

LYUBASHEVSKAYA, A.L.

The "Sickle and Hammer" Plant in Kharkov is an outstanding manufacturer of diesel engines. Inform. biul. VDNKH no.8:5-7 Ag '63. (MIRA 17:8)

1. Glavnyy inzh.-metodist pavil'ona "Mashinostroyeniye" na Vystavke dostizheniy narodnogo khozyaystva SSSR.

LYUBASHEVSKAYA, A.L.; MARGOLIN, B.R.; NENASHEV, K.G.; FAL'KO, O.S.,
red. izd-va; DEMKINA, N.F., tekhn. red.

[Motor vehicle engines and their modifications] Avtotraktornye
dvigateli i ikh modifikatsii. Moskva, Mashgiz, 1962. 74 p.
(MIRA 15:9)

(Motor vehicles--Engines)

S/119/62/000/012/004/009
D201/D308

AUTHOR: Lyubashevskiy, G.S.

TITLE: A new electronic correcting regulator with flexible feedback

PERIODICAL: Priborostroyeniye, no. 12, 1962, 14-17

TEXT: The author describes the new ЭКП-2 (EKP-2) type of electronic correcting regulator, used in cascaded automatic control systems as an automatically acting device for the adjustment of the process to be controlled. The regulator consists of a series connected input transformer, a first amplifier stage, a limiter and a second amplifier stage, with negative feedback between the first and second amplifier stages, consisting of the amplifier and a flexible feedback element. The latter is in the form of a half-wave demodulator of the amplified output voltage. The output has six identical output terminals, which makes it possible for 1 to 12 subsidiary regulators, with input impedances not less than 200 ohms each, to be connected to the correcting regulator. The static regulator

Card 1/2

A new electronic ...

S/119/62/000/012/004/009
D201/D308

characteristic and its time response are nearly ideal. There are
7 figures. ✓

Card 2/2

LYUBASHEVSKIY, G. S.

New electronic correction regulator with an elastic feedback.
Priborostroyeniye no.12:14-17 D '62. (MIRA 16:1)

(Electronic instruments)

GOL'DIN, B.M.; LYUBASHEVSKIY, L.S.

Quantitative characteristics of individual flash floods in the
Crimea. Trudy UkrNIGMI no.30:94-96 '61. (MIRA 15:1)
(Crimea--Floods)

LYUBASHEVSKIY, S.S.

USSR/Engineering - Hydraulics, Structures, Dec 51

"Constructing and Mounting Metal Equalizing Towers for Medium-Head Installations," S. S. Lyubashevskiy, Engr

"Gidrotekh Stroi" No 12, pp 19-22

Describes improved method, developed by Engr M. T. Martynov, for welding tower shell by substituting crossing joints for usual butt joints. This was realized by placing rings of rigidity on edge of each shell section. Method, eliminating

200795

USSR/Engineering - Hydraulics, Structures (Contd) Dec 51

horizontal welds on vertical surface, makes possible automatic welding and decreases costs of mounting works by 15%.

200795

MARTYNOV, M. T., Engineer; LYUBASHEVSKIY, S. S.

Water Pipes

Automatic welding of pipe line installations. Gidr. stroi. 21 no. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, August 1952 UNCLASSIFIED.

LYUBATOR, Yu.V.

25(2); 16(0)

PHASE I BOOK EXPLOITATION

SOV/2594

Akademiya nauk SSSR. Institut mashinovedeniya. Seminar po tochnosti v mashinostroyenii i priborostroyenii

Trudy, vyp. 8 (Transactions of the Institute of Mechanical Engineering, Academy of Sciences, USSR. Seminar on Accuracy in Machinery and Instrument Design; No. 8) Moscow, Izd-vo AN SSSR, 1955. 78 p. 1,800 copies printed.

Ed. of Publishing House: V.V. Pobedimskiy; Tech. Ed.: Ye.V. Makuni;
Editorial Board: N.G. Bruyevich, Academician (Resp. Ed.); G.G. Baranov, Doctor of Technical Sciences; M.L. Bykhovskiy, Candidate of Technical Sciences; A.P. Vladziyevskiy, Candidate of Technical Sciences, I.Ye. Gorodetskiy, Doctor of Technical Sciences; and A.S. Shatalov, Doctor of Technical Sciences.

PURPOSE: The collection of papers is intended for scientific research workers, engineers, and designers.

COVERAGE: This collection of articles deals with the following topics: an application of the principle of virtual displacements in kinematics, accumula-

Card 1/4

Transactions (Cont.)

SOV/2594

tion of errors in gear trains, design of a wire-rope drive, interpretation of functions with many variables by using adding, multiplying, and simplest functional units, form inspection of circular parts, and design of gyroscopic verticals for accuracy. No personalities are mentioned. References follow several of the articles.

TABLE OF CONTENTS:

<u>Lyubator, Yu.V.</u> Application of the Principle of Virtual Displacements in the Determination of Scalar Errors in Positions of Mechanisms	3
The effect of linear and angular errors on the ratio of a mechanism is investigated by using the principle of virtual displacements. The mechanism is assumed to be in equilibrium under a certain imaginary loading. The use of the method is illustrated by several examples. The method can also be applied to planar and space mechanisms with lower and higher pairs.	
Partenskiy, B.M. On the Problem of Accumulating Errors of Tooth Gears in Gear Trains	18

Card 2/4

Transactions (Cont.)

80V/2594

The article explains the possible ways in which the accumulation of errors of single gears in a gear train can occur. Simple formulas which can be used as criteria are presented.

Sergeyev, V.I. Design of a Wire Rope Transmission for Accuracy 26
Specific features of design for accuracy are discussed, and formulas for calculating errors for a single transmission and for a number of transmissions of the same design are presented. The effect of thermal expansion is also discussed.

Pinsker, I.Sh. Presentation of Functions of Many Variables by Using Adding Multiplying, and the Simplest Functional Devices 35
The author presents a number of methods for expanding a given function into different combinations of functions with one or one and two variables. The methods are applicable to cases in which the given functions have two and three variables. Adders, multipliers, and simple functional devices are used.

Fil'kin, V.P. Problem of Inspection for Roundness of Parts of Circular Cross Section 52

Card 3/4

Transactions (Cont.)

SOV/2594

This article discusses checking geometrical errors in round parts by the two- and three-point method with different angles of contact.

Sergeyev, V.I. Some Problems in Designing Gyroscopic Verticals for Accuracy 64
The effect of moments to which a gyroscopic vertical is subject and which affect its characteristics are discussed. Formulas derived permit the calculation of mathematical expectations and the range of angles of precession for gyroscopic verticals with linear correction, as well as free ones.

AVAILABLE: Library of Congress

Card 4/4

GO/jb
12-19-59

LYUBATOV, Yu.V.

Calculating the precision of computing mechanisms having one degree
of mobility. Trudy Inst. mash. Sem. po toch. v mash. i prib. no.10:
66-77 '57. (MIRA 11:1)

(Calculating machines)

LyubATov, Yu.V.

25(2); 9(7) P.3

PHASE I BOOK EXPLOITATION

SOV/3128

Akademiya nauk SSSR. Institut mashinovedeniya. Seminar po tochnosti v mashinostroyeni i priborostroyeni

Trudy, vyp. 13 (Transactions of the Institute of Mechanical Engineering, USSR Academy of Sciences. Seminar on Precision in Machine Building and Instrument Construction, Nr 13) Moscow, 1959. 61 p. 2,500 copies printed.

Ed. of Publishing House: D.M. Ioffe; Tech. Ed.: I.N. Guseva; Editorial Commission: N.G. Bruyevich, Academician (Resp. Ed.), G.G. Baranov, Doctor of Technical Sciences, M.L. Bykhovskiy, Doctor of Technical Sciences, A.P. Vladziyevskiy, Doctor of Technical Sciences, B.G. Dostupov, Doctor of Technical Sciences; M.I. Kochenov, Candidate of Technical Sciences, Yu.V. Lyubotov, Candidate of Technical Sciences, D.N. Reshetov, Doctor of Technical Sciences, V.I. Sergeyev, Candidate of Technical Sciences, A.S. Shatalov, Doctor of Technical Sciences

Card 1/4

Transactions of the Institute (Cont.)

SOV/3128

PURPOSE: This collection of articles is intended for scientists working in the field of computers and electronics.

COVERAGE: This collection of articles was originally read at a seminar of the Academy of Sciences on the topic of accuracy in machine and instrument building. Individual articles treat measuring and computing devices. No personalities are mentioned. References follow each article.

TABLE OF CONTENTS:

Chekhanadskiy, N.A. On Some Problems of Theoretical Probability Analysis of Static Errors of Measuring Systems and 3
The author discusses some questions of terminology /derives an expression for the total error of a measuring system, giving particular cases of application of the obtained formulas, namely, when the external excitations are absent, when the external excitations are stationary random functions of time, and when the external excitations are constant magnitudes.

Matevosyan, P.A. Determining Power and Direction of Energy Flow in Connections of Complex Devices
The author gives methods for determining the number of degrees of freedom, and for determining forces and direction of energy flow in connection of complex systems.

Card 2/4

Transactions of the Institute (Cont.)

SOV/3128

Lyubator, Yu. V. Investigation of Errors in Methods in Sighting Systems
With Movable Speculae

28

The author presents a universal way of determining methodic errors and parallaxes in an optical system with speculae in pencil beams, which almost eliminates the possibility of an error.

Kogutov, R.I. Some Problem of Increase of the Accuracy of Bar - type
Computing Devices

34

The author derives a formula for determination of error of the mechanism in the case of adjustment by two parameters; determines the limit derivations of the mechanism error, taking into consideration adjustment by one, and by two parameters; also determines the error of the selected adjustment method; shows the adjustment of an tangential mechanism by two parameters, elimination of plays and clearances in kinematic couples, and the effect of plays on the accuracy of the mechanism

Bykhovskiy, M.L. Accuracy of Electric Circuit With Electron Tubes,
Operating Under Large-Signal Conditions

53

Card 3/4

Transactions of the Institute (Cont.)

SOV/3128

The author discusses the error in circuit output voltage, due to the errors in the linear system, and to the errors in tube characteristics.

AVAILABLE: Library of Congress

Card 4/4

VK/gmp
4-22-60

LYUBATOV, Yu.V.

Calculating the accuracy of computing mechanisms with two degrees
of freedom. Trudy Inst. mash. Sem. po toch. v mash. i prib. no.12:
12-23 '59. (MIRA 12:6)
(Calculating machines) (Mechanical movements)

LYUBATOV, Yu. V.

Investigating methodical errors in sighting systems with movable mirrors. Trudy Inst. mash. Sem. po toch. v mash. i prib. no.13: 28-33 '59. (MIRA 13:3)

(Optical instruments--Testing)

Lyubotov, Yu. V.

MAKING BOOK ESTIMATION 500/1517
malimostroyeniye i priborostroyeniye. Seminar po tochnosti v

Lyubov, Yu. V. (Transactions of the Institute of Machine Science, Academy of Sciences USSR. Seminar on Accuracy in the Design and Instrument Manufacture, no. 14) Moscow, 1960. 64 p. Khrushchovskaya, 2, 300 copies printed.
Bilalov, B. G., Baryshchik (Resp. Ed.), Academician G. D. Petrov, Doctor of Technical Sciences; M. L. Gorbunov, Doctor of Technical Sciences; A. P. Radetskiy, Doctor of Technical Sciences; G. D. Postupov, Doctor of Technical Sciences; M. I. Kochanov, Candidate of Technical Sciences; Ya. V. Ignatov, Candidate of Technical Sciences; D. M. Rehbunov, Doctor of Technical Sciences; V. I. Kirgizov, Candidate of Technical Sciences; and A. S. Shadrin, Doctor of Technical Sciences; Ed. of Publishing House P. X. Zolotov; Techn. Kll. 1 546. Moscow.

REPORT: This collection of articles is intended for scientific workers and design engineers.

SYNOPSIS: The book contains articles dealing with the accuracy of the reading mechanism in a test-particle selector for the dial-telephone system, with bridge-type computing and measuring devices, with calculation of allowances for turbine blades, and with investigations of linear electric circuits and accuracy in automatic modeling of bearing rings. No personal data are mentioned. References accompany each article.

Author: Lyubov, Yu. V. Methods of Check Calculations of Tolerances for Turbine-Rotor Blades. 14

A method is presented for calculating dimensional tolerances and for determining physical-mechanical properties for turbine-rotor blades in order to insure the natural dynamic frequency of the blades in a speed range far enough from the operating speed to avoid resonance. Analytical and experimental methods for determining the values of partial derivatives of blade equilibria and vibration magnification coefficients (depending on the extent of clearance, on physical-mechanical changes of blades on their own, on properties of the material, etc.) are described.

Author: Lyubov, Yu. V. Method of Determining Errors in Linear Electric Circuits With Resistive Elements. 19

The main errors arise from the difference between nominal and actual values of parameters. The author presents an analytical method for determining coefficients showing the influence of errors and its derivatives in respect to (various parameters) on the functioning of linear resistive circuits.

Author: Lyubov, Yu. V. Investigation of Some Accuracy Problems in the Design of a Self-Excited Relay on Transfer Machine. 25

The author examines (by means of mathematical simulation) the transfer relation between errors of the following and preceding operations in complex systems of relay of external relay of rolling-cone self-excited relays. It is shown to be the first attempt to describe complete analytical models of systems for the operation of a group of self-excited relays used for the modeling of rings.

Author: Lyubov, Yu. V. Investigation of Some Accuracy Problems in the Design of a Self-Excited Relay on Transfer Machine. 25
Cord VA
TK/lyubov
10-5-60

PHASE I BOOK EXPLOITATION

SOV/4701

Lyubатов, Yuriy Vadimovich

Funktsional'nyye vychislitel'nyye mekhanizmy; osnovy rascheta i proyektirovaniya
(Functional Computing Mechanisms; Fundamentals of Calculation and Design)
Moscow, Oborongiz, 1960. 161 p. 8,300 copies printed.

Sponsoring Agencies: Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya
RSPSR; Moskovskiy ordena Lenina aviatsionnyy institut imeni Sergo Ordzhonikidze.

Ed.: S. I. Bumshteyn, Engineer; Managing Ed.: A. S. Zaymovskaya, Engineer;
Ed. of Publishing House: A. P. Starykh; Tech. Ed.: V. P. Rozhin.

PURPOSE: The book is intended for students in schools of higher education specializing in the field of instrument production. It may also be of use to industrial personnel who work in the field of computing techniques.

COVERAGE: The book deals with the theory and engineering design of mechanical analog computing devices which are used in various control systems. Problems

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Functional Computing Mechanisms; (Cont.)

SOV/4701

of computing the accuracy of these devices and methods of securing their required accuracy are explained. An example of the engineering design of three mechanisms for realizing functions of one and two variables is presented. The book is an outgrowth of a course that has been presented at the Moskovskiy aviatsionnyy institut imeni Sergo Ordzhonikidze (Moscow Aviation Institute imeni Sergo Ordzhonikidze) and it also utilizes the author's own experience in this field. It was not possible to cover all the pertinent material in this book, but the book does provide a broad background in computer technology and also furnishes a good foundation for the more advanced courses in this field. The author thanks Docent I. F. Seregin and Senior Scientific Worker V. I. Sergeyev, Candidates of Technical Sciences, for examining the manuscript and for their valuable suggestions. He also thanks all the members of the department for their help in preparing the manuscript for publication. There are 26 references: 25 Soviet (including 2 translations), and 1 German.

Card ~~2/5~~

LYUBATOV, Yu.V.

Determining errors in linear electric circuits with ohmic cells.
Trudy Inst.mash.Sem.po toch.v mash.i prib. no.14:69-75 '60.
(MIRA 13:7)

(Electric circuits)

SERGEYEV, Vladimir Ivanovich; PUGACHEV, V.S., doktor tekhn.nauk,
prof., retsenzent; LYUBATOV, Yu.V., kand. tekhn.nauk,
dots., retsenzent; KOTOV, V.A., red.izd-va; GUSEVA, A.P.,
tekhn. red.

[Fundamentals of the instrument accuracy of electromechanical
networks; supplementary to regulation and control devices] Os-
novy instrumental'noi tochnosti elektromekhanicheskikh tsepei
v prilozhenii k priboram upravleniia i kontroliia. Moskva,
Izd-vo Akad. nauk SSSR, 1963. 214 p. (MIRA 16:7)
(Electronic control)

ACCESSION NO: AT3002154

S/2916/63/000/017/0089/0097

AUTHOR: Lyubotov, Yu. V.

TITLE: Optimization of one method of detecting faults in a complex system

SOURCE: AN SSSR. Institut mashinovedeniya. Trudy. Seminar po tochnosti v mashinostroyanii i priborostroyanii, no. 17, 1963, 89-97

TOPIC TAGS: fault detection, dynamic search programming, complex system fault searching, optimum search method, error searching technique

ABSTRACT: An optimum fault-searching technique for a complex system of N blocks with 1 to N faults was considered. Assumptions: time for one block test = t_i , time for total system test = t , t_i is independent of order of tests, faulty block instantly replaced. The concepts of dynamic programming were applied to find the optimum test procedure to obtain a minimum searching time. To apply the results, the blocks have to be renumbered as follows: $\frac{t_1}{p_1} \leq \frac{t_2}{p_2} \leq \dots \leq \frac{t_n}{p_n}$ (where p_i -

probability that block i is defective). Then three cases can be considered:

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ACCESSION NO: AT3002154

(1) $\frac{t_n}{p_n} < t$; (2) there is a block $m \leq N-1$ for which $\frac{t_1}{p_1} \leq \frac{t_2}{p_2} \leq \dots \leq \frac{t_m}{p_m} < t$;

$\frac{t_{m+1}}{p_{m+1}} \geq t$; (3) $\frac{t_1}{p_1} \geq t$. In the first case all blocks should be checked in an arbitrary order, and then the whole system should be checked. In the second and third cases (third case can be included in the discussion by using a "zero" block $t_0 = 0, p_0 \neq 0$ and setting $m = 0$) the first m blocks are checked without a system check, regardless of whether faults are found or not. After this a system check is performed. If it is negative blocks $m + 1, m + 2 \dots$ are checked, but a system check is used every time a fault is found. The expected time required for a complete system check-out was derived as

$$T = \sum_{i=1}^m t_i + \sum_{i=m+1}^N (1 - Q_i) t_i + \left(\sum_{i=m+1}^N p_i + 1 \right) t_0$$

$$Q_i = (1 - p_1)(1 - p_2) \dots (1 - p_N)$$

total time is $T = \sum_{i=1}^N t_i + t_0$ (where $t_0 = 0$). For the first case the
 Orig. art. has: 20 formulas.

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ACCESSION NO: AT3002154

ASSOCIATION: AN SSSR. Institut mashinovedeniya (AN SSSR. Machine Science Institute)

SUBMITTED: 00

DATE ACQ: 10May63

ENCL: 00

SUB CODE: CP

NO REF SOV: 002

OTHER: 002

Card 3/3

LYUBATOV, Yu.V.

(Moskva)

Efficient planning of search operations. Izv. AN SSSR Tekh.
kib. no.1:94-100 Ja-F' 64 (MIRA 17:8)

ACCESSION NR: AP4044819

S/0280/64/000/004/0019/0026

AUTHOR: Lyubotov, Yu. V. (Moscow)

TITLE: Optimal procedure for locating a defect in a modular RF electronic system

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 4, 1964, 19-26

TOPIC TAGS: defect localization, module system, module system checking, module system defect, RF electronic system, automatic system testing

ABSTRACT: The paper considers the problem of locating a single (permanent or intermittent) defect in an RF electronic system consisting of independent "modules". A graphoanalytic procedure for checking such a system which minimizes the mean time necessary to locate the module which failed is developed by analyzing a mathematical model containing (1, 2, ..., n) unreliable modules and assumed to be operable only when all the modules are operational. A failure of the system is assumed to be detected instantaneously. It is also assumed that dependent failures can only take place within one module. Thus, the system fails when one of its modules becomes defective. As an example, this procedure is applied to a system consisting of five

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ACCESSION NR: AP4044819

modules. The paper also considers the case when the system failure is not definitely known. Then, the optimal sequence of checking the modules depends substantially on the probability of detecting an intermittent failure in a single test. The results obtained can be used directly for programming automatic testing devices. The graphoanalytic method proposed permits construction of an optimal procedure for testing a system with almost no computations. Orig. art. has: 40 formulas, 1 figure and 1 table.

ASSOCIATION: none

SUBMITTED: 25Dec63

ENCL: 00

SUB CODE: EC

NO REF SOV: 002

OTHER: 001

Card 2/2

LYUBATSKIY, V. Z. ENG.

Steam Turbines

Damage to a high-pressure turbine. Elek. sta. 23 No. 7, 1952.

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

~~LYUBAVICHEV, V.~~

Assistance of collective farms and technical repair stations in the maintenance of motor vehicles operating far away from the automotive transportation units. Avt.transp. 37 no.4:23 Ap '59.
(MIRA 12:6)

1. Nachal'nik avtokolonny Avtotransportnoy kontory No.25 Voronezhskogo avtotresta.

(Motor vehicles--Maintenance and repair)

LYUBAVICHEV, V.A.

Operation of the D-259 bulldozer. Mekh. stroi. 18 no.12:28
D '61. (MIRA 16:7)

(Bulldozers)

FILIN, N.M., inzh.; ZAYTSEV, B.Z., inzh.; LYUBAVIN, A.M., inzh.

Present and future development of electric drives for papermaking
machinery. Vest. elektroprom. 33 no.8:5-7 Ag '62. (MIRA 15:7)
(Papermaking machinery--Electric driving)

LYUBAVIN, A.M.; ZAYTSEV, B.Z.

Operational performance of high-speed papermaking machines.
Bum.prom. 38 no.1:10-11 Ja '63. (MIRA 16:2)

1. Tsentral'noye konstruktorskoye byuro "Elektroprivod"
Vsesoyuznogo nauchno-issledovatel'skogo instituta elektromekhaniki.
(Papermaking machinery)

TSINTSERLING, A.V.; POLONSKAYA, Ye.V.; TARASOVA, A.P.; LYUBAVIN, A.R.;
NABOKOVA, Ye.R.; MASLENNIKOVA, L.K.; MAYOROVA, L.P. (Leningrad)

Pathological anatomy of adenovirus lesions of the lungs in children.
Arkh. pat. 27 no.10:21-28 '65. (MIRA 18:10)

1. Institut detskikh infektsiy i Institut imeni Pastera, Detskaya
bol'nitsa imeni N.F.Filatova, Detskaya bol'nitsa imeni Simbalina
i 1-ya detskaya bol'nitsa Oktyabr'skogo rayona, Leningrad.

L 15565-63

EWI(1)/BDS AFFTC/ASD IJP(C)/TF

ACCESSION NR: AR3CJ2965

8/0169/63/000/005/D022/D023

SOURCE: RZh. Geofiaika, Abs. 5DL22

55

AUTHOR: Lyubavin, L. M.

TITLE: Experimental-procedural work on the method of a rotating magnetic field,

CITED SOURCE: Sb. Geofiz. priborostr. Vyp. 12.L., Gostoptekhizdat, 1962, 19-31

TOPIC TAGS: rotating magnetic field, suspended gondola, receiving loop, circular polarization, phase parameter, conductor

ABSTRACT: ~~Aeroelectro-reconnaissance~~ by the method of a rotating magnetic field is accomplished with two airplanes flying on one course at a fixed distance L similar or equal to 150 m. One of the airplanes carries two generator loops, the axes of which are perpendicular to each other and to the airplane's line of flight. The loops are excited by currents of the same frequency, 90° out of phase with each other. On the second airplane, in a suspended gondola are also located two identical receiving loops, the axes of which are oriented perpendicular to each other and to the direction of the movement of the airplanes. The axes of generator and receiving loops are parallel in pairs. The presence of any conducting body disturbs

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the symmetry of the system and, besides the initial field with circular polarization at the point of reception, there appears a secondary field, the polarization of which in the general case will differ from the circular one. Signals $V_{\text{sub } y}$ and $V_{\text{sub } z}$ are taken from the receiving loops and the ratio of the difference of the amplitudes of two signals directed in the receiving loops toward the initial field at the reception point ($V_{\text{sub } y} - iV_{\text{sub } z}$) : $V_{\text{sub } 0}$ (amplitude parameter), which ratio is expressed in percentages, and the phase shift $\Delta\Phi$ between them (phase parameter) is subject to measurement. The average distance between loops at which there is obtained a sufficiently stable compensation of the initial field while preserving the assigned sensitivity of the apparatus is taken to be equal to 160 m. The highest value of the signal will be found within the limits of 0.35--0.45 of the relative altitude of flight $h = h_{\text{sub } 0}/L$. When there is a change of value h to 0.2--0.6 the effective unbalancing signal is reduced almost in half. In order to determine the optimal altitude of the flight along routes intersecting the main ore deposit a survey was carried out on a frequency of 2450 cycles at altitudes of 60, 80, 100, 120 m. It is observed that the method has a high resolving power permitting us to easily note conductors with a power of 100 m and more; it possesses great selective depth by means of great separations between generator and receiving loops and is less sensitive to surface heterogeneities; it is considerably more interference-proof than the induction method; it permits us to

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ACCESSION NR: AR3002965

differentiate rocks by the difference in resistances, and to confidently carry out searches for good conductors among rocks containing them with a conductivity of an order lower. A. Frolov.

DATE ACQ: 12Jun63

SUB CODE: PH

ENCL: 00

Card 3/3

LYUBAVIN, L.M.

Rotating magnetic field method in southern Karelia. Zap.
LGI 46 no.2:96-104 '63. (MIRA 17:6)

LYUBAVIN, N.; KOZYREV, F.

Strange neighbors. Sov. profsoiuzy 17 no.14:24 J1 '61. (MIRA 14:7)
(Odintsovo (Moscow Province))--Freight and freightage
(Vnukovo (Moscow Province))--Refractories industry)

BEIKIN, V., inzh.; LYUBAVIN, N., inzh.

Cost of construction of river ships and ways to reduce it.
Rech. transp. 20 no.12:21-25 D '61. (MIRA 14:12)
(Shipbuilding---Costs)

LYUBAVIN, N.; SANTSEVICH, M.

Complete the wire broadcasting networks in the Moscow Province.
Radio no.1:12 Ja '62. (MIRA 15:1)
(Moscow Province--Wire broadcasting)

LYUBAVIN, N.M.; RADZIYEVSKIY, A.V.

Accelerate the development and improve the operation of intercommunication systems in state farms and collective farms. Vest. sviazi 24 no.7:21-23 J1 '64. (MIRA 17:9)

1. Inspektory Komiteta partiyno-gosudarstvennogo kontrolya Tsentral'nogo komiteta Kommunisticheskoy partii Sovetskogo Soyuza i Soveta Ministrov SSSR.

LYUBAVIN, N.M.

Advantages of consolidating the transportation facilities of
industrial enterprises. Zhel.dor.transp. 43 no.5:72-74 My '61.
(MIRA 14:4)

1. Zamestitel' zavduyushchego otdelom transporta i svyazi komissii
Sovetskogo kontrolya Soveta Ministrov RSFSR.
(Railroads, Industrial)

LYUBAVIN, N.M.

Groups which support party and governmental supervision in tele-
communication enterprises. Vest. svyazi 23 no.9:29-30 S '63.

(MIRA 16:10)

1. Inspektor otdela partiyno-gosudarstvennogo kontrolya po
transportu i svyazi Komiteta partiyno-gosudarstvennogo kontrolya
TSentral'nogo komiteta Kommunisticheskoy partii Sovetskogo Soyuza
i Soveta Ministrov SSSR.

DOBROVATOV, V.V.; LYUBAVIN, N.M.

Voluntary control in construction of telecommunication structures.
Vest. sviazi 24 no.3:25-26 Mr '64. (MIRA 17:4)

1. Inspektory Komiteta partiyno-gosudarstvennogo kontrolya
Tsentral'nogo komiteta Kommunisticheskoy partii Sovetskogo Soyuza
i Soveta Ministrov SSSR.

LYUBAVIN, N.M., inzh.

More attention should be paid to telephone communication in rural areas. Vest. sviazi 22 no.5:17-18 My '62. (MIRA 15:5)

1. Zamestitel' zaveduyushchego otdelom Gosudarstvennogo kontrolya RSFSR.

(Telephone)

LYUBAVIN, N.M.

Nonsalaried inspectors help to improve work in telecommunication enterprises. Vest. svyazi 25 no.8:24-25 Ag '65.

(MIRA 18:10)

1. Inspektor otdela partiyno-gosudarstvennogo kontrolya po transportu i svyazi Komiteta partiyno-gosudarstvennogo kontrolya Tsentral'nogo komiteta Kommunisticheskoy partii Sovetskogo Soyuzha i Soveta Ministrov SSSR.

LYUBAVIN, S.A., inzh., red.; TAMBOVTSEV, B.V., inzh., red.;
KLIMOVA, G.D., red.izd-va; NAUMOVA, G.D., tekhn. red.

[Construction specifications and regulations] Stroitel'-
nye normy i pravila. Moskva, Gosstroizdat. Pt.2. Sec.G.
ch.3. [Water supply; specifications for design] Vodosnab-
zhenie; normy proektirovaniia (SNiP II-G.3-62). 1963. 94 p.
(MIRA 16:11)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po de-
lam stroitel'stva. 2. Gosudarstvennyy komitet po delam
stroitel'stva SSSR (for Lyubavin). 3. Gosudarstvennyy pro-
yektnyy institut Vsesoyuznogo tresta po proyektirovaniyu
vodosnabzheniya i kanalizatsii gidrotekhnicheskikh sooru-
zheniy i proizvodstvu izyskaniy (for Tambovtsev).
(Water--Supply engineering)

LYUBAVIN, V.M. (Moskva)

Material on the birth rate during the 20th century in the European
countries. Sov.zdrav. 18 no.12:53-58 '59. (MIRA 13:4)
(VITAL STATISTICS)

LYUBAVIN, Ya. G.

Nov/Dec 52

USSR/Medicine - Dysentery

"Administration of Fish-Liver-Oil Enemas in the Treatment of Dysentery," Ya. G.

Lyubavin, Chair of Faculty Pediatrics, Gorki State Med Inst and Children's
Clinical Hospital.

Vop Pedi Okhrany Mater i Dets, Vol 20, No 6, pp 20-22

Describes the administration of fish-liver oil by retention enema as an accessory
to the regular medical treatment of dysentery cases. He attributes the beneficial
effects of this treatment to the "biogenic stimulators" contained in the fish-
liver oil.

Source #264T40

LYUBAVIN, Ya.G.

Clinical aspects and diagnosis of latent (ambulatory) rheumatic fever in children. Vop.okh.mat. i det. 3 no.3:15-21 J1-Ag '58 (MIRA 11:8)

1. Iz kafedry gosptal'noy pediatrii (zav.-prof. B.I. Gurvich) Gor'kovskogo meditsinskogo instituta, Gorodskoy detskoy klinicheskoy bol'nitsy (glavnyy vrach Ye.G. Krupko) i detskogo ob"yedineniya Gor'kovskoy dorozhnoy bol'nitsy (glavnyy vrach A.F. Antonenkova)
(RHEUMATIC FEVER)

LYUBAVIN, Ya.G., aspirant

Importance of some supplementary study methods in evaluating the activity of latent rheumatic fever in children. Uch. zap. GMI no.8:78-80 '59. (MIRA 14:9)

1. Iz kafedry gosspital'noy pediatrii (zav. kafedroy - prof. B.I. Gurvich) i detskogo ob" yedineniya Gor'kovskoy dorozhnoy bol'nitsy - A.F.Antonenkova).

(CHILDREN--DISEASES--DIAGNOSIS)
(RHEUMATIC FEVER)

LYUBAVIN, Ya. G. Cand Med Sci - "Certain problems of the clinic and diagnosis
of latent-course ^{without paroxysm} (~~stages~~) ^{-c fever} rheumatism in children." Gor'kiy, 1960 (Gor'kiy
State Med Inst im S. M. Kirov). (KL, 1-61, 209)

-404-

S/169/62/000/009/064/120
D228/D307

AUTHORS: Lyubavin, Yu. P. and Ovchinnikov, A..K.

TITLE: Gamma-radiation of uranium and its decay products in radioactive orebodies

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 9, 1962, 44, abstract 9A291 (In collection: Vopr. rudn. geofiz., no. 3, M., Gosgeoltekhizdat, 1961, 87-94)

TEXT: The relative portion of the δ -radiation intensity of various elements of the uranium series in the total δ -radiation was ascertained on the grounds of measuring integral and differential spectra of the δ -radiation of radioactive orebodies. The δ -radiation was measured on synthetic mixtures. These were prepared in the form of powdered samples or uranium oxide (in equilibrium with $ux_1 + ux_2$), radium (in equilibrium with Rn and its decay products), and RaD (in equilibrium with RaE) under conditions that were close to those of the natural occurrence of ores. Two models of "saturated volume" orebodies were used in the latter case; one was filled
Card 1/2

Gamma-radiation of ...

S/169/62/000/009/064/120
D228/D307

with a mixture of nonradioactive rock and uranium oxide, the other being filled with a mixture of the same rock and radium salt. As a result of experimental work, carried out with scintillation equipment and MC-4 (MS-4) type gas-discharge counters, it was established that the share of uranium γ -radiation in the total radiation of elements of the uranium-radium equilibrium series depends strongly on both the properties of the measuring equipment being used and the ore's chemical composition (the value of z_{eff}), and also on the error of the radiochemical and chemical analyses, which reaches 15 - 20% if the uranium concentration is low. For naturally occurring uranium ores the share of uranium γ -radiation in the total radiation amounts to $3 \pm 0.6\%$. It was established that there is practically no uranium γ -radiation in the region of energies above 450 - 500 keV. The data obtained by the authors allow the conclusion to be drawn that under natural conditions, when the radioactive equilibrium between uranium and radium shifts abruptly to the side of excess uranium, there are practical possibilities for directly determining the uranium content from the form of its γ -radiation differential spectra. /-Abstracter's note: Complete translation...7

Card 2/2

S/169/62/000/009/068/120
D228/D307

AUTHORS: Ivashchenko, T. F., Kolesov, B. M., Lyubavin, Yu. P.
and Ovchinnikov, A. K.

TITLE: Question of separately determining uranium and thorium in complex radioactive ores from gamma-logging data

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 9, 1962, 48, abstract 9A318 (In collection: Vopr. ruĉn. geofiz., no. 3, M., Gosgeoltekhizdat, 1961, 99-101) ✓

TEXT: On the grounds of the investigation of the integral spectra of uranium and thorium ores with the same effective atomic number the authors conclude that, in order to separate uranium and thorium components in radioactive ores, it is necessary to record γ -radiation with an energy above 1 Mev (the separation point). It is shown that, if this method is to be used under working conditions, the equipment's stability during the recording of radiation at the separation point must not be less than 1 - 2% for at least 3 - 4

Card 1/2

Question of separately ...

S/169/62/000/009/068/120
D228/D307

hrs. In this case, depending on the change in the magnitude of the uranium-thorium ratio in the range from 0.1 to 10, the uranium content and the U/Th ratio can be determined with a precision of not less than 5 - 20%. [Abstracter's note: Complete translation.] ✓

Card 2/2

LYUBAVIN, Yu.P.; GUBANOV, V.G.

Increasing the operational stability of the FEU-35 photo-
electronic multiplier. Prib. 1 tekhn. eksp. 6 no.4:168-169
Jl-Ag '61. (MIRA 14:9)

(Photoelectric multipliers)

GRAMMAKOV, A.G.; OVCHINNIKOV, A.K.; LYUBAVIN, Yu.P.; OVCHINNIKOV, V.M.;
SAZONOV, A.M.

Effect of the composition of uranium ores on the gamma-ray spectrum as
recorded by a scintillation spectrometer. Atom.energ. 10 no.6:
624-626 Je '61. (MIRA 14:6)
(Uranium ores) (Gamma rays)

BRAMMAKOV, A.G.; OVCHINNIKOV, A.K.; LYUBAVIN, Yu.P.; OVCHINNIKOV,
V.M.; SAZONOV, A.M.

Effect of the density of uranium ores and of the thickness of
the iron absorbing layer on the gamma-ray spectrum of the ores
as recorded by a scintillation counter. Atom. energ. 11 no.1:
69-71 J1 '61. (MIRA 14:7)

(Uranium ores) (Gamma rays--Spectra) (Scintillation counters)

LYUBAVIN, Yu.P.; OVCHINNIKOV, A.K.

Gamma radiation of uranium and of products of its fallout in
radioactive ore bodies. Vop.rud.geofiz. no.3:87-94 '61.

(MIRA 15:8)

(Uranium—Isotopes)

(Radioactive prospecting)

IVASHCHENKO, T.F.; KOLESOV, B.M.; LYUBAVIN, Yu.P.; OVCHINNIKOV, A.K.

Using gamma logging data to determine the limit of uranium and
thorium in complex radioactive ores. Vop.rud.geofiz. no.3:99-
101 '61. (MIRA 15:8)
(Radioactive prospecting) (Uranium ores) (Thorium)

ALIMCHKIN, V.K.; IVASHCHENKO, T.F.; LYUBAVIN, Yu.P.; OVCHINNIKOV, A.K.;
SHISHMOLIN, A.N.

Multiparameter, simultaneously recording, logging apparatus
MAK for complex geophysical studies of holes in ore deposits.
Vop.rud.geofiz. no.3:119-146 '61. (MIRA 15:8)
(Logging (Geology)--Equipment and supplies)

ALIMOCHKIN, V.K.; ZOLOTNITSKIY, V.A.; IVASHCHENKO, T.F.; KOLESOV, B.M.;
LYUBAVIN, Yu.P.; OVCHINNIKOV, A.K.

Separate determination of the clark of potassium and the total
of heavy radioactive elements. Sbor. st. MGION no.1:93-99 '62.
(MIRA 16:3)

(Radioactive prospecting)

L 11049-63

EWT(1)/EWT(m)/BDS AFFTC/ASD TF/DM

ACCESSION NR: AP3001185

S/0089/63/014/005/0496/0499 56

AUTHOR: Kolesov, B. M.; Lyubavin, Yu. P.; Ovchinnikov, A. K.

TITLE: Gamma radiation spectra from radioactive ores under conditions of natural occurrence obtained with proportional counters

SOURCE: Atomnaya energiya, v. 14, no. 5, 1963, 496-499

TOPIC TAGS: Gamma radiation, xenon, gamma radiation of ores, proportional counter

ABSTRACT: The scintillation counters used until recently have a poor resolution for Gamma quanta of energy below 100 keV. Therefore, the authors have used a proportional counter. The counter of a 34 mm diameter and 200 mm length was filled with xenon at 2 atmospheres. The anode was a tungsten 0.1 mm wire. The cathode was a 1 mm thick steel cylinder. The counter was screened with aluminum. To simulate the ore in natural condition, 80 kgm of ore were used in iron containers of 330 mm in length and 430 mm in diameter. The apparent spectra were continuous with a maximum at about 25-30 keV. The authors explain this by the multiple scattering in the specimen and by a maximum efficiency of the scintillation counter in the mentioned region. The authors conclude that the proportional counter can be used in geological surveys because of their selective sensitivity. Equipped with a

Card 1/2

L 11049-63
ACCESSION NR: AP3001185

slitted screen, this counter is direction sensitive. Orig. art. has: 3 figures
and 2 tables. 0

ASSOCIATION: none

SUBMITTED: 19May62

DATE ACQD: 21Jun63

ENCL: 00

SUB CODE: 00

NO REF SOV: 009

OTHER: 001

kes/w
Card 2/2

GUBANOV, V.G.; LYUBAVIN, Yu.P.

Increasing stability of photoelectronic multipliers. Vop. rad. geofiz.
no.4:96-102 '64. (MIRA 18:1)

L6378-66 EWT(1) GW

ACC NR: AP5026764

SOURCE CODE: UR/0286/65/000/017/0044/0044

INVENTOR: ^{44.55}Dzhemilev, R. A.; ^{44.55}Dolgirev, Ye. I.; ^{44.55}Lyubavin, Yu. P.; ^{44.55}Meyyer, V. A.;
^{44.55}Nakhabtsev, V. S.; ^{44.55}Ochkur, A. P.; ^{44.55}Shapkov, G. G.

TITLE: Pickup for a radiometric x-ray analyzer, ^{12, 44.55}Class 21, No. 174285 [announced by
Special Design Office of the State Geological Committee SSSR (Osoboye konstruktor-
skoye byuro Gosudarstvennogo geologicheskogo komiteta SSSR); ^{44.55}Leningrad State Univer-
sity; ^{44.55}Leningradskiy gosudrastrovnyy universitet); and ^{44.55}All-Union Scientific Research
Institute of Exploratory Geophysics (Vsesoyuznyy nauchno-issledovatel'skiy institut
razvedochnoy geofiziki)] ^{44.55}

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 44

TOPIC TAGS: x ray analysis, x ray equipment, radiometry ^{12, 44.55}

ABSTRACT: This Author's Certificate introduces a pickup for a radiometric x-ray analyzer. The unit consists of a housing and a lead shield with collimation channels at an angle. A primary gamma source and x-ray detector are located in these channels. X-radiation is recorded in ore and rock deposits under natural conditions through a window in the housing made of a material with a low atomic number located at the vertex of the angle formed by the collimation channels.

UDC: 550.839 : 621 : 308.8

Card 1/2

09011922

L 6378-66

ACC NR: AP5026764

2

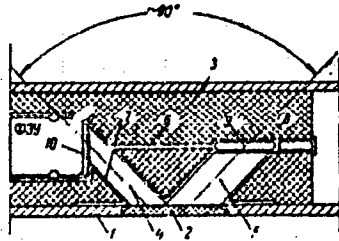


Fig. 1. 1--probe covering; 2--input window made of a material with a low atomic number; 3--lead shielding; 4--collimation channel of the detector; 5--collimation channel for the source; 6--channel for primary gamma rays used as a reference; 7--layer of material for screening out rays from the shielding; 8--can for the source; 9--source of gamma rays; 10--x-ray detector

SUB CODE: EE,EM/

SUBM DATE: 19Mar64/

ORIG REF: 000/

OTH REF: 000

BC
Card 2/2

LYUBAVINA, A. V., nauchnyy sotrudnik.

Mcmonovocillin for treating gonorrhoea in women. Vest. ven. i derm.
no.5:54 8-0 '55 (MLRA 9:1)

(ANTIBIOTICS)
(GONORRHOEA)

LYUBAVINA, A.V., nauchnyy sotrudnik

Remote results of the treatment of gonorrhea in women with
ecmonovocillin. Vest.derm. i ven. 31 no.3:35-38 My-Je '57.
(MIRA 10:11)

1. Iz Uzbekistanskogo nauchno-issledovatel'skogo kozhno-venerolo-
gicheskogo instituta (dir. - dotsent V.N.Matveyev)

(GONORRHEA, therapy,

procaine penicillin with ecmoline, in women (Rus))

(PENICILLIN, related cpds.

procaine penicillin with ecmoline in ther. of gonorrhea
in women (Rus))

(ANTIBIOTICS, therapeutic use,

ecmoline in gonorrhea in women, with procaine
penicilline (Rus))

LYUBAVINA, A.V., Cand Med Sci --(disc) "Penicillin^o in the
treatment of gonorrh^o in women." Tashkent, 1959. 16 pp
(Tashkent State Med Inst), 250 copies (M, 67-51, 103)

AL'ISHULER, N.S., kand.med.nauk; VARSAVA, B.A., kand.med.nauk; LYUBAVINA, B.T.

Dispensary methods of antitubercular work in rural areas. Izv. vuz. med. nauch. zhurn. no. 2:14-18 '64. (MIRA 1964)

1. Moskovskiy nauchno-issledovatel'skiy institut tuberkuleza (dir. T.P. Mochalova, zamestitel' direktora po nauchnoy chasti - prof. D.D. Assayev) Ministerstva zdravookhraneniya RSFSR i Moskovskiy oblastnoy protivotuberkuleznyy dispensar.

LYUBAVINA, I.I.

Calculus of the palatine tonsil. Vest. otot-rin. 16 no.2:81-82
Mr-Apr '54. (MIRA 7:6)

1. Iz kafedry bolezney ukha, gorla, nosa (zav. prof. N.A.Karpov)
Leningradskogo meditsinskogo stomatologicheskogo instituta.
(CALCULI, (TONSILS, calculi,
*tonsil, surg.) *surg.)

COUNTRY : USSR
CITIZENSHIP : General. Problems of Pathology. Tumors. Comparative
 ecology
AIR. SOUR. : RZBiol., No. 12 1978, No. 36436
AUTHOR : ~~Lubavina, L.Y.~~, Kostina, S.I.
JOB. :
TITLE : The problem of malignant degeneration of benign
 tumors of the nasal cavity
ORIG. PUB. : Collections: Vopr. Onkologii, No. 6, Moscow-Lenin-
 grad, Medgiz, 1978, 120-126
ABSTRACT : On the basis of an analysis of the history of 144
 patients with tumors of the nasal cavity, the au-
 thors believe that highly-differentiated "benign"
 tumors of the nose including angioma, papilloma,
 adenoma, epithelioma, and others, situated on the
 lateral wall, are subject as a rule to malignant
 degeneration, which may involve both the paren-
 chyma and the stroma of the tumor. Tumors acquire
 an ever greater degree of malignancy with every
 recurrence. Hence, all tumors of the lateral wall
 of the nasal cavity should be treated regardless
 of the degree of their differentiation.
CARD: 1/1

LYUBAVINA, L.A.

Method of determining oxirane (epoxy) Hydrogen. Masl.-zhir.prom. 29
no.1:38 Ja '63, (MIRA 16:2)

1. Polyarnyy nauchno-issledovatel'skiy i proyektnyy institut
morskogo rybnogo khozyaystva i okeanografii imeni N.M.Knipovicha.
(Oxirane) (Hydrogen)

LYUBAVINA, L.A. (Murmansk)

Indices for objective evaluation of the quality of cod-liver
oil used in medicine. Vop.pit. 24 no.4:67-70 JI-Ag '65.

(MIRA 18:12)

1. Laboratoriya tekhnologii (zav. - kand.tekhn.nauk L.P.Minder)
Polyarnogo nauchno-issledovatel'skogo i proyektnogo instituta
morskogo rybnogo khozyaystva i okeanografii imeni N.M.Knipovicha,
Murmansk. Submitted October 29, 1964.

Исследования, В. В.

Исследования, А. Я. -- "Effect of Cross-Pollination and Self-Pollination on the Quality of Seed and the Life Span of the Descendants of the Pines." Sci. 17, Nov 52, Moscow Forestry Engineering Inst. (Dissertation for the Degree of Candidate in Agricultural Sciences).

Co: Uchenyye Zapiski January-December 1952

LYUBAVSKAYA, A. YA.

Birch

Effect of self-pollination and cross-pollination on the seeding quality of birch seeds. A. Ya. Lyubavskaya. Les i step 4 No. 7 1952.

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED.

LUBAVSKIY, A. V.

Increasing the productivity of wool in sheep. Moskva, Gos. Izd-vo sel'khoz.
lit-ry, 1952. 118 p. (53-16790)

SF377.L56

Country : USSR
Category: Forestry Forest Cultures.

K

Abs Jour: RZhBiol., No. 12, 1958, No 53477

Author : Lyubavskaya, . Ya.
Inst : Moscow Forest Engineering Inst
Title : The Effect of Cross-Pollination and Self-Pollination
on the Quality of Birch Seeds.

Orig Pub: Nauchno-tekhn. inform. Mosk. lesotekhn. in-ta,
1957, No 24, 5-59

Abstract: Experimental studies (1949-1951) conducted at
Moscow Forest Engineering Institute established
that the basic sowing qualities of the seeds depend
to a considerable degree on the hereditary peculi-
arities of the seeds, on the conditions at the
place of germination, on the sources of the seeds

Card : 1/4

K-23

Country : USSR
Category: Forestry Forest Cultures.

K

Abs Jour: RZhDiol., No 12, 1958, NO 53477

and the type of crossing. In the case of the European white birch, gray birch, cutleaf birch, Japanese white birch, the low technical germinating ability (1.5-3.8%) and the low vigor of sprouting (1.5-3.5) resulted in the self-pollination being confined to one and the same branch. They were higher (technical germinating ability 3.5-23.5% and the vigor of sprouting 3.5-27.8%) with the self-pollination confined to one and the same tree. With free pollination of the European white birch in better conditions of the locale of germination, the technical germinating ability of the seeds proved to be higher than with self-pollination, and comprised 10.5-33.75% in the trees of the II age class, and 33.5-38.5% in

Card : 2/4

Country : USSR
Category: Forestry Forest Cultures.

K

Abs Jour: RZhDiol., No 12, 1958, No 53477

the trees of the IVth age class. In the case of trees growing in a bog this index did not exceed 6%. With the intraspecific crossing of healthy climatypes and edaphotypes from different regions of USSR and from more favorable locales of germination, the sowing qualities of the European white birch seeds proved to be 2-3 times higher than with free pollination (technical germinating ability 51.6-96.5, and the vigor of sprouting 45.6-55.0%). Seeds with valuable sowing qualities were obtained in the majority of cases from interspecific crossings of the following: the European white, paper, gray and pubescent birches with the pubescent, Japanese, Erman's, poplar-leaf and gray birches. The plants from these

Card : 3/4

K-24

Country : USSR
Category: Forestry. Forest Cultures

K

Abs Jour: RZhBiol., No. 12, 1958, No. 53477

seeds are distinguished by the great degree of hybrid vigor of growth and by resistance to rust. The pollination of different birch species with the pollen of alder, hornbeam and hazelnut did not produce successful results. The crossing of trees with weakened growth, afflicted with disease and coming from unfavorable growing localities, not only does not raise the seed quality but in many cases lowers it. The article gives recommendations on the selection of parent trees for crossing. --
D.I. Deryabin

Card : 4/4

LYUBCHANSKAYA, L.I.; FEL'DSHTEYN, L.S.; KUZMINSKIY, A.S.

Aging of rubbers under stress. Kauch.i rez. 21 no.1:23-29 Ja '62.
(MIRA 15:1)

1. Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti.
(Rubber—Testing) (Strains and stresses)

LYUBAVTSEV, V.

Seminar for young specialists. Avt. dor. 25 no.2:32 F '62.
(MIRA 15:2)

(Roads)

LYUBAVSKIY, A. V.

Sheep

Raising Tsiguy sheep on the "Orlov" breeding farm. Sots. zhiv., 14, No. 2, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June ²19~~5~~³, Uncl.

LYUBAVSKIY, A. V.

Stavropol breed of fine-wool sheep Moskva, Gos. izd-vo sel'khoz. lit-ry, 1953.
59 p. (54-42778)

SF375.5.R8L5

LYUBAVSKIY, A.V.; RADUGIN, P.A.

Utilize sewage in agriculture. NTO no.8:29-30 Ag '59.

(MIRA 12:11)

(Sewage as fertilizer)

LYUBAVSKIY, A.

Develop cultivated pastures. NTO 2 no.5:28 My '60. (MIRA 14:5)
(Estonia--Pastures and meadows)

LYUBAVSKIY, A., kand.sel'skokhoz.nauk

Utilize potentialities of agriculture fully. NTO 2 no.12:15-19
D '60. (HIRA 14:3)

1. Zamestitel' predsedatelya Tsentral'nogo pravleniya Nauchno-
tekhnicheskogo obshchestva sel'skogo i lesnogo khozyaystva.
(Agricultural research)

3] A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA BB CC DD EE FF GG HH II JJ KK LL MM NN OO PP QQ RR SS TT UU VV WW XX YY ZZ AA BB CC DD EE FF GG HH II JJ KK LL MM NN OO PP QQ RR SS TT UU VV WW XX YY ZZ

AND TWO OTHERS
PROCESSES AND PROPERTIES INDEX

LYUBAVSKIY, K. V.
Ca

Absorption of manganese by a weld beneath a manganese-free flux. K. V. Lyubavskiy. *Metallurgiya* 1946, No. 7, p. 13. - A study was made of the factors affecting the alloying of a weld with Mn in welding low-C steels under a layer of Mn-free fluxes. The factors studied were: concn. of Mn in the electrode wire, concn. of Mn in the solidified weld, and concn. of Mn in the welded metal. At a concn. of Mn in the molten metal up to 2.0-2.2%, the alloying of the weld with this element proceeds according to $[Mn]_{\text{weld}} = \alpha[Mn]_{\text{metal}}$, where $[Mn]_{\text{weld}}$ is the actual concn. of Mn in the weld, $[Mn]_{\text{metal}}$ is av. Mn concn. in the molten metal, and α is a coeff. of absorption depending on the basicity of the flux and on the av. concn. of Si in the molten metal. Coeff. α was detd. for 3 fluxes in which (CaO + MgO)/SiO₂ was 1.02, 1.11, and 0.77. The values of α were 0.057, 0.776, and 0.701, resp. With the relation between the above factors established it becomes possible to est. the Mn content in the weld from its content in the wire and the welded metal, and from the Mn content of the welded wire to est. the required Mn concn. in the wire necessary to produce a weld contg. a definite concn. of Mn. M. Horch

ASB 51.A METALLOGICAL LITERATURE CLASSIFICATION

METALLOGICAL LITERATURE CLASSIFICATION

INDEX NUMBER

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA BB CC DD EE FF GG HH II JJ KK LL MM NN OO PP QQ RR SS TT UU VV WW XX YY ZZ

7

B

*619. Welding. Russian Technical Research News, v. 1, Nov. 1947, p. 31. Abstracted from "Investigation of the Weldability of Heat Resistant Austenitic Chrome-Nickel-Tungsten Steel of Large Cross Section," by K. V. Ljubavskii and F. I. Pashukanis, *Aviatsionnoe Delo*, nos. 8-9, 1946, p. 8-16. Outlines results of investigation of weldability of steels with 0.40-0.50% C; 13-15% Cr; 13-15% Ni; 0.30-0.80% Si; 0.40-0.60% Mo; and 2.0-2.75% W, suitable for high-temperature use.

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ASB-31.4 METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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LYUBAVSKIY, K. V. (Docent) Dr. Tech. Sci.

Dissertation: "Metallurgy of Automatic Electric Arc Welding of Low-Carbon Steel Under Flux." Moscow Order of the Labor Red Banner Inst. of Steel, imeni I. V. Stalin, 22 May 47.

SO: Vechernyaya Moskva, May, 1947 (Project #17836)

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B

***608. Reactions of Silicon and Manganese During Automatic Welding of Low-Carbon Steel Using Fluxes. (In Russian.) K. V. Liubavskii. *Autogennoe Delo* (Welding), July 1947, p. 1-10.**

Results of an extensive theoretical and experimental investigation of the above reactions are tabulated and charted. It is shown that the reactions may proceed either very slowly or vigorously depending on whether the concentrations of Si and Mn are close to or far from equilibrium. The welding process was investigated under both passive and active conditions. The formation of silicate inclusions and the mechanical properties of the weld metal were also investigated. 16 ref.

R

ASME-ISA METALLURGICAL LITERATURE CLASSIFICATION

FROM SYMBLYO	12302 H12 0M7 02E	RELAPORE	ADVANCE INDEX
140240	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Ca

9

Sulfur reaction and hot cracking during autogenous welding of low-carbon steel under a flux. K. V. Lyubay, *Intagonny Delo* 1948, No. 1, 22-4. Rimming steel contg. Mn 0.51 and S 0.022% was welded with various types of electrodes and fluxes. The use of a high-Mn flux or of a Mn-bearing electrode prevented conversion of MnS into FeS during welding and decreased susceptibility of the weld to hot cracking. H. W. Rathmann

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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