PECHORINA, Irina Nikolayevna, dotsent; KARASIK, Geda Yankelevna, mladshiy nauchnyy sotrudnik

Determination of the coefficients of the transfer functions of linearalized second and third order systems using an experimentally derived curve of the transient process. Izv. vys. ucheb. zav.; elektromekh. 3 no.9:88-93 '60. (MIRA 15:5)

1. Zaveduyushchaya kafedroy avtomatiki i telemekhaniki Ural'skogo politekhnicheskogo instituta (for Pechorina).
2. Ural'skiy filial AN SSSR (for Karasik).

(Automatic control)
(Transients (Electricity))

80013
S/144/60/000/03/009/017
E032/E414

16.9500

AUTHOR: Pechorina, I.N., Docent, Acting Head of the Chair for Automation and Telemechanics

TITLE: A Method of Constructing Logarithmic Frequency Characteristics of Pulsed Automatic Regulation Systems

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Elektromekhanika, 1960, Nr 3, pp 75-79 (USSR)

ABSTRACT: The method is based on a consideration of the function

$$W^{*}(j\bar{\omega}) = K\left[W(j\bar{\omega}) + W(j\omega + j2\pi) + W(j\bar{\omega} - j2\pi)\right]$$

given by Tsypkin in Ref 1, where $\bar{\omega} = \omega T_o$, T_o is the pulse repetition period, $W(j\omega)$ is the frequency function of the continuous part of the system and K is a general transfer coefficient of the regulation system. This expression can be rewritten in the form of Eq (1); the calculation of the logarithmic amplitude and phase characteristics is carried out using the two formulae just below Eq (1) on p 76. The complex numbers $1 + S_1(j\bar{\omega}) + S_2(j\bar{\omega})$ may be determined with the aid of a nomogram. In order to simplify the calculations, it is

Card 1/4

A Method of Constructing Logarithmic Frequency Characteristics of Pulsed Automatic Regulation Systems

assumed that the moduli of the complex numbers $S_1(j\bar{\omega})$ are sufficiently small and do not exceed - 10 db. Fig 1 gives graphs of the moduli of $1 + S(j\bar{\omega})$ as functions of the modulus and phase of the complex number $S(j\bar{\omega}) = Me^{j\theta}$. It is clear from these graphs that provided M is less than - 10 db, one can put

$1 + S_1(j\bar{\omega}) \approx e^{j\alpha_1(\bar{\omega})}$. With this approximation, the amplitude and phase characteristics can be calculated from the two equations above Fig 2. In order to calculate the complex number $1 + S_2(j\bar{\omega})e^{-j\alpha_1}$, one can use the curves given in Fig 1a, 1b and 2. The modulus of this number is usually small and the logarithmic-

Card 2/4 amplitude frequency characteristic of a pulsed

80013

S/144/60/000/03/009/017
E032/E414

A Method of Constructing Logarithmic Frequency Characteristics of Pulsed Automatic Regulation Systems

ASSOCIATION: Ural'skiy politekhnicheskiy institut
(Ural Polytechnical Institute)

SUBMITTED: December 21, 1959

Card 4/4

PECHORINA, I.N. [Pechorina, I.M.] (Sverdlovsk)

Use of an experimental curve of a transient process for plotting frequency characteristics. Avtomatyka no.3:74-78 '61. (MIRA 14:6)
(Automatic control)
(Frequencies of oscillating system)

PECHORINA, Irina Nikolayevna; DRALYUK, B.N., inzh., retsenzent; DUGINA, N.A., ~~tekhn. red.~~

[Design of automatic control systems]Raschet sistem avtomaticheskogo upravleniia; spravochnoe posobie. Moskva, Mashgiz, 1962. 111 p. (MIRA 15:10)
(Automatic control--Handbooks, manuals, etc.)

S/141/62/005/005/016/016
E140/E135

AUTHOR: Pechorina, I.N.

TITLE: The study of periodic regimes by the method of harmonic balance in automatic control systems containing unstable branches

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika, v.5, no.5, 1962, 1040-1042

TEXT: The method of harmonic balance (describing functions) is applied to systems which can be divided into an unstable linear portion and a single nonlinear branch. The limits of applicability are analysed and it is shown that in general higher harmonics should be taken into consideration.
There are 4 figures.

ASSOCIATION: Ural'skiy politekhnicheskiy institut
(Ural Polytechnical Institute)

SUBMITTED: November 14, 1961

Card 1/1

VOROB'YEVA, K.L.; PECHORINA, I.N., nauchn. red.

[Industrial electronics] Promyshlennaia elektronika; uchebnoe posobie. Sverdlovsk, Ural'skii politekhn. in-t im. S.M.Kirova, 1963. 199 p. (MIRA 17:5)

S/103/63/024/001/002/012
D201/D308

11(5,8307)

AUTHORS: Barbashin, Ye. A., Pechorina, I. N. and Eydinov, R. M. (Sverdlovsk)

TITLE: Variable structure automatic regulators in the control of a certain class of linear static objects

PERIODICAL: Avtomatika i telemekhanika, v. 24, no. 1, 1963, 27-32

TEXT: The authors consider the possibility of applying an automatic control system with variable structure given by S. V. Yemel'yanov (Avtomatika i telemekhanika, v. 20, no. 7, 1959) to the control of objects in which the static error is essential for the compensation of disturbances and the parameters of which vary within sufficiently wide limits. The theoretical analysis of the second order 'switch' type system is given and experimentally investigated in a system in which the static error operates a relay after passing through a 'switch' type network. This relay responds to the sign of the error transducer and changes the sign of the gain of the system. The experimental analysis of this system with step- and

Card 1/2

L 48798-65 EWT(d)/EPF(n)-2/EWP(1) Po-4/Pq-4/Pg-4/Pae-2/Pu-4/Pk-4/Pl-4
(JP(c) WW/BC

ACCESSION NR: AP5007258 S/0280/65/000/001/0126/0130

AUTHOR: Malyshev, G. V. (Sverdlovsk); Pechorina, I. N. (Sverdlovsk)

TITLE: Analysis of the present spectrum of the parametric-circuit signal in an adaptive system

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 1, 1965, 126-130

TOPIC TAGS: automatic control, automatic control design, automatic control system, automatic control theory, adaptive control system

ABSTRACT: The functioning of the sensing element ("frequency discriminator") is analyzed in an adaptive automatic-control system which adjusts its parameters by measuring its own frequency. The analysis is based on the concepts of the present spectrum and the instantaneous power spectrum introduced by C. H. Page (J. Appl. Phys., 1952, v. 23, no. 1). It is found that in a linear system: (1) The present spectrum of the output signal is equal to that of the input signal

Card 1/2

L 40798-65

ACCESSION NR: AP5007258

multiplied by the transfer function; (2) The instantaneous output-signal-power spectrum is equal to the instantaneous input-signal-power spectrum multiplied by the square of the transfer-function modulus. It is observed that the "frequency-discriminator" is actually an "analyzer of the signal present spectrum." Orig. art. has: 1 figure and 25 formulas.

ASSOCIATION: none

SUBMITTED: 08Feb64 ENCL: 00 SUB CODE: DP, IE

NO REF SOV: 003 OTHER: 003

Card 2/2

L 8906-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)

ACC NR: AP5026955 SOURCE CODE: UR/0103/65/026/010/1728/1736

AUTHOR: Baryshnikov, Yu. A. (Sverdlovsk); Pechorina, I. N. (Sverdlovsk)

ORG: None

TITLE: Use of a spectrum analyzer in a two-dimensional self-adaptive system

SOURCE: Avtomatika i telemekhanika, v. 26, no. 10, 1965, 1728-1736

TOPIC TAGS: self adaptive control, spectrum analyzer, automatic control system

ABSTRACT: Use of a spectrum analyzer in a two-dimensional self-adaptive control system is considered. The frozen coefficient method is used since the parameters of the system change rather slowly in comparison with the transfer processes in the main circuit. It is assumed that the test signals are short-duration pulses with a repetition interval greater than the attenuation time of the transfer process. The frequency response of the coupled channels and integral evaluation are used to show that a frequency analyzer can be used for constructing a two-dimensional self-adaptive system. Integral analysis is used for examining the operation of a frequency analyzer for the natural oscillations of the system. The dynamic characteristics of the two-dimensional system are analyzed on the basis of the coupling function and the universal transfer function due to the mutual effect of the channels. Simulation on an analog computer was used for experimental verification of the practicality of this system. It is found that mutual coupling between channels is no barrier to use of the spectral method

UDC: 62-506.1

Card 1/2

KALENDAROV, G.S.; PECHORINA, Ye.A.

Nature of hepatitis in infants in pulmonary tuberculosis [with summary in French]. Probl.tub. 34 no.6:44-48 N-D '56. (MLRA 10:2)

1. Iz Arkhangel'skogo tuberkuleznogo sanatoriya dlya detey rannego vozrasta (glavnyy vrach Ye.A.Pechorina), Oblastnogo protivotuberkuleznogo dispansera (glavnyy vrach S.P.Stashko) i kafedry patologicheskoy fiziologii Arkhangel'skogo Meditsinskogo instituta (zav. kafedroy dotsent G.S.Kalendarov)

(TUBERCULOSIS, PULMONARY, in infant and child, with hepatitis (Rus))
(HEPATITIS, in infant and child, in pulm. tuberc. (Rus))

PECHORINA, Ye.G. (hys[illegible])

Change in [illegible] female sexual organs in [illegible].
Nauch. trudy [illegible] med. inst. [illegible] 68-73 [illegible]. (MIRA [illegible])

PECHORSKAYA, M.B.

Diuretic effects of progesterone. Sov. med. 28 no.3:33-36 Mr '65.
(MIRA 18:10)

1. Fakul'tetskaya terapevticheskaya klinika (direktor - prof. V.N. Vinogradov [deceased]) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.

PECHORSKIY, G.N.

Khlopkovodstvo Turkmenistana
(Cotton raising in Turkmenistan). Ashkhabad,
Turkmengiz, 1952. 381 p.

SO: Monthly List of Russian Accessions, Vol. 6, No. 1, April 1953

PECHORSKIY, Ye.

Output of chemical products is increasing. Prom.koop. 13 no.2:9 F '59. (MIRA 12:4)

1. Tekhnoruk arteli "Balashikhinskiy khimik," g. Balashikha, Moskovskoy oblasti.
(Balashikha—Plastics industry)

Psychology

CZECHOSLOVAKIA

SIMANDL, J.; PECHOUCEK, M.; Research Institute of Mathematical Machines (Vyzkumny Ustav Matematickych Stroju), Prague.

"Use of Computers in Analyzing Results of Hypnopedic Experiments."

Prague, Activitas Nervosa Superior, Vol 8, No 3, Sep 66, pp 259 - 262

Abstract: Investigation of the so called "Learning While You Sleep" methods was made by means of computer analysis of experimentally obtained data. The "t-test" calculation involving the evaluation of over 1000 values was completed in 30 minutes. The application of the computer program, used in this instance, to other similar mathematical applications is discussed. 2 Figures, no references.

1/1

ACC NR: AP6032760 SOURCE CODE: CZ/0079/66/008/003/0259/0262

AUTHOR: Simandl, J.; Pechoucek, M.

ORG: Research Institute for Mathematical Machines, Prague (Vyzkumny ustav matematickych stroju)

TITLE: Use of a computer to process results of hypnopedic tests

SOURCE: Activitas nervosa superior, v. 8, no. 3, 1966, 259-262

TOPIC TAGS: computer coding, human physiology, psychophysiology, psychometry, computer application

ABSTRACT: Exploratory research was conducted in processing results of tests on mental processes in sleeping subjects (such as repeating a series of words or numbers), of coded electroencephalographic recordings, also subjective data from groups of persons including the quality of sleep, dreams, awakening intervals, and in coding their replies to questionnaires. The purpose of tests was to classify persons as to preselected variables of two types: those obtained by periodicity (numerical) and those of a nominal or relationship character (non-numerical). Due to the limited operational and memory capacity of the EPOS-1 computer employed, 48 variables were selected for processing (30 numerical, and 18 non-numerical) representing groups of persons exhibiting similar qualities in each branch of the investigation. Punch cards were made for 30 persons including the 48 variables for each. This stores 990 numerical and 800 non-numerical addresses in the computer memory cell. Computer operations are

Card 1/2

ACC NR: AP6032760

then described for classifying tested persons in groups as to all given variables, also arithmetical averages and divergencies from the average. In trial runs about 25 min were consumed in manual handling of the cards for about 1,000 set values. Orig. art. has: 2 figures.

SUB CODE: 06, 09/ SUBM DATE: none

Card 2/2

CZ/0079/66/008/003/0259/0262

CZECHOSLOVAKIA
AUTHOR: Simandl, J.; Pechoucek, M.

ORG: Research Institute for Mathematical Machines, Prague (Vyzkumny ustav matematickych stroju)

TITLE: Use of a computer to process results of hypnopedic tests

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ABSTRACT: Exploratory research was conducted in processing results of tests on mental processes in sleeping subjects (such as repeating a series of words or numbers), of coded electroencephalographic recordings, also subjective data from groups of persons including the quality of sleep, dreams, awakening intervals, and in coding their replies to questionnaires. The purpose of tests was to classify persons as to preselected variables of two types: those obtained by periodicity (numerical) and those of a nominal or relationship character (non-numerical). Due to the limited operational and memory capacity of the EPOS-1 computer employed, 48 variables were selected for processing (30 numerical, and 18 non-numerical) representing groups of persons exhibiting similar qualities in each branch of the investigation. Punch cards were made for 30 persons including the 48 variables for each. This stores 990 numerical and 800 non-numerical addresses in the computer memory cell. Computer operations are

PECHOUSEK, Vlastimil, inz.

Management of shipping operations according to a graph of inland navigation by the Czechoslovak Elbe-Oder River Navigation Lines. Doprava 7 no.2:125-130 '65.

DOBERSKY, P.; PECHOVA, I.; HORACKOVA, E.; PARIZKOVA, J.; VAVRINKOVA, H.; techn. spoluprace KLUSONOVA, H.; STORKOVA, H.

Metabolism in obese subjects. Cesk. gastroent. vyz. 16 no.3/4:230-237 Ap '62.

1. Ustav pro vyzkum vyzivy lidu v Praze, reditel doc. MUDr. J. Masek, DrSc.

(DIET REDUCING)

KANDRAC, Michal; PAV, Jaroslav; PECHOVA, Irena

Successful steroid therapy of severe enteritis caused by gold therapy. Cas.lek.cesk 100 no.12:361-367 24 Mr '61.

1. Laborator pro endokrinologii a metabolismus KU v Praze, prednosta akademik Josef Charvat a Ustav pro vyzkum vyzivy lidu v Praze, prednosta doc. dr. Josef Masek.

(GOLD toxicol) (ADRENAL CORTEX HORMONES ther)
(ENTERITIS etiol)

PECHOVÁ, L.
Czechoslovakia
Children's Pulmonary Department of the Thomayer Hospital in Prague -- Prague (Dětské plicní oddělení Thomayerovy nemocnice v Praze -- Praha); Director: Z. ROTTER, MUDr.

Prague, Rozhledy v tuberkulóse, No 1, 1963, pp 40-46

"Pulmonary Mucoviscidosis."

PECHOVA M.
(4162)

*A new type of Salmonella isolated from the brown rat (Czech text) CSL. HYG. EPID. MIKROB. 1953, 2/2 (154-157)

A new type with the antigenic structure XXVIII, g,m,t, is described.

Syrucek - Prague

SO: E. M. Vol. 7, No. 8 - Sect. IV August 1954

PECHOVA, Marie

Determining the names of postal offices. Cs spoje 7 no.6: 10 Je '62.

1. Ministerstvo dopravy a spoju.

S/169/63/000/001/013/062
D263/D307

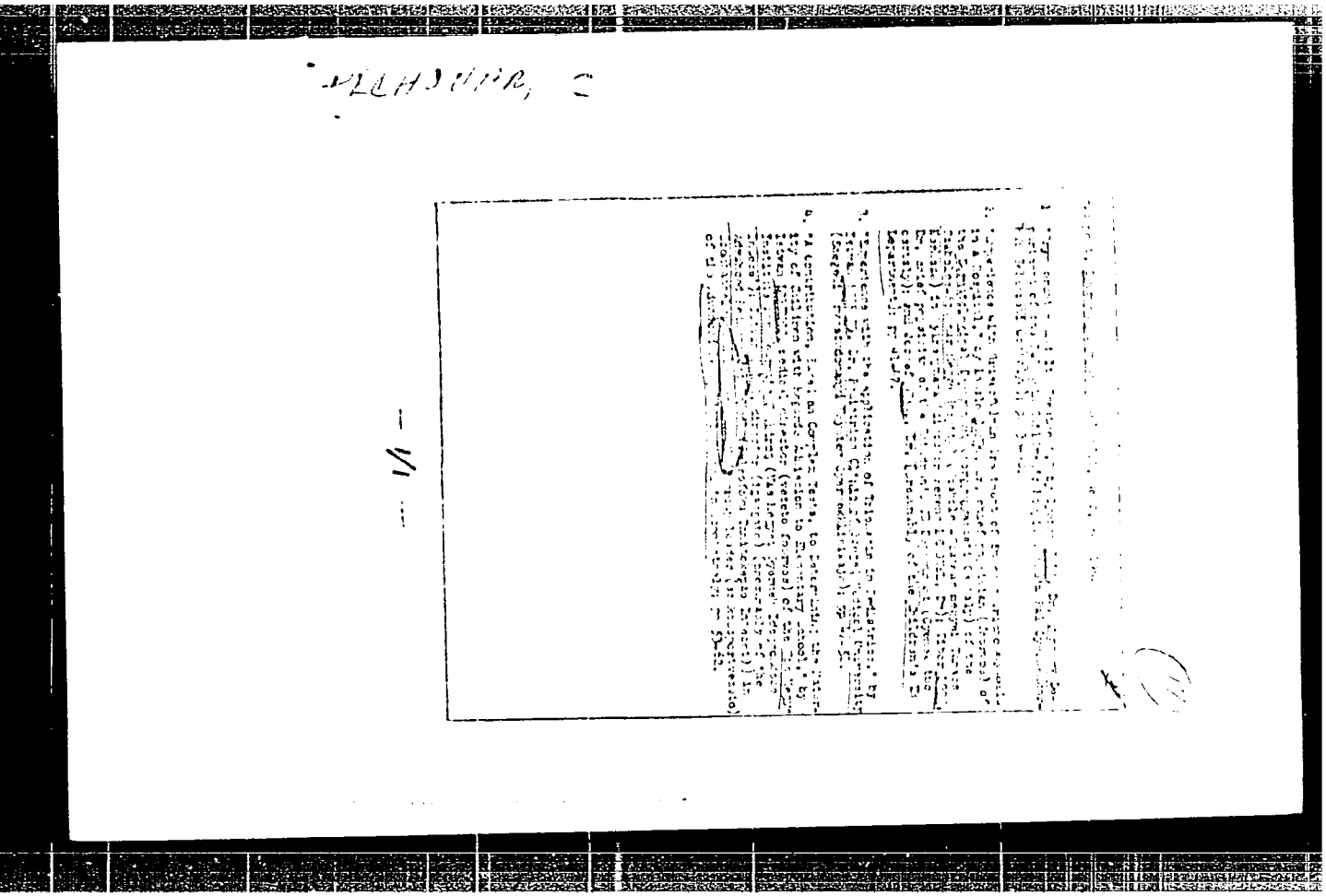
AUTHORS: Pechova, Ya. and Shubrt, Ya.

TITLE: Results of the measurements of telluric currents, carried out at the Budkov observatory in 1959

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 1, 1963, 49, abstract 1A265 (In collection: Rezul'taty geomagnitn., tellurich. i ionosfern. izmereniy, proved. v observ. Prugonitse, Budkov i Panska Ves v 1959 g., Praga, Chekhosl. AN, 1962, 555-737)

TEXT: Hourly values of the potential gradients of telluric currents are tabulated, and operation of instruments is described in brief. Registration was carried out at 22, 30, and 90 mm/hr; two pairs of measuring lines were employed, oriented in meridional and latitudinal directions. One pair was 1000 m long, the other 100 m. [Abstracter's note: Complete translation]

Card 1/1



PECHTOR, H.

On the right path. p. 345.
(KRIDLA VLASTI, no. 15, July, 1955, Praha)

SO: Monthly List of East European Accession, (EEAL), LC. Vol. 4, No. 11, Nov. 1955, Uncl.

GAGLOYEV, Mukhtar Gazanovich; PECHUGIN, Donat Arsent'yevich; SOROKIN, N.N., red.; BOBROVA, Ye.N., tekhn.red.

[Mechanized methods of performing filler work; practices of mechanized track stations] Mekhanizatsiia rabot po likvidatsii puchin; opyt putevykh mashinnykh stantsii. Moskva, Gos.transp. zhel-dor.izd-vo, 1957. 61 p. (MIRA 10:12)
(Railroads--Track)

PECHUGIN, Donat Argent'yevich; SINKIN, Petr Aleksandrovich; LIIMERS, G.V. kandidat tekhnicheskikh nauk, redaktor; SOROKIN, N.N., inzhener, redaktor; BOBROVA, Ye.N., tekhnicheskiy redaktor.

[Re-laying of track superstructure; practices of track stations] Rekonstruktsiia verkhnego stroeniia puti; opyt pytevykh mashinnykh stantsii. Moskva, Gos.transp.zhel-dor.izd-vo, 1957. 70 p. (MIRA 10:4)

(Railroads--Track)

PECHUGIN, D.A., inzhener (Novosibirsk).

Slag [illegible] chair to counter heaving. Put' i put. khoz no.7:33-34 Jl '57. (MLRA 10:8)

(Railroads--Track)

PECHUGIN, D.A.

DANOVSKIY, L.M.,dots; KONOPLEV, B.A.,inzh.; PECHUGIN, D.A.,dots.

Using Dragavtsev's machine for cleaning ballast. Put' i put. khoz. no.3:10-11 Mr '58. (MIRA 11:4)

1. Nachal'nik otdela mekhanizatsii sluzhby puti Novosibirsk.
(Ballast (Railroads))

PECHUGIN, D.A., inzh.; SINKIN, P.A., inzh. (Novosibirsk)

Repair of bridges by track machinery stations. Put' i put. khoz. no.4:14 Ap '58. (MIRA 11:4)
(Railroad bridges--Maintenance and repair)

DANOVSKIY, L.M., dots, kand. tekhn. nauk; GROMOV, L.K., kand. tekhn. nauk; KONDAKOV, N.P., dots.; MIROSHIN, P.V., dots.; PECHUGIN, D.A., dots.; ANTONOV, Yu.A., inzh. (Novosibirsk)

What investigations and experience tell us. Put' i put. khoz. no.3: 10-12 Mr '59. (MIRA 12:6)
(Railroads--Track)

DANOVSKIY, L.M., kand.tekhn.nauk; KOTYUKOV, I.A., kand.tekhn.nauk; KONDAKOV, N.P., kand.tekhn.nauk; SHATALIN, I.I., kand. tekhn.nauk; GROMOV, L.K., kand.tekhn.nauk; PECHUGIN, D.A., dots.; MIROSHIN, P.V., dots.; SHCHEGOTIN, K.I., assistant (Novosibirsk)

New textbook on tracks ("Tracks" by G.Al'brekht and others. Reviewed by L.M.Danovskii and others). Put' put.khoz. 4 no.4:45-47 Ap '60. (MIRA 13:7)

1. Sotrudniki kafedry "Put' i putevoye khozyaystvo" Nauchno-issledovatel'skogo instituta inzhenerov.
(Railroads--Track) (Al'brekht, G.) (Liders, G.V.) (Nikiforov, P.A.) (Chlenov, M.T.) (Chernyshev, M.A.)

DANOVSKIY, Leonid Mechislavovich, dots., kand. tekhn. nauk; GRONOV, L.K., kand. tekhn. nauk, dotsent; ANTONOV, Yu.A., dots.; MIL'CHAKOV, K.V., inzh.; KOTYUKOV, I.A., kand. tekhn. nauk, dotsent; CHASHCHIN, N.P., inzh.; MIROSHIN, P.V., dotsent; INOZEMTSEV, A.A., inzh.; PE-CHUGIN, D.A., dotsent; KOVALEV, N.F., inzh.; SINKIN, P.A., inzh.; POTOTSKIY, G.I., inzh., red.; USENKO, L.A., tekhn. red.

[Track work in sections with heavy freight traffic; from the experience of the Omsk and Tomsk Railroads] Putevye raboty na gruzonapriazhennykh uchastkakh; iz opyta Omskoi i Tomskoi dorog. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 102 p. (MIRA 14:7)
(Railroads--Maintenance and repair) (Railroads--Freight)

DANOVSKIY, L.M., dotsent (Novosibirsk); PECHUGIN, D.A., dotsent (Novosibirsk); POZDEYEV, V.N., inzh. (Novosibirsk); SEMESHKO, P.T. (Novosibirsk)

Track-skeleton assembly points and their spacing on a railroad line. Put' i put.khoz. 7 no.12:17-20 '63. (MIRA 16:12)

1. Novosibirskiy institut inzhenerov zheleznodorozhnogo transporta (for Danovskiy, Pechugin, Pozdeyev). 2. Zamestitel' nachal'nika Zapadno-Sibirskoy dorogi (for Semeshko).

PECHUGIN, D.A., dotsent; PECHUGINA, L.D., inzh. (Novosibirsk)

Overhauling of tracks with an asbestos and crushed stone section. Put' i put.khoz. 7 no.8:21-24 '63. (MIRA 16:9)

1. Novosibirskiy institut inzhenerov zheleznodorozhnogo transporta (for Novosibirsk).

(Railroads—Maintenance and repair)
(Ballast railroads)
(Asbestos)

GROMOV, L. K., dotsent (Novosibirsk); PECHUGIN, D. A., dotsent (Novosibirsk)

Organization of work on tracks with asbestos ballast. Put' i put. khoz. 6 no.10:22-26 '62. (MIRA 15:10)

1. Novosibirskiy institut inzhenerov zheleznodorozhnogo transporta.

(Railroads—Maintenance and repair)
(Ballast(Railroads))

PECHUGIN, PETR ALEKSANDROVICH

N/5
755.5
.P3

Rekonstruktsiya verkhnego stroyeniya puti; opyt putevykh mashinnykh stantsiy (Reconstruction of railroad lines; an experiment with track laying machines, by) D.A. Pechugin i P.A. Sinkin.
Moskva, Transzheldorizdat, 1957.
70 p. illus., diagrs., graphs.

755.5 N/5
661.3 N/5
662.323 N/5

MEA

PECHUGIN, D.A., dotsent; PECHUGINA, L.D., inzh. (Novosibirsk)

Overhauling of tracks with an asbestos and [illegible] stone section. [illegible]
i put.khoz. 7 no.8:21-24 '63. (MIRA 16:9)

1. Novosibirskiy institut inzhenerov zheleznodorozhnogo transporta (for Novosibirsk).
(Railroads—Maintenance and repair)
(Ballast railroads)
(Asbestos)

PECHUK, E.I.

Study of the sparkproof properties of aluminum alloys used in the manufacture of housing for electric mine equipment. Trudy MakNII Mosp.gor.elektromekh.no.3:40-85 '60. (MIRA 16:5)

(Aluminum alloys—Testing) (Mining machinery)

PECHUK, B.I. [deceased]

Safety in the use of metallic mine supports. Trudy MakNII 9 no.2:170-192 '59. (MIRA 12:8)
(Mining engineering—Safety measures)

PECHUK I.

PECHUK, I., professor, doktor tekhnicheskikh nauk; CHEBANOV, V.

Mine degasing apparatus. Mast.ugl. 3 no.8:17-18 Ag '54.(MLRA 7:9)

1. Glavnyy inzhener tresta Shakhterskantratsit (for Chebanov)
(Mine gases)

PECHUK, I.M.; KUL'BACHNYY, A.N.

First results of using hydraulic fracturing and washout to control sudden outbursts of coal and gas. Sbor. trud. Inst. gor. dela AN URSR no.13:74-89 '63 (MIRA 17:7)

PECHUK, I. M.

Ventilation and the struggle with fire damp in mines of the Kuznetsk Basin. Moskva, Ugletekhizdat, 1946. 147 p. (50-40916)

TN809.R9P4

PECHUK, I. F.

Standard compressed air pumps. Moskva, Stroitoplivoizdat, 1948. 17p.

TECHUK, I. M. [illegible]

USSR/Mines Apr 48
Coal
Safety Precautions

"The Problem of the Determination of the Class of Mines by Gas," Docent I. M. Techuk, Prof, Kuz PIMI, 4 pp

"Ugol'" No 4

Criticism article by V. V. Vladimirsky in Ugol' No 7-8 on this subject. It is not possible to determine by one method explosion risk and ventilation requirements for all coalfields. Each case must be treated on its merits, based on a study of the main gaseous coalfields--Donets, [illegible]

USSR/Mines (Cont'd) Apr 48

Donets, Karaganda.

[illegible]

FE[illegible], I. M.

29045 Kaptazh rvdnichnogo gaza. Trudy Gorno-geol. in-ta (Akad. nauk SSSR, Zap-Sib Filial), vyp.4, 1949 S. 39-46

SO: Letopis' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

PECHUK, I.M.; KUL'BACHNYY, A.N.

Hydraulic fracturing in the coal industry. Neft. khoz. 39 no.12: 43-47 D '61. (MIRA 14:12)
(Donets Basin--Coal mines and mining)
(Oil wells--Hydraulic fracturing)

PECHUK, I.M.

Length of the process of the upper layer on the protection from sudden outbursts of coal and gas. Trudy Inst.gor.dela AN URSR no.11:27-31 '62. (MIRA 16:2)

(Mine gases)

PECHUK, I.M., prof.

Determining the danger of seam outbursts. Ugol' Ukr. 7 no.11: 50-52 N '63. (MIRA 17:4)

PRIKHUK, I.M.; MATKVSKAYA, V.M.; VESELOVSKIY, V.S., otvetstvennyy redaktor; GRADIN, V.Ye., redaktor; KOROLENKOVA, Z.A., tekhnicheskiy redaktor; ALDANOVA, Ye.I., tekhnicheskiy redaktor

[Spontaneous combustion fires in the Donets basin] Endogennye pozhary v Donetskom basseine. Moskva, Ugletekhizdat, 1954. 273 p. (MLRA 8:3)
(Donets basin--Mine fires)

PECHUK, I.M.

3943. GAS DRAINAGE IN DONBASS MINES. Pechuk, I.M. (Ugol (Coal, Moscow), Dec. 1956, 27-31). The author's theory for the location of drainage bore holes is explained and the advantages obtained in mining the coal are described. Some mines produce as much as 50,000 cu.m. of gas each per day and it is proposed to obtain more than 1 million cu.m/day of methane from Donbass in 1960. Mine boilers have been converted to gas firing and in 1956/57 two gas filling stations are to be constructed and 1000 vehicles converted from gasoline to gas. Mine gas will also be used for domestic purposes. - (L).

MAKEYEVSKIY NAUCHNO-ISSLEDOVATEL'SKIY INST

PECHUK, Isaak Moiseyevich; LOZNEVA,A.A., redaktor; OKHRIMENKO,V.A., redaktor; KOROVENKOVA,Z.A., tekhnicheskiy redaktor

[Degasification of accessory minerals by means of borings] Degazatsiia sputnikov skvazhinami. [Moskva] Ugletekhizdatm k956. 25 p. (Coal mines and mining) (MIRA 9:4)

PECHUK, Isaak Noiseyevich; KARPOV, A.M., prof., otv. red.; PECHKOVSKIY, V.I., red.; LIBERMAN, T.R., tekhn. red.

[Penetration of gases through fractured rocks into houses and workings] Proniknovenie gazov po treshchinovatym porodam v pomeshcheniia i vyrabotki. Kiev, Izd-vo Akad. nauk USSR, 1962. 110 p. (MIRA 15:11)

(Mine gases)

PECHUK, I.M., prof.

Relation between the water content of rocks and coal seams and the gas content of the latter. Izv. vys. ucheb. zav.; gor. zhur. 5 no.3:38-39 '62. (MIRA 15:7)

1. Institut gornogo dela AN USSR. Rekomendovana institutom gornogo dela AN USSR.
(Mine water) (Mine gases)

PECHUK, Isaak Moiseyevich; KRAVETS, V.I., otvetstvennyy redaktor; OKHRIMENKO, V.A., redaktor izdatel'stva; BASHEVA, T.A., redaktor izdatel'stva; KOROVENKOVA, Z.A., tekhnicheskiy redaktor.

[Gas removal from secondary minerals of coal seams through boreholes] Degazatsiia sputnikov ugol'nykh plastov skvazhinami. Moskva, Ugletekhizdat, 1956. 209 p. (MLRA 10:4)

(Mine gases)

CHERNOV, O.I.; MIRONOV, N.P.; PECHUK, I.M.

"Sudden coal and gas outbursts" by V.V.Khodot. Reviewed by O.I. Chernov, N.P.Mironov, I.M.Pechuk. Ugol' 37 no.8:61-63 Ag '62. (MIRA 15:9)

1. Vostochnyy nauchno-issledovatel'skiy institut po bezopasnosti rabot v gornoy promyshlennosti (for Chernov, Mironov). 2. Institut gornogo dela AN UkrSSR (for Pechuk)
(Mine gases) (Khodot, V.V.)

PECHUK, I.M.

Determining the direction of degasification boreholes. Trudy MakNII 10:41-59 '60. (MIRA 15:10)
(Mine gases)

PECHUK, I.M., doktor tekhnicheskikh nauk.

Control of gas leakage from underground gas producers to workings in mine No. 1 of the Skuratovugol' Trust. Podzem.gaz.ugl. no.2:100-105 '57. (MLRA 10:7)

1. Makeyevskiy nauchno-issledovatel'skiy institut.
(Moscow Basin--Coal gasification, Underground)
(Moscow Basin--Coal mines and mining)

PECHUK, I.M., professor.

Degassing and fan suction of methane from mined areas. Bezop. truda v prom. 1 no.5:25-27 '57. (MLRA 10:7)

1. Makeyevskiy nauchno-issledovatel'skiy institut po bezopasnosti rabot v gornoy promyshlennosti.
(Mine gases)

PECHUK, I.M., prof.

Aromatic alarm systems. Bezop.truda v prom. 2 no.9:32 S '58.
(MIRA 11:9)
(Signals and signaling)

PECHUK, I.M., doktor tekhn.nauk; KARAGODIN, L.N., kand.tekhn.nauk

Preventing penetration of methane into houses. Bezop.truda v prom. 3 no.3:6-7 Mr '59. (MIRA 12:4)
(Methane--Safety measures)

PECHUK, I.M.

Readers' response to M.P. Kukharskii's article on "I.M. Pechuk's theory on gas removal from neighboring formations, and its substantiation." Ugol' 34 no.6:56-57 Je '59.

(MIRA 12:8)

(Coal mines and mining) (Mine gases)

PECHUK, I.M.; KUL'BACHNYY, A.M.

Using hydraulic fracturing and jetting as protection against sudden coal and gas outbursts. Ugol' 35 no. 12:34-35 D '60. (MIRA 14:1)

1. Makeyevskiy nauchno-issledovatel'skiy institut po bezopasnosti rabot v gornoy promyshlennosti.
(Hydraulic mining) (Mine gases)

PECHUK, I.M.; ZENIN, V.I.

Causes of outbursts. Sbor.trud.Inst.gor.dela AN URSR no.8:83-97 '61. (MIRA 15:2)
(Mine gases)

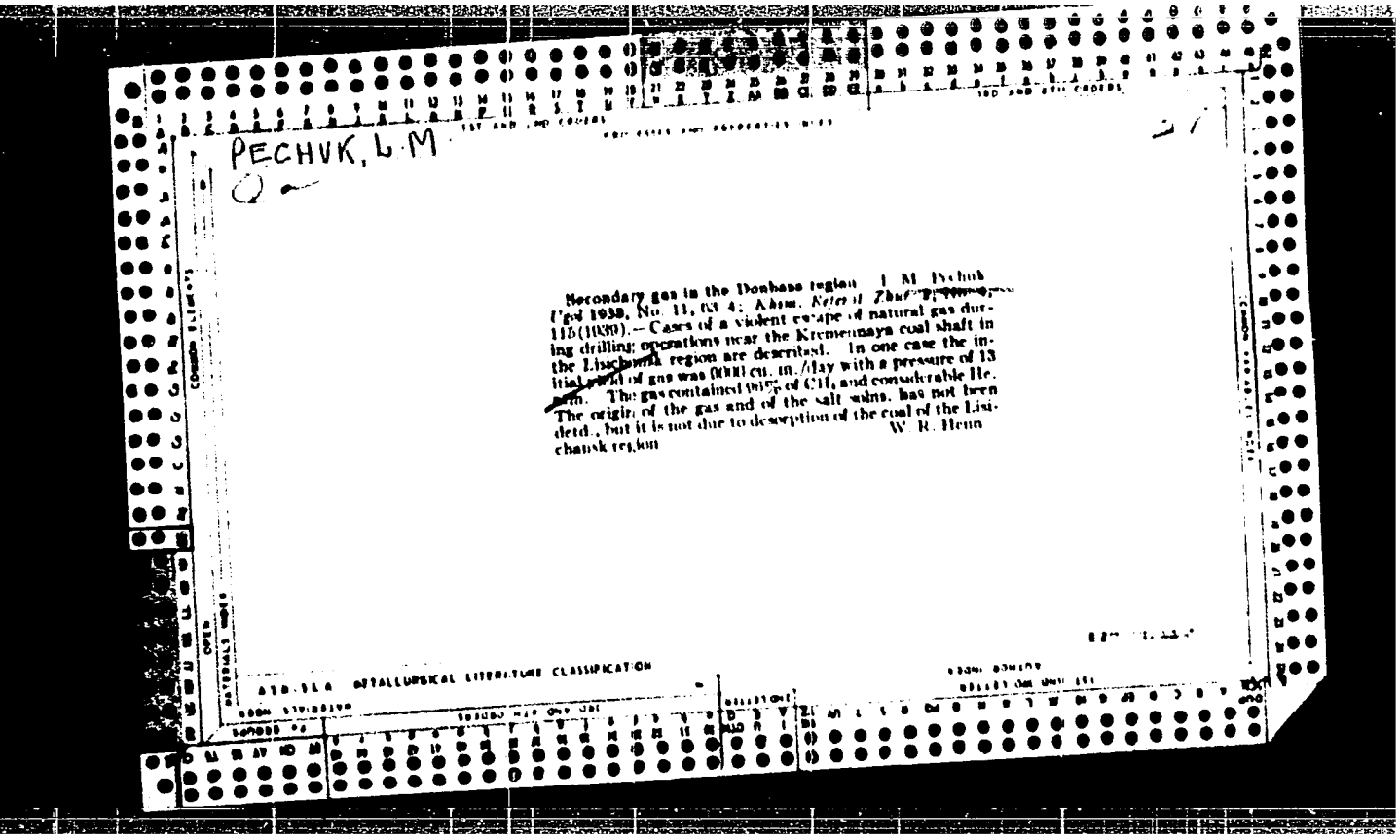
PECHUK, I.M.

Gas concentration in seams of waterbearing deposits. Ugol' Ukr. 5 no.3:41-42 Mr '61. (MIRA 14:3)
(Mine gases)

PECHUK, L.M., kand.med.nauk; PEKUROVSKIY, Ye.M.

Changes in the correlation of protein fractions of the blood serum under the influence of tuberculin in pulmonary tuberculosis in children. Probl. tub. no.8:56-62'62. (MIRA 16:9)

1. Iz detskoy kliniki Kiyevskogo nauchno-issledovatel'skogo instituta tuberkuleza imeni F.G.Yanovskogo (dir. A.S.Mamolat) i Boyarskogo detskogo tuberkuleznogo sanatoriya "Barvinok" glavnyy vrach D.M.Bukhalo).
(BLOOD PROTEINS) (TUBERCULOSIS)
(TUBERCULIN)



PECHUK, L. N.

USSR/Medicine - Streptomycin Sep/Oct 48
Medicine - Tuberculous Meningitis,
Therapy

"Course of Tuberculous Meningitis in Children, Treated With Streptomycin," Kh. S. Martinson, Cand Med Sci, L. N. Pechuk, I. S. Dergachev, Tuberculosis Dept, Inst of Pediatrics, Acad Med Sci USSR, 6 pp

"Pediatriya" No 5

In 1947 Institute treated 30 children (age 4 months - 12 years) for meningitis, using Acad Shtern's method. Three recovered, 19 died, and

34/49T61

USSR/Medicine - Streptomycin (Contd) Sep/Oct 48

eight are still treated for chronic tubercular meningo-encephalitis. Describes course of disease, with special reference to a new clinical form unknown before use of streptomycin.

34/49T61

PECHUK, L.M., kandidat meditsinskikh nauk; SOKOLOVA, O.L.; MOSKACHEVA, K.A. kandidat meditsinskikh nauk

Effect of roentgen rays on tuberculin allergy in children. Prob. tub. no.5:28-32 S-O '54. (MIRA 7:12)

1. Iz detskoy tuberkuleznoy bol'nitsy Krasnogvardeyskogo rayona Moskvy (Glavnyy vrach Ye.S.Lebedeva)
(ROENTGEN RAYS, effects,
on tuberculin allergy in child.)
(TUBERCULIN,
allergy in child., eff. of x-rays)

KHVUL', R.M.; PECHUK, L.M.; FRIZMAN. M.O.

Antibacterial therapy of cavernous forms of pulmonary tuberculosis in children and adolescents. Ped., akush. i gin. 20 no.6:5-8 '58. (MIRA 13:1)

1. Detskiy tuberkuleznyy sanatoriy im. M. Gor'kogo (konsul'tant - kand.med.nauk L.M. Pechuk), Kiyev, Pushcha-Voditsa.
(TUBERCULOSIS)

PECHUK, V.; LAPIY, V.

Electronic level indicator. V pom. radioliub. no.11:57-64 '61.
(MIRA 15:6)
(Electronic apparatus and appliances) (Level indicators)

PECHUK, V. I.

Pechuk, V. I.
"Investigation of the Effect of the Leading Edge of a Profile on the Characteristics of the Stage of a Steam Turbine." Cand Tech Sci, Inst of Thermal Power Engineering, Acad Sci Ukrainina SSR, Kiev 1953. (Referativnyy Zhurnal--Mekhanika, Jan 54)

SO: SUM 168, 22 July 1954

PECHUK, V. I.

USSR.

Determination of temperature in an air current. K. A. Kutsin and V. I. Pechuk. *Trudy Inst. Teploenergetiki* 1913, No. 10, 78-85; *Referat. Zhur., Khim.* 1954, No. 49152.—The characteristics of thermocouples of various vestigation were prepd. by melting in an induction furnace pure Fe (Armco grade) and 99.2% pure Si. The compn. of the ferrosilicon averaged 53.4% Si. The heat content and heat capacity of this alloy were detd. in the standard manner in the temp. range 0-1200°. The results of the measurements indicate polymorphy of the ξ-phase with a definite elevation of the heat-content values at 908°. For temps. below 908° the following equations are valid: $\Delta H_t = H_T - H_{273.1} = -84.58 + 0.1635T + 10.59 \times 10^{-6} T^2 + 2588 T^{-1}$ and $C_{p,1} = 0.1635 + 21.18 \times 10^{-6} T - 2588 T^2$. For temps. above 908°: $\Delta H_t = H_T - H_{273.1} = -40.314 + 0.141T + 2625 \times 10^{-6} T^2$ and $C_{p,2} = 0.141 + 52.5 \times 10^{-6} T$.

M. O. Holowaty

YEREMENKO, A.S., kandidat tekhnicheskikh nauk; PECHUK, V.I., kandidat tekhnicheskikh nauk; PEDOSENKO, A.P., inzhener.

Measurement of parameters in a stream of steam. Trudy Inst.tepl.URSR no.12: 54-58 '55. (MIRA 9:7)
(Steam turbines) (Pressure (Physics)--Measurement)

PECHUK, V.I., kandidat tekhnicheskikh nauk.

Effect of the leading edge form of the blade profile on the flow trough blade passages of the turbine grids. Trudy Inst.teepl.URSR no.12:78-90 '55. (Blades) (MLRA 9:7)

PECHUK, V.I., kandidat tekhnicheskikh nauk.

Effect of the form of the leading edge of the blade on the evenness of velocity distribution in the exit section of a turbine cascade. Trudy Inst.tepl.URSR no.12:91-101 '55. (MLRA 9:7)
(Gas turbines--Aerodynamics)

PECHUK, V. I.

YEREMENKO, A. S.; PECHUK, V. I.

Experimental investigation of steam flow in turbines with staged speeds. Prykl. mekh. 2 no.1:80-91 '56. (MLRA 10:2)

1. Institut teploenergetiki Akademii nauk URSR.
(Steam turbines)

SOV/124-57-7-7754

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 7, p 40 (USSR)

AUTHORS: Yeremenko, A. S., Pechuk, V. I.

TITLE: Flow Investigation of Turbines With a Partial Steam Flow (Issledovaniye techeniya v turbinakh s partsial'nym podvodom para)

PERIODICAL: Sb. tr. In-ta teploenerg. AN UkrSSR, 1956, Nr 13, pp 60-73

ABSTRACT: Results are given of an experimental investigation made of a partial-steam-flow steam turbine having three velocity stages. Though the turbine tested was of impulse-type design, supersonic flow velocities caused compression shocks in the axial gaps of the stages, which resulted in a corresponding increase in the degree of reactivity. This latter, in the case of a partial-steam-flow turbine, leads to increased escape of steam through the radial and axial gaps of the stages. Hence, to increase the efficiency of a turbine having velocity stages, some degree of reactivity, and a partial steam flow, the authors recommend that these gaps be packed.

V. Kh. Abiants

Card 1/1

PECHUK, V.I.

Effect of the form of the leading edge of a blade profile on the efficiency of a turbine cascade. Trudy Inst.tepl.AN URSR no.13:74-84 '56. (MLRA 10:5)

(Turbines)

Pechuk, V. I.

124-11-12713

Translation from: Referativnyy Zhurnal, Mekhanika, 1957, Nr. 11, p 55 (USSR)

AUTHOR: Pechuk, V. I.

TITLE: To the Question of the Influence of the Blade Pitch in a Turbine Cascade on the Processes Occurring in the Flow near the Leading Edge of a Blade. (K voprosu o vliyanii shaga turbinnoy reshetki na protsessy, proiskhodyashchiye pri obtekanii vkhodnogo uchastka lopatki)

PERIODICAL: Sb. tr. In-ta teploenerg., A N SSSR, 1956, Nr. 13, pp 110-115

ABSTRACT: The results of an experimental investigation are presented, relative to the influence of the relative pitch in a plane turbine cascade on the formation of local diffuser sections at the leading edges of the blades. It is established that this influence is insignificant; a more decisive factor in the diffuser action appears to be a parameter equal to the ratio of twice the radius of curvature of the leading edge divided by the maximum thickness of the profile. An increase in the angle of attack is also conducive to a decrease in the intensity of the diffuser sections up to the stall of the flow over the dorsal portion of the profile under examination.

(V. Kh. Abiants)

Card 1/1

SHVETSOV, P.D.; PECHUK, V.I.

Aerodynamic investigation of the steam-passage system between the cylinders of high-capacity steam turbines. Trudy Inst.tepl. AN URSR no.14:122-133 '58. (MIRA 12:4)
(Steam turbines)

SHVETSOV, P.D.; PECHUK, Yu.I.

Aerodynamic investigation of auxiliary details of the blading section of high capacity steam turbines. Trudy ETIPP no.19:39-50 '58. (MIRA 12:12)

(Steam turbines)

PHASE I BOOK EXPLOITATION SOV/3598
SOV/31-M-14

Akademiya nauk UkrSSR. Institut teploenergetiki

Teploobmen i gidrodinamika (Heat Transfer and Hydrodynamics) Kiyev, 1958. 190 p. (Series: Its: Sbornik trudov, no. 14) 2,000 copies printed.

Eds. of Publishing House: Ya.L. Kaplan and N.M. Labinova; Tech. Ed.: M.I. Yefimova; Editorial Board: I.T. Shvets (Resp. Ed.), Academician, Academy of Sciences UkrSSR; G.M. Shchegolev (Deputy Resp. Ed.), Candidate of Technical Sciences; N.M. Koniak (Resp. Secretary), Candidate of Technical Sciences; V.I. Tolubinskiy, Corresponding Member, Academy of Sciences UkrSSR; I.I. Chernobyl'skiy, Doctor of Technical Sciences; M.M. Nazarchuk, Candidate of Technical Sciences; P.I. Lavrov, Candidate of Technical Sciences; P.D. Shvetsov, Professor; and N.M. Pyatyshkin, Candidate of Technical Sciences.

PURPOSE: This collection of articles is intended for scientific workers and technical personnel in the fields of heat transfer and hydrodynamics.

COVERAGE: This collection of 18 articles deals with experimental and theoretical studies of problems in heat transfer and hydrodynamics as they affect steam and gas turbines and heat-transfer devices. The results of theoretical investigations of heat transfer in turbine components and in elements of heat-utilizing apparatus are described, and new calculation methods are suggested. Several problems of the thermodynamics and aerodynamics of steam and gas turbines are discussed. References follow each article.

AVAILABLE: Library of Congress

Card 7/7

AC/pw/mh
7-29-60

PECHUK, V.I.

PHASE I BOOK EXPLOITATION SOV/3778

Ukrainian SSR. Gosudarstvennaya planovaya komissiya

Avtomatizatsiya i priborostroyeniye; sbornik nauchnykh trudov, vyp. 1. (Automation and Instrument Making; Collected Scientific Works, No. 1) Kiyev, Gostekhizdat USSR, 1959. 107 p. 3,000 copies printed.

Ed.: V. Demskiy; Tech. Ed.: K. Ousarov; Editorial Board: P.M. Mel'nik (Chief Ed.), N.T. Zharov, G.S. Kryshtab, I.A. Orlov, (Resp. Ed.), L.A. Zhoykhet, and N.V. Yarin.

PURPOSE: This collection of articles is intended for scientific and technical workers and for students of schools of higher education specializing in automation, telemechanics, and computing.

COVERAGE: The collection contains papers on the automation of metallurgical, chemical and power engineering and on the development of new instruments, telemechanical units, and a program control system for turret lathes. A bibliography on automatic analysis of solutions containing 86 items: 42 Soviet, 34 English, 5 German, 4 French and 1 Polish, is included. No personalities are mentioned.

AUTOMATION OF INDUSTRIAL PROCESSES

S/123/61/000/022/020/024
A004/A101

AUTHORS: Pechuk, V.I., Lapiy, V.A.

TITLE: Electronic level signaling device

PERIODICAL: Referativnyy zhurnal. Mashinostroyeniye, no. 22, 1961, 24, abstract 22E173 (V sb. "Avtomatiz. i priborostroyeniye", no. I, Kiev, Gostekhizdat UkrSSR, 1959, 61 - 64)

TEXT: The authors describe the principle of action, circuits and design of the level signaling device whose sensitive element is not in contact with the medium being measured. The device represents a 2-circuit quartz free self-excited oscillator. The anode circuit of the self-excited oscillator consists of a h-f inductance coil, adapter capacitance and coaxial cable with pickup which is inductively or capacitatively connected with the anode circuit coil. If the device is switched on, an electromagnetic h-f current field originates around the pickup. If the power lines of the field are crossed by any substance, a power drop occurs which is equivalent to the change in equivalent circuit resistance. If the pickup is approached to the medium being measured, the resonance frequency is changed, the phase balance in the grid and anode circuits is disturb

Card 1/2

Electronic level signaling device

S/123/61/000/022/020/024
A004/A101

ed, the anode-grid current is abruptly changed, and a relay starts operating which is connected into the circuit of the servomechanism. The necessary sensitivity of the device for materials with different loss magnitudes is ensured by selecting the generator frequency. The sensitive element can be placed in a jacket of refractory or insulating material or on the outer wall of the vessel. Tests of the device showed that it can be used for controlling the portioning and level measuring of aggressive, explosive and other liquids, as well as solid powdery and lump materials. The operating temperature is in the range of -60 ... +800°C, the sensitivity for liquids amounts to ± 0.5 mm and for solid bodies ± 5 mm. There are 6 figures.

A. Pavlovskiy

[Abstracter's note: Complete translation]

Card 2/2

KOROBKO, M.I., kand. tekhn. nauk, red.; INOSOV, V.L., red.; OLEFIR, F.F., red.; REZNIK, N.G., red.; PECHUK, V.I., red.; SHUMILOV, K.A., red.; PAVLENKO, V.N., red.

[Complete automation in steelmaking] Kompleksnaia avtomatizatsiia proizvodstva stali. Kiev, In-t tekhn. informatsii, 1963. 198 p. (MIRA 18:6)

1. Ukraine. Gosudarstvennaya planovaya komissiya. Institut avtomatiki.

L 5784?-65 EWT(1)/EEC(m)/EPR/EWA(h' Pe-4/Pq-4/Pe-4/P1-4 WW

ACCESS ON NR: AR5000570 S/0271/64/000/009/A024/A024

654.9

SOURCE: Ref. zh. Avtomat. telemekh. i vychisl. tekhn. Sv. t., Abs. 9A176

AUTHOR: Pechuk, V. I.; Savchenko, A. G.; Bessarabov, D. M.

TITLE: New electornic instruments for measuring the level of chemically aggressive liquids

CITED SOURCE: Sb. Avtomatiz. khim. proiz-v. Kiyev, Gostekhizdat USSR, 1964, 186-207

TOPIC TAGS: level gauge, liquid level gauge, level signaling device

TRANSLATION: Electronic signaling devices and level gauges based on the property of liquids to absorb h-f electromagnetic oscillation energy have been developed in the Automatics Institute, Gosplan UkrSSR. The principle of operation, design, and characteristics of SUE-1, SUE-2, SUE-3, and SUE-4 signaling devices and DSU-1 and DSU-2 servo-type level gauges are described. Those instruments permit measuring and signaling the level of liquids, grainy and lump materials at rather high temperatures (150--200C). Prolonged industrial tests of the above instruments have been successful. Eleven illustrations.

SUB CODE: IE, EC ENCL: 00

Card 1/1

NAGORNYY, L.Ya.; PECHUK, V.I.; SKRIPCHUK, V.Yu.; TOPOLEV, V.P.

Methods for reducing the dynamic error of tensometric scales.
Izm. tekh. no.12:15-17 D '63. (MIRA 16:12)

VENEDIKTOV, M.V., red.; PECHUK, V.I., red.; NECHAYEV, G.K., kand. tekhn. nauk, red.; RUDNYY, N.M., red.; RUDNAYA, A.I., kand. tekhn. nauk, red.; KUDRYAVTSEVA, R.G., otv. za vyp.; PAVLENKO, V.N., red.; BUREYEV, A.L., tekhn. red.

[Industrial control, equipment and the means of automatic control] Pribory promyshlennogo kontrolia i sredstva avtomatiki; doklady i soobshcheniia. Kiev, Gos.izd-vo tekhn. lit-ry USSR, 1963. 370 p. (MIRA 16:12)

1. Nauchno-tekhnicheskaya konferentsiya po priboram promyshlennogo kontrolya i sredstvam avtomatiki. 2. Institut avtomatiki Gosplana Ukr.SSR (for Nechayev).
(Automatic control)

PECHUK, V. I., kand. tekhn. nauk; NAGORNYY, L. Ya.[Nahornyi, L. IA.]; TARATUKHINA, G. P.[Taratukhina, H. P.]; PRADED-SADOVSKIY, D. D. [Pradied-Sadovs'kyi, D. D.]

Tensometric measurement of pressure. Khim. prom.[Ukr.] no.1: 47-52 Ja-Mr '62. (MIRA 15:10)

1. Institut avtomatiki Gosplana UkrSSR.

(Strain guages)

YEREMENKO, Aleksandra Semenovna, kand. tekhn. nauk; PECHUK, Vasiliy Ivanovich, kand. tekhn. nauk; GAZHEMAN, Ivan Lazarevich, inzh.; SHTEYNBOK, G.Yu., inzh., ved. red.; TOLCHINSKIY, Ye.M., red.; SOROKINA, T.M., tekhn. red.

[Stand for investigating aerodynamic processes in rotating models of turbine stages]Stend dlia issledovaniia aerodinamicheskikh protsessov vo vrashchaiushchikhsia modeliakh stupenei turbin. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 8 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 34. No.P58-48/5) (MIRA 16:3)
(Air turbines--Testing)

L 17094-65 EPA(s)-2/EWT(m)/EPF(n)-2/EWP(t)/EPA(bb)-2/EWP(b) Pt-10/Pu-4
WW/JD/JG

ACCESSION NR: AP4048733 Z/0034/64/000/011/0833/0833

AUTHOR: Jasinsky, Z. (Engineer); Puchula, V. (Engineer)

TITLE: Unit for electromagnetic stirring of liquid charge. [Czech Patent] No. 6269-63

SOURCE: Hutnicke listy, no. 11, 1964, 833

TOPIC TAGS: molten metal, metal stirring, electromagnetic stirring

ABSTRACT: A patent has been issued for an electromagnetic unit for stirring liquid metal, for instance, for use in an oxygen converter to facilitate and accelerate the removal of phosphorus and sulfur. The unit consists of two pairs of electromagnetic inductors 2,3 and 4,5 (see Fig. 1 of the Enclosure). By connecting certain inductors the molten metal can be rotated in direction a or b. With a programmed connection of individual inductors, an intensive stirring of molten metal is achieved. Orig. art. has: 1 figure.

ASSOCIATION: none

Card 1/3

L 17094-65

ACCESSION NR: AP4048733

SUBMITTED: 14Nov63 ENCL: 01 SUB CODE: MM

NO REF SOV: 000 OTHER: 000 ATD PRESS: 5149

Card 2/3

L 17094-65
ACCESSION NR: AP4046733 ENCLOSURE: 01

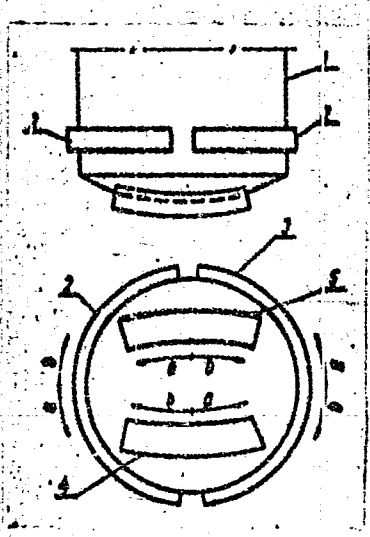


Fig. 1. Electromagnetic unit for stirring liquid metal

Card 3/3

PECHURA, S.S.

Intensified drying of plaster casts. Inform. biul. VDNKH no.2: 5-6 F '64. (MIRA 17:8)

1. Glavnyy spetsialist Gosudarstvennogo instituta po proyektirovaniyu predpriyatiy promyshlennosti stroitel'nykh materialov Gosstroya SSSR.