HULIGIN, Konstantin Aleksandrovich; BERG, A.I., redaktor; DZHIGIT, I.S., redaktor; KULIKOVSKIY, A.A., redaktor; SMIRNOV, A.D., redaktor; TARASOV, F.I., redaktor; TRAMM, B.F., redaktor; CHECHIK, P.O., redaktor; SHAMSHUR, V.I., redaktor; MELINIKOVSKAYA, R.D., redaktor; SKVORTSOV, I.M., tekhnicheskiy redaktor.

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[How a radio receiver works] Kak rabotaet radiopriemnik. Moskva, Gos. energ. izd-vo, 1956. 78 p. (Massovaia radiobiblioteka, no.242) (Radio---Receivers and reception)

MAYOROV, Fedor Vasil'eyvich; SHUL'GIN, K.A., red.; MEDVEDEV, L.Ya., tekhn.

[Electronic calculating apparatus; elements and designs] Elektronnye tsifrovye vychislitel'nye ustroistva; elementy i skhemy. Moskva. Gos. energ. izd-vo, 1957. 159 p. (Massovaia radiobiblioteka, no.285) (Calculating machines)

•••	Equivalent circ	uits and parame	eters for trans ensistors)	istors. Radio (MIRA 1	no.11:60-63 0:10)	

9(4)

PHASE I BOOK EXPLOITATION

sov/1823

Shul'gin, Konstantin Aleksandrovich

Ekvivalentnyye skhemy i sistemy parametrov poluprovodnikovykh tricdcv (Equivalent Circuits and Parameter Systems of Transistors) (Moscow, Gosenergoizdat, 1958. 87 p. (Series: Massovaya radiobiblioteka, vyp. 309) 50,000 copies printed.

Editorial Board: A.I. Berg, F.I. Burdeynyy, V.A. Burlyand, V.I. Vaneyev, Ye. N. Genishta, I.S. Dzhigit, A.M. Kanayeva, E.T. Krenkel', A.A. Kulikovskiy, A.D. Smirnov, F.I. Tarasov, and V.I. Shamshur.

Ed.: R.D. Mel'nikovskaya; Tech. Ed.: K.P. Voronin.

PURPOSE: This booklet is intended for radio amateurs. It may also be useful to engineers working with semiconductor equipment.

COVERAGE: The author discusses basic parameters and equivalent circuits of junction transistors and describes methods of

Card 1/3

Equivalent Circuits and Para	nmeter (Cont.)	SOV/1823
He also presents examples	determining equivalent circuits illustrating the use of equivalent purposes. No persons references.	Lvalent
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Equivalent Circuits and Parameter (Cont.) SOV	/1823
Ch. 3. Equivalent Circuits and Parameters of Transistors	
7. W -type equivalent circuits for a wide frequency range 8. Frequency dependence of the basic parameters of transistors	55
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Ch. 4. Determination of Parameters and Values of Components of a Transistor Equivalent Circuit	
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AVAILABLE: Library of Congress	
Card 3/3 JP/ad 7-1-59	

GANZBURG, Mark Davydovich; SHUL'GIN, K.A., red.; ECRUNOV, N.I., tekhn. red.

[Improving phonation of receivers] Uluchshenie zvuchaniia priemnika.

Moskva, Gos. energ. izd-vo, 1958. 94 p. (Massovaia radiobiblioteka,
Moskva, Gos. energ. izd-vo, 1958. 94 p. (Massovaia radiobiblioteka,
11:7)

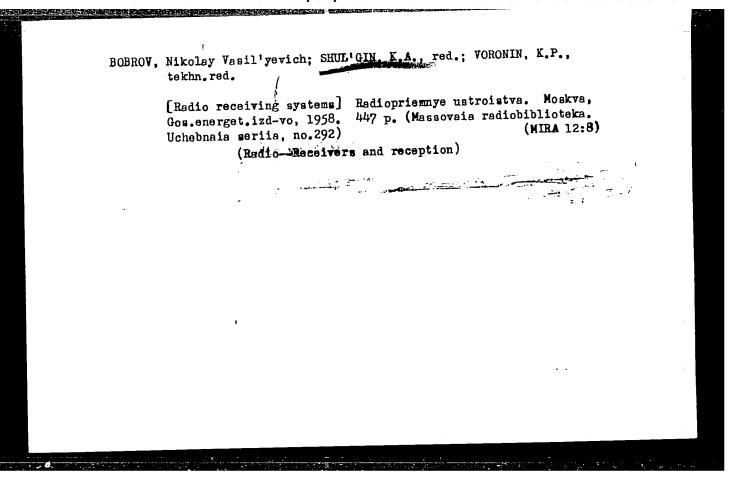
(Radio-Receivers and reception)

MIRONOVICH, Aynbinder Iosif; SHUL'GIN, K.A., red.; BORUKOV, N.I., tekhn.red.

[Problems of the theory and design of ultrashortwave stages of radio receivers] Voprosy teorii i rascheta UKV kaskadov radioveshatel'nogo priemnika. Moskva, Gos.energ.izd-vo,

1. 15 可可能以不够有的。

radioveshatel nogo priemnika. Muskva, dustoug. (MIRA 11:12) 1958. 117 p. (Radio, Shortwave--Receivers and reception)



AUTHOR:

Shuligin, K.

107-58-3-33/41

TITLE:

Equivalent Transistor Circuits for Wide Frequency Ranges (Ekvivalentnyye skhemy poluprovodnikovykh triodov dlya shi-

rokogo diapazona chastot)

PERIODICAL:

Radio, 1958, Nr 3, pp 52 - 55 (USSR)

ABSTRACT:

In "Radio", 1957, Nr 11, the parameters of equivalent transistor circuits for low frequencies were described. In this article, the author deals with equivalent transistor circuits for a wide frequency range, explaining some of the theoretical aspects leading to the circuit arrangements shown in Figure 3. Data on equivalent circuits are furnished for transistors "P6B", "P6V" and "P6G". The article concludes with explanations of the frequency dependance of the basic transistor parameters. There are 6 sets of circuit diagrams,

1 table and 4 graphs.

1. Transistors--Circuits--Theory

Card 1/1

AUTHOR:

Shul'gin, K.

M. J. C. 11 to

107-58-5-30/32

TITLE:

Determination of Transistor Parameters (Opredeleniye parametrov

poluprovodnikovykh triodov)

PERIODICAL: Hadio, 1958, Nr 5, pp 58 - 60 (USSR)

ABSTRACT:

The author discusses methods by means of which radio amateurs may determine data for all elements of an equivalent transistor system, and measure its basic characteristics. The author lists several mathematical formulae and circuit diagrams which

are useful for this purpose.

There are five figures and one table.

AVAILABLE:

Library of Congress

Card 1/1

BURDZYNYY, Fedor Ivanovich (UA3-1); KAZANSKIY, Nikolay Valentinovich (UA3AF); KAMALYAGIN, Aleksandr Fedorovich (UA41F); SHUL'GIN, Konstantin Aleksandrovich (UA3DA); VASIL'YEV, A.A., red.; TROITSKIY, L.V., red.; KARYAKINA, M.S., tekhn.red.

[Shortwave radio manual; reference manual and methods aid for radio amateurs] Spravochnik korotkovolnovika; spravochnometodicheskoe posobie dlia radioliubitelei. Izd.3., perer. i dop. Moskva, Izd-vo DOSAAF, 1959. 479 p. (MIRA 13:1) (Radio, Shortwave)

ALEKSANDROV, G.A.; DORRER, I.A.; MALOCHINSKIY, O.M.; KHLYTCHIYEV, S.M.; CHISTYAKOV, N.I.; SHUL'GIN, K.A.; VENGRENYUK, L.I., red.; MARKOCH, K.G., tekhn. red. [Radio communications and broadcasting] Radiosviaz' i veshchanie. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1961. 503 p. (MIRA 15:2 (MIRA 15:2)

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(Radio-Receivers and reception) (Radio-Transmitters and transmission)

"APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-

CIA-RDP86-00513R001550130007-9

ACCESSION NR: AP4010376

5/0107/64/000/001/0022/0024

1

AUTHOR: Shul'gin, K.

TITLE: Disk electromechanical filter for SSB

SOURCE: Radio, no. 1, 1964, 22-24

TOPIC TAGS: electromechanical filter, disk electromechanical filter, EMF-D-500-3V electromechanical filter, electromechanical filter application

ABSTRACT: A short description of an EMF-D-500-3V Soviet-made electro-mechanical filter is offered: rated frequency, 500 kc; (upper sideband) passband, 3.1 kc. The functioning principle is explained. The design is clearly illustrated by Enclosure 1; the filter consists of 9 resonators, 8.5-mm diameter and 1.82-by Enclosure 1; the filter consists of 9 resonators. All resonators are inter-1.87-mm thick with a 1-mm spacing between them. All resonators are inter-connected by 0.25-mm wire links. The passband attenuation is under 15 db

Card 1/37

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ACCESSION NR: AP4010376

(actually, 7-10 db); frequency-characteristic variation, 3 db; passband at 60 db, less than 5 kc. A parallel-supply circuit is recommended for electron-tube stages whose anode current is over 1 or 2 ma. The electromechanical filter is sensitive to external magnetic fields; hence, shielding is recommended. Electric oscillatory circuits must be accurately tuned, otherwise the filter transmission factor is impaired and the frequency response becomes nonuniform. To be continued. Orig. art. has: 6 figures and 1 formula.

ASSOCIATION: none

SUBMITTED: 00.

DATE ACQ: 11Feb64

ENCL: 01

SUB CODE: CO, GE

NO REF SOV: 000

OTHER: 000

Card . 2/3/

IOSEV, Aleksoy Konstantinovich; SHUL'GIN, K.A., otv. red.;

[Theory and design of electromechanical filters] Teoriia
i raschet elektromekhanicheskikh fil'trov. Moskva,
Sviaz', 1965. 262 p. (MIRA 18:8)

"Automatic Control of a Closed-Cycle Hydrocompressor," Report submitted at the Second All-Union Conference on Automatic Control Theory, Moscow, 1953
Sum 1467

SHUL'GIN, K. B.

SHUL'GIN, K. B.

"Automatic regulation of closed-cycle hydrocompressors." Min Higher Education Ukrainian SSR. Donets Order of Labor Red Banner Industrial Inst imeni. N. S. Krushchev. Stalino, 1956. (Dissertation for the Degree of Candidate in Technical Science)

So: Knizhnaya letopis', No. 15, 1956. Moscow.

SHUL'GIN, K.B.

Theoretical investigation of a hydrocompressor with a closed water
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AUTHOR: Shul'gin, L. P.; Koz'min,	Yu. A.
mymre. Kinetics of Eu(III)-Eu(II)	oxidation-reduction \
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TOPIC TAGS: europium(II), europium oxidation-reduction potential, equi	n(III), oxidation-reduction postulation process, librium constant, electromechanical process, rature, pH, concentration, oxidation, reduction
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Card 1/2

KOZ'MIN, Yu.A.; SHUL'GIN, L.P.; PONOMAREV, V.D.

Solubility product of bivalent europium sulfate. Zhur. neorg. khim. 9 no.11:2532-2535 N 164 (MIRA 18:1)

l. Inboratoriya redkikh i redkozemel*nykh metallov Vsesoyuznogo gornometallurgicheskogo nauchno-issledovatel*skogo instituta tsvetnykh metallov.

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001550130007-9

29303 S/084/61/000/011/001/001 D036/D114

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AUTHORS:

公司: 人名葡罗西斯斯斯奇克尔纳 中心。

Maksimov, M., Airport Chief (see Association); Shullgin, M.,

Ground Services Engineer; Shmel'kov, A., Scientific Worker

TITLE:

The fog recedes...

PERIODICAL: Grazhdanskaya aviatsiya, no. 11, 1961, 19

TEXT: The authors discuss experience gained at the Alma-Atinskiy aeroport (Alma-Ata Airport) in the dispersal of supercooled fogs by dry ice. Supercooled fogs appear at the Alma-Ata Airport, which is situated close to the foothills of the Zailiyskiy Alatau Range, from December to February, normally arising before dawn and lasting for several hours or even the entire day. They appear more frequently in some years than others. The first attempts to disperse these fogs with dry ice at the Alma-Ata Airport were made in 1953, when carbon diexide in a liquid state was put into canvas bags, where it solidified. Then it was dropped from a JA -2 (Li-2) sounding aircraft. Although the experiments were successful, the method was discarded due to difficulties in the preparation, storing and spraying of the dry ice. After this, the Mereness Metel'-55") airborne carbon dioxide unit, developed by the Gosu-

Card 1/4

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CIA-RDP86-00513R001550130007-9

29503 \$/004/61/000/011/001/001 D036/D114

The fog recedes ...

darstvennyy nauchno-issledovatel'skiy institut Grazhdanskogo vozdushnogo flota (State Scientific Research Institute of the Civil Air Fleet \(\int GosNII \) GVF(), was introduced at the airport. The unit worked on liquid carbon dioxide and was used at the airport until 1960, when it was replaced by an improved model, the "Metel'-59", which is still being used. It was found that with the "Metel!" units often a single spraying was sufficient to obtain a window until the fog was evaporated naturally by the Sun, as most of the supercooled fogs at the airport arise either during a dead calm or a very gentle wind of about one meter per second. Despite the effectiveness of the airborne units, it was found difficult to organize constant operational preparedness of the aircraft, equipment and the crew. In recent years, ground equipment, also developed by the GosNII GVF, was therefore used at the same time as the airborne units. Stationary units placed at the near approaches to the airfield proved unsatisfactory: the units could not be switched from one place to another in case of wind changes, and it was difficult to attend four or five widely separated units. In 1961, experiments with compact mobile units were therefore started. These units dispersed the fog while moving at 15-30 km/hr along roads bordering the airfield at a distance of

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The fog recedes ...

1 to 2 kilometers from the runway, as well as along the taxiways. On one January day, a single mobile unit working for about one hour dispersed a nomogeneous fog, which had covered the entire airport and the surrounding area and in which the visibility was 50 to 100 m. One 25-kg container of liquid carbon dioxide was used up in the process. Discussing the advantages and disadvantages of airborne and ground units, the authors point out that airborne units can be used to disperse clouds as well as fogs, but their application is more complicated and costly. The ground units are more effective against ground fogs, and can be used if there are suitable roads near the airport; it is stressed that they are practical, simple, reliable and economical and are the only real means of combatting winter fogs if there is no sounding aircraft available. On the basic of the experience gained at the airport; the following recommendations are made: (a) carbon dioxide units should be used as widely as possible to combat supercooled and warm fogs and thus improve the regularity of flights; (b) carbon dioxide units can be used only to disperse innermass clouds and fogs at temperatures of 5°C, and below; they should therefore be used at airfields where the anticyclonic type of weather prevails in the cold season, i.e. the eastern part of the European territory of the USSR, Kazakhstan, and Siberia: (c) as ground fogs

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Card 3/4

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The fog recedes ...

cause the greatest disruption of the regularity of flights in these regions, simple and economical mobile ground carbon dioxide units should be used there.

ASSOCIATION: Alma-Atinskiy aeroport (Alma-Ata Airport) (Maksimov, M. and Shul'gin, M.); GonNII GVF (Shmel'kov, A.)

Car : 6/4

(MLRA 9:5)

SHUL'GIN, M.F., dotsent, kandidat fiziko-matematicheskikh nauk.

Method of redundant coordinates in analytical mechanics. Biul.

SAGU no.30:141-165 '48. (Coordinates) (Mechanics, Analytic)

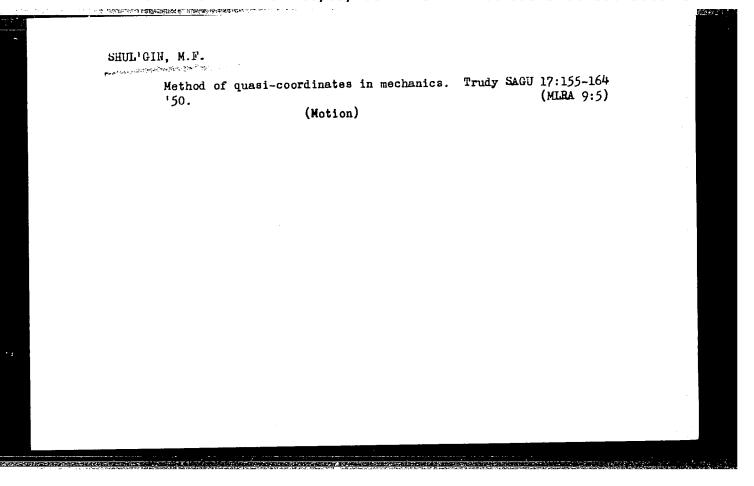
SHUL'GIN, M.F., kandidat fiziko-matematicheskikh nauk.

Integration of dynamic equations of S.A.Chaplygin. Trudy Inst.mat.i
mekh. AN Uz.SSR no.5:119-128 '49. (MLRA 6:12)
(Dynamics) (Differential equations, Partial)

SHULIGIN, M.F.

Curvature of the trajectory of a nonholonomic mechanical system in the function of generalized coordinates. Trudy SAGU 17:147-153 '50. (MLRA 9:5)

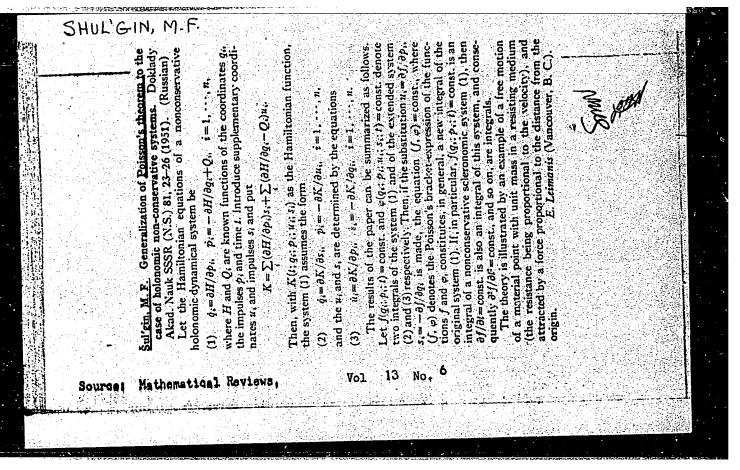
(Dynamics)

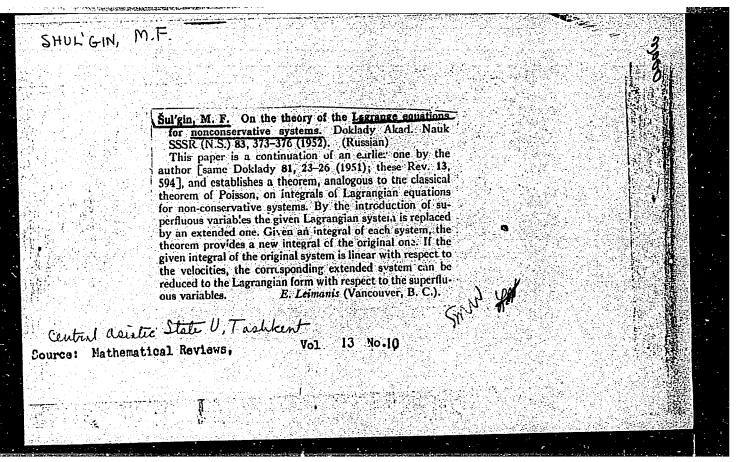


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	$L = \sum_{i} q_{i} q_{n+i} + \sum_{i} f_{i} q_{n+i},$		\$. \$
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Source	Mathematical Reviews, Vol 12 No. 6		
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223176		potential Lo, and showed that the eqs of motion of such systems can be in certain unique form. The resulting Chaplygin dynamical eqs are studies here. Submitted by Acad A. I. Nekrasov 11 Apr 52.	Establishes a theorem analogous to Poisson's classical theorem. S. A. Chaplygin had shown in 1933 that in many examples of conservative nonholonomic systems one can select the generalized coordinates q such that the coordinates q do not enter either the coeffs Brs of kinematic connection or the expression of kinetic	"Theorem Concerning the Properties of the Integrals of S. A. Chaplygin's Dynamical Equations," M. F. Shul'gin, Cen Asian State U, Tashkent "Dok Ak Nauk SSSR" Vol LXXXIV, No 5, pp 899-902	USSR/Mathematics - Dynamical Equations, 11 Jun 52 Poisson's
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- 1. SHULIGIN, M. F.
- 2. USSR (600)
- 4. Differential Equations

 Certain properties of integrals of ordinary differential equations. Dokl.AN SSSR, 87, no. 5, 1952.

Development of works (DAN SSSR 81, No.1, 1951; 83, No.3, 1952); DAN Wzbek SSSF, No.10, 1951 in which the author discussed the eqs of motion molonomic nonconservative and nonholomonic mech systems and established methods for integrating these eqs, which metho s are similar to Poisson's. In this article he considers the system of second-order ordinary differential eqs of the form:

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\text{and establishes some theorems concerning} \text{And establishes some theorems concerning} \text{the properties of the integrals of these eqs.} \text{Presented by Acad A. I. Nekrasov} \text{11 Oct 52.} \text{254799}

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

SHUL'GIN, M. F.

· はなる。本語は異なるないのである。

"Theorem on the Properties of the Integrals of a System of Differential Equations Analogous to the Classical Theorem of Poisson"

Doklady Akad Nauk Uzbek SSR, No.3, 1953, pp 8-12

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W-31098, 26 Nov 54

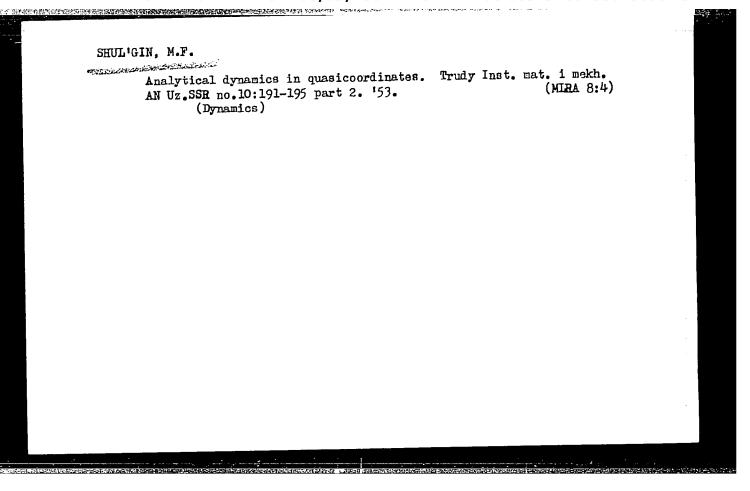
General Mechanics, Mechanics of a System (3222)

Doklady Akademii Nauk Uzbek SSSR, No 9, 1953, pp 7-12

Shul'gin, M. F.
Equations of Motion for Holonomic Nonconservative Systems With a Linear Integral

(No abstract given.)

Referativnyy Zhurnal -- Mekhanika, No 5, 1954 (W-30976)



SHUL'GIN, M. F.

"Generalization of Foisson's Theorem for Any System of Differential Equations" (Differential Equations, Ordinary Differential Equations) Dokl. AN Uzb. SSR. No 11, 1953, pr 3-7 (Uzbek resume)

Aos

W-31146, 1 Feb 55

Shortwise, w. v.

Dissertation: "On Certain Differential Equations of Analytic Typenics and Their Integration." Dr Para-Ast. Sei, Institut Foodmarks, Load Sei SSR, v. Way 54. (Vecherayaya Moskva, Loacow, 28 Apr. 54)

3 : Sow 305, 19 Oct 1995

SHUL'GIN, M.F. (Tashkent)

Chaplygin's dynamic equations in the presence of conditional non-integrable equations. Prikl. mat. i mekh. 18 no.5:749-752 N-D '54.

(Kinematics)

(MIRA 8:3)

SHUL'GIN, M.F.

Reduced kinetic potential of differential equation systems. Trudy SAGU no.37 154 [i.e. 153] (MLRA 10:3) (Dynamics) (Differential equations)

SHUL'GIN, M. F.

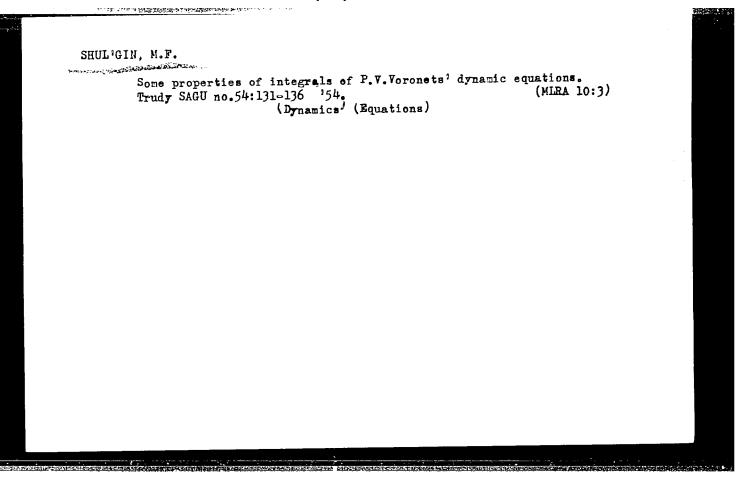
"Investigating the Motion of Nonholonomic Mechanical Systems in Surplus Coordinates," by M. F. Shul'gin, Tr. Sredeaz. unta, No 37, 1954, pp 49-58 (from Referativnyy Zhurnal--Mekhanika, No 11, Nov 56, Abstract No 7161)

"The addition to some given coordinates of an equal number of supplementary ('surplus') coordinates can result, as the author shows, in a system of the type

$$\dot{q}_{k} = f_{k} (t, q_{1}, ..., q_{n}, \dot{q}_{1}, ..., q_{n}) (k = 1.2, ..., n)$$

in a second order Lagrange equation. An expansion of the Liouville type is, moreover, used; the effectiveness of this method is doubtful. The author applies this expansion to nonholonomic systems, introducing the concept of the holonomized kinetic potential.' As a result, a Lagrange system emerges having twice the number of unknowns. The author examines the case of the presence of cyclic coordinates, as well as S. A. Chaplygin's well-known example (the computations are not carried to their termination, thus hindering comparison with the existing solution). In conjunction with the doubling of the system, there emerge excess arbitrary constants during integration; their role remains unexplained."

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SHUL'GIN, M.F.

A CONTROL OF THE PROPERTY OF T

Methods analagous to the Hamilton-Jacobi method for integrating a system of differential equations with cyclic variables. Trudy SAGU no.66:55-60 '56. (MLRA 10:1)

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AUTHOR: Shul'gin, M.F.

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TITLE: On some differential equations of analytic mechanics and

their integration

PERIODICAL: Referativnyy zhurnal. Matematika, no.8, 1960, 95-96,

abstract no. 8907. Tr. Sredneaz. un-ta, 1958, no.144, 183p.

TEXT: The paper consists of five chapters and an appendix. Chapter 1 is devoted to the representation of the analytic mechanics of a holonomous system in non-holonomous coordinates. In chapter 2 the author establishes equations of the type of Lagrange and Hamilton for holonomous systems in surplus coordinates. It is shown that it always is possible to establish generalized Lagrange equations of the type 2.14 (p.20) for arbitrarily many coordinates q₁, where these equations go over in the usual Lagrange equations of second kind if all considered coordinates q₁ are independent. In chapter 3 the methods of the holonomous conservative systems are extended to holonomous but not conservative systems. For this aim the author generalizes the notion of the kinetic potential L to non-conservative systems and establishes the system of equations 3.17 which is analogous to the Lagrange equations of second

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S/044/60/000/008/015/035 C111/C222

On some differential equations, ,

kind and which distinguishes from them by the fact that here the Routh-function plays the part of the Lagrange function L. Furthermore the author obtains the equations 3.37 and 3.38 which are analogous to the canonical equations of Hamilton, and the equation 3.39 which is analogous to the equation of Jacobi-Hamilton. The chapters 4 and 5 treat non-holonomous systems. In chapter 4 the author also uses the method of the surplus coordinates. He considers several types of motion equations for linear non-holonomous connections, namely: the generalized Lagrange equation with multipliers of the connection 4.8, equations of P.V. Voronets 4.11, and equations of S.A. Chaplygin 4.12. The method of Routh is extended to equations of Voronets and Chaplygin, and it is shown that for the presence of K cyclic coordinates the number of coordinates in the considered equations always can be diminished by K (similar as for holonomous systems). Chapter 5 treats the theory of non-holonomous systems with non-linear connections. For arbitrary nonholonomous systems the author establishes the equations

 $\partial s/\partial q_i = Q_i + \Delta_i \quad (i=1,2,...,n)$ (5.39)

and calls these equations the most general equations of the dynamics. Card 2/4

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On some differential equations...

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The equations (5.39) have the form of the equations of Appell, but they distinguish from them by the fact that the connections here may be completely arbitrary, while Appell only considers linear connections. In chapter 6 (appendix) there are 5 paragraphs. According to our opinion, most interesting are the paragraph 2, here the author extends the theorem of Jacobi-Hamilton to the Lagrange equations of first kind, as well as the last paragraph which contains three interesting problems which are solved with the aid of the surplus coordinates.

Reviewer's remark: The author does not mention the paper of P.I. Khristichenko (Uch. zap. Tadzh. un-ta, 1952) which contains equations very similar to (5.39). Besides, equations similar to (5.39) were obtained by the Bulgarian mathematician Tsenov (Dokl. AN SSSR, 1953, 39, no.1, 3); that is not mentioned by the author. Both above mathematicians obtained the equations (5.39) in a completely different manner also different from the method of M.F.Shul'gin (the equations (5.39) were published by M.F.Shul'gin at first in 1944). It must still be mentioned that it is not clear whether the theorem on the minimum of the characteristic function R is new or agrees in essential with the principle of the least constraint of Gauss (cf. § 36).

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On some differential equations...

Editor's remark: The equations 2.20, 2.59 of chapter II can easily be obtained from the equations of N.G.Chetayev (Dokl. AN SSSR, A, 1928, no.7), that is not mentioned by the author, so that the theorems of chapter II are special cases of the theorems of Poincaré-Chetayev.

[Abstracter's note: The above text is a full translation of the original Soviet abstract.]

Card 4/4

S/124/63/000/001/002/080 D234/D308

AUTHORS:

Shul'gin, M.F. and Nagornov, V.A.

TITLE:

Poincare-Voronets equations and their integration

PERIODICAL:

Referativnyy zhurnal, Mekhanika, no. 1, 1963, 11, abstract 1A67 (Tr. Tashkentsk un-ta, 1961, no. 189,

155-176)

2007.00克姆斯斯特斯中门斯阿拉尔特5.405

TEXT: The authors present some properties of Poincare's equation for holonomic systems, established by N.G. Chetayev. 15 references. (Abstracter's note: The authors' proposition that the structural coefficient cjki for holonomic systems can be variable, is disproved by the theory of Lie's groups).

[Abstracter's note: Complete translation]

Card 1/1

8/3021/62/000/209/0064/0072

ACCESSION NR: AT4017652

TITLE: The theory of the equations of dynamics in excess coordinates for AUTHOR: Shul'gin, M. F.

nonconservative systems

SOURCE: Tashkent. Universitet. Nauchny*ye trudy*, no. 209, 1962. Matematicheskiye nauki (Mathematical sciences), no. 23, Mekhanika (Mechanics),

TOPIC TAGS: nonconservative system, excess coordinate, Holonomic mechanical

system, Hamilton equation, Poisson method, Lagrange form

ABSTRACT: In certain problems it turns out to be convenient to determine the position of a mechanical system by parameters q, which in number are more than is necessary. In earlier papers the author has considered the setting-up and the integration of the equations of motion of holonomic mechanical systems in the excess coordinates. The characteristic property of these equations is that although they are set-up in the excess coordinates they do not contain coefficient constraints. In the present paper it is shown that in certain cases the equations of dynamics in the excess coordinates for holonomic, nonconservative systems may be reduced to the Lagrange form in the excess coordinates Card 1/2

ACCESSION NR: AT4017652

with kinetic potentials, or to a combination of it and the Hamilton equation. These are then solved by the methods of Poisson, Hamilton-Jacobi, and others. Orig. art. has: 41 formulas.

ASSOCIATION: Tashkentskiy gosudarstvenny*y universitet im. V. I. Lenina (Tashkent State University)

SUBMITTED: 00

DATE ACQ: 23Mar64

ENCL: 00

SUB CODE: ME

NO REF SOV: 004

OTHER: 000

Card 2/2

S/3021/62/000/209/0073/0080

ACCESSION NR: AT4017653

AUTHOR: Shul'gin, M. F.

TITLE: Extended systems of Liouville and Poincare differential equations . .

8 - St. Oak St. 128 - About 18 18 18 18

SOURCE: Tashkent. Universitet. Nauchny*ye trudy*, no. 209, 1962. Matematiches-kiye nauki (Mathematical sciences), no. 23, Mekhanika (Mechanics), 73-80

TOPIC TAGS: Poincare equation, Liouville equation, differential equation, ordinary differential equation, adjoint system

ABSTRACT: The present paper is an extension of an earlier paper by the author where he considered a system of ordinary differential equations of the form

$$\dot{x}_k = X_k (t; x_1, x_2, \dots, x_n), k = 1, 2, \dots, n, \dot{x}_k = \frac{dx_k}{dt}$$
 (1)

and established certain theorems on the properties of the integrals of these equations. The classical theorems of Poisson and Boole were obtained as special cases of these theorems. In the present paper, in the first section certain auxiliary facts are established for the adjoint system, for the extended Liouville system, and for the extended Poincare system. In the second section certain Card 1/2

ACCESSION NR: AR4034719

8/0124/64/000/003/4009/4009

SOURCE: Ref. sh. Mekhan., Abs. 3A64

AUTHOR: Shul'gin, M. F.

TITLE: Conditions for the applicability of the Hamilton-Jacobi method for the integration of the equations of dynamics with coupling multiples

CITED SOURCE: Nauchn. tr. Tashkentsk. un-t, vy*p. 222, 1963, 49-54

TOPIC TAGS: Hamilton-Jacobi method, holonomic conservative system

TRANSLATION: The applicability of the Hamilton-Jacobi method to the holonomic conservative system, when its position is determined by determining coordinates, the number of which exceeds the number of degrees of freedom the system, was determined by G. K. Suslov, who received the appropriate equation in individual derivatives.

In the above work, it is shown that the holonomicity of the mechanical system is a necessary and satisfactory condition for applicability of the Hamilton-Jacobi method to it.

Card 1/2

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5 EWT (d) AT5027502 VR/3021/64/000/242/0019/0023 gin. M. F. (Professor) ORG: Tashkent State University im. V. I. Lenin (Tashkentskiy gosudarstvennyy universitet) 16,44,55 TITLE: Criteria for integrability of Hamilton-Jacoby equations in excess coordinates SOURCE: Tashkent. Universitet. Nauchnyye trudy, no. 242, 1964. Voprosy analiticheskoy mekhaniki i podzemnoy gidravliki (Problems in analytical mechanics and underground hydraulics), 19-23 TOPIC TAGS: differential equation, mechanics ABSTRACT: The author considers the Hamilton Jacoby equations in excess coordinates (2) Card 1/2

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L 36294-66 SOURCE CODE: UR/0124/65/000/009/A005/A006 ACC NRI AR6000694

AUTHOR: Shul'gin, M. F.

B

TITLE: Integrability criteria for the Hamilton-Jacobi equation in excess coordinates

SOURCE: Ref. zh. Mekhanika, Abs. 9A44

REF SOURCE: Nauchn. tr. Tashkentsk. un-t, vyp. 242, 1964, 19-23

TOPIC TAGS: Hamiltonian Jacobi equation, differential equation solution, CORDINATE

The Hamilton-Jacobi equation written in excess coordinates ABSTRACT:

where

 $\frac{\partial S}{\partial t} + \sum_{\alpha} B_{\alpha} \frac{\partial S}{\partial q_{\alpha}} + H(t, q_{1}, \dots, q_{n}, \mathbf{p}_{m+1}, \dots, p_{n}) = 0$ $p_{m+v} = \frac{\partial S}{\partial q_{m+v}} + \sum_{\alpha=1}^{m} B_{v\alpha} \frac{\partial S}{\partial q_{\alpha}} (v = 1, 2, \dots, n-m)$

 $B_{v\alpha} = \sum_{v=1}^{n-m} A_{v\alpha}^{m+v} (q_{m+v}), \ \beta_{\alpha} = \beta_{\alpha} (t)$ is considered. Under the assumption that

the conditions for which the total integral of the equation has the form $S = \sum_{i=1}^{n} S_k(q_i, a_{m+1}, \dots, a_n) +$

+ S_{n+1} (t,a_{m+1},...,a_n) + a_{n+1} V. I. Kirgatov ∠Translation of abstract are investigated.

Card 1/1 SUB CODE: 20,

Prulovoe ryhovodotvo v kolkhoze / Raising fish in ponds on the collective ferm. Chkalov, Obl. aos. izd-vo, 1952. 48 p.

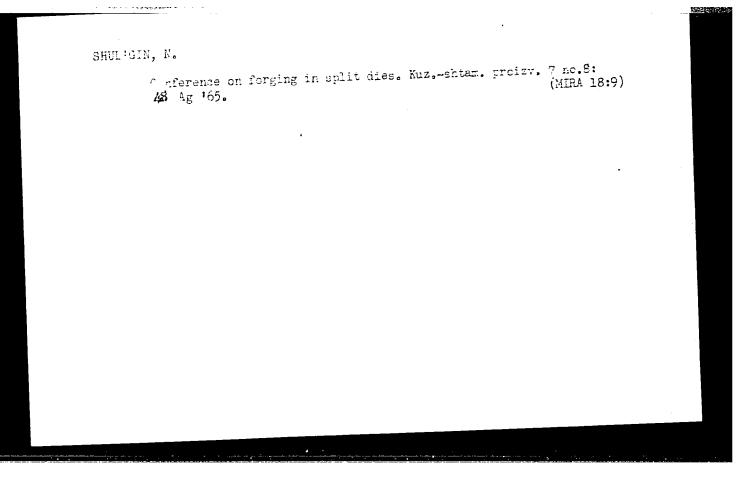
SO: Monthly List of Russian Accessions, Vol. 6, No. 2, May 1953

LOSAVIO, G., inzh.; SEMENOV, N., inzh.; SHUL'GIN, N., inzh.

Investigating the methods for electric and steam heating of engines before starting. Avt. transp. 36 no.8:20-22 Ag '58.

(MIRA 11:9)

(Automobiles--Cold weather operation)



NIKOLENKO, Yu.N.; SHUL'GIN, N.I.

Coordination conference on the mechanization of smith forging.

Kuz.-shtam.proizv. 7 no.2:46 F 165. (MIRA 18:4)

SHUL'GIN, N.V.

AID P - 1512

Subject

: USSR/Electricity

Card 1/1

Pub. 26 - 8/36

2000年20日 1900年20日 19

Authors

: Slednev, S. M., Eng., and Shul'gin, N. V., Eng.

Title

Fault location in the excitation windings of synchronous

machines

Periodical:

Elek. sta., 3, 26-29, Mr 1955

Abstract

: The authors describe a few simple methods of detecting a coil short and finding its location. One of these consists in fixing a magnetic clamp, another in applying a controlling coil. 6 drawings and diagrams

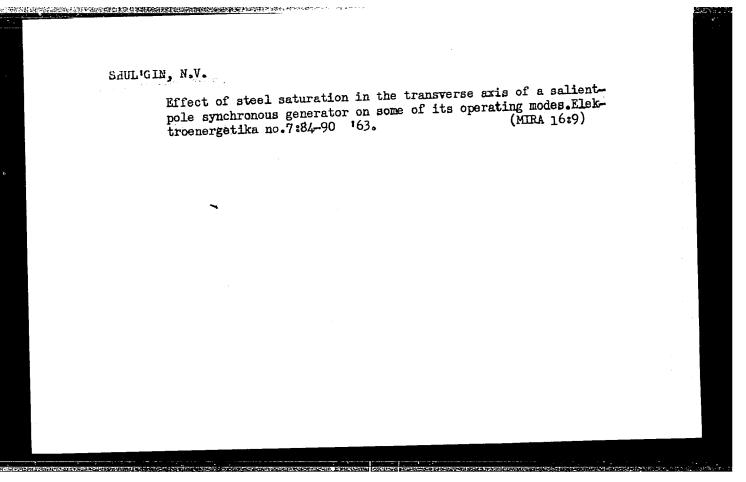
Institution:

None

Submitted : No date

CORUSHKIN, V.I.; SHULIGIN, H.V.

Individual consideration of the staturation of the rotor and stator of a synchronous machine. Elektroenergetika no.7272—stator of a synchronous machine. Elektroenergetika no.7273—(MIRA 16:9) 83 163.



MALYAVIN, A.G.; Prinimali uchastiye: ROMIN, A.V.; SAVICH, B.M.; STEL'MAKH, A.A.; SHUL'GIN, O.N.; YAKOVLEV, A.S.

Therapeutic effectiveness of furazolidon F-60. Zhur. mikrobiol. epid. i immun. 31 no.7:48-52 J1 '60. (MIRA 13'9)

1. Iz Gosudarstvennogo nauchno-kontrol'nogo instituta veterinarnykh preparatov Ministerstva sel'skogo khozyaystva SSSR.

(FURAZOLIDONE) (FURANS)

SHUL'GIN, P. I.

Shul'gin, P. I. --"Lagging of Electromagnetic Systems of the Time service of the Tashkent Astronomical Observatory." Cand Phys-Math Sci, Inst of Mathematics and Mechanics, Acad Sci Uzbek SSR, Tashkent 1953. (Referativnyy Zhurnal-Astronomiya, Jan 54)

So: SUM 168, 22 July 1954

1. r. s. shubigin

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- 4. Jattle Precing
- 7. Optimal periods for breeding heifers and cows of the Maroslavi breed. Bost. sel'khoz. no. 12. 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

CIA-RDP86-00513R001550130007-9 'APPROVED FOR RELEASE: 08/09/2001

L 22980-66

ACC NR: AP6008554

SOURCE CODE: UR/0166/66/000/001/0088/0089

AUTHOR: Shul'gin, P.I.; Kallistov, A.P.; Tonkikh, V.K.; Shcheglov, N.V.

ORG: Physics Technical Institute, AN UzSSR (Fiziko-tekhnicheskiy institut AN UzSSR)

TITLE: A photoelectric semiconductor water turbidity analyzer

SOURCE: AN Uzssr. Izvestiya. Seriya fiziko-matematicheskikh nauk, no. 1, 1966, 88-89

TOPIC TAGS: semiconductor device, turbidimeter, photoelectric effect, measuring instrument

ABSTRACT: This article describes a field photoelectric device by means of which it is possible to determine the turbidity of water in 1.5-2 min with an accuracy of at least 2-3%. The device was patented under Registration Certificate No. 36269, April 22, 1963. Silicon photocells manufactured in FTI AN UzSSR (Knigin, P.I., Dubrovskiy, L.A. "Izv. AN UzSSR," seriya fiz.-mat. nauk, 1962, no. 3) were used as sensors. The device also incorporates P-13 semiconductor triodes, a potentiometer, and resistors. The analyzer was tested in laboratory and field conditions. The laboratory tests showed that the calibrated curves fully represent the turbidity of the water. The field experiments were conducted at the hydrostations of Ak-Dzhar, Kyzyl-Kishlak (Syrdar'ya River), and Card 1/2

L 22980-66

ACC NR: AP6008554

the Kayrakkum water reservoir at various degrees of water depth, water turbidity, and velocity. The samples were processed at the Laboratory of Deposits of the Central Asiatic Expedition, State Hydrologic Institute (laboratoriya nanosov Sredneaziatskoy ekspeditsii Gosudarstvennogo gidrologicheskogo instituta). The readings of the device and its accuracy are at least of an order higher than the corresponding data obtained by means of existing methods of analysis of the turbidity of water. Orig. art. has: 2 figures.

SUB CODE: 14 / SUBM DATE: 10Apr64 / ORIG REF: 005

Card 2/2 1/2

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•	and application of electric motors of various types for asound recording equipment. They investigate the methods used for elabathating the effects of a cleatromagnetic strmy fields. Materials concerning the effects of delectromagnetic strmy fields will be published later. There are a Sowiet references.	M., and M.A. Onatsevich. Investigati metic Stray Fields Caused by Electric reding Equipment	The authors explain the basic methods of obtaining the representation effect by magnetic tape recording. They list the main characteristics of the reverberation designs and developed by TMAIZ, which is now successfully being employed in many organizations. At present the institute is developing a new model of a remote controlled magnetic reservements for lot production. There are 28 references in English, 8 Soviet, 5 German, 2 French, and I Hungarian.	This magnetic trape Recorders and the was developed by WAIZ, and after a long period of production it was redesigned and modernized to secure a mass production of high-quality magnetic tape opies. There are no references. Gelfcherg, G.A., and S.V. Shillighn, Magnetic Reverberation Chamber	"Sairney, Y.3. The MDD-54 Disc-type Distaphone (YMAIZ), the action briefly describes the MDD-54 distaphone (YMAIZ), used for sound recording on magnetic discs. The author lists the basic technical characteristics of this equipment. There are no reference. Sairney, Y.3. A Contact Copying Machine for Mass-copy MITM-1	Actymersmany, i.e. Enginetic Dison developed by VMAIZ, research and developent work was carried out at the Institute on magnetic disons the subnor discusse in detail the production of magnetic dison. She thanks Candidate of Technical Sciences P.M. Kozlov and Senior Sciencific Worker M.A. Tytinowa for that massiatene. There are la references M.A. Spatish, 3 German, 1 Polish, 1 Indian, and 1 Soviet.	COVERAGE: The articles are the results of research carried out TEALT in 1954-1955. Nost of the articles deal with magnetic recording, both for the recording of sound as well as for fix various physical processes on tape, wire, disp, or drum. Ref. appear separately after each article.	PCCE: This collection of articles may be useful to scientists, engineers, specialists, and technicians dealing with sound-recording techniques.	Editorial Board: L.P. Apollonova, V.S. Vaymboym, D.P. Vasilavskiy, A.A. Troblavskiy, S.A. Oribkova, L.O. Origorash, B.Ya. Kaznachey, V.I. Parkhomenko, L.A. Pusset, Ye.I. Regirer, M.A. Rozenbiat; Tech. Ed.: S.A. Oribkova.	Trady Typ. 2. (Transations of the All-Unior Scientific Institute) Nr 2. Moscow, 1957. Inserted. 1,000 copies printed.	Vsesoyuznyy nauchno-issiedovatel'skiy institut zvukozapisi	PHASE I BOOK EXPLOITATION		
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SHULIGIN, S.V.; BELYAKOV, V.M.

Magnetic reverberators and their uses. Trudy VMAIZ no.9:86-102
(MIRA 17:9)

(Electroacoustics) (Magnetic recorders and recording)

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SHUL'GIN, V.	UBSER/Astronautics Aircraft - Tanks, Fuel Aircraft - Fuel Supply "Unever Expenditure of Fuel from Wing Tanks," V. Shul'gim, 6 pp	"Vestmik Vordushnogo Flota" Ho 8 (342) Many times planes must make emergency landings because of lack of fuel, and upon investigation after landing it is discovered that although fuel was still available, passage of air through the intake tubes of a partially empty tank caused mistires in the engine. The emiliar states mathematical formulae for the correction of this mishap, and also gives some concrete.	A T T	
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SHUL'GIN, V.

Cathode follower in the pickup circuit. Radio no.10:32 0 '65.

(MTRA 18:12)

VOLKOVA, L.N.; DOROGUTIN, B.S.; SHUL'GIN, V.A.; USTINOVICH, B.P., red.; KUZNETSOV, G.A., red.; EGGERT, A.P., tekhn.red.

[Tapping and turpentining pine] Podsochka i osmolopodsochka sosny. Pod obshchei red. B.P.Ustinovicha. Moskva, Vses.koop.izd-vo. 1959. 182 p. (MIRA 13:8) (Pine)

SHUL'GIN, V.A.

Tree tapping with the use of sulfate paste under conditions prevailing in Karelia. Gidroliz i lesokhim. prom. 12 no.5:23 '59. (MIRA 12:10)

1. Sovet promyslovoy kooperatsii RSFSR. (Karelia--Tree tapping)

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SHULIGIN, V. A

New methods of tapping the trees. Prom.koop. 13 no.3:10-11 (MIRA 12:4) Mr 159.

1. Starshiy inzhener TSentral'noy nauchno-eksperimental'noy lesokhimicheskoy laboratorii Rospromsoveta. (Tree tapping)

Tapping of the plantations of the fourth and fifth class in northern regions. Gidecils. 1 leackhim. prom. 18 no.3:22-23 (65.

1. Kamigiscomillasprom.

SOV/137-58-8-16687

Translation from Referativnyy zhurnal, Metallurgiya, 1958, Nr 8, p 65(USSR)

AUTHOR: \Shul'gin, V.G.

TITLE

Employment of a Caustic Anolyte for Nickel "Dissolution Baths" (Primeneniye shchelochnogo anolita dlya nikelevykh "vann rastvoreniya")

PERIODICAL. Tr Leningr. tekhnol in-ta im. Lensoveta, 1957, Nr 43, pp 34-37

ABSTRACT: A new type of dissolution bath to supplement the Ni electrolyte in the electrowinning of Ni is suggested. It is proposed that dissolution at the anode be performed in the anolyte without addition of $\mathrm{H}_2\mathrm{SO}_4$. In order to prevent the deposition of Ni on the cathodes, they are covered with diaphragms filled with a solution of caustic. Upon electrolysis, H2 is liberated at the cathode, and the ions of Ni²⁺ moving from the anodes combine with the OH⁻ ions to form Ni(OH)₂ in the anode space and on the outside of the diaphragm. The dissolution of Ni takes place without consumption of acid, and the Ni(OH)2 formed replaces a corresponding amount of N1CO3 as the electrolyte is cleansed Card 1/2 of Fe. The economy attainable per year per 10,000 amps is

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001550130007-9"

SOV/137-58-8-16687

Employment of a Caustic Anolyte for Nickel "Dissolution Baths"

160 t H₂SO₄ and 160 t Na₂CO₃, which goes to the preparation of NiCO₃.

N.P.

1. Nickel carbonate—Preparation 2. Electrolytes—Properties 3. Electrolysis

Card 2/2

BAYKOV, B.K., mladshiy nauchnyy sotrudnik; SHUL'GIN, V.I., tekhnil. Prinimal uchastiye: KUZIN, N.D.

Apparatus for using automatic control in the continuous innoculation of animals. Pred. dop. kontsent. atmosf. zagr. no.7:99-104'63. (MIRA 16:10)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta gigiyeny imeni F.F.Erismana. (AIR -- POLLUTION) (AUTOMATIC CONTROL) (INNOCULATION)

ALEKSANDROV, A.M., inzh.; BAZHENOV, V.S., inzh.; BOBROVNIKOV, B.N., inzh.; VAGANOV, M.P., inzh.; GUREVICH, B.M., inzh.; DZHIBELLI, V.S., inzh.; DROBAKH, V.T., inzh.; ISAKOVICH, R.Ya., kand. tekhn. nauk; KAPUSTIN, A.G., inzh.; KONENKOV, K.S., inzh.; MININ, A.A., kand.tekhn.nauk; PEVZNER, V.B., inzh.; PESKIN, G.L., inzh.; PORTER, L.G., inzh.; PRYADILOV, A.N., inzh.; SLUTSKIY, L.B., inzh.; FEDGSOV, I.V., inzh.; FRENKEL', B.A., inzh.; TSIMBLER, Yu.A., inzh.; SHUL'GIN, V.Kh., inzh.; ESKIN, M.G., kand. tekhn. nauk; WHOB TEV, D.T., inzh. [deceased]; SINEL'NIKOV, A.V., kand. tekhn. nauk; SHENDLER, Yu.I., kand. tekhn. nauk, red.; NESMELOV, S.V., inzh., zam. glav. red.; NOVIKOVA, M.M., ved. red.; RASTOVA, G.V., ved. red.; SOLGANIK, G.Ya., ved. red.; VORONOVA, V.V., tekhn. red.

[Automation and apparatus for controlling and regulating production processes in the petroleum and petroleum chemical industries] Avtomatizatsiia, pribory kontrolia i regulirovaniia proizvodstvennykh protsessov v neftianoi i neftekhimicheskoi promyshlennosti. Moskva, Gostoptekhizdat. Book 3. [Control and automation of the processes of well drilling, recovery, transportation, and storage of oil and gas] Kontrol' i avtomatizatsiia protsessov bureniia skvazhin, dobychi, transporta i khraneniia nefti i gaza. 1963.

[MIRA 16:7]

(Petroleum production - Equipment and supplies)

"On the Actinometric Scale," by V. M. Shul'gin, Meteorologiya i Gidrologiya, No 4, Apr 57, pp 51-55

In recent years the attention of geophysicists has been attracted to the upper layers of the atmosphere, and the value of the solar constant each year undergoes a change which is reflected in corrections in the ultraviolet and infrared regions of the spectrum. Some authors give the value 1.98 cal/cm² per minute. This so-called astronomical solar constant refers to the upper boundary of the atmosphere. For actinometric calculations in the atmospheric layers near the earth, a practical importance is ascribed to the "meteorological" solar constant, which, according to many authors, is established at 1.80 cal/cm² per minute. For a more accurate determination of this value, a more

accurate absolute instrument must be developed for measuring the intensity of radiation in the lower layers of the atmosphere. The American "Standard No 5" still leaves much to be desired. It must be expected that Soviet geophysicists will concern themselves with its further development. It would be particularly timely, since the original idea of applying a black body and water jet belongs to the prominent Russian physicist, V. A. Mikhel'son. (U)

SUM. 1391

-11N, V. M.

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14-57-7-14547

Referativnyy zhurnal, Geografiya, 1957, Nr 7, Translation from:

p 45 (USSR)

AUTHOR:

Shul'gin, V. N.

TITLE:

Georgi Phology of Gornaya Shoriya (Skhema geomorfologii Gornoy Shorii)

PERIODICAL:

V sb: Tr. nauch. konferentsii Stalinskogo ped. in-ta.

Nr 1, Kemerovsk. kn. izd-vo, 1956, pp 225-231

ABSTRACT:

Gornaya Shoriya represents a fairly isometric multistage domed uplift, 350 m high on the periphery and up to 1570 m high at the center. Four leveled concentric surfaces of erosion can be clearly traced at the elevations of 1000 m to 1150 m, 800 m to 950 m, 600 m to 750 m, and 450 m to 550 m. Certain genetic relief types can be distinguished. These are: 1) mountainous tectonic-sculptured; 2) sculptured

erosional; 3) structural (stratified). The first type

Card 1/2

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SHUL'GIN, V.N., inzh.; ZHIGULENKO, L.N., nauchnyy sotrudnik; IVANOV, V.I., doktor tekhn.nauk

Production of woodpulp by alkaline chlorination. Bum.prom. 34 no.8:2-5 Ag '59. (MIRA 12:12)

1. Gosplan SSSR (for Shul'gin). 2. Institut organicheskoy khimii AN SSSR im Zelinskogo (for Zhigulenko, Ivanov).

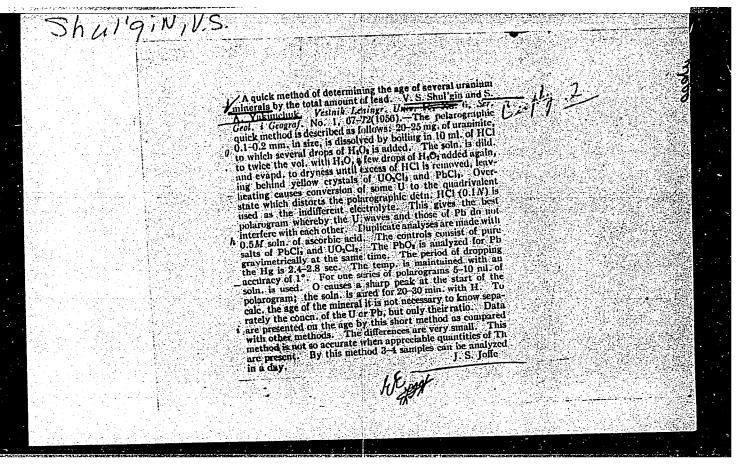
(Woodpulp)

SHUL'GIN, V.N.; MUDRIK, V.I.

Woodpulp and paper and paper processing industry of Cuba. Bum. prom. 37 no.3:30-31 Mr 162. (MIRA 15:3)

1. Gosplan SSSR (for Shul'gin). 2. Moskovskiy filial Gosudarstvennogo instituta po proyektirovaniyu predpriyatiy tsellyuloznoy i bumazhnoy promyshlennosti (for Mudrik).

(Cuba—Paper industry)



SHUL'GIN, V.V.

Device for continuous measurement of the specific weight of the cenent slurry. Heft.khoz. 38 no.5:24-28 My '60. (MIRA 13:8) (Oil well drilling fluids)

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001550130007-9"

SHUL'GIN, V.V.

Using a correction hydrometer for measuring the density of clay and cement muds. Burenia no.9:34-35 164.

(MIRA 18:5)

l. Vsesoyuznyy nauchno-issledovatel skiy i proyektno-konstruktorskiy institut kompleksney avtomatizatsii neftyanoy i gazovoy promyshlennosti.

* でのだらする 名間を表現し、 は 対策を対象を確認された。

ARETINSKIY, V.A.; MERINOV, I.I.; ORLOV, S.P., inzh., retsenzent
[deceased]; SHUL'GIN, Ya.A., inzh., retsenzent: SAVIN,
K.D., inzh., retsenzent; ZELEVICH, P.M., inzh., red.; BOEROVA, Ye.N.,
tekhn.red.
[Manual for bridge and tunnel foremen] Spravochnik mostovogo i tonnel'nogo mastera. Moskva, Transzheldorizdat.
1963. 519 p. (MIRA 17:2)

也是自己的公司的公司的公司的保持的大学的主义的的企业的企业的企业的企业的企业。

YEVDOKIMOV, I.I.; ALEKSKYEV, V.D.; ASHIKHMIN, A.K.; BAYEV, N.V.; BEGLAR'YAN, P.A.; BYCHKOV, I.A.; VESLOVA, Ye.T.; VYZHEKHOVSKAYA, M.F.; GURETSKIY, S.A.; DEMIDOV, I.M.; YESIPOV, Ye.P.; ZHUKOV, V.D.; ZELIHSKIY, M.G.; ZOL'NIKOV, F.T.; ZOLOTOVA, L.I.; KIVIN, A.N.; KOMARNITSKIY, Yu.A.; KONSTANTINOV, A.N.; KULICHITSKAYA, A.K.; MAKSIMENKO, I.I.; MELENT'YEV, A.A.; MOROZOV, I.G.; MURZIHOV, M.I.; OZEMBLOVSKIY, Ch.S.; OSTRYAKOV, K.I.; PANINA, A.A.; PAVLOVSKIY, V.V.; PERMINOV, A.S.; PERSHIN, B.F.; PRONIN, S.F.; PSHENNYY, A.I.; POKROVSKIY, M.I.; RASPONOMAREV, Ye.A.; SEMIN, I.N.; SKLYAROV, Yu.N.; TIBABSHEV, A.I.; FARBEROV, Ya.D.; FEDOROV, G.P.; SHUL'GIN, Ya.S.; YAKIMOV, I.A.; VERINA, G.P., tekhn.red.

[Labor feats of railway workers; stories about the innovators]
Trudovye podvigi zheleznodorozhnikov; rasskazy o novatorakh. Moskva,
Gos.transp.zhel-dor.izd-vo, 1959. 267 p. (MIRA 12:9)
(Railroads) (Socialist competition)

SHUL'GIN, Ya.S., inzh.

Our experience in landslide and washout control. Put' i put.khoz. 4 no. 5:9-12 My '60. (MIRA 13:11)

1. Zamestitel' nachal'nika sluzhby puti Severc-Kavkazskoy dorogi, Rostov-na-Donu.

(Railroad engineering)

SHUL'GIN, Ya. S., inzh.

We manufacture reinforced concrete elements. Put' i put. khoz. 6 no.8:19-21 '62. (MIRA 15:10)

1. Zamestitel' nachal'nika sluzhby puti, g. Rostov-na-Donu.

(Railroads—Maintenance and repair)
(Reinforced concrete)

: o: `; ; ** •••.	Mechanized drying of grasses and production of feed briquettes. Zhivotnovodstvo 21 no.5:17-21 by 159. (MIRA 12:7)	
	l. Vsesovuznyy nauchno-issledovatel'skiy institut mekhanizatsii sel'skogo khozyaystva. (Hay)	•

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001550130007-9"

ABRAMOVA, Ye.A.; BAZHENOV, N.M.; SHUL'GIN, Ye.I.

Nuclear magnetic resonance method of studying viscose fibers.

Khim.volok. no.2:33-35 *62. (MIRA 15:4)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR (for Abramova, Bazhenov). 2. Leningradskiy tekhnologicheskiy institut TsBP (for Shul'gin).

(Viscose—Spectra)

ABRAMOVA, Ye.A., BAZHEMOV, N.M. [deceased], SHUL GIN, Ye.L.

Using the method of nuclear magnetic resonance in the study of the structure of rayon fibers. Khim. volck. no.4:51-50 164. (MIRA 18:4)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.