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S/058/62/000/002/005/053
A058/A101

AUTHORS: Ryzhkov, V. M., Skrotskiy, G. V.

TITLE: Some special features of the free precession of atomic nuclei

PERIODICAL: Referativnyy zhurnal, Fizika, no. 2, 1962, 37, abstract 2V284 ("Tr. Ural'skogo politekhn. in-ta", 1961, v. III, 45-62)

TEXT: The cutoff process of polarizing magnetic fields in experiments on the free precession of nuclear magnetic moments is examined. It is shown that if the time in which the magnetic field changes direction is shorter than half the period of the Larmer precession of the nuclear magnetic moments, the nuclear magnetization vector does not manage to keep up with the field (anadiabatic case). In the case of slower rotations of the field, the nuclear magnetization vector does keep up with the field and free precession is not observed(adiabatic case). The effect of magnetic-field inhomogeneities on the amplitude of free precession is examined. It is shown that in the case of a constant gradient and a cylindrical specimen, the envelope of the oscillations of the free-precession signal can be expressed by a Bessel function of the first order, which corresponds to the

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Some special features of the free ...

appearance of well pronounced beats. Calculation results were substantiated experimentally.

N. Pomerantsev

[Abstracter's note: Complete translation]

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RYZHKOV, V.M.

Hoods for scavenging plugs used in cleaning gas pipes. Rats. i izobr. predl. v stroi. no.5:74-75 '58. (MIRA 11:6)

1.Lengazset'stroy, Leningrad, Nevskiy pr., d.7/9.
(Gas pipes--Cleaning)

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RYZHKOV, V.M., inzhener.

Table for drilling holes in building foundations and pedestals. Rats. i izobr.predl.v stroi. no.56:3-6 '53. (MLRA 9:7)
(Boring machinery)

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38347

S/058/62/000/005/048/119
A001/A101

9630

AUTHORS: Ryzhkov, V. M., Chirkov, A. K.

TITLE: Measuring weak magnetic fields by the electronic paramagnetic resonance method

PERIODICAL: Referativnyy zhurnal, Fizika, no. 5, 1962, 51, abstract 5V346 ("Tr. Ural'skogo politekhn. in-ta", 1961, no. III, 89-107)

TEXT: The problem of measuring weak magnetic fields by the electronic paramagnetic resonance method are considered in detail; this method makes it possible to conduct continuous measurements of a field, when paramagnetics with anomalously narrow absorption lines are used. The values 0.05 and 280 oersted are assumed as limits for employing the method. The fundamental diagram of electronic paramagnetic resonance magnetometer is described, and sensitivity of the method is estimated; it attains the values 2×10^{-5} - 8×10^{-3}% for fields from 10 to 1 oe. Accuracy of absolute field measurements, using the ДФПГ (DFPG) radical, is equal to 5×10^{-3}%; it is determined by the accuracy of measuring gyromagnetic ratio of electron in the given substance.

[Abstracter's note: Complete translation]

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38620
S/081/62/000/009/002/075
B177/B138

9,6130

AUTHORS: Ryzhkov, V. M., Chirkov, A. K.

TITLE: The measurement of weak magnetic fields by the electron paramagnetic resonance method

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 9, 1962, 21, abstract 9B114 (Tr. Ural'skogo politekhn. in-ta., sb. III, 1961, 89-107)

TEXT: A theoretical analysis is given of methods for measuring weak magnetic fields (of the terrestrial type) by e.p.r. It follows from this analysis that the maximum attainable accuracy of absolute measurements of weak magnetic fields, using the radical $\alpha\alpha$-diphenyl-β-picrylhydrazyl, is $5 \cdot 10^{-3}$%. This is governed by the accuracy with which the gyromagnetic ratio for an electron is measured. The maximum accuracy is attainable when e.p.r. is detected by the oscillator method for a magnetic field of not less than 4 oersteds. If other specimens are used, the accuracy of absolute measurements does not exceed $6 \cdot 10^{-2}$%. The accuracy of relative

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RYZHKOV, V.M.; SKROTSKIY, G.V.

Uses of free precession methods. Trudy Ural. politekh. inst. no.111:63-70 '61. (MIRA 16:6)

(Nuclei, Atomic)

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RYZHKOV, V.M.; CHIRKOV, A.K.

Measurement of weak magnetic fields by the method of electron paramagnetic resonance. Trudy Ural. politekh. inst. no.111: 89-107 '61. (MIRA 16:6)

(Magnetic fields--Measurement)
(Paramagnetic resonance and relaxation)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0"

RYZHKOV, V.M.; SKROTSKIY, G.V.

Some characteristics of the phenomenon of free nuclear precession. Trudy Ural. politekh. inst. no.111:45-62 '61. (MIRA 16:6)

(Nuclei, Atomic)

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L 21831-65 EWT(1)/EWG(k)/EPA(sp)-2/EPA(w)-2/ECC(b)/T/EEC(t)/EWA(m)-2 Pz-6/
Po-4/Pab-10/Pi-4 SSD/AFWL/ASD(a)-5/SSD(b)/AEDC(b)/ASD(f)-3/ASD(p)-3/AFETR/ B
RAEM(a)/ESD(gs)/IJP(c) AT

ACCESSION NR: AP5000834 S/0057/64/034/012/2120/2128

AUTHOR: Belensov, P. Ye.; Kapin, A. T.; Plyutto, A. A.; Ryzhkov, V. N.

TITLE: Instability of current in separation of charged particles from plasma

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 34, no. 12, 1964, 2120-2128

TOPIC TAGS: plasma, plasma instability, plasma flow, plasma relaxation oscillation, charged particle separation

ABSTRACT: Some results are presented of experimental investigations of stability conditions in a plasma flowing from an orifice under the action of an electric field. Specifically, the case of the separation of the electronic component from plasma is described. Some data concerning the peculiarities of the separation of the ionic components are given. The plasma was generated by a stationary arc in vacuum, between a magnesium cathode and a circular anode, with an arc current range of 25 to 250 amp at voltages up to 15 v. Two orifices, the first of variable diameter (from 0.5 to 2.5 cm) and the second with a fixed diameter of 14 mm, could be put under a voltage difference

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ACCESSION NR: AP5000834

up to 30 kv over a capacitor. The plasma concentration in the area of the first orifice at zero voltage was about (1 to 3) x 10^{11} particles per cm^3 with an electron temperature between 0.5 and 1.0 ev. The arrangement made it possible to maintain a quasi-stationary field condition at a slowly changing voltage difference. The different characteristics of plasma flow—the stationary flow, the transitory regime, and the unstable flow—were distinguished. The first displays the dependence of the current only on the fluctuation of the arc. The transitory regime is characterized by the possibility of relaxation oscillations, which may attenuate; the current does not depend appreciably on the inter-orifice voltage. With the unstable flow, modulation of the current between the orifices takes place within the whole range of applied inter-orifice voltages; the mean current value increases slowly with the voltage. The transition from one regime to another can be effected by a change of the arc current and by the initial voltage applied to orifices, i. e. initial field strength. Both possibilities were investigated and the results plotted. The dependencies of the form, period, and amplitude of the relaxation oscillations were studied in some detail. The relationships are

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ACCESSION NR: AP5000834

discussed in some detail and analytical expressions proposed. Orig. art. has: 9 figures and 3 formulas.

ASSOCIATION: none

SUBMITTED: 12Dec63 ENCL: 00 SUB CODE: ME, EM

NO REF SOV: 012 OTHER: 002 ATD PRESS: 3166

Card 3/3

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PLYUTTO, A.A.; RYZHKOV, V.N.; KAPIN, A.T.

High velocity plasma streams in vacuum arcs. Zhur. eksp. i teor. fiz. 47 no.2:494-507 Ag '64. (MIRA 17:10)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0"

BELENOV, E.M.; KAPLIN, A.T.; PLYUTTO, A.A.; RYZHKOV, V.N.

Current instability due to the separation of charged particles from a plasma. Zhur.tekh.fiz. 34 no.12:2120-2128 D '64.

(MIRA 18:2)

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L 13918-65 EWT(l)/EWG(k)/EWT(m)/EPA(sp)-2/EWA(d)/EPR/EPA(w)-2/EEC(t)/T/EWP(t)/EWP(b)/EWA(m)-2/EEC(b)-2 Pz-6/Po-4/Pab-10/Pad/Ps-4/Pi-4 IJP(c)/AEDC(b)/ASD(a)-5/AFETR/ASD(p)-3/SSD(b)/SSD/AEDC(a)/AFWL/ASD(f)-2/RAEM(a)/ESD(gs)/ESD(t)/ESD(gi) MJW/JD/HW/AT

ACCESSION NR: AP4043623 S/0056/64/047/002/0494/0507

AUTHOR: Plyutto, A. A.; Ry*zhkov, V. N.; Kapin, A. T. 8 B

TITLE: High speed plasma currents in vacuum arcs

SOURCE: Zh. eksper. i teor. fiz., v. 47, no. 8, 1964, 494-507

TOPIC TAGS: vacuum arc, plasma arc, plasma jet, plasma flow, ion energy, plasma charged particle distribution, cathode spot

ABSTRACT: This work is a sequel of a mechanism of ambipolar acceleration of ions by electrons, previously proposed by the authors (ZhETF v. 39, 1589, 1960), and is aimed at obtaining more precise experimental data. Tests were made of high-speed plasma currents in stationary vacuum arcs. The apparatus and the means adopted to stabilize the arcs are described. The plasma velocities were measured for cathodes made of Mg, Al, Ni, Cu, Ag, Zn, Cd, Pb, and brass (LS-59). The average energies of the ions of metals of the first group (Zn, 17

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Cd, Pb) were 5--10 ev, and those of the second group (Mg, Al, Ni, Cu, Ag) were 20--40 ev. The experiments also yielded sufficiently accurate values of the average velocity, the energy spectrum, and the plasma composition. Mass spectroscopy has shown the presence of appreciable amounts of doubly and triply charged ions in plasmas of the second group of metals. A model of the near-cathode region, with a peaked potential in the cathode-spot plasma, is proposed to explain the origin of the high-speed plasma streams. "The authors thank L. I. Chibanova for help with the work." Orig. art. has: 6 figures, 11 formulas, and 3 tables.

ASSOCIATION: None

SUBMITTED: 03Oct63 ENCL: 01

SUB CODE: ME NO REF SOV: 005 OTHER: 018

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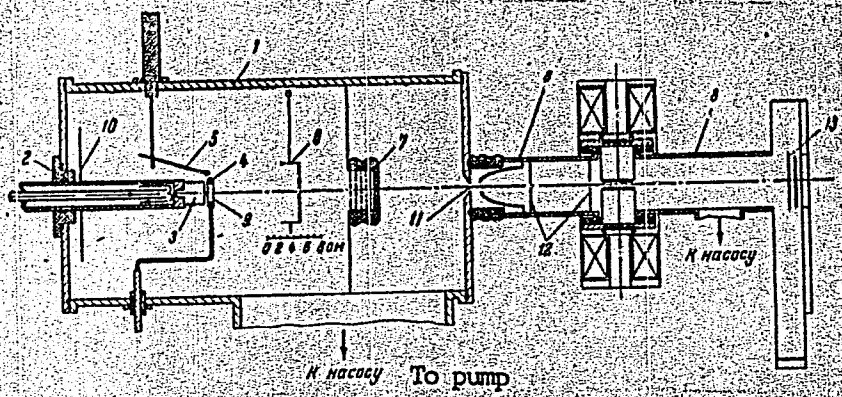

To pump

Fig. 1. Diagram of experimental setup:

1 - chamber, 2 - insulator, 3 - cathode, 4 - anode, 5 - tungsten rod, 6 - pendulum, 7 - probe-analyzer, 8 - mass-spectroscopic analyzer, 9 - cathode working surface, 10 -disc, 11 - aperture, 12 - aperture, 13 - screen

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RYZHKOV, V.S., inzh.

Current locus diagrams of asynchronous machines with phase and amplitude-phase control. Vest. elektroprom. 34 no.8:9-14 Ag '63. (MIRA 16:9)

(Electric machinery)

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RYZHKOV, V.S., inzh.

Locus diagrams of currents of a two-phase regulated asynchronous machine. Vest. elektroprom. 33 no.11:34-40 N '62. (MIRA 15:11)

(Electric machinery) (Automatic control)

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RYZHKOV, V.V.

Affine tangential bending of surfaces. Usp.mat.nauk 12 no.3:193-200 My-Je '57. (MIRA 10:10)

(Surfaces, Deformation of)

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0"

RYZHKOV, V.V. (Moskva)

Tangential bending of surfaces. Mat.sbor. 47 no.1:55-110 Ja '59.
(MIRA 12:1)

(Surfaces, Deformation of)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0
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KYZHKOV, VV

PHASE I BOOK EXPLOITATION 1087

Moskovskoye matematicheskoye obshchestvo

[Trudy, t. 7 (Transactions of the Moscow Mathematical Society, v. 7)]
Moscow, Fizmatgiz, 1958. 438 p. 1,500 copies printed.

Editorial Staff: Aleksandrov, P.S.; Gel'fand, I.M. and Golovin, O.N.; Ed.: Lapko, A.F.; Tech. Ed.: Yermakova, Ye.A.

PURPOSE: This book presents original articles submitted to the Moscow Mathematical Society and is intended for specialists in various fields of mathematics.

COVERAGE: Volume 7 contains 12 articles concerning problems in different fields of mathematics, including functional analysis, differential geometry and mathematical logic. All contributions in this volume are Soviet. Most of the articles deal with problems of functional analysis which reflect the present-day status and trend of this branch of mathematics.

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TABLE OF CONTENTS:

Berezanskiy, Yu.M. (Kiyev). On the Uniqueness Theorem in the Inverse Problem of Spectral Analysis for the Schrödinger Equation 1

The basic results given in this article were presented at the November 9, 1959 session of the Moscow Mathematical Society. The article contains the following sections:

Introduction:
1.) Certain results concerning hyperbolic equations; 2) Proof of the Uniqueness Theorem; 3) Statement of an inverse problem connected with the scattering of waves; References

Krasnosel'skiy, M.A. and Rutitskiy, Ya.B. (Voronezh)

Orlich Spaces and Nonlinear Integral Equations 63

The basic results given in this article were presented at the March 2, 1954 session of the Moscow Mathematical Society. The article contains the following sections: Introduction; 1) Basic definitions; 2) Splitting of linear

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integral operators; 3) Operator f; 4) Hammerstein operator; 5) Operator G; 6) Differentiability of the Hammerstein operator; 7) Applications to theorems of the existence of solutions and to eigenfunctions; References.

Kornblyum, B.I. (Kiyev). Generalization of Wiener's Tauberian Theorem and Harmonic Analysis of Fast Increasing Functions 121

The basic results given in this article were presented at the April 23, 1954 session of the Moscow Mathematical Society. The article contains the following sections: 1) Introduction; 2) Theorem of Wiener type; 3) Lemmas on spaces $L(-\infty,\infty;\alpha)$ and $M(-\infty,\infty;\alpha)$; 4) Lemmas on Fourier transformations; 5) Lemmas on functions analytic in a strip; 6) Proof of theorem I; 7) Ideals I_γ^+ and I_γ^-; 8) General Tauberian Theorems; 9) Theorem of Berling type; 10) Spectrum of fast increasing functions; References.

Ladyzhenskaya, O.A. (Leningrad). Solution of the First Boundary Value Problem on the Large for Quasilinear Parabolic Equations 149

The basic results given in this article were presented at the December 18, 1956 session of the Moscow Mathematical Society. The article contains the following sections: Introduction; Ch. I. A Priori Evaluations for the

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the following sections: Introduction; Ch.I. Conjugate Systems; 1) Designations and basic definitions; 2) Differential equation defining conjugate systems; 3) Condition for complete stratification of a conjugate system; Ch. II. Completely Stratifiable Conjugate Systems; 4) n-conjugate systems; 5) Conjugate Systems with one multidimensional component; 6) Completely stratifiable conjugate systems with several multidimensional components; 7) General remarks on complete stratifiable conjugate systems; References.

Fage, M.K. (Chernovitsy). Operationally Analytic Functions of One Independent Variable [Functions Defined by an Ordinary Linear Differential Operator L of an Arbitrary Order With Continuous Coefficients] 227
The basic results given in this article were presented at the October 30, 1956 session of the Moscow Mathematical Society. The article contains the following sections: Introduction; 1) L-bases; 2) L-analytic polynomials; 3) Taylor's L-formula; 4) Taylor's L-series; 5) L-holomorphic functions; 6) L-analytic functions. Uniqueness theorem; 7) Regularly convergent sequences of L-analytic functions; 8) Operator with analytic coefficients; 9) Local equivalency of operators of an equal order; 10) Cauchy problem in the region of double operationally holomorphic functions; References.

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Levitan, B.M. Differentiation of Eigenfunction Expansion of the Schrödinger Equation 269
The basic results given in this article were presented at the October 4, 1955 session of the Moscow Mathematical Society. The article contains the following sections: Introduction; 1) Solution of Cauchy problem; 2) Evaluation for arbitrary eigenfunctions; 3) Evaluation of derivatives of eigenfunctions in the case of an infinite region; 4) Differentiation of eigenfunction expansion; 5) The case of $q(x) \to +\infty$ at $|x| \to \infty$; References.

Men'shov, D.Ye. Limit Functions of a Trigonometric Series 291
The basic results given in this article were presented at the April 16, 1957 session of the Moscow Mathematical Society. The article contains the following sections: 1) Introduction. [Basic definitions and formulation of three theorems]; 2) [Preliminary remarks, definitions and auxiliary theorems needed to prove theorem II. Proof of theorem II[; 3) [Definitions and lemmas needed to prove theorem III]; 4) [Proof of Theorem III;] 5) Derivation of theorem I from theorems II and III; References.

Grayev, M.I. Unitary Representations of Real Simple Lie Groups 335
This article was presented at the January 20, 1956 Session of the All-Union Conference on Functional Analysis and its Applications. The article contains the following sections: Introduction; 1) G_{pq} group; parameters and an invariant measure of G_{pq} group;

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2) Generalized linear elements and transitive manifolds; 3) Discrete series of representations of type 1; 4) Irreducibility of representations of a discrete series; 5) Traces of representations of a discrete series; 6) Indiscrete basic series of unitary representations of $G_{p,q}$ group; References.

Muchnik, A.A. Solution of Post's Reducibility Problem and of Certain Other Problems of the Theory of Algorithms. I. Basic results of the article were presented at the October 16, 1956 session of the Moscow Mathematical Society. The article contains the following sections: Introduction; Ch. I. Functional Representation of Partially Recursive Operators; 1) Cortege and quasi-cortege; 2) Functional representations of operators; 3) Universal partially recursive operator; 4) Calculation [solution] of M - [Medevedev] problems; Ch.II. Decision Problems of Enumerable Sets; 1) Semilattices $\mathcal{U}(p)$; 2) Post's reducibility problem; References. 390

Muchnik, A.A. Isomorphism of Systems of Recursively Enumerable Sets With Effective Properties 407

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The basic results given in this article were presented at the December 17, 1957 session of the Moscow Mathematical Society. The article contains the following sections: 1) Introduction; 2) On the correspondence (reducibility) of systems of sets; 3) Effective inseparability; 4) Quasi-effective properties; References.

Raykov, D.A. Completely Continuous Spectra of Convex Spaces 413

Basic results given in this article were presented at the December 3, 1957 session of the Moscow Mathematical Society. The article contains the following sections: Introduction; 1) Preliminary information and agreements of a general character; 2) Preliminary information on projective limits; 3) Preliminary information on inductive limits; 4) Spaces of type (S); 5) Spaces of type ($\overline{S}$); 6) Spaces of type ($\overline{S}'$); 7) Preliminary information from the theory of duality; 8) Conjugate mappings; 9) Duality of classes ($\overline{S}$) and ($\overline{S}'$); 10) Nondegenerated spectra; References.

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RYZHKOV, V.V.

Deformation of a Cuclidean E_N surface with conservation of a conjugate system. Sbor.trud.MIISI no.38:86-112 '60. (MIRA 14:10)
(Surface)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0"

RYZHKOV, V.V.

Condition on which points within a plane set of points may lie on second-order curve. Sbor.trud.MISI no.38:119-120 '60. (MIRA 14:10)

(Aggregates)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0"

RYZHKOV, V.V.

Pencil of second-order curves osculating a plane curve. Sbor. trud.MISI no.38:113-118 '60. (MIRA 14:10)
(Curves, Algebraic)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0
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ZELENETSKIY, P.K., polkovnik meditsinskoy sluzhby; SHLEYFER, Z.L., podpolkovnik meditsinskoy sluzhby; RYZHKOV, V.V., mayor meditsinskoy sluzhby

Organization of oxygen therapy in a garrison hospital and the use of oxygen apparatus under field conditions. Voen.-med. zhur. no.11:77-78 N '61. (MIRA 15:6)

(OXYGEN--THERAPEUTIC USE)

RYZHKOV V.V.
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001414520019-0
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001414520019-0

Ryzhkov, V. V. On a question about the projective deformation of congruences. Doklady Akad. Nauk SSSR (N.S.) 59, 17–20 (1948). (Russian)

L'auteur rapporte la congruence étudiée à son tétraèdre de Wilczynski et cherche si la déformation projective peut ou non dépendre de fonctions arbitraires; il obtient ainsi les deux résultats suivants. Premièrement, pour une congruence qui n'est pas W et dont les nappes focales ne sont dégénérées ni ponctuellement ni tangentiellement, la déformation ne peut dépendre que de constantes arbitraires. Deuxièmement, les seules congruences à surfaces focales non dégénérées, dont la déformation dépend de fonctions arbitraires, sont les congruences W à surfaces focales réglées et les congruences projectivement applicables sur elles.

Si l'on passe à une congruence W quelconque, cette congruence est projectivement applicable sur sa congruence transformée par dualité, mais peut-être pas par déformation projective continue; pourtant, toute congruence C projectivement applicable sur une congruence C_1 appartenant à un complexe linéaire est déformable d'une façon continue en cette congruence C_1 ou en la transformée C_2 de C_1 par dualité; ce résultat est valable pour toute congruence Γ applicable sur une congruence C à surfaces focales réglées. Il possède ∞¹ complexes linéaires osculateurs, C en possède ∞¹; l'applique aussi sur une congruence C_1 appartenant à un complexe linéaire, laquelle n'a qu'un complexe linéaire osculateur. Par suite, au point de vue de la déformation projective, les congruences à nombre égal de complexes linéaires osculateurs ne forment pas une classe fermée, comme dans le cas particulier d'É. Cartan. — *B. Gambier.*

Source: Mathematical Reviews, Vol 9 No. 7

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84654

S/020/60/135/001/004/030
C111/C222

16.5600

AUTHOR: Ryzhkov, V.V.

TITLE: Tangentially Degenerated Surfaces 16

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 135, No. 1, pp 20-22

TEXT: Let the surface V_n of an affine or projective space have a family of tangents E_n depending on r $(0 \leq r \leq n)$ parameters ; r is called surface rank ; if $0 < r < n$, then the surface is called tangentially degenerated. On surfaces with $r < n$ cf. papers of M.A. Akivis (Ref. 1) and S.I. Savel'yev (Ref. 2, 5).

A surface $\bar{\eta}(u^i)$ of the E_N is called parallel to the surface $\bar{\xi}(u^i)$ if the tangenting planes are parallel in corresponding points of the surfaces. Here it is assumed that the dimension of $\bar{\xi}(u^i)$ equals n , but those of $\bar{\eta}(u^i)$ equals $n_1 \leq n$.

In (Ref. 3) the author proposed the following method for constructing a

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Tangentially Degenerated Surfaces

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tangentially degenerated surface: Let $\overset{o}{\xi}(u^i)$, $i = 1,2,\ldots,p$, be an arbitrary p-dimensional surface and $\overset{1}{\eta}(u^i)$, $\overset{2}{\eta}(u^i),\ldots,\overset{q}{\eta}(u^i)$, be q surfaces parallel to it, where the corresponding points $\overset{o}{\xi}$, $\overset{1}{\eta}$, ..., $\overset{q}{\eta}$ determine an E_q which intersects the E_p being tangential to the surface $\overset{o}{\xi}$. Then the surface described by the p - parametric family of this E_q is a (p + q)- dimensional surface of the rank $r \leq p$. Putting $\overset{s}{\xi} = \overset{s}{\eta} - \overset{o}{\xi}$, then the equation of this surface can be written in the form

$$(1) \qquad \overline{x}(u^i,v) = \overset{o}{\xi} + \sum_{s=1}^{q} v^s \overset{s}{\xi} .$$

Theorem 1: Every (p + q) - dimensional surface of the rank p (but not < p) lying in E_N (but not in E_{N-1}) can be obtained by the motion of the E_q determined by the (q + 1) points : by the point of the p - dimensional surface $\overset{o}{\xi}(u^i)$ and by the q points corresponding to it of the surfaces $\overset{s}{\eta}(u^i)$

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Tangentially Degenerated Surfaces

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parallel to it. Here it always can be assumed that 1.) $\overset{o}{\xi}(u^i)$ (and consequently the surfaces parallel to it) belong to E_{N-q} which intersects the generating line E_q in a point (within a region of the u^i); 2.) the dimensions of the osculating plane of the given surface and the $\overset{o}{\xi}$ are combined by the relation $\varsigma = \varsigma_o + q$; 3.) the surface $\overset{o}{\xi}$ has the rank p . (Here ς is the dimension of the osculating plane of the given surface $\overline{x}$; ς_o is the dimension of the osculating plane of $\overset{o}{\xi}$).

Theorem 2: Every $(p + q)$ - dimensional surface of the rank p and the dimension of the osculating plane $\varsigma > q + \frac{p(p+1)}{2} + 1$ is a cone with a $(q - 1)$ dimensional vertex.

Theorem 3: If a $(p + q)$ - dimensional surface of the rank p admits an intersection with the plane E_{N-q} which carries no completely conjugate system

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(cf. (Ref. 3)), then it is a cone with a (q - 1) - dimensional vertex.
There are 5 references: 4 Soviet and 1 French.

ASSOCIATION: Moskovskiy inzhenerno-stroitel'nyy institut imeni V.V. Kuybysheva (Moscow Architectural-Engineering Institute imeni V.V. Kuybyshev)

PRESENTED: June 11, 1960, by P.S. Aleksandrov, Academician
SUBMITTED: May 27, 1960

Card 4/4

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0
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RYZHKOV, V. V.

Ob izgibanii na glavnom osnovanii, soderzhashchem odno semeystvo konicheskikh liniy. Dan, 33 (1941), 287-289.

SO: Mathematics in the USSR, 1917-1947
edited by Kurosh, A. G.,
Markushevich, A. I.,
Rashevskiy, P. K.
Moscow-Leningrad, 1948

RYZHKOV, "APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0
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O kongruentsiyakh ploskikh algebraicheskikh krivykh. Dan, 41 (1943), 202-204.

SO: Mathematics in the USSR, 1917-1947
edited by Kurosh, A. G.,
Markushevich, A. I.,
Rashevskiy, P. K.
Moscow-Leningrad, 1948

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16(1) SOV/39-47-1-4/8

AUTHOR: Ryzhkov, V.V. (Moscow)

TITLE: Tangential Deformation of Surfaces (Tangentsial'noye izgibaniye poverkhnostey)

PERIODICAL: Matematicheskiy sbornik, 1959, Vol 47, Nr 1, pp 55-110 (USSR)

ABSTRACT: The present paper is a very detailed representation of results of the author [Ref 1,3,4] already announced elsewhere. Partly the elaborations overlap with other publications of the author [Ref 2,5,12]. The paper consists of seven paragraphs in which the author proves 31 theorems and lemmas. There are 12 references, 8 of which are Soviet, 2 American, 1 French, and 1 Italian.

SUBMITTED: May 30, 1957

Card 1/1

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RYZHKOV, V.V.

Ryžkov, V. V. On metric deformations of different orders. Uspehi Matem. Nauk (N.S.) 5, no. 4(38), 134–135 (1950). (Russian)

If two subspaces of order s in R_N given by $\bar{x}=\bar{x}(u_1, \cdots, u_n)$ and $\bar{y}=\bar{y}(u_1, \cdots, u_n)$ are to be metrically applicable of order k it is necessary and sufficient that the scalar products of any two vectors of the form $\partial^m\bar{x}/\partial u_1^{\alpha_1}\cdots\partial u_n^{\alpha_n}$, $\sum\alpha_i=m\leqq k$, should have the same values for the two spaces at the points corresponding to any set $u_1, \cdots, u_n$. Since these conditions are not necessarily independent, the author introduces a system of forms $(d^s\bar{x})^2$, $s=1, \cdots, k$, in terms of which the conditions become $\omega_s(u, du)=(d^s\bar{x})^2=(d^s\bar{y})^2$. The forms ω_s define a Riemannian differential geometry of order k and the system ω_s is positive definite if the Gramian matrix of the ω's is positive definite. In this case, $\omega_s(u, du)$ being given, one can find $\bar{x}$ in a space of N dimensions, where $N=\sum_{m=1}^{k}\binom{n+m-1}{n-1}$ such that $(d^s\bar{x})^2=\omega_s$. If the vectors $\partial^s\bar{x}/\partial u_1^{\alpha_1}\cdots\partial u_n^{\alpha_n}$, $s\leqq 2k$, $\alpha\leqq\min(s, 2k-s)$, are linearly independent, the applicability depends on N_1 functions, where $N_1=\sum_{m=0}^{k-1}\binom{n+m-1}{n-1}(k-m)/(2m+1)$.

M. S. Knebelman (Pullman, Wash.)

Source: Mathematical Reviews, Vol. 12, No. 5

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001416520018-0

RYZHKOV

Ryžkov, V. V. An imbedding theorem for Riemannian geometries of higher order. Doklady Akad. Nauk SSSR (N.S.) 75, 503–506 (1950). (Russian)

Here relations between n-dimensional surfaces $\bar{x}=\bar{x}(u_i)$, $\bar{y}=\bar{y}(u_i)$, $i=1,\cdots,n$, in euclidean R_N are discussed, where isometry, that is, equality of the forms $\omega_1=d\bar{x}^2$ and $\omega_1'=d\bar{y}^2$, is replaced by conditions

$$\frac{\partial^{\alpha_1+\cdots+\alpha_n}\bar{x}}{\partial u_1^{\alpha_1}\partial u_2^{\alpha_2}\cdots\partial u_n^{\alpha_n}}\cdot\frac{\partial^{\beta_1+\cdots+\beta_n}\bar{x}}{\partial u_1^{\beta_1}\partial u_2^{\beta_2}\cdots\partial u_n^{\beta_n}}=\frac{\partial^{\alpha_1+\cdots+\alpha_n}\bar{y}}{\partial u_1^{\alpha_1}\partial u_2^{\alpha_2}\cdots\partial u_n^{\alpha_n}}\cdot\frac{\partial^{\beta_1+\cdots+\beta_n}\bar{y}}{\partial u_1^{\beta_1}\partial u_2^{\beta_2}\cdots\partial u_n^{\beta_n}},$$

$$1\leq\alpha_1+\cdots+\alpha_n\leq k,\quad 1\leq\beta_1+\cdots+\beta_n\leq k.$$

It is sufficient for this that the forms $\omega_s=(d^s\bar{x})^2$, $\omega_s'=(d^s\bar{y})^2$ are pairwise equal for $s=1,2,\cdots,k$. A case of the work done by Schlaefli, Janet and Cartan on imbedding problem (for $k=1$ is here generalized for arbitrary k. The result is given by the theorem that if a set of forms $\omega_s(u_1,\cdots,du_i)$, $s=1,2,\cdots,k$ is given (analytical coefficients, positive definite, order $2s$) then there exists a surface $\bar{x}=\bar{x}(u)$ with $(d^s\bar{x})^2=\omega_s$, in a euclidean R_N,

$$N=\sum_{s=1}^{k}\frac{n(n+1)\cdots(n+s-1)}{(2s)!}.$$

In the case that for the $\bar{x}$ all vectors $d\bar{x}, d^2\bar{x}, \cdots, d^k\bar{x}$, $\delta^1\bar{x}, \cdots, \delta^{k-1}\bar{x}$ are linearly independent, then the $\bar{x}$ may depend on

$$N_1=\sum_{s=1}^{k}\frac{n(n+1)\cdots(n+s-1)}{(2s+1)!}(n+2s)$$

functions of $n-1$ variables. (Here δ is differentiation with u_i constant.)

D. J. Struik (Cambridge, Mass.)

Source: Mathematical Reviews, Vol 13 No. 8

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"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0"

RYZHKOV, V.V., Doc Phys Math Sci -- (diss) "Study of the bending of surfaces of a multidimensional space (Bending of higher orders and tangential bending)." Mos, 1959, 11 pp (Mos State Univ im M.V. Lomonosov) 150 copies (KL, 35-59, 111)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0
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RYZHKOV, V.V.

On the order of applicability of surfaces with corresponding conjugate systems. Dokl. AN SSSR 110 no.3:338-340 S '56.
(MLRA 9:12)

1. Predstavleno akademikom P.S. Aleksandrovym.
(Surfaces) (Geometry, Differential)

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RYZHKOV, V.V.

Metric tangential deformation of surfaces. Dokl.AN SSSR 111 no.4: 763-765 D '56. (MLRA 10:2)

1. Predstavleno akademikom A.N.Kolmogorovym.
(Surfaces, Representation of)

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0

Ryžkov, V. V. On a transformation of a pair of imposed surfaces. Doklady Akad. Nauk SSSR (N.S.) 95, 25–27 (1954). (Russian)

Two euclidean spaces R'_N and R''_N imposed on a euclidean space R_N are given by the radius vectors $\overrightarrow{OM'} = \bar{x}$ and $\overrightarrow{OM''} = \bar{y}$, where O is a fixed point in R_N. The pair of points x, y is carried into the pair $\bar{\xi}, \bar{\eta}$ by means of the transformation $\bar{\xi} = k\bar{x}$, $\bar{\eta} = k\bar{y}$, which is a similitude when k = constant. The case studied in this paper is that in which $k = c/(x^2 - y^2)$, c a constant; these transformation are called quasisimilar. The behavior of certain pairs of n-dimensional surfaces is studied, especially under Laplace transformations.

D. J. Struik (Cambridge, Mass.).

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RYZHKOV, V. V.

RYZHKOV, V. V., SHIRNOVA, V. A., and GORODSKAYA, O. S. "On the Mechanism of the Inhibition of the Autoreproduction of Tobacco Mosaic Virus by Thiamine," Biokhimiia, vol. 11, 1946, pp. 197-202, 385 B523.

SO: SIRA - SI. 90-53. 15 Dec. 1953

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0
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RYZHKOV, V.V.

Transformation of a pair of superposable surfaces. Dokl.AN SSSR 95 no.1:25-27 Mr '54. (MLRA 7:3)
(Surfaces) (Transformations (Mathematics))

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0
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RYZHKOV, V.V.

Tangentially degenerated surfaces. Dokl. AN SSSR 135 no.1:20-22 N'60. (MIRA 13:11)

1. Moskovskiy inzhenerno-stroitel'nyy institut im. V.V.Kuybysheva. Predstavleno akademikom P.S.Aleksandrovym.
(Surfaces)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0
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BYZHKOV, V. V. Major of the Medical Service--Organization of Oxygen Theraphy in a Garrizon Hospital and the Application of the Oxygen Apparatus under Field Conditions. ZELENETSKIY, P.K. and SHLEYFER, Z.L.

Voyenno-Meditsinskiy Zhurnal, No. 11, 1961, pp. 70-79.

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0
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RYZHKOV, V.Ye., mashinist

Protective tree planting contributes to savings in electric power for train traction. Elek.i tepl.tiaga 5 no.11:45 N '61. (MIRA 14:11)

1. Depo Barabinsk Zapadno-Sibirskoy dorogi.
(Electric locomotives)
(Windbreaks, Shelterbelts etc.)

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RYZHKOV, Ye.M.; SUKHOTIN, A.M. (Leningrad)

Association of ions in solutions. Part 8: Temperature dependence of dissociation constants. Zhur.fiz.khim. 35 no.6:1321-1326 Je '61. (MIRA 14:7)

1. Gosudarstvennyy institut prikladnoy khimii.
(Electrolyte solutions)

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KRASIKOV, B.S.; RYZHKOV, Ye.M.

Regularities in the discharge of copper ions in the presence of tribenzylamine. Uch.zap.LGU no.272:31-39 '59.
(MIRA 13:1)

(Copper) (Tribenzylamine)

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RYZHKOV, Ye.M.; SUKHOTIN, A.M. (Leningrad)

Ionic association in solution. Part 10. Zhur.fiz.khim. 36 no.10:2205-2208 O '62. (MIRA 17:4)

1. Gosudarstvennyy institut prikladnoy khimii, Leningrad.

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SUKHOTIN, A.M.; RYZHKOV, Ye.M. (Leningrad)

Characteristics of the electric conductivity isotherms of monovalent salts in solutions of low dielectric constant. Zhur. fiz. khim. 34 no.4:762-767 Ap '60. (MIRA 14:5)

(Alkali metal halides) (Electric conductivity)

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S/076/60/034/04/10/042
B010/B009

AUTHORS: Sukhotin, A. M., Ryzhkov, Ye. M. (Leningrad)

TITLE: On the Characteristics of the Isotherms of Electrical Conductivity of 1-1-valency Salts in Solutions With Low Dielectric Constants

PERIODICAL: Zhurnal fizicheskoy khimii, 1960, Vol. 34, No. 4, pp. 762-767

TEXT: A systematic study of the effect of the dielectric constant upon the properties of solutions of simple mineral salts was carried out. In the present paper data concerning the conductivity, viscosities, and dielectric constants of the solutions of NaI, LiCl, LiBr, LiT and $(iso\text{-}C_5H_{11})_4NI$ in mixtures of hexane and butanol are given. The dielectric constants were determined with the aid of an IE-2 capacitance meter. The resistivity of solutions with electrical conductivities between 10^{-6} and $10^{-11}\ \Omega^{-1}\ cm^{-1}$ was measured by means of a direct-current instrument with the aid of a reflecting galvanometer of type M-21. The solutions with electrical conductivities in the interval $3.10^{-14} < x < 10^{-11}\ \Omega^{-1} cm^{-1}$ were investigated by means of a ballistic galvanometer of type GZB-47 and a

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standard capacitor of type ME-4 (Fig. 1, Scheme of the Arrangement). Table 1 contains the values measured for the dielectric constants, densities, and electrical conductivities of butanol-hexane mixtures, Table 2 the values of the dielectric constants and viscosities of several solutions, Table 3 the values of the electrical conductivities of the solutions at 25°C. The maximum observed in the conductivity isothermal lines is determined by the increase in viscosity. The sharp rise of the isotherm after the minimum is believed to be due to the lower activity coefficients of the ions as well as to the increase in the dielectric constants of the solutions on account of the higher salt concentrations. The dissociation constants of the ion pairs were calculated (Table 4), and it was shown that the theoretical equation by Bjerrum (Ref. 6) and A. M. Sukhotin (Ref. 7) satisfactorily represents the dependence of the dissociation constant upon the dielectric constant of the solvent. There are 2 figures, 4 tables, and 9 references, 6 of which are Soviet.

SUBMITTED: June 14, 1958

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RYZHKOV, Ye.M.; SUKHOTIN, A.M. (Leningrad)

Electrochemical study of solutions of HCL in solvents of low dielectric constants. Zhur.fiz.khim. 34 no.5:983-989 My '60. (MIRA 13:7)

1. Gosudatstvennyy institut prikladnoy khimii.
(Hydrochloric acid)
(Electrolytes—Conductivity)
(Dielectric constants)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0
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SUKHOTIN, A. M.; RYZHKOV, Ye. M.

Association of ions in solutions. Part 11: Verification of the Reiss theory. Zhur. fiz. khim. 36 no.12:2693-2698 D '62. (MIRA 16:1)

1. Leningradskiy institut prikladnoy khimii.

(Ionization)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0"

RYZHKOV, Ye.M.; SUKHOTIN, A.M.

Electrochemical study of HCl solutions in solvents of low dielectric constants. Part 2. Zhur.fiz.khim. 34 no.7: 1402-1406 Jl '60. (MIRA 13:7)

1. Gosudarstvennyy institut prikladnoy khimii, Leningrad.
(Hydrochloric acid) (Electromotive force)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0"

SUKHOTIN, A.M.; RYZHKOV, Ye.M. (Leningrad)

Ionic association in solutions. Part 6: Solutions of $CaCl_2$ in butanol - hexane mixtures. Zhur. fiz. khim. 34 no.12:2748-2751 D '60. (MIRA 14:1)

1. Gosudarstvennyy institut prikladnoy khimii.
(Calcium chloride) (Butanol) (Hexane)

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Ryzhkov, Ye. M.

5(2) PHASE I BOOK EXPLOITATION SOV/2946

Leningrad. Universitet

Voprosy khimii (Problems in Chemistry) [Lengingrad] Izd-vo Leningradskogo univ., 1959. 160 p. (Series: Its: Uchenyye zapiski, no. 272) (Series: Leningrad. Universitet. Khimicheskiy fakultet. Uchenyye zapiski. Seriya khimicheskikh nauk, vyp. 18) 1,600 copies printed.

Resp. Ed.: A. G. Morachevskiy; Ed.: Ye. V. Shchemeleva; Tech. Ed.: S. D. Vodolagina.

PURPOSE: This book is intended for chemists in research and industry as well as for teachers and students in chemical vuzes.

COVERAGE: This collection of eighteen articles on various branches of chemistry, mainly physical and analytical, was compiled on the basis of experimental research by the Chemistry Department of Leningrad University. The articles deal chiefly with methods of isolating rare earths in pure form and identifying them. No personalities are mentioned. References accompany individual articles.

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Morachevskiy, Yu. V., and G. V. Yefremov. The Problem of Analytically Determining Thallium in Ores and Industrial Waste Products 105

Morachevskiy, Yu. V., and A. I. Novikov. Coprecipitation of Small Amounts of Several Elements With Metal Hydroxides. I. Coprecipitation of Strontium With Iron, Titanium, Aluminum and Beryllium Hydroxides 112

II. Coprecipitation of Small Amounts of Rare Earth Elements With Iron, Titanium, Aluminum and Beryllium Hydroxides 123

III. Coprecipitation of Cesium, Rhenium and Zirconium With Iron Oxide 129

Morachevskiy, Yu. V., and V. N. Zaytsev. Coprecipitation of Small Amounts of Rare Earth Elements With Metal Hydroxides. IV. Coprecipitation of Europium With Iron- and Aluminum-Hydroxides 134

APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0"

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S/076/60/034/007/011/042/XX
B004/B063

AUTHORS: Ryzhkov, Ye. M. and Sukhotin, A. M.

TITLE: Electrochemical Study of HCl Solutions in Solvents With Low Dielectric Constants. II

PERIODICAL: Zhurnal fizicheskoy khimii, 1960, Vol. 34, No. 7, pp. 1402-1406

TEXT: In Ref. 1, the authors studied the electrical conductivity of HCl solutions in butanol and butanol-hexane mixtures, and calculated the dissociation constant K_d of HCl in the mixtures. For solutions in pure butanol, it is impossible to perform this calculation. Therefore, K_d is determined in this paper by measuring the e.m.f. of the cell $Pt(H_2)|HCl+butanol|AgCl-Ag$ at 25°C. A compensation method was used in the measurements. A ППТВ-1 (PPTV-1) potentiometer equipped with an ЛУ-2 (LU-2) tube amplifier was used, the pointer galvanometer of which had been replaced by an М-21 (M-21) mirror galvanometer. Results are given in a table and a figure. A correction for atmospheric pressure and vapor pressure of HCl in butanol was intro-

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duced; with the HCl vapor pressure being measured by a method suggested by N. A. Kupina and A. A. Ravdel'. The relation $E = E^{o} - (2RT/F)\ln c - (2RT/F)\ln \alpha f_{\pm}$ (1) is derived for the e.m.f. of the cell, where $f_{\pm}$ is the mean ion activity coefficient. Applying the equation for the thermodynamic dissociation constant: $K_d = \alpha^2 c f_{\pm}^2/(1 - \alpha) f_{HCl}$ (2)

(f_{HCl} = activity coefficient of the non-dissociated portion of the electrolyte) one obtains: $E = E^{o'} - (RT/F)\ln c - (RT/F)\ln(1 - \alpha) f_{HCl}$ (3). The difference between the standard potentials E^{o} and $E^{o'}$ is given by the equation $E^{o} = E^{o'} + (RT/F) \ln K_d$ (4). According to equation (1), a straight line with a slope equal to -0.118 is to be expected for the function $E = f(\log c)$ for low concentrations ($\alpha \approx 1$, $f_{\pm} \approx 1$). This actually occurred when $c < 3 \cdot 10^{-4}$ M. By extrapolation to $\log c = 0$, it was found that $E^{o} = -0.1430$ v. The deviation from the value given by N. A. Izmaylov and

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V. V. Aleksandrov (-0.132 v) is due to the fact that these researchers worked with excessively concentrated solutions. For systems with low dielectric constants, only dilute solutions are admissible. The second linear section with a slope equal to -0.059 corresponds to $f_{HCl} = 1$ and a constant dissociation degree calculated according to T. Shedlovsky (Ref. 15) from the conductivity of HCl in butanol. It was found from equation (3) that $E^{0'} = -0.085$ v and from equation (4) that $K_d = 5 \cdot 10^{-3}$. $f_{\pm}$ was calculated from equations (1) and (2). The graphical representation of $\overline{\log f_{\pm}} = F(\sqrt{\alpha c})$ in Fig. 3 shows that the values found deviate both from the first and the second approximation of the Debye — Hückel theory. This is explained by the low dielectric constant. The deviation of the function $E = f(\log c)$ from linearity for concentrations above 0.5 M is due to changes of f_{HCl}. For 4.15 M, f_{HCl} was estimated to be equal to 6. There are 3 figures, 2 tables, and 15 references: 4 Soviet, 6 US, 3 British, 1 Finnish, and 1 Japanese.

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Electrochemical Study of HCl Solutions in Solvents With Low Dielectric Constants. II

S/076/60/034/007/011/042/XX
B004/B068

ASSOCIATION: Gosudarstvennyy institut prikladnoy khimii, Leningrad
(State Institute of Applied Chemistry, Leningrad)

SUBMITTED: June 14, 1958

Text to Fig. 2: Electromotive Force of the Chain $Pt(H_2)$ | HCl in Butanol | AgCl - Ag at 25°C.
Text to Fig. 3: 1: First Approximation; 2: Second Approximation of the Debye - Hückel Theory

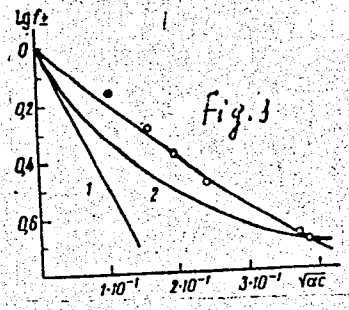

Fig. 3

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S/076/60/034/007/011/042/XX
B004/B068

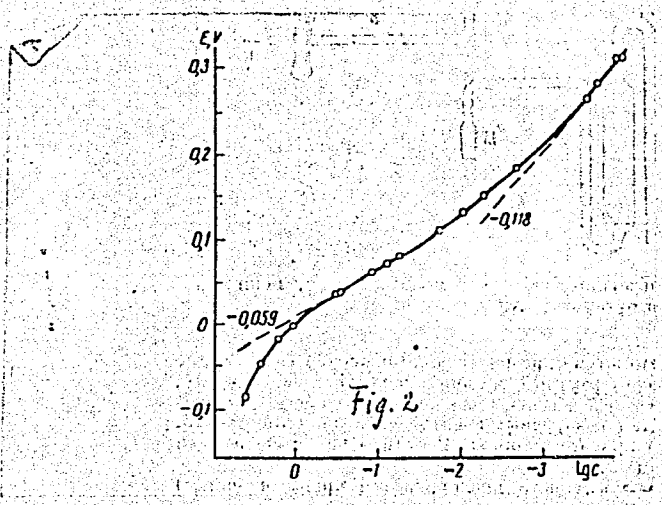

Fig. 2

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RYZHKOV, Ye.V.; SKRIPNICHENKO, D.F. (Moskva)

Classification of pulmonary lesions according to pneumonectomy and lobectomy observations. Klin.med., 33 no.11:18-24 N '55. (MLRA 9:7)

1. Iz kafedry patologicheskoy anatomii (zav.-deystvitel'nyy chlen AMN SSSR prof. I.V.Davydovskiy) II Moskovskogo meditsinskogo instituta imeni I.V.Stalina i kafedry obshchey khirurgii (zav.-prof. V.I. Struchkov) lechebnogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta.
(LUNGS, diseases, classif.)

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Ryzhkov, Ye. V.

"Changes in the solar plexus in peritonitis and paresis of the intestines." Acad Med Sci USSR. Moscow, 1956. (Dissertation for the Degree of Candidate in Medical Science)

So: Knizhnaya letopis', No. 25, 1956

RYZHKOV, Ye. V. APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0"

USSR/Radiophysics - Radio-wave Propagation. Ionosphere, I-6

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 35307

Author: Ryzhkov, Ye. V., Shur, L. M., Rakin, A. N.

Institution: None

Title: Automatic Panoramic Ionospheric Station

Original Periodical: Elektrosvyaz', 1956, No 5, 18-27

Abstract: Description of automatic panoramic ionospheric station for a wide band (0.5 - 20 Mc), developed and built by the Leningrad Electrotechnical Communications Institute imeni Prof. M. A. Bonch-Bryuevich. Discussion of problems involved in the design of such stations. Technical data of the station, the basic characteristics of its units, and consideration in the choice of antenna installations are given.

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RYZHKOV, Ye.V. (Moskva)

A case of bilateral virilizing adrenal tumors. Arkh.pat. 18 no.3:79-81 '56 (MIRA 11:10)

1. Iz patologoanatomicheskogo otdeleniya (zav. - deystvitel'nyy chlen AMN SSSR prof. I.V. Davydovskiy) bol'nitsy imeni Medsantrud.

(ADRENAL GLAND, enoplasms
virilizing, bilateral (Rus))

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RYZHKOV, Ye.V. (Moskva)

Pulmonary aspergillosis in combination with microlithiasis. Arkh.pat. 18 no.4:53-56 '56 (MIRA 11:10)

1. Iz patologoanatomicheskogo otdeleniya (zav. - deystvitel'nyy chlen AMN SSSR prof. I.V. Davydovskiy bol'nitsy imeni Medsantrud.

(ASPERGILLOSIS,
lungs, with microlithiasis in lugs & mediastinum (Rus))
(LUNG, dis.
aspergillosis & microlithiasis (Rus))
(MEDIASTINUM. calculi
microlithiasis caused by aspergillosis of lungs (Rus))
(CALCULI,
microlithiasis in lungs & mediastinum caused by aspergillosis of lungs (Rus))

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YESIPOVA, I.K.; RYZHKOV, Ye.V. (Moskva)

Changes in the lungs and thoracic cavity following pulmonectomy and lobectomy [with summary in English]. Arkh.pat. 19 no.12:3-13 '57. (MIRA 11:2)

1. Iz kafedry patologicheskoy anatomii II Moskovskogo gosudarstvennogo meditsinskogo instituta imeni N.I.Pirogova i prozektury bol'nitsy imeni Medsantrud (zav. - deystvitel'nyy chlen AMN SSSR prof. I.V. Davydovskiy)

(PNEUMONECTOMY
postop. pathol. & anat. changes)

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RYZHKOV, Ye. V.

USSR / Human and Animal Morphology, Normal and Pathological S
Nervous System.

Abs Jour : R Zh Biol., No 21, 1958, No 97067

Author : Ryzhkov, Ye. V.
Inst : Not given
Title : Changes of the Solar Plexus in Peritonitis and Paresis of the Intestines.

Orig Pub : Arkhiv patologii, 1958, 20, No. 2, 27-33

Abstract : It was shown on 99 human cadavers that in the normal and also in the nerve nodes of the solar plexus (SP), shrinkage of the nucleus, neuronophagia (without satellitosis), and disintegration of myeline fibers, occurrence of regular exchange of old structures for new ones is noted. In peritonitis, the changes of ganglionic cells of SP occur in 3 stages: 1) shrinkage of nucleus, 2) shrinkage of the whole cell (stage of dehydration), 3) swelling of the cell (stage of

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RYZHKOV, Ye.V. (Moskva)

Primary sarcoma of the pulmonary artery [with summary in English]. (MIRA 11:7)
Arkh.pat. 20 no.6:86-91 '58

1. Iz patologoanatomicheskogo otdeleniya (zav. - deystvitel'nyy chlen AMN SSSR prof. I.V. Davydovskiy bol'nitsy imeni "Medsantrud" (glavnyy vrach A.P. Timofeyeva).

(SARCOMA, case reports,
pulm. artery (Rus))
(ARTERY, PULMONARY, neoplasms,
sarcoma (Rus))

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RYZHKOV, Ye.V. (Moskva)

Complications related to antibiotics. Arkh.pat. 20 no.7:72-78 '58 (MIRA 11:9)

1. Iz patologoanatomicheskogo otdeleniya (zav. - deystvitel'nyy chlen AMN SSSR prof. I.V. Davydovskiy) bol'nitsy imeni "Medsantrud" (glavnyy vrach A.P. Timofeyeva).
(ANTIBIOTICS, inj.eff.
fatal outcome after massive dosage (Rus))

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GRIGORYAN, A.V. (Moskva, Smolenskiy bul'var,d.17,kv.43); RYZHKOV, Ye.V.; SAKHAROV, V.A.; ZHDANOV, V.S.; CHUMAKOV, A.A.

Changes in the bronchial stump and pleural cavity following pneumonectomy and lobectomy. Grud. khir. 1 no.3:62-69 My-Je '59. (MIRA 15:3)

1. Iz kliniki obshchey khirurgii lechebnogo fakul'teta (zav. - prof. V.I. Struchkov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova, patologoanatomicheskogo otdeleniya (zav. - deystvitel'nyy chlen AMN SSSR prof. I.V. Davydovskiy) bol'nitsy No.23 imeni Soyuza rabotnikov mediko-sanitarnogo dela (glavnyy vrach A.P. Timofeyeva).
(LUNGS--SURGERY)

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RYZHKOV, Ye.V. (Moskva)

Diffuse gliomas of the central nervous system [with summary in English], Arkh.pat. 21 no.1:54-59 '59. (MIRA 12:1)

1. Iz morfologicheskoy laboratorii (zav. - deystvitel'nyy chlen AMN SSSR prof. I.V. Davydovskiy).
(GLIOBLASTOMA MULTIFORME, case reports,
brain & spinal cord (Rus))
(CENTRAL NERVOUS SYSTEM, neoplasms,
glioblastoma multiforme (Rus))

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RYZHKOV, Ye.V., kand.med.nauk ; ZHDANOV, V.S. (Moskva)

Review of the "Brief manual on technics of pathoanatomical dissection employing G.V. Shor's method of total visceration." Arkh.pat. 21 no.3: 85 '59. (MIRA 12:12)

(DISSECTION)

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GRIGORYAN, A.V.; VOL'-EPSHTEYN, G.L.; ZHDANOV, V.S.; RYZHKOV, Ye.V.

Benign epithelial pulmonary tumors [with summary in English]. Khirurgiia 35 no.1:29-32 Ja '59. (MIRA 12:2)

1. Iz kliniki obshchey khirurgii lechebnogo fakul'teta (zav. - prof. V.I. Struchkov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova, kafedry patologicheskoy anatomii (zav. - prof. I.V. Davydovskiy) II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova i rentgenovskogo otdeleniya klinicheskoy bol'nitsy imeni Medsantrud (glavnyy vrachA.P. Timofeyeva).
(LUNG NEOPLASMS, case reports
adenoma (Rus))

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RYZHKOV, Ye.V., kand.med.nauk

Relation of developmental disorders of the lungs to congenital bronchiectasis [with summary in English]. Khirurgiia 35 no.1: 48-53 Ja '59. (MIRA 12:2)

1. Iz morfologicheskoy laboratorii deystvitel'nogo chlena AMN SSSR prof. I.V. Davydovskogo.

(BRONCHECTASIS, compl.
congen., with supernumerary lung (Rus))
(LUNGS, abnorm.
supernumerary lobe in congen. bronchiectasis (Rus))

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LUKOMSKIY, G.I.; RYZHKOV, Ye.V.; SANPITER, I.A. (Moskva, G-248, Kutuzovskiy prosp., d.11/7, kv.11); SOLOV'YEVA, I.P.

Primary lung sarcoma. Grud. khir. 2 no.5:109-113 S-O '60.
(MIRA 16:5)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. I.S.Zhorov) sanitarno-gigiyenicheskogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova i rentgenologicheskogo otdeleniya i prozektury 61-y gorodskoy klinicheskoy bol'nitsy (glavnyy vrach L.N.Vasilevskaya).

(LUNGS—CANCER)

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RYZHOV, Ye.V.

Problem of acquired chronic nonspecific processes in the lungs; surgical data. Arkh. pat. 22 no. 4:42-49 '60. (MIRA 14:1)
(LUNGS—DISEASES)

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SERGEYEV, V.M.; RYZHKOV, Ye.V.

Simultaneous removal of a celomic cyst of the pericardium and partial pulmonary resection. Grud. khir. 2 no.6:113-115 N-D '60.
(MIRA 14:1)

1. Iz legochnogo otdeleniya (zav. - doktor meditsinskikh nauk N.I. Gerasimenko) i patologoanatomicheskoy laboratorii (zav. - prof. Ya.L.Rappport) Instituta grudnoy khirurgii (dir. - prof. S.A. Kolesnikov, nauchnyy rukovoditel' - akademik A.N.Bakulev) AMN SSSR. Adres avtorov: Moskva, Leninskiy prosp. d.8, Institut grudnoy khirurgii AMN SSSR.

(CYSTS) (PERCARDIUM—DISEASES)
(LUNGS—SURGERY)

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0"

RYZHKOV, Ye.V. (Moskva)

Disorders and compensatory processes in the organism after extensive resections of the intestine; a case of "intestinal osteodystrophy". Arkh.pat. 22 no.5:70-74 '60. (MIRA 13:9)

1. Iz morfologicheskoy laboratorii, rukovodimoy deystvitel'nym chlenom AMN SSSR I.V. Davydovskim.
(INTESTINES--SURGERY) (CALCIUM METABOLISM)
(VITAMINS--B)

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RYZHKOV, Ye.V.

Problem of congenital bronchiectases and pulmonary cysts. Arkh. pat. 22 no.9:20-29 '60. (MIRA 13:12)
(BRONCHIECTASIS) (LUNGS—DISEASES)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0"

MURAV'YEV, M.V.; RYZHKOV, Ye.V.; GROMOVA, G.V. (Moskva)

Certain aspects of pulmonary circulation in chronic suppurative processes in the lungs. Klin.med. 38 no.10:97-105 O '60.
(MIRA 13:11)

1. Iz kafedry obshchey khirurgii (zav. - prof. V.I. Struchkov) lechebnogo fakul'teta I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova i morfologicheskoy laboratorii Deystvitel'nogo chlena AMN SSSR I.V. Davydovskogo na baze klinicheskoy bol'nitsy No.23 imeni Medsantrud (glavnyy vrach A.P. Timofeyeva).

(PULMONARY ARTERY) (LUNGS---DISEASES)

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KOLESNIKOV, S.A., prof.; SERGEYEV, V.M., kand.med.nauk; RYZHKOV, Ye.V., kand.med.nauk

Surgical therapy for coelomic cysts of the pericardium. Vest. khir. 85 no.12:77-89 D '60. (MIRA 14:1)

1. Iz Instituta grudnoy khirurgii (dir. - prof. S.A. Kolesnikov, nauchn. rukovod. - prof. A.I. Bakulev) Akademii meditsinskikh nauk SSSR.

(PERICARDIUM--SURGERY) (CYSTS)

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0"

RYZHKOV, Ye.V.

Congenital arteriovenous shunts of the lung. Arkh.pat. 23 no.4:61-67 '61. (MIRA 14:6)

1. Iz morfologicheskoy laboratorii (zav. - deystvitel'nyy chlen AMN SSSR prof. I.V. Davydovskiy).
(LUNGS--BLOOD SUPPLY)

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0"

PANCHENKO, K.P.; RYZHKOV, Ye.V.

Effectiveness of electrophoratic examination of blood proteins in determining the developmental phase of chronic nonspecific pulmonary processes. Vest.khir. 86 no.2:87-90 '61. (MIRA 14:2)

1. Iz kliniki obshchey khirurgii (zav. - prof. V.I. Struchkov) 1-go Moskovskogo ordena Lenina meditsinskogo instituta im. I.M. Sechenova i morfologicheskoy laboratorii pri deystvitel'nom chlene AMN SSSR Geroye Sotsialisticheskogo Truda prof. I.V. Davydovskom. Adres avtorov: Moskva, Internatsional'naya, d.11, bol'nitsa "Medsantrud" patologoanatomicheskoye otdeleniye.
(LUNGS--DISEASES) (BLOOD PROTEINS)

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TSUKERMAN, G.I.; STRAKHOV, S.N.; RYZHKOV, Ye.V.

Rare complication of digital mitral commissurotomy. Grud.khir. no.4:100-101 Jl-Ag '62. (MIRA 15:10)

1. Iz Instituta serdechno-sosudistoy khirurgii (dir. - prof. S.A. Kolesnikov, nauchnyy rukovoditel' - akad. A.N.Bakulev) AMN SSSR.
(MITRAL VALVE--SURGERY)

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APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R001446520018-0"

MAKSIMOV, I.A.; Ryzhkov, Ye.V.

Familial congenital bronchiectasis. Grud.khir. no.4:107-110 Jl-Ag '62. (MIRA 15:10)

1. Iz legochnogo otdeleniya (zav. - doktor meditsinskikh nauk N.I.Gerasimenko) i laboratorii patomorfologii (zav. - prof. Ya.L. Rapoport) Instituta serdechno-sosudistoy khirurgii (dir. - prof. S.A.Kolesnikov, nauchnyy rukovoditel' - akad. A.N.Bakulev) AMN SSSR.

(BRONCHIESTASIS)

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i iz patomorfologicheskoy laboratorii (zav.- prof. Ya.L. Rapoprot)
Instituta rukovoditel' - akademik A.N. Bakulev) AMN SSSR.

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