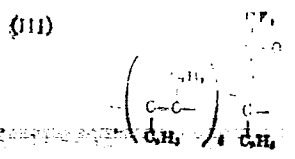
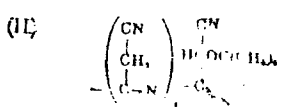
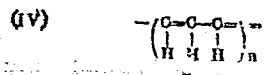


1 8366-65

ACCESSION NR: AP4043786



and



were studied by the method of electron paramagnetic resonance. The resulting intensity of the EPR signal corresponded to the number of unpaired electrons per gram. All polymers gave a signal.

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1. 8566-65

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3

a line width of 4-6 oe between the points of maximum slope. The degree of saturation of the EPR signal studied was determined by comparison with the unsaturated EPR signal of DPPH. The spin-lattice relaxation time for most of the polymers was 10^{-4} - 10^{-5} sec. From the study of the degree of saturation of the signal, which depended on the amplitude of the high-frequency modulation, it was found that an increase of the amplitude of modulation increased the degree of

fine structure, width, and resolutions which are lower than the high-frequency modulation. Fine structure of the EPR signals was obtained for polyacetylene and poly-1, 1, 2, 2-tetraphenylethylene polymers. In comparing the properties of EPR signals of polymers and the properties of EPR signals of the free radicals formed during polymerization of polymers (polymerization of poly-1, 1, 2, 2-tetraphenylethylene with benzoyl peroxide at 200C), it was established that the EPR signals of the free radicals had properties similar to those of the EPR signals of polymers with saturated bonds. Organic radicals

Card: 3/4

L 8566-65

ACCESSION NR: AP4043786

ASSOCIATION: Institut khimicheskoy kinetiki i goreniya (Institute
of Chemical Kinetics and Combustion)

SUBMITTED: 01Oct63

ATD PRES: 3096

SUB CODE: OC, NP

NO REF SERV: 009

Card

4/4

SAPRIN, A.N.; KLOCHKO, E.V.; KRUGLYAKOVA, K.Ye.; CHIBRIKIN, V.M.; EMANUEL', N.M.

Effect of the inhibitors of radical reactions on the kinetics of the change in free radical content in the organs of mice in experimental leukemia. Dokl. AN SSSR 166 no.3:746-748 Ja '66.
(MIRA 19:1)

1. Institut khimicheskoy fiziki AN SSSR. 2. Chlen-korrespondent AN SSSR (for Emanuel'). Submitted August 27, 1965.

42/81-66 EWT(1) IJP(c)
ACC NR: AP6029851

SOURCE CODE: UR/0032/66/032/008/0933/0943

AUTHOR: Molin, Yu. N.; Chibrikin, V. M.; Shabal'kin, V. A.; Shuvalov, V. F. 5/ B

ORG: Institute of Chemical Physics, Academy of Sciences SSSR (Institut khimicheskoy fiziki Akademii nauk SSSR)

TITLE: Accuracy of measuring the concentration of paramagnetic entities by the EPR method

SOURCE: Zavodskaya laboratoriya, v. 32, no. 8, 1966, 933-943

TOPIC TAGS: EPR spectrometer, spin resonance, error measurement / EPR 2 spectrometer, RE 1301 spectrometer

ABSTRACT: The purpose of this investigation was to make a systematic study of the errors involved in the quantitative determination of the number of paramagnetic entities (atoms, radicals, ions, etc.) using the electron paramagnetic resonance method. The spectrometer operated at a wavelength of 3.2 cm with 1MHz modulation of the magnetic field. A cylindrical cavity (H_{011}) of diameter 45 mm and height 34 mm was used. Quantitative results were obtained by comparing the signal intensity of the unknown sample with that of a standard containing a known number of spins. Both signals were recorded as the first derivative of the absorption line. Errors connected with the preparation of a suitable standard of known paramagnetic spin concentration were minimized by

Card 1/2

UDC: 538.113:543.42

ZAKHAROV, S.; CHIBRIKOV, A., inzh.

Mechanized operations in the repair of polished varnish coatings.
Rech. transp. 24 no.6:24-26 '65. (MIRA 18:8)

1. Glavnyy konstruktor Gor'kovskogo tsentral'nogo konstruktor-
skogo byuro Ministerstva rechnogo flota (for Zakharov).
2. Gor'kovskoye tsentral'noye konstruktorskoye byuro Ministerstva
rechnogo flota (for Chibrikov).

IVANCHENKO, Ye.Ya., prof.; CHIBRIKOV, A.V., inzh.

Calculation of high-frequency initial parameters of triple armored cables. Izv. vys. ucheb. zav.; gor. zhur. 6 no.10: 82-92 '63. (MIRA 17:2)

1. Khar'kovskiy institut gornogo mashinostroyeniya, avtomatiki i vychislitel'noy tekhniki.

CHIBRIKOV, A.V., inzh.

Input resistance of a mine power system during its use as a communication and remote control channel. Izv.vys.ucheb.zav.;gor. zhur. 6 no.11:144-148 '63. (MIRA 17:4)

1. Khar'kovskiy institut gornogo mashinostroyeniya, avtomatiki i vychislitel'noy tekhniki.

CHIBRIKOV, Georgiy Georgiyevich; YEFIMOV, O.S., red.; SHIROKOVA,
N.A., red.; LAZAREVA, L.V., tekhn. red.

[Contradictions between U.S.A. monopolies and under-
developed countries on the basis of the exportation of
capital] Protivorechiia meshdu monopoliiami SShA i slabo-
razvitymi stranami na pochve vyvoza kapitala. Moskva,
Izd-vo Mosk. univ., 1963. 36 p. (MIRA 16:10)
(Underdeveloped areas--Investments, American)

CHIBRIKOV, G.N.

FOMIN, Matvey Ivanovich; ~~CHIBRIKOV, G.N.~~ red.; ALTUF'YEVA, A.M., red.
izd-va; KONYASHINA, A.D., tekhn.red.

[Payments for official travel and transfers] Raschety pri
komandirovках i sluzhebnykh perevodakh. Izd. 2-oe, ispr. i dop.
Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1957. 91 p. (MIRA 11:5)
(Employees, Relocation of) (Accounting)

CHIBRIKOV, V.I.; PETROV, V.T.

Selection of crude for the production of BN-IIIY bitumen^o Nefteper.
i neftekhim. no.10:16-18 '63. (MIRA 17:2)

1. Novokuybyshevskiy neftepererabatyvayushchiy zavod.

Gabor, F. D. and Kirilova, I. I. On Riemann's boundary problem for the case of intersecting contours, Kazan. Gos. Univ. Uch. Zap. 113, no. 10 (1953), 107-110. (Russian)

Let L be a contour in the z -plane consisting of a finite collection of closed and open piecewise smooth arcs having a finite number of common points and let $g(t)$, $G(t)$ be functions given on L satisfying a Hölder condition and $G(t) \neq 0$. Let it be required to find a piecewise holomorphic function $\Phi(z)$ which has right and left hand limits on L satisfying $\Phi^+(t) - \Phi^-(t) = g(t)$ except at points of intersection and at endpoints of L where $\Phi(z)$ may become infinite of order < 1 and of infinitely small order, respectively. The solution of this Riemann-Hilbert problem

Math

is given by the formula $\Phi(z) = X(z) \int_L \frac{g(\tau) d\tau}{\tau - z}$ which is a particular solution of $X^+(z) - G(z)X^-(z) = g(z)$ and of highest possible order at ∞ . The authors construct $X(z)$ as follows: let t_0 be an arbitrary point on the contour L .

$$\log G(t_k - 0) - \log G(t_k + 0) = 2\pi i \chi_k;$$

$$\Gamma(z) = \frac{1}{2\pi i} \int_L \frac{\log G(\tau) d\tau}{\tau - z}$$

1/2

Gahoy, F. D.

Then $X(z) = \prod (z - t_k)^{-2} e^{F(z)}$. This is a simpler expression
for $X(z)$ than that found by Kveselava (Alad. Nauk
SSR Trudy Tbiliss Mat Inst Ramadze 17
1949, 1-27 MR 13, 135) M Golomb

etc

CHIBRIKOVA, L. I.

USSR/Mathematics - Singular integrals

FD-1424

Card 1/1 : Pub. 64 - 2/9

Author : Gakhov, F. D. (Rostov), and Chibrikova, L. I. (Kazan')

Title : Certain types of singular integral equations solvable in closed form.

Periodical : Mat. sbor., Vol. 35(77), pp 395-436, Nov-Dec 1954

Abstract : Gives the historical background and statement of the problem. Reduces the complete singular equation to a boundary value problem. Discusses finite groups of fractional-linear transformations and automorphous functions. Solves the Riemann problem for intersecting contours and gives the solution of the boundary value problem. Considers equations with kernels invariant during transformations of the group, and equations with kernel that acquire multiples during transformations of the group. Examples of these are given. Eight references.

Institution :

Submitted : June 18, 1953

CHIBRIKOVA, L. I.

Call Nr: AF 1108825

Transactions of the Third All-union Mathematical Congress (Cont.) Moscow, Jun-Jul '56, Trudy '56, V. 1, Sect. Rpts., Izdatel'stvo AN SSSR, Moscow, 1956, 237 pp. Mention is made of Kreyn, M. G.

There are 3 references, 2 of which are USSR, and 1 English.

Chebotarev, G. N. (Kazan'). Some Matrix Equations and Their Application for Solving in Closed Form Riemann Boundary Problem for Pair Function Systems and for Solving of Systems of Linear Differential Equations. 110-111

Chelidze, V. G. (Tbilisi). Some Summation Methods of Multiple Series. 111

~~Chibrikova, L. I.~~ (Kazan'). On Riemann Boundary Problem of Automorphic Functions. 111

Shaginyan, A. L. (Yerevan). The Velocity of Polynomial Approximation on a Closed Set. 111-112

Mention is made of Lavrent'yev, M. A.

There is 1 USSR reference.
Card 35/80

CHIBRIKOVA, L.I.

Riemann's boundary problem for automorphic functions. Uch. zap. Kaz.
un. 116 no. 4:59-110 '56. (MIRA 10:4)

(Fonctions, Automorphic)

~~16(1)~~ 16.3000

67082

SOV/44-59-1-286

Translation from : Referativnyy zhurnal.Matematika,1959,Nr 1,p 53 (USSR)

AUTHOR: Chibrikova, L.I.

TITLE: Effective Solution of the Hilbert Boundary Value Problem for
Some Polygons Bounded by Circular Arcs

PERIODICAL: Uch.zap. Kazansk. un-ta,1957,117,Nr 2,22-26

ABSTRACT: Let S^+ be the upper half of a fundamental domain, symmetric with respect to the real axis, of a certain elementary or Fuchs group of first class of fractional-linear permutations; L the boundary of S^+ . The author considers the Hilbert problem on the determination of a function $F(z) = u + iv$ holomorphic in S^+ from the boundary condition $au + bv = c$, where a, b and c are real functions given on the boundary L which satisfy the Hölder condition, where $a^2 + b^2 \neq 0$ everywhere on L . After having introduced the auxiliary function $\phi(z)$ and having it extended automorphically to the whole domain of existence according to the method of N.I. Muskhelishvili (Singular Integral Equations, M., Gostekhizdat, 1946, Chap.2, § 38) the author reduces the problem to the Riemannian problem for an automorphic function which was formerly con-

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Effective Solution of the Hilbert Boudnary Value Problem for Some
Polygoes Bounded by Circular Arcs

sidered by the author (Referativnyy zhurnal.Matematika,1957,7828).

The formula of Schwarz which yields the solution of the Dirichlet
problem for the strip, and the formulas of Will for ring and rectangle
are derived as examples.

I.G. Aramanovich



Card 2/2

CHIBRIKOVA, L.I.

New method for solving a boundary problem of the mixed type.
Uch. zap. Kaz. un. 117 no.9:44-47 '57. (MIRA 13:1)

1. Kazanskiy gosudarstvennyy universitet im. V.I. Ul'yanova-Lenina.
Kafedra differentsial'nykh uravneniy.
(Differential equations)

CHIRIKOVA, L.I.

Solving Trikom's boundary problem for the equation $\frac{\partial^2 u}{\partial x^2} + \operatorname{tg} \gamma \frac{\partial^2 u}{\partial y^2} = 0$.
Uch. zap. Kaz. un. 117 no.9:48-51 '57. (MIRA 13:1)

I. Kazanskiy gosudarstvennyy universitet im. V.I. Ul'yanova-Lenina.
Kafedra differentsial'nykh uravneniy,
(Differential equations)

Chibrikova, L.I.

... 507/592

... 3,000 copies printed.

Table of contents listing authors and page numbers for various mathematical papers, including entries by Kolmogorov, Pol'chinski, and others.

... Library of Congress ... 597

16.3500

3/044/61/000/002/002/015
6111/C222

AUTHOR: Chibrikova, L.I.

TITLE: The application of automorphic functions for the solution of some boundary value problems for equations of mixed type

PERIODICAL: Referativnyy zhurnal, Matematika, no.2, 1961, 38-39, abstract 2B 183. (In sb.: "Issled. po sovrem. probl. teorii funktsiy kompleksn. peremennogo". M., Fizmatgiz, 1960, 515-519)

TEXT: In the region D bounded in the plane $y > 0$ by the Jordan curve σ_0 with the endpoints A(0,0) and B(1,0) and bounded in the halfplane $y < 0$ by the characteristics AC: $y = -x$ and CB: $y = x-1$ for the Lavrent'yev-Bitsadze equation X

$$u_{xx} + \operatorname{sgn} y u_{yy} = 0 \quad (1)$$

the author considers the Tricomi problem with the boundary conditions

$$u|_{\sigma_0} = \varphi; \quad u|_{AC} = \psi(x), \quad (2)$$

where φ is one time continuously differentiable, ψ -- two times differentiable, and $\varphi(A) = \varphi(B) = \psi(A) = 0$; σ_0 is the half of the
Card 1/3

22807

The application of automorphic functions... S/044/61/000/002/002/015
C111/C222

boundary of a fundamental region of a certain elementary or Fuchs' group Γ of fractional-linear transformations $\omega_k(z) = (\alpha_k z + \beta_k) / (\gamma_k z + \delta_k)$, $\bar{\omega}_k(z) \in \Gamma$, where $\alpha_k \delta_k - \beta_k \gamma_k \neq 0$, $z = x+iy$. In the usual manner the author reduces the solution of (1)-(2) to the solution of a Hilbert problem (with coefficients discontinuous in the points A and B) for the function $F(z) = u(x,y) + iv(x,y)$, $v(0,0) = 0$ analytic in the elliptic part D_1 of D. The author introduces the piecewise holomorphic function $\varphi(z)$ by putting $\varphi(z) = F(z)$ in D_1 and $\varphi(z) = \bar{F}(\bar{z}) = \bar{F}(z)$ in the region symmetric with respect to AB, she extends $\varphi(z)$ automorphically with respect to the group Γ on the whole region of existence of the simple automorphic functions of this group $\varphi[\omega_k(z)] = \varphi(z)$, $k=0,1,2,\dots$, and for the determination of $\varphi(z)$ she obtains a Riemannian boundary value problem with coefficients discontinuous in A and B for automorphic functions belonging to the group Γ . The solution of this problem is carried out explicitly. As an example the author considers the case where G_0 is a semicircle $|z - \frac{1}{2}| = \frac{1}{2}$; $y > 0$, where the obtained solution

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The application of automorphic functions...S/044/61/000/002/002/015
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agrees completely with the result of A.V.Bitvadze (R Zh Mat.1955, 2965).

[Abstracter's note: Complete translation.]

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16.3000

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S/020/61/141/001/004/021
C111/C222

AUTHOR: Chibrikova, L.

TITLE: A solution of the Riemannian boundary value problem for automorphic functions in the case of groups characterized by two invariants

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 141, no. 1, 1961, 47-50

TEXT: Given the functional group Γ of fractional linear substitutions $\sigma_k(z)$, $k = 1, 2, \dots$, the fundamental region R of which has a finite number of sides. In R let lie a curve L consisting of the simple smooth non-intersecting pieces l_1, l_2, \dots, l_q . $\phi(z)$ is called a

piecewise holomorphic automorphic function with the line of discontinuity L if 1) $\phi(z)$ is holomorphic everywhere in $R - L$ with a possible exception of a finite number of points, where it has poles of finite order; 2) $\phi[\sigma_k(z)] = \phi(z)$; 3) all essentially singular points of $\phi(z)$ are accumulation points of the group; 4) $\phi(z)$ is continuously continuable into every point of L .

Problem: Determine a piecewise holomorphic automorphic function $\phi(z)$ with the line of discontinuity L having poles of the orders
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A solution of the Riemannian boundary...C111/C222

$\mu_1, \mu_2, \dots, \mu_m$ in the points z_1, z_2, \dots, z_m of R , from the boundary condition

$$\phi^+(t) = G(t)\phi^-(t) + g(t), \quad (1)$$

where $G(t)$ and $g(t)$ on L are given functions of the class H , where $G(t) \neq 0$ on L .

The author gives an explicit solution of the given problem in the case of groups for which there exists no simple automorphic function of the order 1.

If p is the genus of R and $\mu = \mu_1 + \mu_2 + \dots + \mu_m$, then it is stated: For $\mu > p$ the homogeneous problem has $\mu - p$ linearly independent solutions having a common zero a_0 ; for $\mu \leq p$ the homogeneous problem has no non-trivial solution. For solutions vanishing in a_0 it furthermore holds: for $\mu - p$ the inhomogeneous problem has $\mu - p$ linearly independent solutions; for $\mu = p$ the

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A solution of the Riemannian boundary...³⁰⁰²³
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C111/C222

solution is unique; for $\mu < p$ the (unique) solution exists only under the satisfaction of $p - \mu$ additional conditions for $g(t)$.

In essential the investigation is based on classical results of Weierstrass.

There are 6 Soviet-bloc and 1 non-Soviet-bloc reference. ✓

ASSOCIATION: Kazanskiy gosudarstvennyy universitet imeni V. J. Ul'yanova-Lenina (Kazan' State University imeni V. J. Ul'yanov-Lenin)

PRESENTED: June 5, 1961, by P. Ya. Kochina, Academician

SUBMITTED: May 18, 1961

Card 3/3

CHIBRIKOVA, L.I.

Riemann boundary value problem for functions automorphic with respect to groups with two invariants. Izv. vys. ucheb. zav.; mat. no.6:121-131 '61. (MIRA 15:3)

I. Kazanskiy gosudarstvennyy universitet imeni V.I.Ul'yanova-Lenina.
(Boundary value problems) (Functions, Automorphic)

CHIRIKOVA, L.I., *otv. red.*

[Boundary value problems in the theory of the functions of complex variables] *Kraevye zadachi teorii funktsii kompleksnogo peremennogo.* Kazan', Izd-vo Kazanskogo univ., 1962.
78 p. (MIRA 18:4)

CHIBRIKOVA, L.I.

Letter to the Editor. Izv. vys.ucheb. zav.; mat. no.3:195-196
'62. (MIRA 15:9)

(Functions, Automorphic)

13242-63

EW(d,FGC(w)/BDS AFPTC Pg-4 IJP(C)

S/044/63/000/003/023/047

AUTHOR: Chibrikova, L. I.

TITLE: On the solution of certain total singular integral equations

PERIODICAL: Referativnyy Zhurnal, Matematika, No. 3, 1963, 65, Abstract 35297
(Uch. Zap. Kazansk, Un-t. v. 122, no. 3, 1962, 95-124)

TEXT: In the first part of the article, singular integral equations of the following form are solved in closed form:

$$a(x)\varphi(x) - \frac{b(x)}{2\pi} \int_{L_0} \varphi(\tau)k(\tau-x) d\tau = c(x), \quad (1)$$

where L_0 is the aggregate of segments in the interval $(0, 2\pi)$ on the axis of abscissas and a, b, c are functions given on L_0 which satisfy a Hölder condition. The kernel k may take one of the following three value:

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$$k(\tau-x) = \operatorname{ctg} \frac{\tau-x}{2} \cdot \frac{1}{\sin \frac{\tau-x}{2}}$$

$$\frac{\theta_1' \left(\frac{\tau-x}{2} \right)}{\theta_1 \left(\frac{\tau-x}{2} \right)} - \frac{\theta_1' \left(\frac{\tau-x_0}{2} \right)}{\theta_1 \left(\frac{\tau-x_0}{2} \right)}$$

where θ_1 is Jacobi's theta function. Equations with the Hilbert kernel $\cot(t-x)/2$ were studied previously, in the special case where L_0 is the entire interval $(0, 2\pi)$. (Refer, for example, to Referativnyy Zhurnal, Matematika, 1961, 8E104K); the other kernels are examined for the first time. The method of solution consists of analytic continuation in the complex plane with the analytic function

$$\phi(z) = \frac{1}{2\pi i} \int_{L_0} k(\tau-x) \varphi(\tau) d\tau.$$

The formulas for limit values on the contour L_0 , like the well known Sokhotskiy formulas for the Cauchy integral, permit one to reduce equation (1) to the Riemann boundary value problem

$$\phi^+(x) = \frac{a(x) + ib(x)}{a(x) - ib(x)} \phi^-(x) + \frac{c(x)}{a(x) - ib(x)}. \quad (2)$$

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We obtain the solution of integral equation (1) in closed form from the solution of (2) in the corresponding class of functions. An equation of the following form is solved in the second part of the article:

$$a(t)\varphi(t) + \frac{b(t)}{\pi i} \int_L \varphi(\tau) H(t, \tau)'(\tau) d\tau = c(t). \quad (3)$$

Here the kernel is constructed in the following manner. We are given a functional group Γ of bilinear substitutions whose fundamental region has the family $\rho > 0$. The group is distinguished by two simple automorphic functions $f_1(z)$, $f_2(z)$ connected by the irreducible algebraic equation $Q(f_1, f_2) = 0$. Then $H(t, \tau)$ is a rational function in f_1, f_2 having strips at $\rho + 1$ non-Weierstrass points a_1, \dots, a_n and vanishing at some point z_0 . Such a function can be constructed by means of the Weierstrass algorithm (Weierstrass, K., Ges. Math. Werke, 1902, 4, Abschn. 2); here L_0 is an aggregate of a finite number of simple

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I. 13242-53

S/044/63/000/003/029/047

On the solution of certain total

nonintersecting curves lying in one fundamental region. Making use of the analytic automorphic function

$$\phi(z) = \frac{1}{2\pi i} \int \varphi(\tau) H(z, \tau) f'_1(\tau) d\tau$$

the equation is reduced to the Riemann boundary value problem (2) in the class of automorphic functions with the given group of substitutions Γ . Here, unlike the general case, the solution of the boundary value problem does not depend on the kind of fundamental region, but is completely defined by the index of the problem.

[Abstracter's note: Complete translation.]

Card 4/4

CHIBRIKOVA, L.I.

Riemann boundary value problem on a Riemann surface with an edge.
• Uch. zap. Kaz. un. 123 no.9:3-14 1971.

Boundary value problems for a rectangle. Ibid.:15-39

(MIRA 17:11)

BADYSHTOVA, K.M.; CHESNOKOV, A.A.; IVANKINA, E.B.; ZHADANOVSKIY, N.B.;
KONYUKHOVA, M.V. Primalni uchastiy: KOHOVALOV, B.S., inzh.;
NAUMOVA, A.P., inzh.; PYATILETOVA, N.I., inzh.; SMIRNOVA, S.M.,
inzh.; CHIBRIKOVA, L.I., laborant; BUGROVSKAYA M.S., laborant.

Effect of the nature of raw stock on the stability of transformer
oil. Nefteper. i neftekhim. no.11:25-17 '64 (MIRA 18:2)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut neftyanoy
promyshlennosti, Kuybyshev i Novokuybyshevskiy zavod.

L 04997-67 EWT(d) IJP(c) GD

ACC NR: AT6016793 (N) SOURCE CODE: UR/0000/65/000/000/0208/0218

AUTHOR: Gakhov, F. D.; Chibrikova, L. I.

22-
21
B+1

ORG: [Gakhov] Belorussian University, Minsk (Belorusskiy universitet); [Chibrikova] Kazan' University, Kazan' (Kazanskiy universitet)

TITLE: The solution of continuum mechanics problems by reducing to boundary problems for automorphic functions

SOURCE: International Symposium on Applications of the Theory of Functions in Continuum Mechanics, Tiflis, 1963, Prilozheniya teorii funktsiy v mekhanike sploshnoy sredy. t. 2: Mekhanika zhidkosti i gaza, matematicheskiye metody (Applications of the theory of functions in continuum mechanics, v. 2: Fluid and gas mechanics, mathematical methods); trudy simpoziuma. Moscow, Izd-vo Nauka, 1965, 208-218

TOPIC TAGS: continuum mechanics, boundary value problem, automorphic function, differential equation solution, *CONTINUOUS FUNCTION*

ABSTRACT: Many problems in continuum mechanics have been solved by various authors by means of particular methods. All these problems, however, can be solved by a single method.

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ACC NR: AT6016793

i. e., reducing to the Riemann boundary problems for automorphic functions, a particular case of which are periodic functions. The Riemann boundary problem is formulated for the automorphic functions. Two moments are fundamental in the solution of the problem: 1) the construction of a canonical function $X(z)$, by means of which the problem in the general case is reduced to the problem on the discontinuity

$$\psi^+(t) - \psi^-(t) = c(t); \tag{1}$$

and 2) the solution of the discontinuity problem. A convenient method for the solution is given in detail. Orig. art. has: 16 formulas.

SUB CODE: 12,20/ SUBM DATE: 13Sep65/ ORIG REF: 015/ OTH REF: 009

Card 2/2

CHIBRIKOVA, Yevdokiya Vasil'yevna

Antibiotical action (aspergillina) on dysentary bacteria.

Dissertation for candidate of a Medical Science Degree.

Chair of Microbiology (head prof. S.I. Sherishorina) Saratov Medical
Institute, 1953.

CHIBRIKOVA, Ye. V.; KUZNETSOVA, V.I.; RAZUNOVA, L.P.; DUDEKOVA, V.K.

Rapid method for the detection of *Vibrio comma* in water and in washings of objects in external environment by using fluorescence microscopy.

Zhur. mikrobiol. epid. i immn. 29 no.12:52-56 0 '58. (MIRA 11:12)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta epidemiologii i mikrobiologii Yugo-Vostoka SSSR. ("Mikrob").

(VIBRIO COMMA,

detection in water, luminescence microscopic method (Rus))

(WATER, microbiology,

Vibrio comma, luminescence microscopic detection (Rus))

CHIBRIKOVA, Ye.V.; SHCHURKINA, I.I.; BAZUNOVA, L.P.

Accelerated identification of *Vibrio comma*. Zhur.mikrobiol.epid.i
immun. 31 no.1:16-22 Ja '60. (MIRA 13:5)

1. Iz Gosudarstvennogo nauchno-issledovatel'skogo instituta epi-
demiologii i mikrobiologii Yugo-Vostoka SSSR "Mikrob."
(VIBRIO)

CHIBRIKOVA, Ye.V.; SHCHURKINA, I.I.; TABAKOV, P.K.; MOSOLOVA, O.N.

Possibility of using specific fluorescent antibodies for the rapid detection of *Vibrio cholerae* in water. Zhur.mikrobiol., epid. i immun. 33 no.3:9-14 Mr '62. (MIRA 15:4)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta "Mikrob".
(WATER—MICROBIOLOGY) (ANTIGENS AND ANTIBODIES)
(VIBRIO CONMA)

CHIBRIKOVA, Ye.V.

Morsovo horizon of the Eifelian stage and its analogues in the east of the Russian Platform. Dokl. AN SSSR 145 no. 2: 411-413 J1 '62. (MIRA 15:7)

1. Gorno-geologicheskii institut Bashkirskego filiala AN SSSR. Predstavleno akademikom D.V. Malivkinym. (Russian Platform—Geology, Stratigraphic)

CHIRIKOVA, E. V.

USSR/ Geology

Card 1/1 Pub. 46 - 5/24

Authors : Chirikova, E. V.

Title : On the age of Upper Saratov deposits

Periodical : Izv. AN SSSR. Ser. geol. 6, 50-60, Nov-Dec 1954

Abstract : Investigations showed that the Upper Saratov deposits are connected with the Lower Saratov deposits in one common stratum which belongs to the Paleogenic epoch. The accumulated material proves that the Upper and Lower Saratov deposits form a separate stratum of Lower Eocene era. Twenty-five USSR references (1904-1953). Map

Institution :

Submitted : February 17, 1953

CHIBRIKOVA, Ye.V.

Spores from Takata layers of western Bashkiria. Vop. geomorf. i
geol. Bashk. no.1:91-99 '57. (MIRA 11:4)
(Bashkiria--Spores (Botany), Fossil)

CHIBRIKOVA, Ye.V.; ROZHDESTVENSKAYA, A.A.; OBOLENTSEV, R.D., prof.,
doktor khim.nauk, glavnyy red.; GILLI, A.I., doktor geol.-
miner.nauk, otv.red.; CHEPIKOVA, I.M., red.izd-va; ASTAF'YEVA,
G.A., tekhn.red.

[Materials on the paleontology and stratigraphy of Devonian
and older deposits of Bashkiria] Materialy po paleontologii
i stratigrafii devonskikh i bolee drevnikh otlozhenii Bashkirii.
Moskva, Izd-vo Akad.nauk SSSR, 1959. 246 p. (MIRA 13:1)
(Bashkiria--Paleontology, Stratigraphic)

CHIBRIKOVA, Ye.V.

Age of the basal horizon of the Eifelian stage in western Bashkiria.
Vop.geol.vost.okr.Rus.platf.i Uzh.Urala no.7:118-123 '60.

(MIRA 14:10)

(Bashkiria--Geological time)

TYAZHEVA, Aleksandra Pavlovna; ROZHDESTVENSKAYA, Anna Abramovna;
CHIBRIKOVA, Yevgeniya Vasil'yevna; OLLI, A.I., doktor geol-
miner. nauk, prof., otv. red.; MIRAKOVA, L.V., red. izd-va;
MISHINA, R.L., red. izd-va; UL'YANOVA, O.G., tekhn. red.

[Brachiopoda, Ostracoda, and spores of the Middle and Upper
Devonian in Bashkiria] Brakhiopody, ostrakody i spory srednego
i verkhnego devona Bashkirii. [By] A.P. Tiazheva i dr. Moskva,
Izd-vo Akad. nauk SSSR, 1962. 477 p. (MIRA 16:2)
(Bashkiria--Paleontology, Stratigraphic)

CHIBRIKOVA, Ye.V.

Conditions governing the formation of spore-pollen complexes
and their use for the restoration of the sedimentation and
paleogeographic environment. Izv. AN SSSR. Ser. geol. 28
no.12:102-110 D'63. (MIRA 17:2)

1. Gorno-geologicheskii institut Bashkirskogo filiala AN
SSSR, Ufa.

CHIBUKHCHYAN, R.; TSKHOVREBOV, V.

Producers' cooperative societies of Georgia. Prom.koop. 13
no.10:28 0 '59. (MIRA 13:2)

1. Rukovoditel' gruppy vnedreniya proyektno-konstruktorskoy
kontory Gruzpromsoвета, Tbilisi (for Chibukhchyan); Nachal'nik
konstruktorskogo byuro Gruzpromsoвета, Tbilisi (for TSkhovrebov).
(Georgia--Art industries)

KUZNETSOV, Ye.A.; CHIBUKHCHYAN, Z.O.

Possibility of determining the absolute age of rocks by comparative birefringence dispersion. Sov.geol. 6:150-152 F '63. (MIRA 16:4)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.
(Geological time) (Dispersimetry)

CHIBURKICHYAN, Z.O.

Isomicrocline from the rocks of an ancient metamorphic
complex of the Armenian S.S.R. Zap.Arm.otd.Vses.min.cb-
va no.1:119-126 1959. (MIRA 14:10)
(Armenia--Microcline)

BAGDASARYAN, G.P.; CHIBUKHCHYAN, Z.O.

Petrography and conditions governing the formation of the
Lermontovo gabbroic intrusive. Zap.Arm.otd.Vses.min.d-b-va no.2:
103-117 '63. (MIRA 16:10)

CHIBUKHCHYAN, Z.O.

Determination of the absolute age of plagioclases by the method of birefringence comparative dispersion. Dokl. AN Arm. SSR 37 no.4:227-230 '63. (MIRA 17:8)

1. Institut geologicheskikh nauk AN ArmSSR. Predstavleno akademikom AN Armyanskoy SSR S.S. Mkrtchyanom.

CHIBUKHCHYAN, Z.O.; KHORENYAN, R.A.

Determining the absolute age of hornblende by the method of
birefringence comparative dispersion. Dokl. AN Arm. SSR 37
no.5:277-279 '63. (MIRA 17:9)

1. Institut geologicheskikh nauk AN Armyanskoy SSR. Predstavleno
akademikom AN Armyanskoy SSR I.G. Magak'yanom.

CHIBUKHCHYAN, Z.O.; KHORENYAN, R.A.

Composition and dispersion of the birefringence of potassium feldspars and monoclinic pyroxenes. Izv. AN Arm. SSR. Nauki o zem. 17 no.3/4:29-40 '64. (MIRA 17:11)

1. Institut geologicheskikh nauk AN Armyanskoy SSR.

CHIBUKMAJNER, N.B., ...

"Repeated Operations for Injuries to the Periphery Nerve."
SO: Trudy Ukr. Psykhonevrol. In-ta, Vol. XXIII, 1947, pp 224-27

CHIBUKMAKHER, N. B.

CHIBUKMAKHER, N. B. and BONDAREV, N. N. "Sympatheticalgia of the eyes in the light of anatomic data", Oftalmol. zhurnal, 1948, No. 4, p. 157-61.

SO: U-3042, 11 March 53, (Letopis 'nykh Statey, No. 10, 1949).

CHIBUZMAKHER, N. B.

Chibuzmakher, N. R. - "Results of surgical treatment of traumas of peripheral nerves," In symposium: VIII Sessiya Neyrokhirurg. soveta i Leningr. in-ta neyrokhirurgii, (Akad. med. nauk SSSR), Moscow, 1948, p. 253,56.

SC: U-3600, 10 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 6, 1949).

CHIBUKMAKHER, N.B.

Chibukmakher, N.B. "Far-reaching results of trauma of peripheral nerves," Trudy XXV
Vsesoyuz. s'yezda khirurgov. Moscow, 1948, p. 388-92

SO: U-3264, 10 April 1953, (Letopis 'Zhurnal 'nykh Statey, No. 3, 1949)

CHIBUKMAKHER, N. B.

Chibukmakher, N. B. - "Surgical treatment of long-standing injuries of the perforating nerves," In the symposium: V. N. Shamov, Kiev, 1949, p. 53-64

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949)

CHIBUKMAKHER, N. B.

"Professor Zakhariy Yosifovich Geymanovich," Khirurgiya, Vol.3, pp 85-86,
1949. (Deceased)

Translation - U-4788, 9 Oct 53.

CHIBUKMAKHER, N. B.

PA 48/49T68

USSR/Medicine - Trophic Ulcers, Mar/Apr 49

Due to Neurotrauma
Medicine - Trophic Ulcers, Therapy

"Surgical Treatment of Trophic Ulcers Caused by Neurotrauma," Prof N. B. Chibukmakher, Ukrainian Psychoneurological Inst, 3 pp

"Vop Neurokhirurgii" Vol XIII, No 2

Best method for treating trophic ulcers due to neurotrauma is surgery. However, to avoid possibility of erroneous diagnoses, it is necessary to determine: (1) Extent of the neurotrauma, (2) nature of trauma, (3) presence or absence of regenerative syndromes, and

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USSR/Medicine - Trophic Ulcers, Mar/Apr 49
Due to Neurotrauma (Contd)

(4) possibility of carrying out neurotherapy.
Notes that in many cases the ulcer itself can be the source of pathologic impulses.

48/49T68

GOLUBOVA, R.A.; CHIBUKMAKHER, N.B.

18th session of the Ukrainian Psychoneurologic Institute for
Scientific Research. Vop.neirokhir. 18 no2:60-63 Mr-Apr '54.

(MLRA 7:5)

(PSYCHIATRY,
*in Russia, conf.)

(NEUROLOGY,
*in Russia, conf.)

CHIBUMAKHER, N.B., professor; ZOTKINA, Z.A.

Sessions of the Kharkov Neurosurgical Society. Vop.neirokhir. 20
no.4:48-52 J1-Ag '56. (MLRA 9:11)

(NERVOUS SYSTEM--SURGERY)

CHIBUKMAKHER, N.B. Professor

Report on the 20th session of the Ukrainian Institute of Psychoneuro-
logical Research. Vop.neirokhir. 21 no.4:55-57 Je-Ag '57.
(BRAIN-TUMORS) (SCHIZOPHRENIA) (MIRA 10:10)

~~CHIBUKMANNEN~~ H. B. professor; ZOTKINA, Z.A.

Report on the activities of the Kharkov Neurosurgical Society in
1956. Vop.neirokhir. 21 no.4:57-58 Ja-Ag '57. (MIRA 10:10)
(KHARKOV--SURGICAL SOCIETIES)

CHIBUKMAKHER, N.B.; KANTER, F.M.

Inflammatory and suppurative processes in the brain as late sequelae of open cerebrocranial trauma [with summary in English, p.62].
Vop.neirokhir. 22 no.2:21-26 M-Ap '58. (MIRA 11:4)

1. Respublikanskiy neyrokhirurgicheskiy i psikhonevrologicheskiy gosital' dlia invalidov Otechestvennoy voyny.

(BRAIN, wounds and injuries,
causing late inflamm. & suppurative compl. (Rus)

CHIBURMAKHER, N.B., prof., TARNOPOL'SKAYA, L.A., SIROTINA, Ye.I.

The work of the Khar'kov Neurosurgical Society and minutes of sessions
in 1957. Vopr.neirokhir. 22 no.4:60-62 JI-Ag '58 (MIRA 11:9)
(KHAR'KOV--NEUROLOGY--SOCIETIES)

CHIBUKMAKHER, N.B., prof.; SIROMINA, Ye.I.; TARNOVOL'SKAYA, L.A.

Report on activities of the Kharko/ Neurosurgical Society and
minutes of meetings for 1958. *Vop.neirokhir.* 23 no.6:48-51 N-D
'59. (MIRA 13:4)

(KHARKOV--NEUROSURGICAL SOCIETIES)

CHIBUKMAKHER, N.E., prof. (Khar'kov)

Dynamics of vascular reactions in novocaine block of the sino-carotid zones. Vrach. delo no.12:95-99 D '60. (MIRA 14:1)

1. Ukrainskiy nauchno-issledovatel'skiy psikhonevrologicheskiy institut.

(NOVOCAINE)

(CAROTID SINUS—BLOOD SUPPLY)

CHIBUKMAKHER, N. B., prof. (Khar'kov)

Pathogenesis and treatment of resistant forms of trophic ulcers
caused by nerve trauma. Vop. neirokhir. no. 6:34-38 '61.
(MIRA 14:12)

1. Laboratoriya eksperimental'noy neyrokhirurgii Ukrainskogo
nauchno-issledovatel'skogo psikhonevrologicheskogo instituta.

(NERVOUS SYSTEM—WOUNDS AND INJURIES) (ULCERS)

CHIBUKMAKHER, N.B.

Report of the work of the Kharkov Neurosurgical Society for
1961. Vop. neirokhir. 26 no.5:60 S-0*62 (MIRA 17:4)

CHIBUKMAKHER, N.B.

Some errors in the diagnosis and treatment of neuralgias of the superficial nerves of the head. Zhur.nerv.i psikh. 62 no.6:856-859 '62. (MIRA 15:11)

1. Laboratoriya eksperimental'noy neyrokhirurgii i topograficheskoy anatomii Ukrainskogo nauchno-issledovatel'skogo psikhonevrologicheskogo instituta (dir. O.R.Stepanenko). (NEURALGIA, FACIAL)

GHIBUKMAHER, N.B., prof.; TSINKIN, A.M. (Khar'kov)

Use of threads and fabric from plyamide resins in the surgery of peripheral nerves. Vrach.delo no.3:75-80 Mr '63.

(MIRA 16:4)

1. Laboratoriya eksperimental'noy neyrokhirurgii Ukrainskogo nauchno-issledovatel'skogo psikhonevrologicheskogo instituta.
(SUTURES) (NERVES, PERIPHERAL—SURGERY)

CHIBUKMAKHER, N.B.; STROTINA, Ye.I.; DOTSENKO, M.G.

Report on the work of the Kharkov Neurosurgical Society for 1962.
Vop. neurokhir. 27 no.6:56-58 N-D '63.

(MIRA 17:12)

CHIBUKMAKHER, N.

Review of A.I. Arutiunov and K.E. Rudiak's "Cerebrospinal tumors;
a bibliography." Vop. neurokhir. 28 no.6:51-52 N-D '64.
(MIRA 18:4)

CHIBUKMAKHER, N.B.; SIROTINA, Ye.I.; DOTSIKHO, M.G.

Report on the meetings of the Khar'kov Scientific Society of
neurosurgeons during the year 1963. Vop. neirokhir. 28 no.6:58-
59 N-D '64. (MIRA 18:4)

CHERUKHARNE, N.B.

Clinical anatomical comparisons in the diagnosis and treatment
of facial neuralgia. Zhur. nevr. i psikh. 65 no.9:1331-1334 '65.
(MIRA 16:9)

1. Ukrainskiy nauchno-issledovatel'skiy psikhonevrologicheskiy
institut (direktor O.R. Stepanenko), Khar'kov.

~~CHIBUKHAKHER~~, Naum Borisovich, prof.; GORBACHEV, Mikhail
Sergeyevich, prof.; SHAMOV, V.N., zas. deyatel' nauki,
prof., red. [deceased]; LITVAK, L.B., zas. deyatel' nauki
prof., red.; PANCHENKO, D.I., red.

[Atlas of surgery on the spinal cord] Atlas operatsii na
spinnom mozgu. Kiev, Zdrav'ia, 1965. 147 p.
(MIRA 18:4)

CHIBUNOVSKIY, N. G.

Chibunovskiy, N. G. "Organization of tile production in factories of the government industry of building materials of Mosgorispolkom," Sbornik rabot po mest. stroit materialam (Upr. prom-sti stroymaterialov i stroydetaley Mosgorispolkoma, Nauch.-issled. i eksperim. stantsiya), Issue 1, 1948, p. 17-22

SO: U-3264, 10 April 53 (Letopis 'Zhurnal 'nykh Statey, No. 4, 1949).

Chibunovskiy, N.G.

LOPOVOK, L.I.; POPEKIN, P.I.; CHIBUNOVSKIY, N.G.

Problems involved in the design of facade ceramics. Stek. i ker.
12 no.10:18-21 0 '55. (MLRA 9:1)
(Ceramic industries)

~~CHIRBUNSELY~~

Yesterday and today. Stroi.mat. 3 no.10:18-21 0 '57. (MIRA 10:10)
(Brick industry--History)

CHIBUNOVSKIY, N.G.

CHIBUNOVSKIY, N.G., inzhener.

Raise technical standards in brick industry. Mekh. trud. rab. 11
no.4:9-11 Ap '57. (MIRA 10:6)

(Brick industry)

CHIBUNOVSKIY, N. G.

ROSTOVTSEVA, K. I. INZH. i CHIBUNOVSKIY, N. G. - Inzhener.

Vsesoyuznyy nauchno-issledovatel'skiy institut stroitel'noy keramiki.

Razrabotka novykh vidov oblitsovochnykh keramicheskikh izdeliy dlya
bysotnogo stroitel'stva. Page 99

SO: Collection of Annotations of Scientific Research Work on Construction,
completed in 1950,
Moscow, 1951

CHIBUNOVSKIY, V.A.

Effect of functional disorders of the thyroid gland on the development
of malignant tumors in animals. Izv. AN Kazakh. SSR. Ser. med. i
Fiziol. no.2:68-79 '61. (MIRA 15:4)

(THYROID GLAND)

(CANCER)

CHIBUNOVSKIY, V.A.

Characteristics of intubation anesthesia in transpleural
surgery on cancer of the esophagus and cardia. Trudy Inst.
klin. i eksp. khir. AN Kazakh. SSR 8:140-145 '62.

(MIRA 17:7)

KOLOMITSKAYA, L.A.; TURGANBAYEV, A.T.; CHIBUNOVSKIY, V.A.

Rare case of primary multiple tumors. Trudy Inst. klin.
i eksp. khir. AN Kazakh. SSR 8:146-150 '62. (MIRA 17:7)

CHIBUNOVSKIY, V.A.

Use of intubation anesthesia in operations due to mitral stenosis
and patent ductus arteriosus. Trudy Inst. klin. i eksp. khir.
AN Kazakh. SSR 9:110-114 '63. (MIRA 17:12)

CHIBUNOVSKIY, V.A.; CHERNOV, V.K.; TURKIN, V.F.

Use of Engstrom's respirator in the implementation of controlled
respiration during operations on the heart. Trudy Inst. klin. i
eksp. khir. AN Kazakh. SSR 9:126-129 '63. (MIPA 17:12)

CHIBUNOVSKIY, V.A.; GUT, V.A.

Use of intramuscular barbiturate basic anesthesia in child
surgery. Trudy Inst. klin. i eksp. khir. AN Kazakh. SSR
9:156-160 '63. (MIRA 17:12)

CHIBUNOVSKIY, V.A.; BOLDYREVA, A. Ya.

Complicated intratracheal anesthesia in the removal of a neurofibroma of the posterior mediastinum spreading into the thoracic part of the trachea. Trudy Inst. klin. i eksp. khir. AN Kazakh. SSR 9:161-164 '63. (MIRA 17:12)

ERYAKIN, Yu.M.; CHIBUNOVSKIY, V.A.; CHEPNOV, V.K.

Case of gas embolism of the cerebral vessels during a mitral commissurotomy under intratracheal anesthesia with nitrous oxide and oxygen. Trudy Inst. klin. i eksp. khir. AN Kazakh. SSR 9:165-168 '63. (MIRA 17:12)

CHIBUNOVSKIY, V.A.

Some problems of anesthesia in surgery on the thyroid gland.
Trudy Inst. klin. i eksp. khir. AN Kazakh. SSR 9:169-174 '65.
(MIRA 17:12)

CHIBUROVA, Anastasiya Stepanovna, propagandist kruzhska, insh.;
ANDREYEVA, Ye.D., red.; AZOVKIN, N.G., tekhn. red.

[Theory and practice are inseparable] Teoriia i praktika ne-
razryvny. Riazan', Riazanskoe knizhnoe izd-vo, 1961. 30 p.
(MIRA 16:1)

1. Ryzanskaya fabrika "Pobeda Oktyabrya" (for Chiburova).
(Industrial management—Study and teaching)

CA CHICHACHEV, S.M.

8

The quartz of Bashkirtia. S. M. Chichachev. *Zapiski Vostochnogo Mineral. Obshchestva (Mem. Soc. Russ. Mineral.)* 76, 181-2 (1947); *Chem. Zvest.* 1948, 11, 981. The rock crystal found in the Bashkirtia region belongs to the Alpine type. The crystals are 5-25 cm. in diam. and 10-80 cm. long. The following forms were observed: prism (1010), pos. rhombohedron (1011), and neg. rhombohedron (0111). Trigonal pyramids (1121) and trigonal trapezoids (5111) were also occasionally found. Most of the crystals are rose color (smoky). Flakes of chlorite are found in the interior. M. G. Moser

1957

CHICHAGOV, A.P.; ILYUSHIN, V.V.; BELOV, N.V., akademik

Crystal structure of cadmium tungstate CdWO_4 . Dokl. AN SSSR 166
no.1:87-89 Ja '66. (MIRA 19:1)

1. Moskovskiy gosudarstvennyy universiteta im. M.V.Lomonosova
i Institut kristallografii AN SSSR.

L 07904-67 EWT(m)/EMP(f)/ETI IJP(c) JD
ACC NR: AP6024674 (A, N) SOURCE CODE: UR/0070/66/011/004/0686/0689

AUTHOR: Chichagov, A. V.; Dom'yanets, L. N.; Ilyukhin, V. V.; Belov, N. V.

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B

ORG: Institute of Crystallography AN SSSR (Institut kristallografii AN SSSR);
Moscow State University in, M. V. Lomonosov (Moskovskiy gosudarstvennyy universitet)

TITLE: Synthesis and crystal structure of cadmium molybdate

SOURCE: Kristallografiya, v. 11, no. 4, 1966, 686-689

TOPIC TAGS: cadmium compound, molybdate, crystallization, exchange reaction,
stoichiometry, crystal lattice structure

ABSTRACT: The single crystals of $CdMoO_4$ were the product of hydrothermal crystallization in the systems $CdO-MoO_3-MCl-H_2O$ ($M = Li, Na, K$). The synthesis was in an autoclave with working chamber volume 45 -- 50 cm^3 , at pressure 1,000 -- 1,500 atm for 3 -- 5 days. During the hydrothermal synthesis, in addition to the dissolution of the components, their transport, and crystallization of the cadmium molybdate in the cold zone of the autoclave, an exchange reaction between $CdMoO_4$ and $LiCl$ was observed in the liquid phase at $LiCl$ concentrations larger than 20%, with formation of a mixed $Li-Cd$ -molybdate of constant but non-stoichiometric composition. The

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UDC: 548.736.4