

AUTHOR: Kurosh, A.G. (Moscow) SOV/42-13-3-28/41
TITLE: Direct Decompositions in Algebraic Categories (Pryamyye
razlozheniya v algebraicheskikh kategoriakh)
PERIODICAL: Uspekhi matematicheskikh nauk, 1958, Vol 13, Nr 3, pp 239-240 (USSR)
ABSTRACT: The author considers very general categories, where the notion
of the summability of mappings is introduced, whereby the
summability of the homomorphisms of groups is generalized. To
the considered categories there belong all ordinary algebraic
categories. The notion of the direct decomposition with usual
properties can be introduced. As a starting-point of the
proposed theory there may serve the categories themselves or
one starts from the semiring of the mappings of an element of
the category itself. According to the author, in this last
case the theory is specially clear.

Card 1/1

SHMIDT, Otto Yul'yevich, akademik [deceased]; KUROSH, A.G., doktor fiz.-matem. nauk, otv.red.toma; GRIGOR'YEV, A.A., akademik, red.; DELONE, B.N., red.; KALASHNIKOV, A.G., doktor fiz.-matem.nauk, red.; KOZLOVSKAYA, S.V., red.; LEBEDINSKIY, A.I., doktor fiz.-matem.nauk, red.; LEVIN, B.Yu., doktor fiz.-matem.nauk, red.; MAL'TSEV, A.I., red.; KHIL'MI, G.F., doktor fiz.-matem.nauk, red.; SHEVELEV, M.I., general-leytenant, red.; POLENOVA, T.P., tekhn.red.

[Selected works; mathematics] Izbrannye trudy; matematika. Moskva, Izd-vo Akad.nauk SSSR, 1959. 315 p. (MIRA 12:2)

1. Chlen-korrespondent AN SSSR (for Delone, Mal'tsev).
(Groups, Theory of)

16(1)

PHASE I BOOK EXPLOITATION

SOV/3418

Kurosh, Aleksandr Gennadiyevich

Kurs vysshey algebry (Course in Higher Algebra) 6th ed., rev. and enl.
Moscow, Fizmatgiz, 1959. 431 p. 25,000 copies printed.

Ed.: A.P. Bayeva; Tech. Ed.: K.F. Brudno.

PURPOSE: This book is intended for advanced mathematics students.

COVERAGE: This sixth edition has been revised and enlarged to include material for a textbook covering an entire university course in higher algebra. The book conforms to the program for the course in higher algebra introduced at Moscow University three years ago. New chapters added deal with the following aspects: group theory, linear algebra, theory of linear spaces, theory of Euclidian spaces, theory of λ -matrices and the Jordan normal form of a matrix. The author suggests the following usage of the book: 1st semester, Chapters 1 - 5; 2nd semester, Chapters 6 - 9; 3rd semester, Chapters 10, 11, 13, and 14. No personalities are mentioned. There are 39 Soviet references.

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Course in Higher Algebra

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AVAILABLE: Library of Congress

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AC/mas
4-27-60

GOR'KOV, Yu.A.; CHERNIN, K.Ye.; BITYUTSKOV, R.S.; ~~KUROSH, A.G.~~
glavnyy red.; BITYUTSKOV, V.I., red.; BOLTYANSKIY, V.G., red.;
DYNKIN, Ye.B., red.; SHILOV, G.Ye., red.; YUSHKEVICH, A.P.,
red.; AKHLAMOV, S.N., tekhn.red.

[Forty years of mathematics in the U.S.S.R., 1917-1957; in two
volumes] Matematika v SSSR za sorok let, 1917-1957; v dvukh
tomakh. Moskva, Gos.izd-vo fiziko-matem.lit-ry. Vol.2.
[Biobibliography] Biobibliografiia. 1959. 819 p. (MIRA 12:9)
(Mathematicians)

PHASE I BOOK EXPLOITATION

SOV/3882

Matematika v SSSR za sorok let, 1917-1957, tom 2: Biobibliografiya
(Mathematics in the USSR for Forty Years, Vol 2: Biobibliography) Moscow,
Fizmatgiz, 1959, 819 p. Errata slip inserted. 6,000 copies printed.

Eds.: A. G. Kurosh (Chief Ed.), V. I. Bitvutskov, V. G. Boltyanskiy, Ye. B.
Dynkin, G. Ye. Shilova, and A. P. Yushkevich; Tech. Ed.: S. N. Akhlanov.

PURPOSE: This book is intended for mathematicians and science historians.

COVERAGE: This is the second of a two-volume work. It contains contributions
of Soviet mathematicians for the period 1917-1957 and was compiled by
Yu. A. Gor'kov. Ke. Ye. Chernin wrote the part pertaining to the approxi-
mation method and "machine" mathematics. This includes bibliographic
material from "Mathematics in the USSR for 15 Years" and "Mathematics in
the USSR for 30 Years". A significant part of the bibliographic material
has been checked against lists of works sent to the editor by various
scientists. The authors are presented in alphabetical order, while the
works of each author are arranged chronologically. At the end of the book
is a list of the basic mathematical journals of the world. Some 22,000
titles of works of more than 3,600 authors are given (in "Mathematics in
the USSR for 30 Years", there are about 7,000 works and 1,300 authors).

Card 1/2

Mathematics in the USSR (Cont.)

SOV/3832

The book emphasizes those works which are important either for the mathematical methods presented in them or for their statement of mathematical problems. As a rule, no publications on mathematical methodology and pedagogic literature are included; the latter is represented only by existing university textbooks. In addition to the bibliographic material, the book contains a large amount of biographic data on Soviet mathematicians. This biographic material was assembled by R. S. Bityutskova, mainly on the basis of information sent to the editor. The book also gives information on reviews of the works of Soviet scientists in journals and articles from "Mathematics in the USSR for 30 Years", "Mathematics in the USSR for 15 Years", and from the first volume of the present work, "Mathematics in the USSR for 40 Years", referred to in the book by the following symbols respectively: M-XV, M-XXX, and M-XL.

TABLE OF CONTENTS: None given.

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KUROSH, A.G.

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PHASE I BOOK EXPLOITATION

SOV/3177

Matematika v SSSR za sorok let, 1917-1957. tom 1: Obzornyye stat'1
(Mathematics in the USSR for Forty Years, 1917-1957). Vol 1:
Review Articles) Moscow, Fizmatgiz, 1959. 1002 p. 5,500 copies
printed.

Eds: A. G. Kurosh, (Chief Ed.), V. I. Bityutskov, V. G. Bdtyansky,
Ye. B. Dynkin, G. Ye. Shilova, and A. P. Yushkevich; Ed. (Inside
book): A. F. Lapko; Tech. Ed.: S. N. Akhlamov.

PURPOSE: This book is intended for mathematicians and historians
of mathematics interested in Soviet contributions to the field.

COVERAGE: This book is Volume I of a major 2-volume work on the
history of Soviet mathematics. Volume I surveys the chief con-
tributions made by Soviet mathematicians during the period 1947-
1957; Volume II will contain a bibliography of major works since
1917 and biographic sketches of some of the leading mathema-
ticians. This work follows the tradition set by two earlier
works: Matematika v SSSR za pyatnadtsat' let (Mathematics in
the USSR for 15 Years) and Matematika v SSSR za tridtsat' let

Card 1/18

Mathematics in the USSR (Cont.)

SOV/3177

(Mathematics in the USSR for 30 Years). The book is divided into the major divisions of the field, i.e., algebra, topology, theory of probabilities, functional analysis, etc., and contributions and outstanding problems in each discussed. A listing of some 1400 Soviet mathematicians is included with references to their contributions in the field.

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KUROSH, A.G.

Direct decompositions in algebraic categories. Trudy Mosk.
mat.ob-va 8:391-412 '59. (MIRA 13:2)
(Algebra, Abstract)

16(1)

AUTHORS: Aleksandrov, P.S., and Kurosh, A.G. SOV/42-14-1-24/27

TITLE: International Congress of Mathematicians at Edinburgh (Short Information) (Mezhdunarodnyy kongress matematikov v Edinburge)

PERIODICAL: Uspekhi matematicheskikh nauk, 1959, Vol 14, Nr 1, pp 249-253 (USSR)

ABSTRACT: This is a short report on the Edinburgh-Congress. Soviet members of delegation: A.D. Aleksandrov (Leningrad), P.S. Aleksandrov (Moscow), N.N. Bogolyubov (Moscow), I.N. Vekua (Moscow), I.M. Vinogradov (Moscow), B.V. Gnedenko (Kiyev), N.I. Muskhelishvili (Tbilisi), L.S. Pontryagin (Moscow), T.A. Sarymsakov (Tashkent), S.L. Sobolev (Moscow), A.L. Shaginyan (Yerevan). The members of delegation A.N. Kolmogorov, M.A. Lavrent'yev, I.G. Petrovskiy could not participate. Tourists (delegated by the Academy of Sciences of the USSR): A.V. Bitsadze (Moscow), L.V. Keldysh (Moscow), O.A. Ladyzhenskaya (Leningrad), D. Ye. Men'shov (Moscow), Yu. A. Mitropolskiy (Kiyev), Ye. F. Mishchenko (Moscow), P.S. Novikov (Moscow), O. A. Oleynik (Moscow), Yu. V. Prokhorov (Moscow), S. Kh. Sirazhdinov (Tashkent), K. A. Sitnikov (Moscow), Yu. M. Smirnov (Moscow), V. A. Statulyavichus (Vil'nyus), D. A. Suprunenko (Minsk), I. R. Shafarevich (Moscow). Tourists (delegated by the Ministry of Higher Education of the USSR): N. K. Bari (Moscow), V. V. Vagner (Saratov),

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International Congress of Mathematicians at
Edinburgh (Short Information)

SOV/42-14-1-24/27

A.G.Kurosh (Moscow), S.G.Mikhlin (Leningrad), V.V.Nemytskiy (Moscow), N.P.Romanov (Tashkent). Lectures announced by V.I. Arnol'd, Yu.V.Linnik, A.A.Markov, I.G.Petrovskiy, Ye.M.Landis have been read by other speakers. The lectures of N.A.Akhiyezer, I.M.Gel'fand, M.G.Kreyn, S.N.Chernikov have not been delivered.

Card 2/2

16(1)

AUTHOR: Kurosh, A.G.

SO7/42-14-2-12/19

TITLE: Algebra at the Edinburgh Congress

PERIODICAL: Uspekhi matematicheskikh nauk, 1959, Vol 14, Nr 2, pp 239-242 (USSR)

ABSTRACT: This is a report on papers dealing with algebra at the Edinburgh Congress. The author mentions the investigations of S.A. Chunikhin, A.I. Kostrikin, B.I. Plotkin, P.S. Novikov, A.I. Shirshov, V.A. Andrunakievich, L.A. Skorniyakov. The author and D.A. Suprunenko participated in the congress. The author regrets that S.N. Chernikov could not participate in the congress. He also regrets the absence of M. Hall, Kaplansky, and other representatives of the western world. The author welcomes the contacts with B. Neumann, P. Hall, Jacobson, Eilenberg and others.

Card 1/1

SHMIDT, Otto Yul'yevich [deceased]; LEBKEDINSKIY, A.I., doktor fiz.-matem. nauk, otv.red.toma; LEVIN, B.Yu., doktor fiz.-matem.nauk, otv.red.toma; KHIL'MI, G.F., doktor fiz.-matem.nauk, otv.red.toma; KALASHNIKOV, A.G., doktor fiz.-matem.nauk, red.; GRIGOR'YEV, A.A., akademik, red.; DELONE, B.N., red.; KOZLOVSKAYA, S.V., red.; KUROSH, A.G., doktor fiz.-matem.nauk, red.; MAL'TSEV, A.I., akademik, red.; SHEVELEV, M.I., general-leytenant, Geroy Sovetskogo Soyuza, red.; NOVICHKOVA, N.D., tekhn.red.; KASHINA, P.S., tekhn.red.

[Selected works; geophysics and cosmogony] Izbrannye trudy; geofizika i kosmogoniya. Moskva, Izd-vo Akad.nauk SSSR, 1960. 209 p.
(MIRA 14:1)

(Cosmogony) (Geophysics)
(Schmidt, Otto IUL'evich, 1891-1956)

SHMIDT, Otto Yul'yevich, akademik [deceased, 1891-1956]; GRIGOR'YEV, A.A., akademik, otv.red.toma; SHEVELEV, M.I., general-leytenant, Geroy Sovetskogo Soyuzs, otv.red.toma; DELONE, B.N., red.; KALASHNIKOV, A.G., doktor fiz.-matem.nauk, red.; KOZLOVSKAYA, S.V., red.; KUROSH, A.G., doktor fiz.-matem.nauk, red.; LEBEDINSKIY, A.I., doktor fiz.-matem.nauk, red.; LEVIN, B.Yu., doktor fiz.-matem.nauk, red.; MAL'TSEV, A.I., akademik, red.; KHIL'MI, G.F., doktor fiz.-matem.nauk, red.; MEYEROVICH, O.V., red.izd-va; KASHINA, P.S., tekhn.red.

[Selected geographical works] Izbrannye trudy; geograficheskie raboty. Moskva, Izd-vo Akad.nauk SSSR, 1960. 212 p.

(MIRA 13:11)

1. Chlen-korrespondent AN SSSR (for Delone).
(Schmidt, Otto Iul'yevich, 1891-1956)
(Arctic regions)

KUROSH, A.G.

Free sums of algebras with multiple operators. Sib.mat.zhur. 1
no.1:62-70 My-Je '60. (MIRA 13:11)
(Operators (Mathematics))

KUROSH, A.G.

Correction to the article "Direct decompositions in algebraic
categories." Trudy Mosk.mat.ob-va 9:562 '60. (MIRA 13:9)
(Algebra, Abstract)

KUNGSN, A.G.; MVSATIS, A.I.D.; SIAI' MIA, Ye.S.

Fundamentals of the theory of... Usp. mat. nauk 15
no. 3:3-52 1-D '10. (MIRA 14:2)
(...)

KUROS, A. G. [Kurosh, A. G.]; LIVSIT, A. H. [Livshits, A. Kh.];
SULGHEIFER, E. G. [Shul'geyfer, Ye. G.]

Fundamentals of the theory of categories. Tr. from the Russian.
Analele mat 15 no.4:35-84 Q-D '61.

(Groups, Theory of)
(Logic, Symbolic and mathematical)

KUROSH, A.G.

Radicals in the theory of groups. Dokl. AN SSSR 141 no.4:789-791
D '61. (MIRA 14:11)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
Predstavleno akademikom P.S. Aleksandrovym.
(Groups, Theory of)

KUROSH, Aleksandr Gennadiyevich; GOLOVIN, O.N., red.; BRUDNO, K.F.,
tekhn. red.

[Lectures on general algebra] Lektsii po obshchei algebre.
Moskva, Gos. izd-vo fiziko-matem. lit-ry, 1962. 396 p.
(MIRA 15:4)

(Algebra)

KUROSH, A.G.

Radicals in the theory of groups. Sib.mat.zhur. 3 no.6:912-931
N-D '62. (MIRA 15:11)
(Groups, Theory of)

KUROSH, A.G.

The Moscow Mathematical Society during the past third of a century.
Usp. mat. nauk 20 no.3:10-18 My-Jo '65.

(MIRA 18:6)

KUROSH, N.

Training school. Sov.profsoiuzy 7 no.4:26-27 Fe '59.
(MIRA 1215)

1. Profgruporg obuvnoy fabriki "Skorokhod."
(Shoemakers)

GRECHUKHIN, Ye.M., inzh.; BURDICH, V.D., inzh.; BAYDIN, E.S., inzh.; BAYDIN,
V.I., inzh.

Registering the characteristics of a compressor in a gas turbine
system. Energomashinstroenie 10 no.6:40-42 Ja '64.

(MIRA 17:9)

L 4335-55 EST(d)/EWT(m)/EWF(f)/EPP(n)-2/T-2/EG(16)46

ACC NR: AP0012273

SOURCE CODE: UR/0114/65/000/011/0040/0044

AUTHOR: Kovalevskiy, M. M. (Engineer); Revzin, B. S. (Engineer); Kurosh, V. D. (Engineer); Gorshkov, V. N. (Engineer); Yakhnis, V. A. (Engineer)

ORG: none

TITLE: Experimental bench tests for developments of the GT-6-750 gas turbine installation at the Ural Turbine Plant

SOURCE: Energomashinostroyeniye, no. 11, 1965, 40-44

TOPIC TAGS: gas turbine, gas turbine engine test

ABSTRACT: The authors describe the basic stages in bench-testing a pilot model for the GT-6-750 gas turbine installation at the Ural Gas Turbine Plant. This 6000 kw unit was designed as a power drive for gas line compressor stations. The design of the installation is described in issue No. 7 of this same publication. Bench-testing and finishing operations, which included making new turbine blades, required 15 months. Participating in the tests were the Central Boiler and Turbine Institute im. I. I. Polzunov, the Institute of Technical Thermophysics AN UkrSSR and other organizations. The characteristics of the axial compressor and the high- and low-pressure turbines are given together with a description of tests on the installation as a whole. A diagram is given showing the temperature field of the turbine under nominal operating

UDC: 621.438.001.5

Card 1/2

L 24855-66

ACC NR: AP6012273

conditions. The results of tests to determine the dynamic stresses in the working blade are discussed. The system used for sealing the internal bearing is described and its advantages and disadvantages are noted. The methods used for testing the vibration level and other physical and mechanical parameters are discussed and resultant data are given. These data were used for perfecting the design of the machine as well as for updating the drawings for mass production, and are now being used for designing new gas turbine installations. Orig. art. has: 4 figures.

SUB CODE: 2/1⁵³ SUBM DATE: 00/ ORIG REF: 003/ OTH REF: 000

Card 2/2 *dda*

L 3h6h-66 EMT(m)/ENP(v)/EWA(f)/EWA(d)/ENP(v)/T-2/ENP(t)/ENP(k)/ENP(z)/ENP(b)/
ETC(m) EM/MJW/JD/W
ACCESSION NR: AP5024137

UR/0096/65/000/010/0047/0051 79
621.438.542.46.001.5 73
E

AUTHOR: Dyba., Ye. P. (Candidate of technical sciences); Stradomskiy, M. V.;
Khavin, V. Yu.; Shvets, I. T. (Academician AN UkrSSR); Kurosh, V. D. (Engineer)

TITLE: Experimental investigation of the GT-6-750 turbine cooling system

SOURCE: Teploenergetika, no. 10, 1965, 47-51

TOPIC TAGS: turbine design, hydraulics, turbine cooling, thermodynamics/
GT-6-750 turbine

ABSTRACT: The newly developed cooling system for the rotor¹⁶ of a GT-6-750 high pressure turbine was investigated. Six tests were made on the temperature state of the rotor and 11 on the hydraulic characteristics of the cooling system. Cooling system efficiency was evaluated from measurements of metal temperature and cooling air pressure under steady state cooling conditions. Results of the measurements shown graphically, demonstrate that, with an overall consumption of cooling air of 0.86 kg/sec. and an initial gas temperature of 750C, there is assured a maximum temperature level not higher than 410C over the disc plates. This is substantially lower (by 100-110C) than the permissible value for heat resistant perlitic steel type EI-415. With this system, the main body of heat is
Card 1/2

L 3464-66
ACCESSION NR: AP5024137

6

removed from the upper part of the disc plate. Thus, heating up of the main body of the rotor proceeds very rapidly and steady state conditions are attained within 45-50 min after startup. The radial and axial temperature gradients are within permissible limits. In general, the highest temperature gradients over the thickness of a disc amount to 110C and are attained after 40 minutes from the start of heating. Orig. art. has: 5 figures

ASSOCIATION: Institut tekhnicheskoy teplofiziki AN UkrSSR (Institute of Industrial Thermophysics, AN UkrSSR); Ural'skiy turbomotornyy zavod (Ural Turbine Motor Plant)

SUBMITTED: 00

ENCL: 00

SUB CODE: PR

NR REF SOV: 000

OTHER: 000

Card 2/2 EP

KUROSH, V. G.

KUROSH, V. G. - "Tissue Therapy in Conjunction with Vitamins B₁ and C in Inflammatory Gynecological Diseases." Acad Sci Latvian SSR, Inst of Experimental Medicine, Riga, 1955 (Dissertations for Degree of Candidate of Medical Sciences)

SO: Knizhnaya Letopis' No. 26, June 1955, Moscow

KUROSH, V. G.

Use of Furadonin in the treatment of the gynecologic sick having inflammation. Preliminary report. In Russian. p. 131.

LATVIJAS PSR ZINATNU AKADEMIJA. VESTIS. RIGA, LATVIA. No. 7, 1959

Monthly List of East European Accessions. (EEAI) LC, Vol. 9, no. 2, Feb. 1960 Uncl.

KUROSH, V.G., dotsent

The use of tissue therapy in conjunction with vitamins B₁ and C in gynecological patients with inflammatory diseases and sterility. Sov.med. 23 no.6:117-122 Je '59. (MIRA 12:9)

1. Iz kafedry akusherstva i ginekologii (zav. - prof.P.L.Shub) Rzhnskogo meditsinskogo instituta (dir. - prof.K.M.Burtnek).
(GYNECOLOGICAL DISEASES ther.)
(STERILITY, FEMALE ther.)
(TISSUE THERAPY)
(VITAMIN B 1 ther.)
(VITAMIN C ther.)

KUROSZYCKI, W.

Problem of selecting the kind of ceiling for a building built of large-sized slabs.

p. 274
Vol. 27, no. 8, Aug. 1955
PRZEGLAD BUDOWLANY
Warszawa

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 2
Feb. 1956

KURTOHENKO, V.

Russia - Industries

Utilize fully the reserves of industrial productive capacity, Plan. khoz., No. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

KUROTCHENKO, V.I.

Telomoting of the water level in irrigation systems with natural
flow. Izv. AN Kir. SSR. Ser. est. i tekhn. nauk 1 no. 4:135-148 '59.

(MIRA 14:4)

(Irrigation)

KUROTCHENKO, V.I.

Measurement of coercive force in ferrate cores with rectangular
hysteresis loops. Izv.AN Kir.SSR.Ser.est.i tokh.nauk 3 no.6:59-
69 '61. (MIRA 15:11)
(Remote control) (Electromagnets) (Ferrates--Testing)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000927730007-6

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000927730007-6"

institute in the region of the irrigation
in the Krasnodarskiy irrigation district. Orig. art. has: 6 figures, 2 tables.

"APPROVED FOR RELEASE: 06/19/2000

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APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000927730007-6"

ACCESSION NR: AR4014939

S/0271/63/000/012/A018/A018

SOURCE: RZh. Avt., tel. 1 vy*chisl. tekhnika, Abs. 12A119

AUTHOR: Kurotchenko, V. I.

TITLE: Electronic pulse converter for conversion circuits

CITED SOURCE: Sb. Radioizotopn. metody* avtomat. kontrolya. T. 1. Frunze, AN Kirg SSR, 1963, 193-208

TOPIC TAGS: automatic control circuit, conversion circuit, pulse converter, electronic pulse converter

TRANSLATION: The author describes the circuit of a slave generator using semiconductor triodes with high temperature stability and a wide range of variation of the phase angle between pulses. The generator is intended for use in conjunction with conversion circuits with elements with a rectangular hysteresis loop in industrial control devices using nuclear radiation. The generator contains an inverted dynamic trigger which operates as a voltage discriminator. Equivalent circuits and a detailed time analysis of generator operation are included. Eleven illustrations. Bibliography with eight titles. B.U.

Card 1/2

ACCESSION NR: AR4014939

DATE ACQ: 09Jan64

SUB CODE: GE

ENCL: 00

Card 2/2

ACCESSION NR: AT4035424

B/0000/63/000/000/0399/0405

AUTHOR: Kurotchenko, V. I.; Babanin, N. I.

TITLE: A noncontact code-pulse telemetering device

SOURCE: Vsesoyuznoye soveshchaniye po ferritam i po beskontaktny*m magnitny*m elementam avtomatiki. 3d, Minsk. Ferrity* i beskontaktny*ye elementy* (Ferrites and noncontact elements); doklady* soveshchaniya. Minsk, Izd-vo AN BSSR, 1963, 399-405

TOPIC TAGS: automation, control system, automatic control, telemetering, noncontact telemeter, code pulse telemeter

ABSTRACT: A noncontact telemetering system was developed at the Laboratoriya telemekhaniki Insituta avtomatiki AN Kirgizskoy SSR (Laboratory of Telemechanics, Institute of Automation, Academy of Sciences of the Kirghiz SSR). The device, BKU-60, intended for telemetering the axial angular displacement in multirotating primary measuring instruments consists of a receiving assembly (Fig. 1 in the Enclosure) and a transmitting semiassembly (Fig. 2). The former includes a feeder (F), a pulse-shaper (PS), a single-pulse-shaper (SPS), a linear cell (LC), a pulse distributor (PD), a coincidence circuit(CC), a decoder (D), a reading device (R), a distorted code execution arrester (A), a tube-failure distortion arrester (TA), and an execution permitting unit (P). The latter includes the primary measuring

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ACCESSION NR: AT4035424

Instrument (PI), an induction coding convertor (IC), a pulse distributor (PD), a linear cell (LC), a feeder (F), and a pulse-shaper (PS). A call pulse, shaped by the single pulse shaper, is sent into the communication line by pressing the "telemeter call" button, and the receiving pulse distributor is simultaneously activated to convey pulses to the parallel coincidence circuit. At the controlled site the call pulse actuates the transmitting pulse distributor which picks up the code set by the induction coding convertor. The linear cell sends the code over the communication line to the linear cell and the parallel coincidence circuit of the receiving end which actuates the corresponding decoder cores, and pulses from the decoder actuate the commuting triggers of the counter, producing the final figure on the table. Orig. art. has: 5 figures.

ASSOCIATION: none

SUBMITTED: 04Dec63

DATE ACQ: 07May64

ENCL: 02

SUB CODE: IE

NO REF SOV: 000

OTHER: 000

Card 2/4

S/271/63/000/004/026/025

L 12244-63
 AFCE Pg-4/PK-4/PC-4/Pq-4
 EWI(d)/FCC(w)/BDS ASD/
 GG/IJF(C)

70

AUTHOR: Kurotchenko, V. I.

TITLE: Concerning an engineering method for computing induction code-conver-
ters ^{h^c}

PERIODICAL: Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya
 tekhnika, no. 4, 1963, 66, abstract 4A400 (KyrgSSR Ilinder Akad.
 kabarlary. Tabiyat taannu zhana tekhn. ser., Izv. AN KirgSSR. Ser.
 yestestv. i tekhn. n.; 1962, 4, no. 8, 85-98 (Kirgiz resume)

TEXT: In measuring angular displacements, wide use is made of induction code-
 converters (ICC), which convert the angle of the rotation directly into code. The
 principle of operation of these devices consists in altering the transformation
 coefficient of the coding elements. There are two types of ICC. In the first type,
 the code is formed by a profile disk or cylinder from a nonmagnetized conductive
 material which enters into the clearance of the separated magnetic circuits of the
 transformer. Depending upon the angle of rotation, the proper combination of cores
 is screened. In the ICC of the second type, use is made of a transformer with
 separated magnetic circuits of Π - and Γ -form in cross-section. The choice of
 code is accomplished by closed magnetic circuits situated on a nonmagnetic drum.

Card 1/2

L 12244-63

Concerning an engineering

S/271/63/000/004/026/025

Type-2 ICC possess a higher signal-noise ratio (8 - 10) and it can be raised to 80 - 90 by magnetic means. Computing an ICC of this type by the balance of powers method is suggested. The computation is considerably simplified with exclusion from the equivalent circuit of parasitic capacities and active resistances of the transformer windings. The accuracy of the analytical expressions obtained is quite sufficient for practical engineering purposes. There are 4 illustrations and a bibliography of 11 items. A. S.

[Abstracter's note: Complete translation]

bm/al

Card 2/2

L 12246-63 EWT(d)/FCC(w)/SDS AFFTC/ S/271/63/000/004/024/045
ASD/ESD-3/AFGC Pg-4/Pk-4/Po-4/Pq-4 GG/IJP(C)

AUTHOR: Kurotchenko, V. I. 174

TITLE: New circuits for certain aggregates of noncontact control systems 9

PERIODICAL: Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya tekhnika, no. 4, 1963, 62, abstract 4A387 (KyrgSSR Ilimler Akad. Kabarlary. Tabiyat taanuu zhana tekhn. ser., Izv. AN KirgSSR. Ser. yestestv. i tekhn. n.; 1962, 4, no. 8, 69-83; Kirgiz resume)

TEXT: A number of devices are proposed, in which use is made of ferrites with rectangular hysteresis loop (RHL) and transistors. This circuit, delineating synchronizing pulses from noise pulses, consists of a flip-flop¹² on transistors, input circuit possessing integrating properties, and a transformer on a coil on a core with RHL. The circuit selects pulses on the basis of duration. In general form, an analysis is given of the influence of the parameters of the circuit on its operation. In a second circuit selecting pulses on the basis of duration, use is made only of a transformer on a coil with RHL, and a condenser. The boundary value of the pulse duration in this case is only slightly dependent upon the amplitude. The author presents circuits for decipherers built upon a core with RHL, which give out pulses on the output winding only in case a single definite code combination

Card 1/3₂

L 12246-63

S/271/63/000/004/024/045

New circuits for

arrives at their input. A decipherer is constructed with a successive two-phase shift register with diode-capacity bonds between the cores. The reaction of the circuit to a definite code is determined by means of joining the shift windings of different cores among themselves. The author discusses a commutator for incandescent lamps of digital counting device. The commutator re-creates its condition following short-term feed shut-off thanks to memory of the flip-flop conditions of the cores with RHL. The commutator has a protection which signalizes an incorrect condition in the lamps.

Card 2/2

U 12245-63

BDS

S/271/63/000/004/025/025

AUTHOR: Kurotchenko, V. I. and Babanin, N. I.

51
49

TITLE: Telemetering of angular displacement with high accuracy

PERIODICAL: Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya tekhnika, no. 4, 1963, 63, abstract 4A388 (Kyrg SSR Ilinder Akad. kabarlary. Tabiyat taannu zhana tekhn. ser., Izv. AN Kirg SSR. Ser. yestestu. i tekhn. n.; 1961, 3, no. 6, 35-58; Kirgiz resume)

TEXT: The authors describe the BKU-60 telemetering device, which is constructed on noncontact elements; it is intended for measuring water horizons in irrigation systems. The angle of rotation of the drum axis of the float device for measuring the water horizon is converted into a binary code with the help of an induction code converter, which consists of drums with adjoining magnetic circuits and commutating transformers. The latter are collected on disconnected U - shaped cores having three windings. Depending upon the angle of rotation of the drum, the order of closure of the magnetic circuits of the transformers is measured, and a definite code combination is received from the output of the device. In addition, the transmitting subassembly includes: a linear element, a pulse distributor, a pulse shaper,

Card 1/2

S/Z11/63/000/004/025/045

L 12245-63

Telemetering of angular /

and a power pack. In the receiving subassembly is a transistorized decipherer with noncontact elements with rectangular hysteresis loop, and a digital indicator on low-power incandescent lamps. To transmit the readings, any communication channel may be used. The results of measurement are reflected in a 5-digit decimal number. The error of the system does not exceed 0.1%. The BKU-60 model differs from the BKU-60 in that the power supply for the transmitting subassembly is derived from a dispatcher point by negative half-cycles of AC of industrial frequency; these activate the units of the device and recall of the results of measurement. Counting and transmission are effected on negative half-cycles of the feed voltage. S. S.

[Abstracter's note: Complete translation]

bm/it
Card 2/2

S/271/63/000/003/018/049
A060/A126

AUTHORS: Kurotchenko, V.I., Babunin, M.I.

TITLE: Realization of the principle of stepwise synchronization in contactless telemechanical systems

PERIODICAL: Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel'naya tekhnika, no. 3, 1963, 70, abstract 3A401 (Izv. AN KirgSSR. Ser. yestestv. i tekhn. n., 1962, v. 4, no. 8, 51 - 67; summary in Kirgiz)

TEXT: It is indicated that in contemporary Soviet contactless systems for concentrated objects of types БТЦ-58 ЦЕННИКА, АН СССР, ТМЭ-1 ВНИИЭ (БТЦ-58 ЦЕННИКА, АН СССР, ТМЭ-1 ВНИИЭ)-electric switchboard and others one usually uses time-sharing of channels and equal capacity of distributors on the dispatcher and slave points. It is asserted that for decentralized objects it is more economic to use a combinatorial distributor method with synchro-synphase switching of distributors on dispatcher and slave points. A grid, cyclic, and stepwise synchronization is possible. Stepwise synchronization used for instru-

Card1/2

Relaization of the principle of stepwise

S/271/63/000/003/018/049
AC60/A126

ments BKT-61 (EKT-61) of the Institute of Automation, AN (KirgSSR) is analyzed in detail. Schematic diagrams are shown. There are 10 references.

S. V.

[Abstracter's note: Complete translation]

Card 2/2

L 00081-66 SMT(d)
ACCESSION NR: AR5013611

UR/0271/65/000/004/A048/A048
62-52:681.142.621

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika. Svodnyy tom, Abs. 4A308

AUTHOR: Kurotchenko, V. I. 20

TITLE: Investigation of magnetic characteristics of the material for reading transformers of an induction encoder

CITED SOURCE: Sb. Beskontakn. sistemy telemekhan. i avtomat. kontrolya. Frunzo, Ilim, 1964, 52-60

TOPIC TAGS: encoder, encoder material, readout device

TRANSLATION: Operation of reading transformers of an induction encoder is considered. The results are reported of an investigation of selecting the optimal characteristics of readout transformers depending on the type of material, airgap, and shape of the core. These conclusions are offered: (1) the low-permeability square-loop alloys are most suitable for fixed-airgap encoder cores; (2) the magnetic-circuit shape must be as close to rectangular as possible. In addition, use of simplified design formulas is recommended. Bibl. 7, figs. 7.

Card 1/1 SUB CODE: DP

ENCL: 00

KUROTCHEENKO, V.I.; MAKOVSKII, E.E. [Makovskiy, E.E.]

Automation and telemechanization of irrigation systems.
Khidrotekh i melior 9 no.10:305-306 '64.

KUROTCHENKO, V.I.; MAKOVSKIY, E.E.

Automation and remote control in irrigation systems. Vest. AN
SSSR 34 no.12:22-23 D '64 (MIRA 18:1)

1. Institut avtomatiki AN Kirgizskoy SSR.

L 3092-66 EWT(d)/FSS-2/EEC(k)-2/EED-2/EWA(c). IJP(c) BC

ACCESSION NR: AR5013613

UR/0271/65/000/004/A067/A068
621.398.5/6:621.398.9

25
B

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika. Svodnyy tom, Abs. 4A435

AUTHOR: Kurotchenko, V. I.; Babanin, N. I. 44

TITLE: Principles of constructing contactless remote-control systems for scattered plants

CITED SOURCE: Sb. Beskontaktn. sistemy telemekhan. i avtomat. kontrolya. Frunze, Ilim, 1964, 3-14

TOPIC TAGS: remote control system 9 11

TRANSLATION: A review of contactless remote-control systems in the USSR since 1949 is presented. Most practical systems use the distribution method of selection with an a-c supply-network synchronization. However, the application of this method to the scattered plants results in a considerable structural redundancy as the number of elements in the distributors at the dispatcher's and peripheral stations becomes too large. With more than four local stations, a mixed

Card 1/2

L 3092-66

ACCESSION NR: AR5013613

coding-and-distributor method of selection, which cuts down the number of distributing elements, is recommended. In this case, selection of local station is effected by code, and selection of plant, by distributor. Such systems are widely used abroad. Principal specifications on a complex remote control system for irrigation purposes are formulated. Bibl. 19.

SUB CODE: IS

ENCL: 00

lab
Card 2/2

L 15794-66 EWT(1)/EWA(h)
ACC NR: AT5028945 (A)^{SS}

SOURCE CODE: UR/0000/63/000/000/0193/0208

AUTHOR: Kurotchenko, V. I.

ORG: none

TITLE: Electronic pulse counting systems

SOURCE: *Ybesoyuznyy seminar po primeneniyu radioaktivnykh izotopov v izmeritel'noy tekhnike i priborostroyeni.* Frunze, 1962. *Radiatsionnaya kontrol'nyy apparat dlya kontrolya* (Radioisotope methods of automatic control); trudy rasshirennogo soveshchaniya, v. 1. Frunze, Izd-vo AN KirgSSR, 1962, 203-209

TOPIC TAGS: pulse counter, scintillation counter, thyatron

ABSTRACT: The characteristics of B-2, BK-3, PK-10A, PK-1000, PSK-1, PS-10000, PK-10A, Volna, R-2 pulse counting systems are described. Counting speeds range between 2000 and 80,000 pulses per second. The counters are binary, decimal, and binary-decimal. They use vacuum tubes, neon lamps, transistors, or cold cathode thyratrons. Gas discharge tubes serve as detectors. It is claimed that systems employing vacuum tubes have the highest counting rate capability. A new system is

Card 1/2

2

L 15794-66

ACC NR: AT5028945

presented which employs a ring counter, containing rectangular hysteresis magnetic materials. The basic properties of this type of counter are high reliability, low sensitivity to external influences (e. g., temperature variation, memory capability, simplicity and compactness.) The (transistorized) circuitry is contained in the pulse generator and pulse amplifier. Pulse widths can be varied over a range of 20-1000 microsec. Orig. art. has: 11 figures, 1 table, 33 formulas.

[Handwritten scribbles and markings]

Card 2/2

L 23170-66 EWT(m)/EWA(h) GS

ACC NR: AT5028346

(N)

SOURCE CODE: UR/0000/63/000/000/0209/0217

AUTHOR: Shumilovskiy, N. N.; Kurotchenko, V. I.; Krasnoborodkina, T. A.

1/0

ORG: none

23+1

TITLE: A programmed dosimeter for modulated radioactivity

SOURCE: Vsesoyuznyy seminar po primeneniyu radioaktivnykh izotopov v izmeritel'noy tekhnike i priborostroyenii. Frunze, 1961. Radioizotopnyye metody avtomaticheskogo kontrolya (Radioisotope methods of automatic control); trudy rasshirennogo soveshchaniya, v. 1. Frunze, Izd-vo AN KirgSSR, 1963, 209-217

TOPIC TAGS: radiation dosimeter, radioactivity measurement, pulse counting

ABSTRACT: An industrial test model of a programmed dosimeter constructed in the laboratories of the Institute of Automation of the AN KirgizSSR is described. The dosimeter measures radiation levels by pulse counting techniques and signals the moderators to modulate or control radioactivity levels. Block diagrams of a system proposed by the IAT AN SSSR were used with some modifications. A complete explanation of the principles of operation and a block diagram of the dosimeter are

Card 1/2

L 23170-66

ACC NR: AT5028946

given. The pulse distribution amplifier, blocking oscillator, logic and program circuitry, and memory block are described. The circuits are temperature stabilized and work over a broad, unspecified temperature range. No conclusions are drawn other than to note that the system worked reliably in the laboratory. Orig. art. has: 6 figures.

SUB CODE: 06,18/

SUBM DATE: 21Mar63/

ORIG REF: 005/

OTH REF: 000

Card 2/2 *ULR*

L 10001-67 EMP(k)/EMP(d)/EMP(h)/EMP(l)/EMP(v) IJP(c) GG/BB/FBN/GD
ACC NR: AT6023308 (N) SOURCE CODE: UR/0000/65/000/000/0167/0172

AUTHOR: Kurotchenko, V. I. (Frunze); Babanin, N. I. (Frunze)

ORG: none

TITLE: Multichannel discrete telemetric device with digital output

SOURCE: Vsesoyuznaya konferentsiya po avtomaticheskomu kontrolyu i metodam elektricheskikh izmereniy. 5th, Novosibirsk, 1963. Avtomaticheskii kontrol' i metody elektricheskikh izmereniy; trudy konferentsii. t. I: Metody elektricheskikh izmereniy. Tsifrovyye izmeritel'nyye pribory. Elementy izmeritel'nykh sistem (Automatic control and electrical measuring techniques; transactions of the conference. v. 1: Electrical measuring techniques. Digital measuring instruments. Elements of measuring systems). Novosibirsk, Izd-vo Nauka, 1965, 167-172

TOPIC TAGS: analog digital encoder, error correcting code, analog digital conversion, telemetry, telemetry equipment, telemetry system, telemetry technique

ABSTRACT: An angular magnetic shaft encoder, capable of directly generating BCD shaft position information in five-digit words was designed for high reliability telemetry. The shaft encoder is the heart of an error-correcting receiver-transmitter remote monitoring system designed for the oil industry, irrigation, power plants, etc. The multi-turn shaft encoder consists of an indexing mechanism which allows the input shaft to

Card 1/2

L 10005-67

ACC NR: AT6023388

assume any one of ten discrete angular positions (a gear mounted on the shaft indexed by two electromagnets); a mechanical decade transfer mechanism; and several encoding drums. The input shaft rigidly connects the indexing gear to the first encoding drum, while the higher order drums are driven by the transfer gears. The encoder drums are made of nonmagnetic material with four magnetic conductors imbedded in them. Each drum rotates within a stator formed by five counting transformers with shaped cores, the open end of which faces the drum. Each transformer has a primary and a secondary winding. A signal is generated in the secondary whenever the position of a magnetic conductor in the drum coincides with the location of a particular transformer. A unique five-digit code is generated for each of the ten positions of the input shaft. Identical code is generated by all decade encoders. The overall telemetry system, developed for up to 200 km, is described in some detail and a block diagram is included. Orig. art. has: 4 figures.

SUB CODE: 09,17/ SUBM DATE: 20Sep65/ ORIG REF: 005

Card 2/2 *W*

86943

S/019/60/000/018/021/170
A152/A029

9.7140

AUTHOR: Kurotchenko, V.I.

TITLE: A Discriminator

PERIODICAL: Byulleten' izobreteniy, 1960, No. 18, p. 22

TEXT: Class 21a¹, 36. No. 131781 (625630/26 of April 16, 1959). This code group discriminator includes positive and negative pulses and is built around contactless elements. It is distinguished by the following special feature: in order to simplify its circuit, a ferrite-diode register with an RC filter is used, one winding of which is connected up into the line, the second supplied the timing voltage, the third, fourth and fifth are interconnected via diodes, and the sixth winding constitutes the output winding.

J

Card 1/1

87629

S/019/60/000/022/126/161
A156/A026

9.7150

AUTHORS: Babanin, N.I., and Kurotchenko, V.I.

TITLE: A Decoding Device for Code Combinations Containing Two
"Unities"

PERIODICAL: Byulleten' izobreteniy, 1960, No. 22, p. 51

TEXT: Class 42m, 14. No. 133683 (659475/26 of Mar 21, 1960). This is a device consisting of a register built around push-pull ferro-diode cells, an input switch, a distributor, and transistorized coincidence circuits. In order that its register may be used as decoder, the time windings are connected to the emitter register cells switch, the coincidence circuits and the triode collectors whose bases are connected, in turn, to the distributor outputs. ✓

Card 1/1

6,7800
9,8000

86978

S/019/60/000/018/080/170
A152/A029

AUTHOR: Kurotchenko, V. I.

TITLE: A Device for Continuously Checking Electroconductive Liquid Level

PERIODICAL: Byulleten' izobreteniy, 1960, No. 18, p. 44

TEXT: Class 42e, 39. No. 131915 (648041/26 of December 22, 1959). This is a servosystem incorporating a reversible electric capacitor motor that moves a carriage with two electrodes of different lengths. It has the following special feature: in order to increase the reliability of this device by means of contactless control over the motor, one of its windings is directly connected to an a-c network, whereas the other is connected into the diagonal of a bridge formed by two resistors and two inductive reactors, in such a way that the current value and direction in the diagonal is determined by the position of electrodes with regard to the liquid.

Card: 1/1

4x

KISSR

Rpt 26 Nov 60

KUROTCHEIKO, V., Scientific Associate, Institute of Automation, AS KISSR;
and

SABANIN, N., Scientific Associate, Institute of Automation, AS KISSR,
have developed a new contactless, code-impulse telemetering system
based on magnetic elements. "Laboratory tests have shown that such a
system can successfully be used for controlling the work of entire
chemical and metallurgical enterprises, oil refineries, electric power
stations, and irrigation installations. Next year, the first such
~~kind~~ remote control system will be installed at one of the republic's
largest hydroelectric stations".

Izvestiya, 27 Nov 60

as

S/019/62/000/015/007/039
A154/A126

10,000

AUTHOR: Kurotchenko, V.I.

TITLE: A decoder for few-command remote-control systems

PERIODICAL: Byulleten' izobreteniy, no. 15, 1962, 24

TEXT: Class 21c, 4650. No. 149140 (659946/26 of March 25, 1960). 1) In order to detect and realize the command code, this decoder for few-command remote-control systems is made up of a ferrite-diode distributor built around magnetic elements with a rectangular hysteresis loop, and a linear-pulse shaper. The timing windings of the distributor are split up into two groups: in the first group, which is hooked up to the local AC network, the windings are located on the distributor cores corresponding to the zero values in the code, while in the second group, which is connected to the linear-pulse shaper, the windings are located on the cores corresponding to the unity values in the code. 2) This is a variant of the decoder described in 1. In order to use a code with polar attributes, the distributor cores corresponding to the units of the code are connected to the linear devices via separating diodes.

✓
B

[Abstracter's note: Complete translation]

Card 1/1

KUROTCHEENKO, V. I.

myt

Rpt 15 Apr 65

KISSR

KUROTCHEENKO, V. I., Chief, Telemechanics Laboratory, Institute of Automation, AS,
KISSR, is consoled by a notice in source on the death of his father, Ivan
Fedorovich Kurotchenko.

Sovetskaya Kirgiziya, 15 Apr 65

(1)

KUROTCHENKO, V.S., kandidat ekonomicheskikh nauk.

Specialization and cooperation in the machinery industry in the sixth five-year plan. Standartizatsiia no.6:3-8 N-D '56.

(MLRA 10:1)

1. Gosekonomkomissiya SSSR.
(Machinery industry)

KUROTCHENKO, Vasilii Stepanovich; OSADA, Petr Akimovich; BEREZNOY, N.I.,
spets. red.; KALMYK, V.A., red.; LISOV, V.Ye., red.; KHOLIN, I.A.,
red.; GERASIMOVA, Ye.S., tekhn. red.

[Methodology for calculating the productive capacity of an industrial
enterprise] Proizvodstvennaia moshchnost' promyshlennogo predpriatiia;
metodika rascheta. Moskva, Gos.izd-vo planovo-ekon. lit-ry, 1961.
279 p.

(Industrial capacity)

KUROTIN, Vladimir Ivanovich, inzh.-podpolkovnik; STERLIGOV, Vladimir
~~Leonidovich, inzh.-major; SHIRYAYEV, N.P., inzh.-major, red.;~~
KUZ'MIN, I.F., tekhn. red.

[Homing guidance of rockets] Samonavedenie raket. Moskva,
Voenizdat, 1963. 87 p. (MIRA 16:9)
(Guided missiles--Guidance systems)

KUROV, A.A. [deceased]; KUROV, B.A.; SHUTYY, L.R., kandidat tekhnicheskikh nauk; retsenzent; CHAMOV, A.N., inzhener, redaktor; PONOMAREVA, K.A., inzhener, redaktor; TIKHONOV, A.Ya., tekhnicheskiy redaktor

[The automobile] Avtomobil'. Izd. 2-e, isprav. i dop. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroitel'noi lit-ry, 1955. 608 p.
(Automobiles) (MLPA 8:6)

AUTHOR: KUROV; A.A.
Kurov, A. A.

25-10-21/41

TITLE: Horizontal Electronograph (Gorizonta'l'nyy elektronograf)

PERIODICAL: Nauka i Zhizn', 1957, # 10, p 50 (USSR)

ABSTRACT: At the All-Union Industrial Exhibition a new horizontal electronograph was demonstrated. This device provides for a wide space between the substance to be investigated and the photo lamina (700 mm) a fact, which makes it possible to take 13 x 18 cm size photographs and, together with minute focusing of electrons by means of magnetic lenses, guarantees the high efficiency of the device. The so-called interplanar spacing of the atoms plays a decisive part. Modern electronographs are able to "feel" the space between the net-planes which equals 0,001 angstrom.

The electronograph operates at a voltage of 70 volt. Two screens are installed in front of the photo-sensitive layer which serve for limiting the size of the photo. In cases where a preparation of a thin film of the substance to be investigated is not possible and consequently electrons cannot pass through the substance, a method for taking pictures "by reflection" is applied. The substance to be investigated is placed in such a way that the electrons hit its plane surface under a very low sliding angle. The defraction picture in this case will only be a semi-picture since half of the photo sensitive layer is

Card 1/2

Horizontal Electronograph

25-10-21/41

screened by the substance. Amorphous and glass-like substances are investigated in the form of thin films and give a defraction picture which represents higly diffusive rings.

ASSOCIATION: Crystallographical Institute of the USSR Academy of Sciences
(Institut kristallografii Akademii nauk SSSR)

AVAILABLE: Library of Congress

Card 1/2

KUROV, H-I.

NASAKIN, T.H.; KUROV, A.I.:

Means of eliminating seasonal aspect of the operation of vegetable
dehydrating plants. Kons. i ov. prom. 13 no.3;1-3 Mr '53.

(MIRA 11:4)

1. Gosplan RSFSR.
(Vegetables, Dried) (Milk, Dried)

KUROV, B. A.

High compression carbureter engines.

Moskva, Gos. nauch.-tekhn. izd-vo mashinostroit. lit-ry, 1943. 78 p.
(49-56731)

TL210.K85

KUROV, B. A.

"Performance Investigation of the Inlet Pipelines of Carburetor Engines."
Thesis for degree of Cand. Technical Sci. Sub 19 Nov 49, Scientific Council
of the State Sci Res Order of the Labor Red Banner Automobile and Automotive Inst

Summary 82, 18 Dec 52, Dissertations Presented For Degrees in Science and Engineering
in Moscow in 1949. From Vochernyaya, Jan-Dec 1949

KUROV, A.A.; KUROV, B.A.; ABRAMOVICH, A.D., inzhener, redaktor;
MODEL', B.I., tekhnichaskiy redaktor;

[Automobile] Avtomobil'. Moskva, Gos.nauchno-tekhn.isd-vo
mashinostroit.lit-ry, 1951. 450 p. (MLRA 8:10)
(Automobiles)

KUROV, B.A., kandidat tekhnicheskikh nauk.

Forming fuel mixture in an engine carburator. Avt.trakt.pron.no.5:7-12 My
'53. (MLRA 6:5)

1. Nauchnyy avtomotorny institut.

(Carbureters)