetrating in the 2-3 summer's growth to a depth of 100-120 cm.

Card 2/2

FADEYEV, A.D.

The Communist Party of the Soviet Union is the inspirer and organizer of the building of the Kuybyshev Hydroelectric Power Station on the Volga, 1950-1955. Uch. zap. Kuib. gos. ped. inst. no.18:307-333 '57.
(Kuybyshev Hydroelectric Power Station) (MIRA 11:3)

V SILOVSKIY, P.P.; TRUBITSYN, N.A.; FABRIKANT, A.D.

Mechanization and automation in enterprises of the automobile and tractor industry in the U.S.A. and Great Britain. Biul.tekh.-ekon. inform. no.1:20-23 '59. (MIRA 12:2)
(United States--Automobile industry)
(Great Britain--Automobile industry)

ALEKSANDROV, R.G.; BARBASHINA, Ye.G.; BAS'KO, K.P.; VARTAN'YAN, A.S.; VASILEVSKIY, P.F.; GLAGOLEVA, L.A.; DUBININ, N.P., prof., doktor tekhn. nauk; KONSTANTINOV, L.S.; KOROTKOV, A.I.; LESNICHENKO, V.L.; PANFILOV, Ye.A.; TRUBITSYN, N.A.; TUCHKEVICH, N.M.; FADEYEV, A.D.; FOKIN, G.F.; MARTENS, S.L., inzh., red.; SOKOLOVA, T.F., tekhn. red.

[Steel casting; foundrymen's handbook] Stal'noe lit'e; spravochnik dlia masterov liteinogo proizvodstva. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 887 p. (MIRA 14:8)
(Founding)

FADEYEV, A.D., kand. ist. nauk; YAKOVLEVA,A.P.; CHERNYKH,N.S.,otv. red.; KALASHNIKOVA, P.I., red.; KOGAN, I.B., red.; KRASNUSHKIN, A.A., red.; CHISTYAKOV, V.P., red.; KOZHEVNIKOVA, V.A., red.; DURASOVA, V.M., tekhn. red.

[The V.I.Lenin Volga Hydroelectric Power Station, 1950-1958] Volzhskaia GES imeni V.I.Lenina (1950-1958 gg); dokumenty i materialy. Kuibyshev, Kuibyshevskoe knizhnoe izd-vo, 1963. 407 p. (MIRA 16:7)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Kuybyshevskiy oblastnoy komitet. Partiynyy arkhiv.. 2. Starshiy prepodavatel' kafedry istorii partii Kuybyshevskogo politekhnicheskogo instituta (for Fadeyev). 3. Nauchnyy sotrudnik partarkhiva Kuybyshevskogo oblastnovo komiteta Kommunisticheskoy partii Sovetskogo Soyuza (for Yakovleva).
(Volga Hydroelectric Power Station (Lenin))

FADEYEV, A.F., inzh.

New method for controlling vault formation in bunkers. Mekh. stroi. 15 no.1:23-24 Ja '58. (MIRA 11:1)
(Vibrators) (Building materials--Storage)

FADEYEV, A.F., inzh.

New method for breaking the hanging bulk materials from the ceilings of bunkers. Suggested by A.F.Fadeev. Rats.i izobr.predl.v stroi. no.11:106-107 '59. (MIRA 13:3)

1. Trest Metallurgstroy Kuybyshevskogo sovnarkhoza.
(Building materials--Storage)

FADEYEV, A. I.

FA 20/49T90

USSR/Mining Equipment Dec 48
Coal

"Lifting and Moving of Reinforced Concrete Loading Bunkers at the Mine Imeni Dzerzhinskiy," A. I. Fadeyev, Engr, 1½ pp

"Ugol'" No 12 (273)

In the repair program carried out at the Dzerzhinsk Trust it was decided to repair the old loading bunker rather than destroy it and build a new one. Describes methods used for raising and repair.

[redacted] 20/49T90

RAZUVAYEV, N.I., inzh.; OGORODNIK, S.T.; FADEYEV, A.I., inzh.

Processing by-products of the wine industry at essential-oil mills. Masl.-zhir.prom. 26 no.7:32-34 Jl '60. (MIRA 13:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut vinodeliya i vinogradarstva "Magarach" (for Razuvayev, Ogorodnik). 2. Krymskiy efiromaslichnyy sovkhoz-zavod (for Fadeyev).
(Essences and essential oils)
(Wine making)

POLIN, M.N.; FADEYEV, A.K. [Fadieiev, A.K.]

Blocking device. Khar. prom. no.2:60-61 Ap-Je '65. (MIRA 18:9)

FADEYEV, Anatoliy Konstantinovich; ZOLOTAREVSKAYA, L.K., red.; KOGAN, V.V., tekhn.red.

[Extrusion of rubber blanks] Shpritsevanie rezinovykh zagotovok. Moskva, Gos.nauchno-tekhn.izd-vo khim.lit-ry, 1960. 107 p. (MIRA 14:1)

(Rubber goods)

FADEYEV, A.M.; GOTOVTSEV, I.V.

Boring chuck with a balancing device. Stan. i instr. 34 no.6: 27-28 Je '63. (MIRA 16:7)

(Chucks)

L 00795-67 EWT(d)/EWT(m)/EWP(v)/T/EWP(t)/ETI/EWP(k)/EWP(h)/EWP(l) IJP(c) JD/
ACC NR: AR6004302 RH SOURCE CODE: UR/0276/65/000/009/B096/B096

34
34
B

AUTHORS: Urazayev, Z. F.; Fadeyev, A. M.

TITLE: Specifications of machines for producing high precision details

SOURCE: Ref. zh. Tekhnologiya mashinostroyeniya, Abs. 9B708

REF SOURCE: Sb. Osnovn. napravleniya i perspektivy razvitiya tekhnol. priborostr. M., 1964, 79-87

TOPIC TAGS: lathe, turning machine, metalworking machinery, threading machine, milling machine

ABSTRACT: It is pointed out that rigidity of machines has an actual bearing on the accuracy of the geometric form and relative position of the surfaces being machined. In choosing equipment for producing details with low tolerances, the degree of rigidity should be considered together with other parameters of geometrical accuracy of its elements. Variation of rigidity with the angle of spindle turn should also be taken into consideration. Under actual conditions, the "give" in the assembly does not remain constant at all angular positions of the spindle. "Give" is a quality opposite to rigidity and constitutes the main cause of machining inaccuracy. A system of tolerances for the rigidity parameters of metal-cutting machines of five types has been developed on the basis of investigations. These machine types are:

Card 1/2 UDC: 621.9-187

L 00795-67
ACC NR: AR6004302

2

1) turning--screw cutting; 2) internal milling; 3) flat milling; 4) gang milling; 5) radial grinding. Rigidity norms are indicated for every accuracy class of a machine according of the classification proposed by ENIMS. 4 illustrations, 1 table. V. Golubeva [Translation of abstract]

SUB CODE: 13

Card 2/2 mjs

ALIKINA, N.A.; POPOV, V.F.; FADEYEV, A.N.; NAZAROVSKIY, B.N., red.; SUKMANOVA, K.G., tekhn. red.

[Communists of Perm Province in the effort to carry out the decisions of the 21st Congress of CPSU] Kommunisty Permskoi oblasti v bor'be za vypolnenie reshenii XXI s"ezda KPSS; sbornik dokumentov i materialov. Perm', Permskoe knizhnoe izd-vo, 1961. 261 p. (MIRA 15:7)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Permskii oblastnoy komitet. Partiynyy arkhiv.
(Perm Province—Economic conditions)
(Perm Province—Communist education)

KOZLOVSKIY, P.R., inzh.; FADEYEV, A.N., inzh.

The UKA-2 equipment for automatic control of conveyors and its operation. Sbor. KuzNIUI no.10:301-326 '64. (MIRA 18:9)

FADEYEV, A.S., mashinist

The "N60 electric locomotive"; an instruction manual.
Elek. i tepl. tiaga no.6:46 Je '62. (MIRA 15:7)

1. Depo Bataysk Severo-Kavkazskoy dorogi.
(Electric locomotives—Handbooks, manuals, etc.)

FADEYEV, A.S., mashinist

Experience in work on the N60 electric locomotive. Elek. i tepl. tiaga 6 no.10:29-31 O '62. (MIRA 15:11)

1. Depo Bataysk Severo-Kavkazskoy dorogi.
(Electric locomotives)

FADEYEV, A.S., mashinist; CHOPOROV, F.K., machinist; YAZOVSKIY, D.D., mashinist

Some observations concerning the design of a.c. locomotives.
Elek. i tepl. tiaga 7 no.9:13-14 S '63. (MIRA 16:10)

1. Depo Bataysk Severo-Kavkazskoy dorogi.

CHICHIVANOV, R.P., dots., kand.tekhn.nauk; FADEYEV, A.V., inzh.

Using an amplidyne in the drive of a high-voltage motor-generator set and the possibility of replacing it by direct-current machines. Nauch.dokl.vys.shkoly; gor.delo. no.4:129-135 '58. (MIRA 12:1)

1. Predstavleno kafedroy obshchey elektrotekhniki i elektricheskikh mashin i laboratoriyey avtomatiki i telemekhaniki Leningradskogo gornogo instituta imeni G.V. Plekhanova.

(Mining machinery--Electric drive)
(Magnetic amplifiers)

FILAKHTOV, A.L., kand.tekhn.nauk; SERYY, Z.L., inzh.; FADEYEV, A.V., inzh.; SENDEROVICH, B.L., inzh.

Continuous sequence in strengthening of earth banks at the Kremenchug Hydroelectric Power Station. Gidr.stroi. 31 no.6: 14-17 Je '61. (MIRA 14:6)

(Kremenchug Hydroelectric Power Station--Embankments)

POGREBINSKIY, A.P., prof.; BOBOVICH, I.M., dots.; AVDAKOV, Yu.K., dots.; PAZHITNOVA, T.K., dots.; CHUNTULOV, V.T., dots.; POLYANSKIY, F.Ya., prof.; FRIDBERG, L.Ya., dots.; DOROSHENKO, V.V., dots.; TALYBEKOV, S.Ye., prof.; FADEYEV, A.V., prof.; AMINOV, A.M., prof.; BOROVOY, S.Ya., prof.; KONYAYEV, A.I., dots.; SHEMYAKIN, I.N., prof.; PONYATOVSKAYA, N.P., dots.; SARYCHEV, V.G., dots.; GOLUBNICHIY, I.S., prof.; VOSKRESENSKAYA, T., red.; NEZNANOV, V., mlad. red.; MOSKVINA,R., tekhn. red.

[Economic history of the U.S.S.R.] Ekonomicheskaia istoriia SSSR. Moskva, Sotsekgiz, 1963. 509 p. (MIRA 17:2)

CHEBOTOV, B.G., kand.tekhn.nauk; POLONSKIY, M.L., inzh.; KOLESNIK, Yu.I., inzh.; FADEYEV, A.V.

Anchoring of the jetty slopes of the Kiev Hydroelectric Power Station using a continuous flow method. Energ. stroi. no.34:53-57 '63. (MIRA 17:1)

1. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu Akademii stroitel'stva i arkhitektury UkrSSR (for Chebotkov, Polonskiy). 2. Stroitel'stvo Kiyevskoy gidroelektrostantsii (for Kolesnik, Fadeyev).

ALEKSEYEV, B.I., kand.tekhn.nauk; PAN'KIN, N.I., inzh.; FAMEYEV, A.Yu., inzh.

Noncontact transducer. Mekh. i avtom. proizv. 18 no.12:34 D '64.
(MIRA 18:3)

GOLUBOV, M.M.; [illegible]; ZAKHAROV, A.Ye.; [illegible]; [illegible], N.I.; SAFRYGIN, Kh.M.; MOSOV, V.S.; VOL'TER, [illegible]; [illegible], Ye.A.; MIROSHNICHENKO, S.I.

Effect of the rate of plate cooling on the quality of the metal after rolling. Mat. i gornorud. prom. no.1:33-36 Ja-F '65. (MIRA 18:3)

FADEYEV, B.

AID P - 3470

Subject : USSR/Aeronautics

Card 1/1 Pub. 135 - 5/20

Author : Fadeyev, B., Col.

Title : Special features of helicopter flights in complicated weather conditions

Periodical : Vest. voz. flota, 12, 24-28, D 1955

Abstract : The author describes the technic of helicopter flights in bad weather and without ground visibility. He stresses the importance of training for this kind of flying and mentions a number of names.

Institution : None

Submitted : No date

TARANOV, M., kand.biologicheskikh nauk; FADEYEV, B.; PROKHOROV, M.

Chemical preservation of forage corn with a high moisture content. Muk.-elev. prom. 28 no.10:7-8 O '62. (MIRA 16:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut fiziologii i biokhimii sel'skokhozyaystvennykh zhivotnykh (for Taranov).
2. Timashevskiy kukuruzoobrabatyvayushchiy i khlebopriyemnyy kombinat (for Fadeyev, Prokhorov).
(Corn (Maize)--Storage) (Sodium pyrosulfites)

[redacted]

[redacted] In battle. Voen. znam. 41 no.[illegible] [illegible].

(MIRA 18:3)

1. Instruktor otdela sportivnoy i oboronno-massovoy raboty Tsentral'nogo komiteta Vsesoyuznogo Leninskogo kommunisticheskogo soyuza molodezhi.

FADEYEV, B.N.

Fitter-gauger P.S.Bespalov. Mashinostroitel' no.11:31-32 '65. (MIRA 18:11)

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Practice of milling machine operator V.K. Solov'yev. Mashinostroitel' no. 1:38-39 Ja '66 (MIRA 19:1)

FADEYEV, B.V.

Hauling ore in the Andreyevskiy open-pit mine. Trudy Alt. GMNII AN Kazakh. SSR 13:127-130 '62. (MIRA 16:3)
(Leninogorsk region (East Kazakhstan Province)--Mine haulage)

FADEYEV, F. S.

Porcelain glaze without lead and with a lower boron oxide content. Yu. G. Shtelnberg, F. S. Fadeev, L. V. Romanchuk, and Z. K. Sasstsinovskaya. *Trudy Gosudarst. Nauch.-Issledovatel. Keram. Inst.* 1954, No. 1, 18-23; *Referat. Zhur., Khim.* 1955, Abstr. No. 55765.—Porcelain glazes without Pb, with lowered B_2O_3 content, in which CaO is partially replaced with equal wt. amt. of SrO introduced as the naturally found celestine, are developed and introduced in the production. The technological properties of the new glazes with lowered B_2O_3 do not differ from those of the former leadless-celestine glazes contg. 9.7% B_2O_3. The broad firing range, high thermal resistivity, and normal development of underglaze colors are preserved. When the B_2O_3 content is lowered to 6.8%, the normal gloss of the glaze is preserved at a ratio SrO:CaO = 1.62. Lowering the B_2O_3 to 3.4% requires a ratio SrO:CaO = 3.8. The glaze has a compn. (in % by wt.): SiO_2 59.9, Al_2O_3 9.0, B_2O_3 3.4, SrO 9.5, CaO 2.5, MgO 1, Na_2O 11.5, and K_2O 3.2.

N. Vasileff

FADEYEV, G.I.

VINOKUR, D.Ya.; FADEYEV, G.I.

External finish of silk fabrics. Tekst. prom. 17 no.5:60-62 My '57.
(Textile finishing) (Rayon) (MLRA 10:6)

FADEYEV, G.N.

Method of differential spectrophotometry in a flow.
Zhur. fiz. khim. 39 no.9:2322-2324 S '65. (MIRA 18:10)

1. Moskovskiy institut zheleznodorozhnogo transporta.

SEMENENKO, P.; GUDOV, V.; SUKHMAN, L.; FADEYEV, I.; KOCHO, V., doktor tekhn.nauk

"Steel pourer" by D.A.Smoliarenko. Reviewed by P.Semenenko and others. Metallurg 8 no.1:39-40 Ja '63. (MIRA 16:1)
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(Smoliarenko, D.A.)

FADEYEV, I.

Improving further economic and control work is the main thing..
Fin.SSSR 37 no.4:3-14 Ap '63. (MIRA 16:4)

1. Ministr finansov RSFSR.
(Industrial management) (Finance)