KIPRIYAN, Karp Moiseyevich; KANKVSKAYA, M.D., red.; MUKHINA, Ye.S., tekhn.red.

[How to organize certification for the attainment of the second rank in the "Ready for Air Defense" organization] Kak organizovat' priem norm "Gotov k PVO" vtoroi stupeni. Moskva, Izd-vo DOSAAF, 1960. 63 p. (MIRA 14:3)
(Air defenses)

ALEKSANYAN, A.M. [deceased]; [illegible]

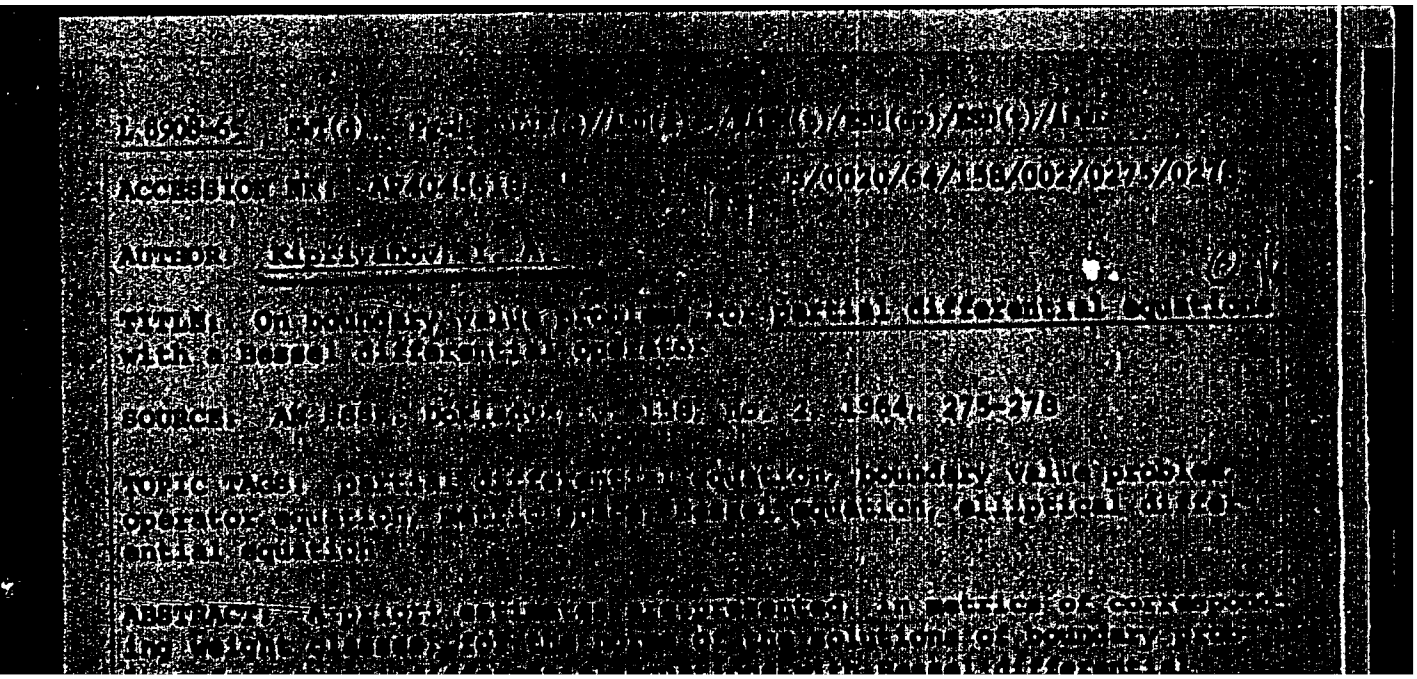
Effect of some substances on the transfer of stimulation from the nerve to the muscle. Zhur. eksp. i klin. med. 4 no.2:3-7 '64. (MIRA 17:8)

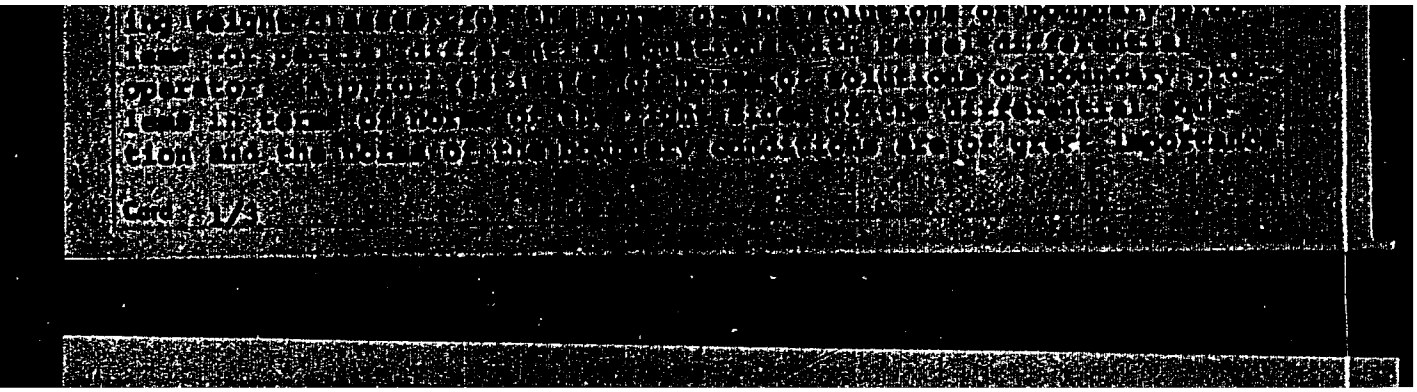
1. Institut fiziologii imeni akademika L.A. Orbeli AN ArmSSR.

SERBENYUK, TS.V.; SHISHOV, B.A.; KIPRIYAN, T.K.

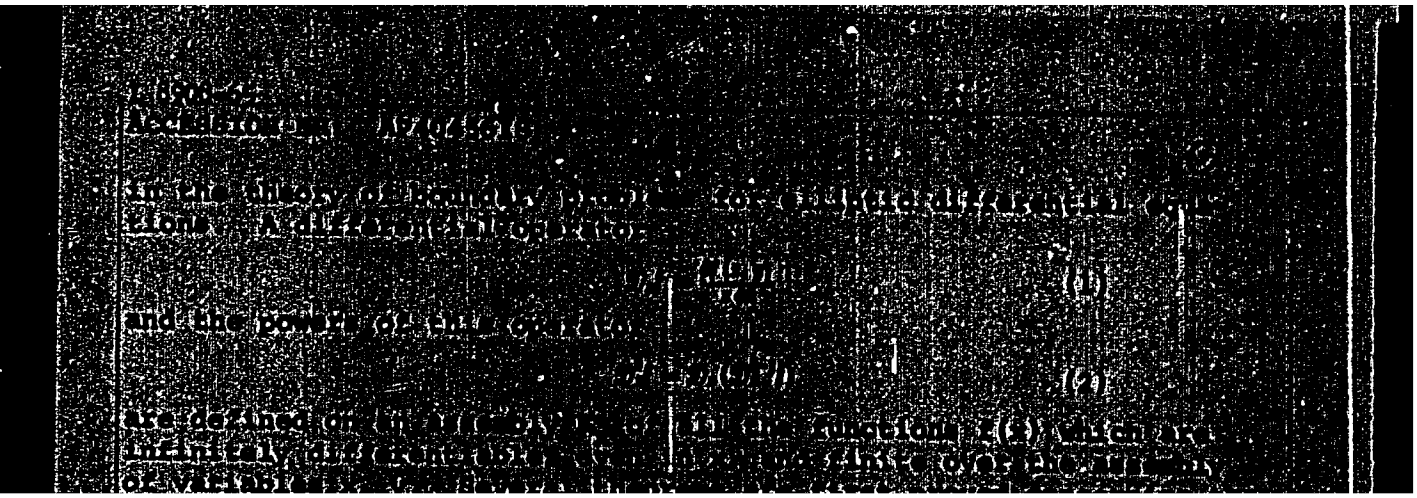
Interrelations of automatic and reflex processes in the formation of the rhythmic activity of the respiratory center in fishes. Biofizika 4 no. 6:657-665 '59. (MIRA 14:4)

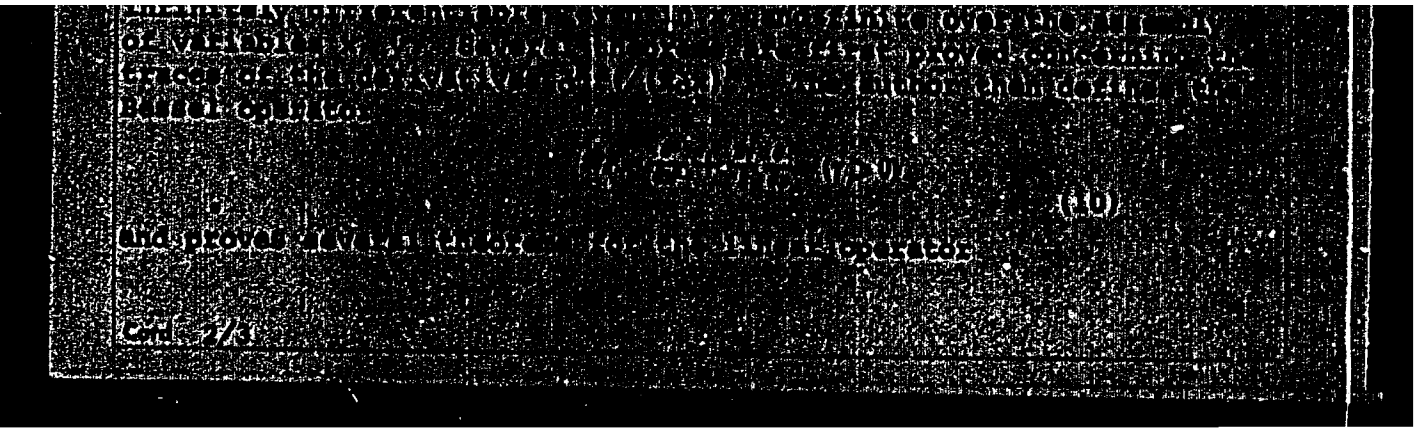
1. Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo universiteta imeni M.V. Lomonosova.
(RESPIRATION) (NERVOUS SYSTEM--FISHES)

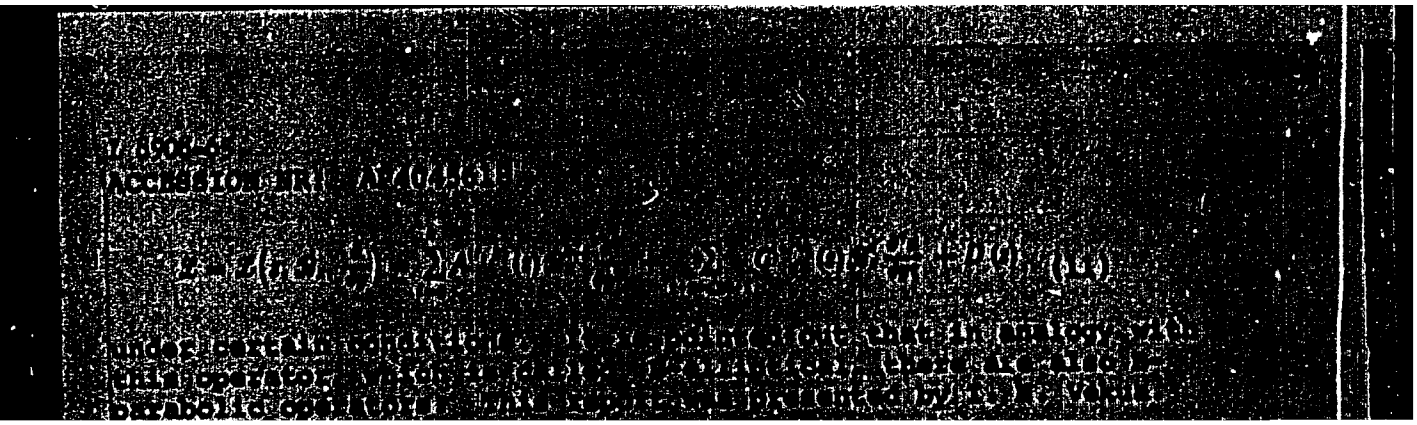


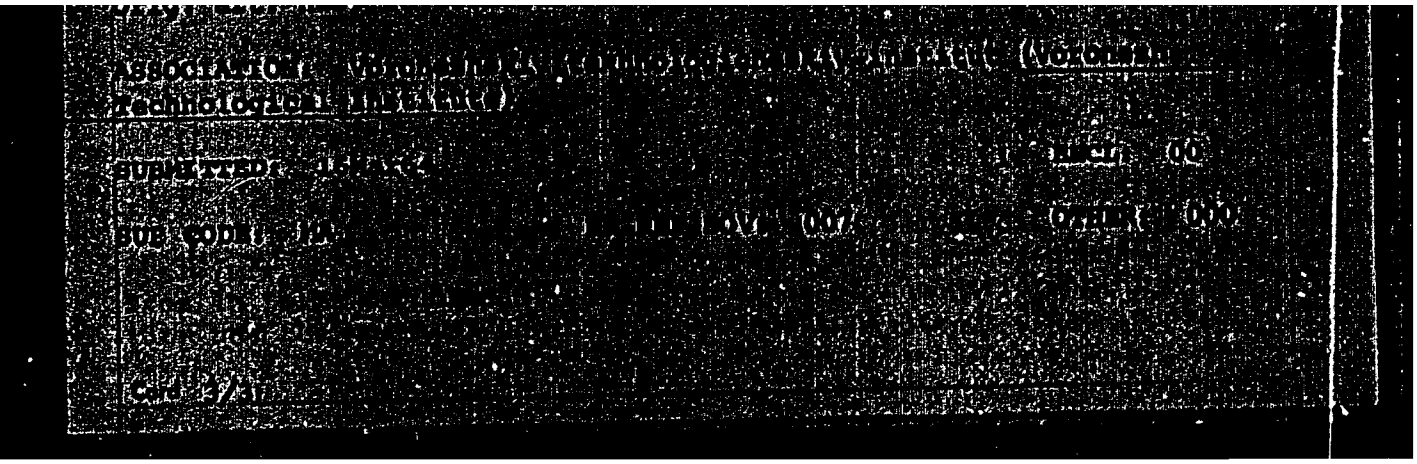


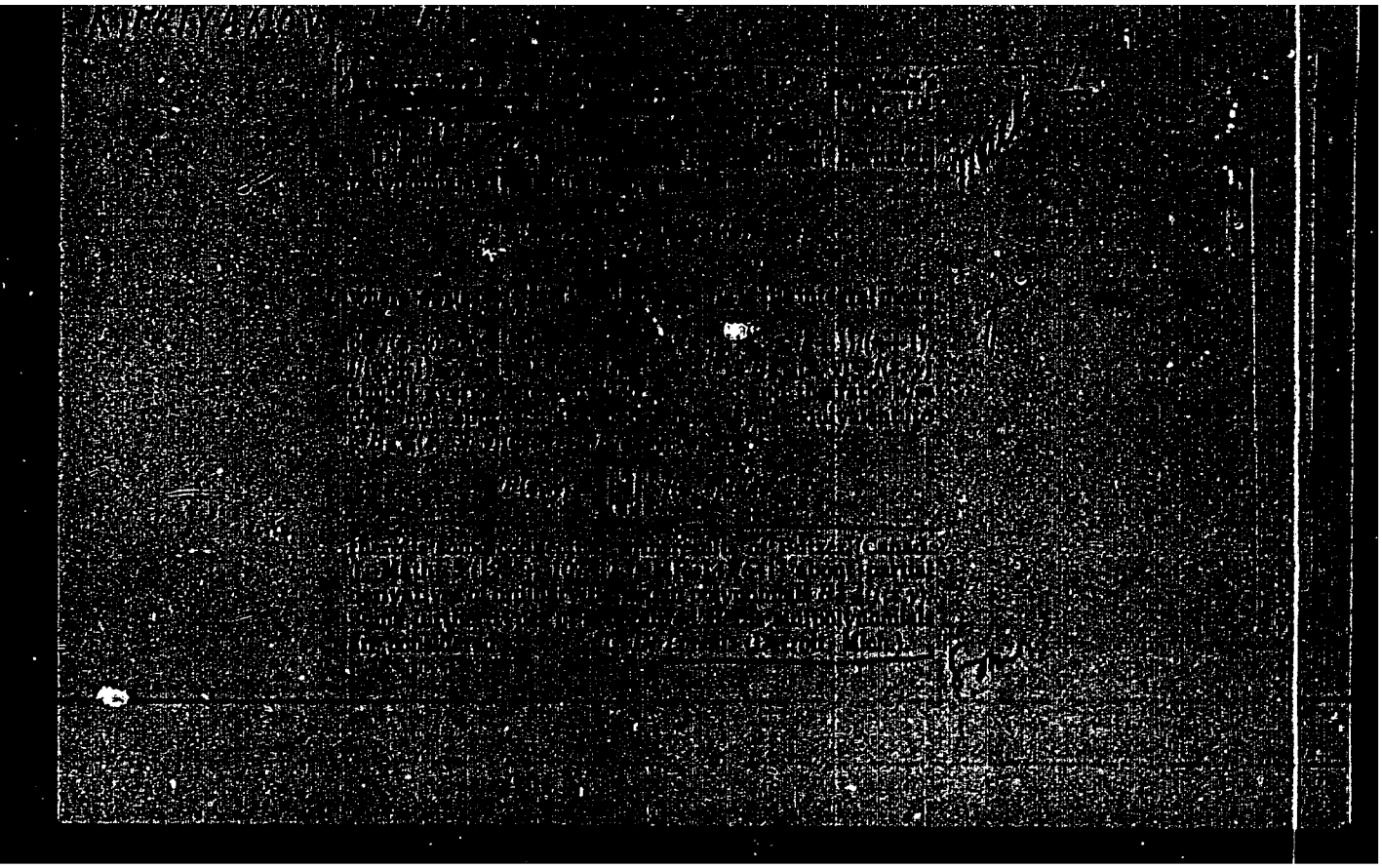
Card 2/3











KIPRIYANOV, I. A.

Dissertation: "The Summing of Fourier Series and Interpolation Processes for Functions of Two Variables." Cand Phys-Math Sci, Kazan' State U, Kazan', 1954. (Referativnyy Zhurnal--Matematika, Moscow, Aug 54)

SO: SUM 393, 28 Feb 1955

KIPRIYANOV, I.A.

Summation of interpolation processes for functions of two variables. Dokl.AN SSSR 95 no.1:17-20 Mr '54. (MLRA 7:3)

1. Kazanskiy gosudarstvennyy universitet im. V.I.Ul'yanova-Lenina. (Interpolation) (Functions of several variables)

KIPRIYANOV, I. A.

USSR/Mathematics - Interpolational functions

Card 1/1 : Pub. 22 - 2/44

Authors : Kipriyanov, I. A.

Title : On convergence and summation of trigonometric interpolational polynomials for functions with two variables.

Periodical : Dok. AN SSSR 97/6, 953-955, Aug 21, 1954

Abstract : A series of theorems intended to prove the following statement is presented: if a method of summation can sum up, in a certain meaning, Fourier's function f(x,y), then it (the method) will sum up in the same meaning the functions of trigonometric interpolational polynomials at equidistant knots as well, and more generalized approximating polynomials containing the interpolational polynomials as a particular case. One reference (1954).

Institution : Kazan State University of im. V. I. Lenin-Ul'yanov.

Presented by : Academician V. I. Smirnov, May 21, 1954

KIPRIYANOV, I.A.

Fejér's method for summation of double Fourier's series. Trudy KAI 31:91-106 '56. (MLRA 10:5)
(Fourier's series)

67068

SOV/44-59-9-9257

~~16(1)~~ 16.3500 16.2600 16.4400

Translation from: Referativnyy zhurnal.Matematika,1959,Nr 9,p 125 (USSR)

AUTHOR: Kipriyanov,I.A.

TITLE: On Some Function Spaces Connected With Fractional Derivatives

PERIODICAL: Tr.Seminara po funkts.analizu.Voronezhsk.un-t.1958,vyp6,49-65

ABSTRACT: Let $P(x_1,x_2,\ldots,x_n)$ and $Q(t_1,t_2,\ldots,t_n)$ be points of the cube Ω defined by the inequations $0<x_i<1$, $i=1,2,\ldots$; $f(P)$ - a function summable in Ω; a_i, $i=1,2,\ldots,n$, numbers of the interval $(0,1)$. If the function

$$(1)\ \varphi(P)=\frac{\partial^n}{\partial x_1\partial x_2\ldots\partial x_n}\frac{1}{\prod_{i=1}^{n}\Gamma(1-\alpha_i)}\int_0^{x_1}\ldots\int_0^{x_n}\prod_{i=1}^{n}(x_i-t_i)^{-\alpha_i}f(Q)dQ$$

is defined and summable almost everywhere in Ω, then it is called fractional partial derivative of $f(P)$ with the order $\alpha_1+\alpha_2+\ldots+\alpha_n$ and it is denoted by

$$\frac{\partial^{\alpha_1+\alpha_2+\ldots+\alpha_n}f}{\partial x_1^{\alpha_1}\partial x_2^{\alpha_2}\ldots\partial x_n^{\alpha_n}}.$$

Card 1/4

16(1)

SOV/44-59-9-9257

On Some Function Spaces Connected With Fractional Derivatives

The author obtains the identity:

$$\frac{1}{\prod_{i=1}^{n}\Gamma(\alpha_i)}\int_0^{x_1}\cdots\int_0^{x_n}\prod_{i=1}^{n}(x_i-t_i)^{\alpha_i-1}\frac{\partial^{\alpha_1+\ldots+\alpha_n}f(Q)}{\partial t_1^{\alpha_1}\ldots\partial t_n^{\alpha_n}}\,dQ = f(P).$$

If the function (1) has a generalized derivative in

$$\frac{\partial^l\varphi}{\partial x_1^{k_1}\ldots\partial x_n^{k_n}}, \quad l = k_1+\ldots+k_n,$$

where $k_1,\ldots,k_n$ are non-negative integers, then the derivative is called generalized fractional derivative of the order $l+\alpha_1+\ldots+\alpha_n$ of the function $f(P)$. $W_{p,l}^{(\alpha_1,\ldots,\alpha_n)}$ denotes the set of summable functions which have generalized derivatives of the order $l+\alpha_1+\ldots+\alpha_n$ ($\alpha_1,\alpha_2,\ldots,\alpha_n$ fixed given numbers) which in Ω are summable in p-th power. For functions of this set the author obtains an integral identity which generalizes the well-known integral identity of S.L.Sobolev.

Card 2/4

16(1) 67068

SOV/44-59-9-9257

On Some Function Spaces Connected With Fractional Derivatives

The case $\alpha_1 = \ldots = \alpha_n = \alpha$ is considered separately. The notations

$$W_{p,o}^{(\alpha_1,\ldots,\alpha)} = W_p^{(\alpha)}; \quad W_{p,1}^{(\alpha,\ldots,\alpha)} = W_p^{(1,\alpha)}$$

are introduced. The norm in $W_p^{(\alpha)}$ is defined by

$$\| f \|_{W_p^{(\alpha)}} = \left\| \frac{\partial^{n\alpha} f}{\partial x_1^{\alpha} \ldots \partial x_n^{\alpha}} \right\|_{L^p}$$

The norm in the $W_p^{(1,\alpha)}$ is introduced by decomposing this space into a direct sum, as S.L.Sobolev has done for the space $W_p^{(1)}$. The completeness of the spaces $W_p^{(\alpha)}$ and $W_p^{(1,\alpha)}$ is proved. The author proves the imbedding theorems:

Theorem 1: If $f \in W_p^{(\alpha)}$ and $\alpha > \frac{1}{p}$, then f(P) is continuous and the imbedding operator of $W_p^{(\alpha)}$ in C is completely continuous. But if $f \in W_p^{(\alpha)}$ and

Card 3/4

16(1)

67068
SOV/44-59-9-9257

On Some Function Spaces Connected With Fractional Derivatives

$0<\alpha\leqslant 1/p$, then $f\in L^q$ $q<\frac{p}{1-\alpha p}$; the imbedding operator of $W_p^{(\alpha)}$ in L^q is completely continuous.

Theorem 2: If $f\in W_p^{(1,\alpha)}$ and $n<\frac{1p}{1-\alpha p}$, then $f(P)$ is continuous and the imbedding operator of $W_p^{(1,\alpha)}$ in C is completely continuous.

Theorem 3: If $f\in W_p^{(1,\alpha)}$, $n\geqslant\frac{1p}{1-\alpha p}$ and $q<\frac{np}{n-(1+\alpha n)p}$, then $f\in L^q$; the imbedding operator of $W_p^{(1,\alpha)}$ in L^q is completely continuous.

S.G.Mikhlin

Card 4/4

AUTHOR: Kipriyanov, I.A. SOV/140-58-6-12/27

TITLE: On Convergence and Summation of Interpolation Processes for Functions of two Variables (O skhodimosti i summirovanii interpolyatsionnykh protsessov dlya funktsiy ot dvykh peremennykh)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1958, Nr 6, pp 111-126 (USSR)

ABSTRACT: This is a detailed representation of the results announced in [Ref 8] and Doklady Akademii nauk SSSR, 1954, Vol 97, Nr 6. There are 8 references, 6 of which are Soviet, and 2 Polish.

ASSOCIATION: Voronezhskiy lesotekhnicheskiy institut (Voronezh Forest-Technical Institute)

SUBMITTED: March 4, 1958

Card 1/1

16(1)

AUTHOR: Kipriyanov, I.A.

SOV/20-126-6-9/67

TITLE: Fractional Derivative and Embedding Theorems

PERIODICAL: Doklady Akademii nauk SSSR,1959,Vol 126,Nr 6, pp 1187 - 1190 (USSR)

ABSTRACT: Let $f(Q)$ be a summable function defined in the convex domain Ω of the n-dimensional Euclidean space. Let P be a fixed point of Ω and $Q(r,\vec{e})$ an arbitrary point of Ω, where $\vec{e}$ is the unit vector from P to Q and r the distance PQ. If there exists a function $f^{(\alpha)}(P,Q)$, $0 < \alpha < 1$ summable in (P,Q) satisfying the integral relation

$$(1) \qquad \int_0^r f^{(\alpha)}(P,P+\vec{e}\,t)\,t^{n-1}\,dt = \frac{1}{\Gamma(1-\alpha)} \int_0^r (r-t)^{-\alpha}\left[f(P+\vec{e}\,t)-f(P)\right] t^{n-1}\,dt \,,$$

then it is called fractional derivative of f of order α in the point Q in the direction $\vec{e}$. If (1) is satisfied for

Card 1/3

almost all $P,Q \in \Omega$, then $f^{(\alpha)}$ is called fractional derivative of the order α of f in Ω. Theorem : If $f^{(\alpha)}(P,Q)$ is bounded with respect to (P,Q), then it is $f \in \mathrm{Lip}\,\alpha$.
Theorem : From $f^{(\alpha)}(P,Q) \in L_p$ $(p>1)$ and $\alpha > \frac{1}{p}$ it follows $f \in \mathrm{Lip}(\alpha - \frac{1}{p}, p)$. ($f \in \mathrm{Lip}(\beta,p)$, $(p \geq 1, 0 < \beta \leq 1)$ means that $\int_{\omega} d\chi \int_{0}^{d(\vec{e})-h} |f(Q + \vec{e}h) - f(Q)|^p r^{n-1} dr < Ch^{\beta p}$, where $h>0$, $d(\vec{e})$ is the length of the ray of P in the direction $\vec{e}$, $d\chi$ the element of solid angle of the unit sphere, ω the surface of the unit sphere).
Theorem : If $0 < \alpha < \beta \leq 1$ and $f \in \mathrm{Lip}\,\beta$, then there exists $f^{(\alpha)}(P,Q)$ and is continuous in (P,Q).
The introduced fractional derivative is used in order to obtain in a new way embedding theorems in the Sobolev spaces

Fractional Derivative and Embedding Theorem 307/20-126-6-9/67

$W_p^{(k)}(\Omega)$ with fractional index k. Altogether there are 11 theorems. S.L. Sobolev, S.M. Nikol'skiy, and L.N. Slobodetskiy are mentioned in the paper. The author thanks S.G. Kreyn for suggestions.
There are 3 Soviet references.

ASSOCIATION: Voronezhskiy lesotekhnicheskiy institut (Voronezh Forestry Technical Institute)

PRESENTED: February 28, 1959, by S.L. Sobolev, Academician

SUBMITTED: November 11, 1958

Card 3/3

KIPRIYANOV, I.A.

Spaces of fractional differentiable functions. Izv. AN SSSR. Ser. mat. 24 no. 6:865-882 N-D '60. (MIRA 14:1)

1. Predstavleno akademikom I.N. Vekua.
(Functional analysis)

68967

~~16(1)~~ 16.2600 16.3500 S/020/60/131/02/005/071

AUTHOR: Kiprianov, I.A. 16

TITLE: Fractional Differentiation Operator and Powers of Elliptical Operators

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol 131, Nr 2, pp 238-241 (USSR)

ABSTRACT: The present paper joins the earlier investigation of the author [Ref 3], where for functions $f \in W_p^{(1)}(\Omega)$ the fractional derivative $f^{(\alpha)}(D,Q)$ is defined in the convex domain Ω of the E_n. Now it is assumed that D is a fixed point of $\bar{\Omega}$ and the set of all $f \in W_p^{(1)}(\Omega)$ is considered for which $f^{(\alpha)}(D,Q)$ is summable as a function of the point Q. On this set the operator of the fractional differentiation $D^\alpha f(Q)$ is defined by $D^\alpha f(Q) = f^{(\alpha)}(D,Q)$.

Theorem 1: Let $f \in W_p^{(1)}(\Omega)$, $1p > n$, $0 < \alpha < \min\left[1 - \frac{n}{p}, 1\right]$. For all sufficiently small δ it is

(2) $\|D^\alpha f\|_{C(\Omega)} \leq \frac{K}{\delta^\nu} \|f\|_{L_p(\Omega)} + \delta^{1-\nu} \|f\|_{L_p^{(1)}(\Omega)}$,

Card 1/4

where $\nu = \frac{n}{pl} + \frac{\alpha}{l}$ and the constant K does not depend on δ, f, and $D \in \overline{\Omega}$.

Let $\overset{o}{W}{}_p^{(1)}(\Omega)$ be the set of the $f \in W_p^{(1)}(\Omega)$ for which $f|_\Gamma = 0$, where Γ is the boundary of Ω. Let $D \in \Gamma$.

Theorem 2: Let $f \in \overset{o}{W}{}_p^{(1)}(\Omega)$, $0 < \alpha < 1 - \frac{n}{p} + \frac{n}{q}$, $q > p$. Then for all sufficiently small $\delta > 0$ it holds

$$(5) \quad \|D^\alpha f\|_{L_q(\Omega)} \leq \frac{K}{\delta^\nu} \|f\|_{L_p(\Omega)} + \delta^{1-\nu} \|f\|_{L_p^{(1)}(\Omega)},$$

where $\nu = \frac{n}{l}\left(\frac{1}{p} - \frac{1}{q}\right) + \frac{\alpha+\beta}{l}$, $\beta > 0$ is arbitrarily small and K does not depend on δ, f, D.

Let

(8) $$Lf = -\sum_{i,k=1}^{n} \frac{\partial}{\partial x_i}\left(a_{i,k}(x)\frac{\partial f}{\partial x_k}\right)$$

be an elliptic operator defined on $\overset{o2}{W}_2(\Omega)$; let it be positive definite and selfadjoint.

Theorem 3: D^{α} is an operator of fractional order $\leq \frac{\alpha}{2}$ with respect to L, i.e. for $\frac{\alpha}{2} < \gamma < 1$ on $\overset{o2}{W}_2(\Omega)$ there holds the inequation

(11) $$\|D^{\alpha}f\|_{L_2(\Omega)} \leq C\|L^{\gamma}f\|_{L_2(\Omega)},$$

where C does not depend on $D \in \Gamma$.

Theorem 4: Let $2\gamma - \frac{n}{2} \leq \alpha < 2\gamma$. Then $D^{\alpha}L^{-\gamma}$ is a bounded operator of $L_2(\Omega)$ into $L_q(\Omega)$, where $\frac{1}{q} \frac{1}{2} - \frac{2\gamma - \alpha}{n}$.

The author considers the problem

68967

Fractional Differentiation Operator and Powers of Elliptical Operators S/020/60/131/02/005/071

$$(12)\quad \sum_{i,k=1}^{n} \frac{\partial}{\partial x_i}\left(a_{ik}(x)\frac{\partial f}{\partial x_k}\right)+p(x)D^{\alpha}f+q(x)f=\varphi(x),\qquad f\big|_{\Gamma}=0,$$

where $p(x)$, $q(x)$ are bounded functions.

Theorem 5: The spectrum of the operator at the left side of the equation lies in a halfplane $\mathrm{Re}\,\lambda \geq \omega$. If $q(x) > A$, A - sufficiently large, then (12) has a unique solution $f \in \overset{o}{W}{}_2^2(\Omega)$.

The author mentions S.G.Kreyn, P.Ye.Sobolevskiy, Bernshteyn, and Ladyzhenskaya.

There are 7 Soviet references.

ASSOCIATION: Voronezhskiy lesotekhnicheskiy institut (Voronezh Forest Technical Institute)

PRESENTED: November 20, 1959, by S.L.Sobolev, Academician

SUBMITTED: November 18, 1959

Card 4/4

KIPRIYANOV, I.A.

On a class of imbedding theorems with a weight. Dokl. AN SSSR 147 no.3:540-543 N '62. (MIRA 15:12)

1. Predstavleno akademikom S.L. Sobolevym.
(Topology)

ALEKSEYEV, G.P.; ANDON'YEV, V.S.; ARNGOL'D, A.V.; BASKIN, S.M.; BASHMAKOV, N.A.; BEREZIN, V.D.; BERMAN, V.A.; BIYANOV, T.F.; GORBACHEV, V.N.; GRECHKO, I.A.; GRINBUKH, G.S.; GROMOV, M.F.; GUSEV, A.I.; DEMENT'YEV, N.S.; DMITRIYEV, V.P.; DUL'KIN, V.Ya.; ZVANSKIY, M.I.; ZENKEVICH, D.K.; IVANOV, B.V.; INYAKIN, A.Ya.; ISAYENKO, P.I.; KIPRIYANOV, I.A.; KITASHOV, I.S.; KOZHEVNIKOV, N.N.; KORMYAGIN, B.V.; KROKHIN, S.A.; KUDOYAROV, L.I.; KUDRYAVTSEV, G.N.; LARIN, S.G.; LEBEDEV , V.P.; LEVCHENKOV, P.N.; LEMZIKOV, A.K.; LIPGART, B.K.; LOPAREV, A.T.; MALYGIN, G.F.; MILOVIDOVA, S.A.; MIRONOV, P.I.; MIKHAYLOV, B.V., kand. tekhn. nauk; MUSTAFIN, Kh.Sh., kand. tekhn. nauk; NAZIMOV, A.D.; NEFEDOV, D.Ye.; NIKIFOROV, I.V.; NIKULIN, I.A.; OKOROCHKOV, V.P.; PAVLENKO, I.M.; PODROBINNIK, G.M.; POLYAKOV, G.Ya.; PUTILIN, V.S.; RUDNIK, A.G.; RUMYANTSEV, Yu.S.; SAZONOV, N.N.; SAZONOV, N.F.; SAULIDI, I.P.; SDOBNIKOV, D.V.; SEMENOV, N.A.; SKRIPCHINSKIY, I.I.; SOKOLOV, N.F.; STEPANOV, P.P.; TARAKANOV, V.S.; TREGUBOV, A.I.; TRIGER, N.L.; TROITSKIY, A.D.; FOKIN, F.F.; TSAREV, B.F.; TSETSULIN, N.A.; CHUBOV, V.Ye., kand. tekhn. nauk; ENGEL', F.F.; YUROVSKIY, Ya.G.; YAKUBOVSKIY, B.Ya., prof.; YASTREBOV, M.P.; KAMZIN, I.V., prof., glav. red.; MALYSHEV, N.A., zam. glav. red.; MEL'NIKOV, A.M., zam. glav. red.; RAZIN, N.V., zam. glav. red. i red. toma; VARPAKHOVICH, A.F., red.; PETROV, G.D., red.; SARKISOV, M.A., prof., red.; SARUKHANOV, G.L., red.; SEVAST'YANOV, V.I., red.; SMIRNOV, K.I., red.; GOTMAN, T.P., red.; BUL'DYAYEV, N.A., tekhn. red.

(Continued on next card)

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722610009-4"

ALEKSEYEV, G.P.---(continued). Card 2.

[Volga Hydroelectric Power Station; a technical report on the design and construction of the Volga Hydroelectric Power Station (Lenin), 1950-1958] Volzhskaia gidroelektrostantsiia; tekhnicheskii otchet o proektirovanii i stroitel'stve Volzhskoi GES imeni V.I.Lenina, 1950-1958 gg. V dvukh tomakh. Moskva, Gosenergoizdat. Vol.2.[Organization and execution of construction and assembly work] Organizatsiia i proizvodstvo stroitel'no-montazhnykh rabot. Red. toma: N.V.Razin, A.V.Arngol'd, N.L. Triger. 1962. 591 p. (MIRA 16:2)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Razin).
(Volga Hydroelectric Power Station (Lenin)--Design and construction)

KIPRIYANOV, I.A.

Boundary value problems for partial differential equations with a differential Bessel operator. Dokl. AN SSSR 159 no.2[illegible]278 S '64.
(MIRA 17:10)

1. Voronezhskiy tekhnologicheskiy institut. Predstavleno akademikom I.N.Vekua.

SOV/94-58-11-5/28

AUTHOR: Levitan, B.I., Engineer
Kipriyanov, I.V., Candidate of Technical Sciences

TITLE: Experience of Modernising Boilers Shukhov-Berlin Type A-7 (Opyt modernizatsii kotlov Shukhova-Berlina A-7)

PERIODICAL: Promyshlennaya Energetika, 1958, Nr 11 pp 13-16 (USSR)

ABSTRACT: Until 1950 the boiler house of the Leningrad Okhtenskiy Chemical Combine was equipped with three Shukhov-Berlin type A-7 boilers with individual economisers each of 500 sq.m. The boilers had no super-heaters. The average output was 5 tons per hour per boiler and the efficiency was of the order of 63%. One boiler set was reconstructed under the guidance of Engineer B.I. Levitan, the grate surface being raised to 9.? sq.m. and the furnace volume to 39.4 cu.m. A brief account is given of the changes made. On the third trial run the boiler was loaded to 10-12 tons per hour at a pressure of 11 atm and a serious accident occurred after 18 hours operation. Extensive tube failures were found in the screens. It was established that the accident occurred because of cavitation in the water supply tubes of the screen.

Card 1/3

Experience of Modernising Boilers Shukhov-Berlin Type A-7

The changes that were made to prevent this from occurring again are described. After these changes were made no further trouble was experienced and after the boiler had been operating stably for a considerable time under all the operating conditions found in practice a partial test was made on the boiler to determine the conditions of stable circulation in the screen circuits and to measure the throughput of various screens. Data on the load distribution between the screens and the main boiler circuit are given in Table 1. Analysis of the data given in Table 1 shows that further increase in the output of the boiler could be achieved. Tests were also made to determine the quality of steam delivered by the boiler. Further modernisation of the boiler was carried out in the summer of 1953 and cross-sectional drawings of the boiler are given in Figs.1 and 2, the boiler was provided with a back-screen. The alterations made are briefly described. After the boiler had been adjusted and stability of operation had been checked on various working conditions balancing tests were made, the

Experience of Modernising Boilers Shukhov-Berlin Type A-7

results of which are given. Three years have now passed since the first boiler was modernised and now all the boilers have been modernised by this method and are operating satisfactorily. The actual steam output of the boilers in 1956 is given in Table 2. The loads given in Table 2 correspond to production requirements and not to the possibilities of the boilers. It is concluded that for expenditure of about 180,000 roubles the output of the Shukov-Berlin type A-7 boiler can be increased to 14 - 16 tons per hour. The reconstructed evaporative circuit operates stably under all operating conditions. The steam produced by the reconstructed boiler is drier by 1 - 1.5%. There are 2 figures and 2 tables.

L 3782-66 EWT(m)/EPF(c)/EWP(j)/T/EWP(t)/EWP(b) IJP(c) JD/WW/WB/RM

ACCESSION NR: AP5014137 UR/0365/65/001/003/0330/0334

621.794.4

620.197.3

AUTHOR: Klyuchnikov, N. G.; Kipriyanov, N. A.; Laykhter, L. B.; Fateyev, V. D.; Shadrina, N. I.

TITLE: Investigation of the effect which various inhibitors have on the dissolution of iron oxides

SOURCE: Zashchita metallov, v. 1, no. 3, 1965, 330-334

TOPIC TAGS: corrosion, corrosion rate, corrosion inhibitor, iron oxide

ABSTRACT: The authors study the dissolution of iron oxides in mineral acids as well as in solutions of substances which form complex compounds with iron (citric acid and ammonium citrate) for eliminating slag in boilers at thermal electric power stations. Samples of ferrous oxides and mixed iron oxides were prepared by sintering powdered oxides in an argon atmosphere at 1200-1300°C. Ferric oxide specimens were sintered in air at 1300°. The specimens were cylindrical with a surface area of ~7 cm^2. The inhibitors used were: BA-6 (a product of condensation of benzylamine and urotropin); PB-5 (a product of condensation of urotropin and ani-

Card 1/3

ACCESSION NR: AP5014137

O

line); I-1-A, which is a byproduct of the manufacture of 2-methyl-5-ethyl pyridine; "ChM" put out by Soviet Industry according to Technical Specifications MNP-521-54; a mixture of potassium iodide and urotropin; Katapin-A (paradodecylbenzylpyridinium chloride); and Katapin-K. Graphs and tables of the results are given. In most cases, the inhibitors retard the action of hydrochloric acid on both ferrous and ferric oxides. The rate of dissolution of FeO is increased only by I-1-A in 3*N* HCl and BA-6 in 7*N* HCl. In 1*N* and 2*N* mixtures of hydrochloric and sulfiric acids, the rate of dissolution of FeO is reduced or somewhat increased by the presence of inhibitors. In a 5*N* mixture of these acids with a high content of hydrochlorid acid, the stimulating effect of the inhibitors reaches a maximum, and diminishes in 7*N* acids. Dissolution of Fe_2O_3 is retarded by inhibitors in all concentrations of sulfuric-hydrochloric acid mixtures studied. Certain concentrations of BA-6 inhibitor in hydrochloric acid and in a hydrochloric-sulfuric mixture accelerate the dissolution of FeO, and have the least effect on retardation of Fe_2O_3 dissolution in comparison with the other inhibitors. At the same time, BA-6 is the most effective agent for retardation of steel dissolution in these media. FeO and Fe_3O_4 dissolve faster in a solution of ammonium monocitrate than in solutions of citric acid. The most effective inhibitor for steel dissolution in citric acid and in ammonium citrate solutions is an additive of 0.1% Katapin and 0.017% Captax. This

L 3782-66
ACCESSION NR: AP5014137

mixture is also quite effective in retarding the dissolution of FeO. Orig. art. has: 4 figures, 3 tables.

ASSOCIATION: Moskovskiy gosudarstvennyy pedagogicheskiy institut im. V. I. Lenina (Moscow State Pedagogical Institute)

SUBMITTED: 25Dec64 ENCL: 00 SUB CODE: MM

NO REF SOV: 000 OTHER: 000

Card 3/3

KIPRIY[illegible]OV, O.P., inzh.

Taking into consideration climate and soil conditions in winter concreting of pavements in the Far East. Sbor. trud. Khab. avt.-dor. inst. no.2:103-112 '62. (MIRA 15:4)

1. Khabarovskiy avtomobil'no-dorozhnyy institut.

KIPRIYANOVA, F. V.

KIPRIYANOVA, F. V.: "The stratigraphy of ocean Cretaceous deposits of the eastern slope of the central Urals, based on the foraminiphera". Sverdlovsk, 1955. Acad Sci USSR. Inst of Geological Sciences. (Dissertations for the degree of Candidate of Geological-Mineralogical Sciences.)

SO: Knizhnaya Letopis' No. 50 10 December 1955. Moscow.

KIPRIYANOVA, F.V.

Certain arenaceous Foraminifera from Cretaceous and Paleogene sediments in the trans-Ural region. Trudy Gor.-geol. inst. UFAN SSSR no.51:73-88 '60. (MIRA 13:9)
(Ural Mountain region—Foraminifera, Fossil)

KIPRIYANOVA, F.V.

Paleogeography of the Eocene in the southern part of the trans-Ural region. Dokl.AN SSSR 136 no.5:1189-1192 F '61. (MIRA 14:5)

1. Gorno-geologicheskiy institut Ural'skogo filiala AN SSSR. Predstavleno akad. A.L.Yanshinym.
(Ural Mountain region--Paleogeography)
(Siberia, Western--Paleogeography)

KIPRIYANOVA, F.V.; PAPULOV, G.N.

Stratigraphic value of the species of Gaudryina filiformis Berthelin for Cretaceous sediments on the eastern slope of the Urals and the trans-Urals. Trudy Gor.geol.inst.UFAN SSSR no.6:111-116 '60. (MIRA 14:10)

(Ural Mountain region--Geology, Stratigraphic)

KIPRIYANOVA, F.V.

New species of upper Cretaceous Foraminifera in the eastern slope of the Central Urals. Trudy Gor.geol.inst.UFAN SSSR no.6:117-128 '60. (MIRA 14:10)

(Ural Mountains--Foraminifera, Fossil)

KIPRIYANOVA, F. V.

Stratigraphy of Cretaceous marine sediments in the eastern slope of the Central Urals in the light of studies of foraminifers. Trudy Gor.-geol. inst. UFAN SSSR no.61:11-48 '61.
(MIRA 15:10)

(Ural Mountains—Deep-sea deposits)
(Ural Mountains—Foraminifera, Fossil)

ZAPREYEV, S.I., inzh.; KOVRIZHIN, A.K., inzh.; KIPRIYANOVA, K.K., inzh.

Use of models in determining the parameters of stopes in the chamber system of mining with the use of rod bolting. Izv. vys. ucheb. zav.; gor. zhur. no.9:20-26 '59. (MIRA 14:6)

1. Tomskiy ordena Trudovogo Krasnogo Znameni politekhnicheskiy institut imeni S. M. Kirova i Kuznetskiy nauchno-issledovatel'skiy ugol'nyy institut.

(Kuznets Basin--Stoping(Mining)--Models)
(Mine roof bolting)

ZAPREYEV, S.I., inzh.; KOVRIZHIN, A.K., inzh.; KIPRIYANOVA, K.K., inzh.

Investigation of the range of application and the parameters of chambers with roof bolting. Izv.vys.ucheb.zav.; gor.zhur. no.2: 31-35 '60. (MIRA 14:5)

1. Tomskiy politekhnicheskiy institut.
(Mine roof bolting)

KIPRIYANOVA, N.V.

GLADKIKH, S.G.; KIPRIYANOVA, N.V.; USTINOVA, A.P.

Tick-borne encephalitis in Molotov Province [with summary in English]. Vop.virus. 2 no.3:165-167 My-Je '57. (MIRA 10:10)

1. TSentral'nyy nauchno-issledovatel'skiy dezinfektsionnyy institut Moskva, i Oblastnaya sanitarno-epidemiologicheskaya stantsiya, Molotov.

(ENCEPHALITIS, EPIDEMIC, epidemiology,
in Russia, tick-borne (Rus))

MINAYEVA, V.M.; BAROVA, N.I.; KIPRIYANOVA, N.V.; IL'INA, M.I.

Virological characteristics of poliomyelitis in the western Urals.
Vop.virus. 6 no.5:624 S-O '60. (MIRA 14:5)

1. Virusologicheskaya laboratoriya Permskogo instituta vaktsin i syvorotok i sanitarno-epidemiologicheskoy stantsii.
(URAL MOUNTAIN REGION—POLIOMYELITIS)

S/078/62/007/006/019/024
B119/B138

AUTHORS: Distanov, B. G., Kresal'naya, L. Z., Stepanova, N. S., Kipriyanova, S. S.

TITLE: Production of high-purity alkali halide salts

PERIODICAL: Zhurnal neorganicheskoy khimii, v. 7, no. 6, 1962, 1464-1465

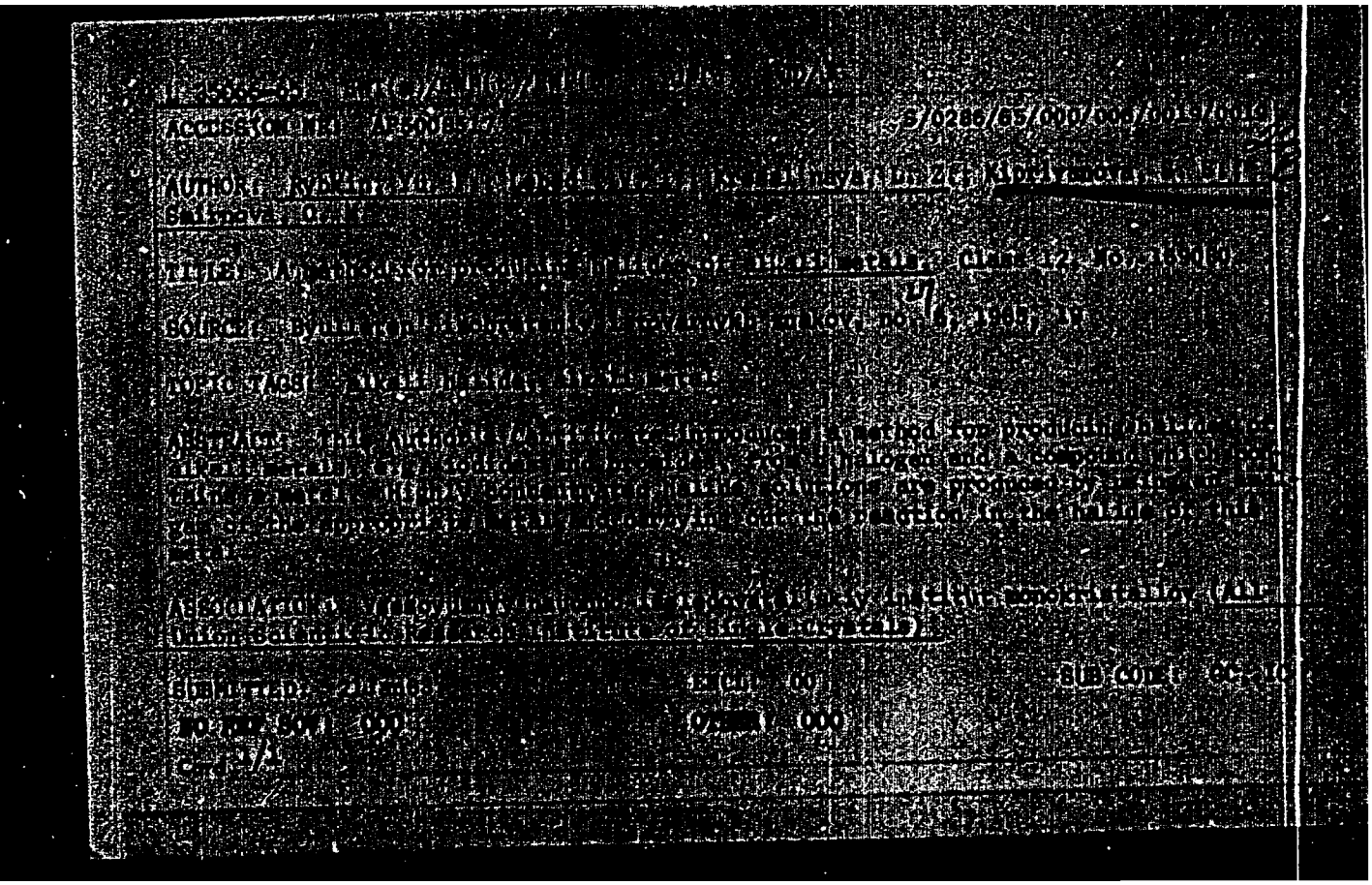
TEXT: The authors purified the salts LiCl, NaCl, KCl, KBr, NaI, RbI, CsI, KI, $NaNO_3$, and $CaCl_2$ by extracting concentrated aqueous solutions of them with solutions of dithizon and o-hydroxyquinoline in carbon tetrachloride (at pH 7 - 7.5 and pH 5 - 6, respectively), and then passing the salt solutions through a chromatographic column (filling: Al_2O_3 and channel black in layers). The salts purified of Fe, Mn, Cu, Ni, and Co contained impurities of only $1 \cdot 10^{-5}$ - $1 \cdot 10^{-6}$%, and are suitable for the production of single crystals. There are 2 tables.

SUBMITTED: August 7, 1961

Card 1/1

DISTANOV, B.G.; KRESAL'NAYA, L.Z.; STEPANOVA, N.S.; KIPRIYANOVA, S.S.

Preparation of alkali halides of high degree of purity. Zhur.-neorg.khim. 7 no.6:1464-1465 Je '62. (MIRA 15:6)
(Alkali metal halides)



KIPRIANOVA, Ye.A. [Kiprianova, O.A.]

Synthesis and consumption of B group vitamins by dysentery bacilli. Mikrobiol. zhur. 27 no.2:32-39 '65. (MIRA 18:5)

KIPROV, D.

Patho-morphological considerations on dynamics of experimental arthritis and myocarditis; problem of pathogenesis of rheumatic diseases. Suvrem. med., Sofia 6 no.3:10-21 1955.

1. Iz Institut po patofiziologiia pri Visshiia meditsinski institut V.Chervenkov - Sofiia (zav. katedrata: red. dots. St.Pisarev)
(RHEUMATIC HEART DISEASE, experimental)

KIPROV, D., kand. na med. nauki; SUBEVA, R.

Experimental aortititis with aneurysm and rupture of the aorta in dog. Suvrem.med., Sofia 6 no.3:102-106 1955.

1. Iz katedrata po patofiziologiia pri Visshiia meditsinski institut V.Chervenkov - Sofiia (direktor: red. dots. St.Pisarev)
(AORTA, diseases,
exper. inflamm. with aneurysm & rupt. in dogs)

AVRAMOV, N.; KIPROV, D.; KAZAKOV, Iv.

Certain considerations on lactogenic stimulants. Suvrem. med., Sofia 8 no.5:17-25 1957.

1. Is Katedrata po farmakologiia pri VMI--Sofiia (Zav. katedrata: Prof. P. Nikolov) i Katedrata po patofiziologiia pri VMI--Sofiia (Zav. katedrata: prof. St. Pisarev).
(LACTATION, effect of drugs on,
stimulants, in guinea pigs (Bul))

PISAREV, S.I.; EFREMOVA, A.; KIPROV, D.I.

Serological & bacteriological research on experimental myocarditis in dogs. Izv. Mikrob. inst., Sofia no.8:187-203 1957.

1. Katedra po patologichna fiziologiia (zav. prof. S. I. Pisarev) i katedra po epidemiologiia s infektsionzni bolesti (zav.: prof. P. Verbov pri visshiia meditsinski institut v Sofiia.
(MYOCARDITIS, exper.
serol. & bacteriol. in dogs (Bul))

PISAREV, St. I., Prof. d-r.; DOSKOV, Iv. D-r.; KIPROV, D., D-r.

ECG changes in dogs with experimental myocarditis with respect to pathomorphological parallels. Izv. Mikrob. inst., Sofia no.8:205-232 1957.

1. Katedra po propedevtika na butreshnite bolesti (zav.: prof. Iv. Ionkov) i katedra po patologichna fiziologiia (zav.: prof. S. I. Pisarev) pri visshiia meditsinski institut v Sofiia.

(MYOCARDITIS, exper.
eff. on ECG in dogs (Bul))
(ELECTROCARDIOGRAPHY, in various dis.
myocarditis in dogs (Bul))

NS

S-4

BULGARIA/~~Human and Animal Morphology~~ Skin

Abs Jour : Ref Zhur - Biol., No 7, 1958, No 31331

Author : Kirrov D.
Inst : Not Given
Title : Nature and Dynamics of the Patho-Morphological Changes Occasioned by the Action of Mustard Gas on the Skin of Rabbits.

Orig Pub : Voyen.-med. delo (Bulg), 1957, 12, No 2, 55-60

Abstract : No abstract

Card : 1/1

KIPROV, D.

Effect of aminopterin on the higher nervous activity in rats.
Suvrem.med.,Sofia no.8:10-19 '59.

1. Iz Katedrata po patofiziologiia pri VMI - Sofiia. Zav. katedrata: prof. Ct. Pisarev.
(AMINOPTERIN pharmacol.)
(REFLEX CONDITIONED pharmacol.)

PISAREV, S.; NEDEV[illegible], V.; KIROV, D.; DIMITROV, I.; KOLKOV, I.; KRUSHEVA, Z.

Certain data on the effect of cortisone on dog organism. Suvrem.med. Sofia no.12:15-21 '59.

1. Iz Katedrata po patofiziologiia pri V.I - Sofiia. Zav.katedrata: prof. St. Pisarev.
(CORTISONE pharmacol.)

PISAREV, S.; KEMILEVA, Z.; KIPROV, D.; DIMITROV, L., NEDEVA, V.; DOSKOV, I.

Effect of neuroses on the course and therapy of experimental arthritis and myocarditis. Suvrem.med.,Sofia 2 no.1:8-15 '60.

1. Iz Katedrata po patologichna fiziologiia pri VMI - Sofiia. Zav. Katedrata prof. St.Pisarev.
(ARTHRITIS exper.)
(MYOCARDITIS exper.)
(NEUROSES exper.)

PISAREV, S.; KIPROV, D.

Role of the stimulation of pharyngeal and articular receptors on the appearance of experimental myocarditis and arthritis. Suvrem med., Sofia no.7-8:20-26 '60.

1. Iz Katedrata po patofiziologiia pri VMI, Sofiia (Rukov. na katedrata prof. St.Pisarev)

(PHARYNX physiol)
(ARTHRITIS exper)
(MYOCARDITIS exper)
(JOINTS physiol)

PISAREV, St.; KIPROV, D.

Functional (EKG) and morphological (histopathological) experimental studies on the pathogenesis of acute rheumatic fever. Suvrem med., Sofia no.6:51-56 '60.

1. Iz Katedrata po patofiziologiia pri VMI, Sofiia (Rukov. na katedrata: prof. St.Pisarev)
(RHEUMATIC FEVER exper.)
(ELECTROCARDIOGRAPHY exper.)

PISAREV, S.; KIPROV, D.; NEDEVA, V.; DIMITROV, L.; KEMILEVA, Z.; DOSKOV, Iv.

Studies on the etiology, pathogenesis and therapy of experimental myocarditis and arthritis in the dog. Nauch. tr. vissh. med. inst. Sofia 39 no.2:23-55 '60.

1. Predstavena ot prof. St. Pisarev, zav. Katedrata po patofiziologiia.

(MYOCARDITIS exper) (ARTHRITIS RHEUMATOID exper)

PISAREV, S., k.m.n.; KEMILEVA, Z., k.m.n.; NEDEVA, V.; DIMITROV, L., k.m.n.; KIPROV, D., k.m.n.; DOSKOV, Iv.

Role of higher nervous activity in the development and recovery from experimental arthritis and myocarditis. Nauch. tr. vissh. med. inst. Sofia 39 no.2:57-82 '60.

1. Predstavena ot prof. Pisarev, zav. Katedrata po patofiziologiia.

(ARTHRITIS RHEUMATOID exper)
(MYOCARDITIS exper)
(CENTRAL NERVOUS SYSTEM physiol)

NIKOLOV, P.; ABRAMOV, N.; BOIADZHIEV, TSv.; KIPROV, D.

Some experimental data on the antiinflammatory action of Digitalis lanata. Nauch. tr. vissh. med. inst. Sofia 41 no.1: 1-16 '62.

1. Predstavena ot prof. P. Nikolov i prof. St. Pisarev.
(DIGITALIS) (INFLAMMATION) (HYDROCORTISONE)

KIPROV, D.

Prevention of myocarditis by continuous anesthesia of the pharynx. Nauch. tr. vissh. med. inst. Sofia 41 no.1:49-66 '62.

1. Predstavena ot prof. S. Pisarev.
(MYOCARDITIS)
(STREPTOCOCCAL INFECTIONS)
(ARTHRITIS) (PHARYNX)

AVRAMOV,N.; ATANASOVA,E.; KIPROV,D.; DACEV,B.; PANOV. P.

Comparative experimental studies on the antiinflammatory effect of the therapeutic agents "Maraslavin" and "Infusion of Digitalis lanata 20:100", applied locally. Nauch.tr. vissh. med. inst. Sofiia 42 no.4:29-35 '63

1. Chair of Pharmacology (Director: Prof. D.Paskov); Chair of Therapeutic Stomatology (Director: Prof. D. Svrakov) and Chair of Pathologic Physiology (Director: Prof.S.Pisarev) of the Medical Institute in Sofia.

*

STOIANOV, E.; MINCHEV, M.; KIPROV, V.; ZOGRAFSKA, V.; MITEV, L.; TENEV, G.

Anesthesia and reanimation in old age. Khirurgiia 17 no.2:226-229 '64.

DIMITROV, S., prof.; TENEV, St., Dr.; PETKOV, M., KOLEV, V.

Our experiences with geriatric surgery. Khirurgiia 17 no.2:167-174 '64.

1. Iz Katedrata po obshchinna khirurgiia pri VMI 'Vissh meditsinski institut' - Sofiya.

CHANISHVILI, V.F.; KIPSHIDZE, Iv., red. [deceased]; TOPURIA, Sh., red.izd-va; TOLUA, A., tekhn.red.

[Development of manganese mining in Georgia] Razvitie margantsevoi promyshlennosti v Gruzii. Tbilisi, Izd-vo Akad.nauk Gruzinskoi SSR, 1960. 564 p. (MIRA 14:4)

(Georgia--Manganese mines and mining)

GOMELAURI, V.I.; RATIANI, G.V.; KIPSHIDZE, M.Ye.

Experimental study of heat transfer in the chamber of an experimental IRT reactor. Trudy Inst.energ.AN Gruz.SSR 16:101-112 '62. (MIRA 16:4)

(Nuclear reactors)

KIRSHIDZE, N. A.

[illegible], [illegible] I.[illegible], N. A. -- K voprosu o [illegible] k khirurgicheskomu lecheniyu yazvy zheludka i dvenadtsatiperstnoy kishki. Trudy XIII vsesoyuz. S"yezda terapevtov. L., 1949, S. 114-20.

SO: Letopis' Zhurnal'nykh Statey, Vol. 37, 1949.

KIPSHIDZE, N. A.

25219. KIPSHIDZE N. A. Pamyati Professora A. A. Melik-Adamyana. (Terapevt). terapevt, Arkhiv, 1949, VBP. 4. C. 93-94, S Portr.

SO: Letpois' No. 33, 1949

KIPSHIDZE, N. A.

Borzhomi i ego ushchel'e [Borzhomi and its gorge]. Tbilisi, Gruzmedgiz, 1952. 157p.

SO: Monthly List of Russian Accessions. Vol. 6 No. 7 October 1953

BEZHANISHVILI, Ye.S.; KIPSHIDZE, N.N.

Blood and bone marrow picture in Botkin's disease. Klin. med., Moskva 30 no.8:51-56 Aug 1952. (CIML 23:2)

1. Of the Faculty Therapeutic Clinic (Director -- Prof. N. A. Kipshidze, Active Member of the Academy of Sciences Georgian SSR), Tbilisi Medical Institute.

KIPSHIDZE, M.N.kandidat meditsinskikh nauk, (Tbilisi)

Several questions concerning the clinical aspects and diagnosis of recurrent rheumatic endocarditis. Sov.med.19 no.7:51-52 Jl '55. (MLRA 8:10)

(RHEUMATIC HEART DISEASES
recur.,clin.aspects & diag.)

KIPSHIDZE, N.N. (Moskva)

Production of atherosclerotic cardiosclerosis [with summary in English]. Pat.fiziol. i eksp.terap. 1 no.6:34-38 N-D '57. (MIRA 11:3)

1. Iz Instituta terapii AMN SSSR (dir. - deystvitel'nyy chlen AMN SSSR A.L.Myasnikov)
(CORONARY DISEASE, experimental, arteriosclerosis with cardiosclerosis (Rus))

KIPSHIDZE, N.N.

Pathogenesis of myocardial infarct. Terap. arkh. 29 no.7:40-45 Jl '57.
(MIRA 11:4)

1. Iz Instituta terapii AMN SSSR (dir.-deystvitel'nyy chlen AMN SSSR prof. A.L. Myasnikov)
(MYOCARDIAL INFARCT, etiology and pathogenesis,
(Rus)

KIPSHIDZE, N.N.

Studying the functional state of the thyroid gland in experimental atherosclerosis [with summary in English]. Biul.eksp.biol. i med. 43 no.4:33-36 Ap '57. (MIRA 10:10)

1. Iz Instituta terapii (dir. - deystvitel'nyy chlen AMN SSSR prof. A.L.Myasnikov) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR A.L.Myasnikovym.

(ARTERIOSCLEROSIS, exper.
thyroid gland funct. in rabbits)
(THYROID GLAND, physiol.
eff. of exper. arteriosclerosis in rabbits)

KIPSHIDZE, N.N., MAYSYUK, A.P. (Moskva)

Experimental liver cirrhosis [with summary in English]. Pat. fiziol. i eksp.terap. 2 no.4:26-29 Jl-Ag '58 (MIRA 11:12)

1. Iz Instituta terapii AMN SSSR (dir. deystvitel'nyy chlen AMN SSSR prof. A.L. Myasnikov).

(LIVER CIRRHOSIS, exper.
eff. of alcohol & dietary cholesterol alone & in combination on induction in rabbits (Rus))

(CHOLESTEROL, eff.
dietary, on induction of liver cirrhosis, alone and with alcohol in rabbits (Rus))

KIPSHIDZE, N.N.

Effect of physical strain on the development of experimental atherosclerosis. Biul. eksp. biol. i med. 46 no.11:32-37 N '58. (MIRA 12:1)

1. Iz Instituta terapii (dir. - deystvitel'nyy chlen AMN SSSR prof. A.L. Myasnikov) AMN SSSR, Moskva. Predstavlena deystvitel'nym chlenom AMN SSSR A. L. Myasnikovym.

(ARTERIOSCLEROSIS, exper.
eff. of exercise (Rus))
(EXERCISE, eff.
on exper. arteriosclerosis (Rus))

KIPSHIDZE, N.N.

Effect of anoxia on the development of experimental coronary atherosclerosis. Biul. eksp. biol. i med. 47 no.4:54-60 Ap '59. (MIRA 12:7)

1. Iz Instituta terapii (dir. - deystvitel'nyy chlen AMN SSSR A.L. Myasnikov) AMN SSSR, Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR A.L. Myasnikovym.

(CORONARY DISEASES, exper.
atherosclerosis, eff. of anoxia (Rus))
(ANOXIA, eff.
on exper. coronary atherosclerosis (Rus))

KIPSHIDZE, N.N.; CHUMBURIDZE, I.T.; TVILDIANI , D.D.; DUMBADZE, Z.G.

Use of Likent's test in coronary insufficiency. Terap.arkh. no.6:97-102 '62. (MIRA 15:9)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy i klinicheskoy terapii (dir. - dotsent N.N. Kipishidze) Ministerstva zdravookhraneniya SSR.
(CORONARY HEART DISEASE) (ELECTROCARDIOGRAPHY)

KIPSHIDZE, N. N.; CHUMBURIDZE, T. I.; TKESHELASHVILI, L. K.; TVILDIANI, O. D.; TORDIYA, M. V.; DUMBADZE, Z. G.; SALUKVADZE, N. S.; DIDEBASHVILI, A. A.; GAVAKHISHVILI, N. N.

Studies on Cardiovascular System, some Biochemical, Hematologic and Haemostatic Blood Indicators in Old Age. Clinical Cardiology

Gerontalogy, 6th International Congress, Copenhagen, Denmark 11-16 August 1963

P'YASNIKOV, Aleksandr Leonidovich; CHAZOV, Yevgeniy Ivanovich; SHKHVATSABAYA, Igor' Konstantinovich; KIPSHIDZE, Nodar Nikolayevich; VINOGRADSKIY, A.B., red.; MIRONOVA, A.M., tekhn. red.

[Experimental necroses of the myocardium] Eksperimental'nye nekrozy miokarda. Moskva, Medgiz, 1963. 202 p. (MIRA 16:10)

(HEART--NECROSIS)

KIPSHIDZE, N.N.; CHUMBURIDZE, I.T.; TVILDIANI, D.D.; DUMBEDZE, Z.G.

Changes in the duration of individual phases of mechanical systole of the left ventricule and pulse wave spread rate in arteries of elastic and miscular type in hypertension. Kardiologiia 3 no.3:27-33 My-Je '63. (MIRA 16:9)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy i klinicheskoy terapii (dir. - dotsent N.N.Kipshidze) Ministerstva zdravookhraneniya Gruzinskoy SSR.

(HYPERTENSION) (PULSE)
(HEART BEAT)

KIPSHIDZE, N.N.; TVILDIANI, D.D.; DUMBADZE, Z.G.

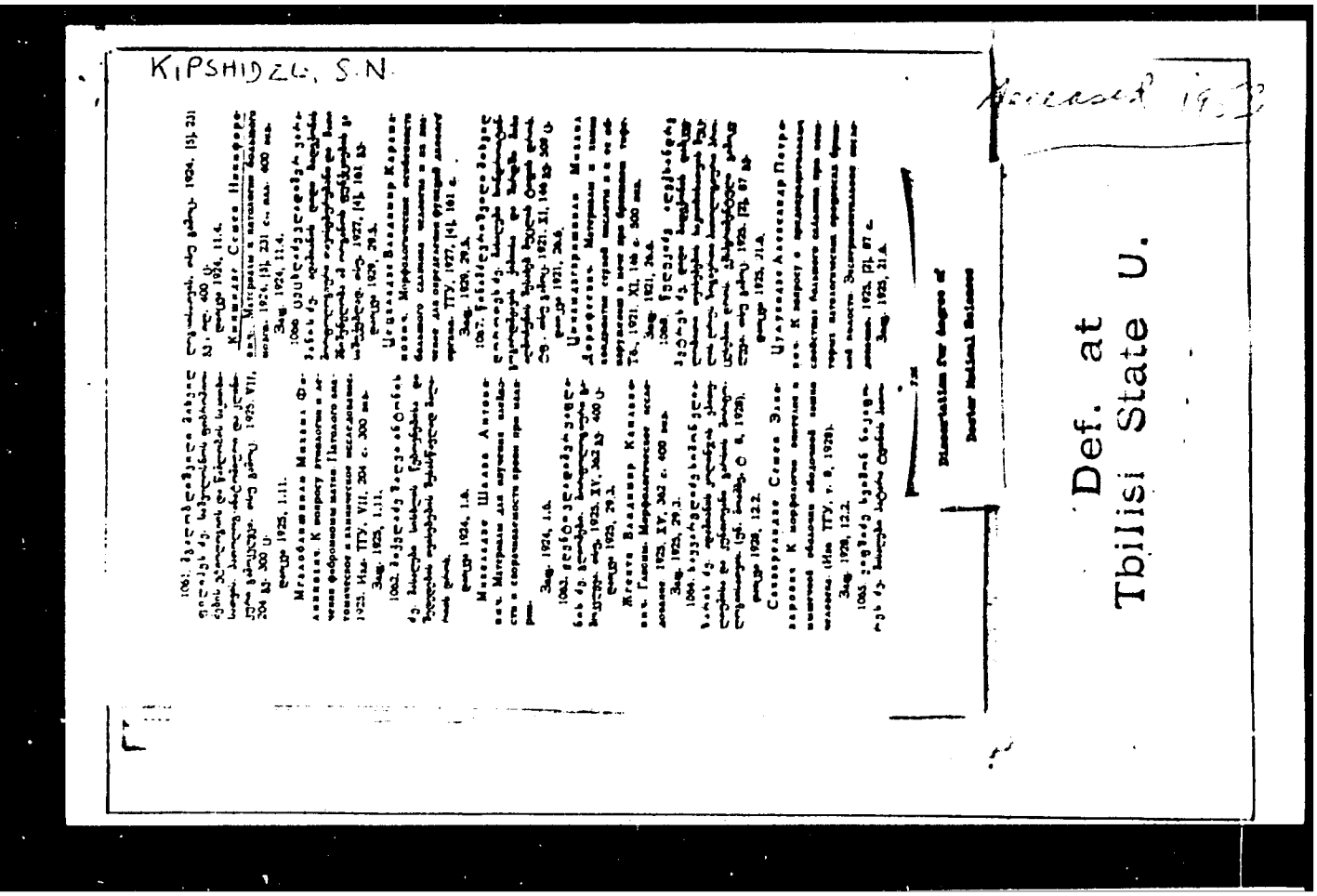
Rheoencephalographic research in hypertension. Ter. arkh. 35 no.4:35-40 Ap'63 (MIRA 17:1)

1. Nauchno-issledovatel'skogo instituta eksperimental'noy i klinicheskoy terapii (dir. N.N.Kipshidze) Ministerstva zdravookhraneniya Gruzinskoy SSR.

KIPSHIDZE, N.N.; TORDIYA, M.V.; DZHAVAKHISHVILI, N.K.

Changes in the blood system in longevity. Probl. gemat. i perel. krovi 10 no.2:32-36 F '64. (MIRA 19:1)

1. Nauchno-issledovatel'skiy institut eksperimental'noy i klinicheskoy terapii (dir. - doktor med. nauk N.N. Kipshidze) Ministerstva zdravookhraneniya Gruzinskoy SSR.



KIPSHIDZE, Z.Sh.; MOROZOV, A.A.

Attachment to an analog computer for determining self-correlated and mutually-correlated functions. Trudy Vych. tsentra AN Gruz. SSR 6:1 :42-58 '65. (MIRA 19:1)

ACC NR: AT6026764 SOURCE CODE: UR/2774/65/006/001/0042/0058

AUTHOR: Kipshidze, Z. Sh.; Morozov, A. M.

ORG: none

TITLE: An analog computer adaptor unit for determining the autocorrelation and crosscorrelation functions

SOURCE: AN GruzSSR. Vychislitel'nyy tsentr. Trudy, v. 6, no. 1, 1965. Modeliruyushchiy agregat regulirovaniya i spetsializirovannyye vychislitel'nyye ustroystva (Analog simulators and specialized computers), 42-58

TOPIC TAGS: correlation function, special purpose computer, computer component, analog computer, discrete automaton

ABSTRACT: An adaptor unit is described for a special purpose analog computer for calculating the auto- and the crosscorrelation functions of random input signals. It contains a calibrating cathode follower, three tube-capacitor memory cells, a monostable multivibrator, and a pulse shaper circuit. The correlator multiplier and integrator blocks are not part of the adaptor unit. The cathode follower is used for checking the linearity of the memory cells. The monostable multivibrator delay time may be varied from 5 to 550msec in 5msec steps. The correlator unit may accept input signals which are bandlimited to 800cps. Its minimum and maximum correlation times

Card 1/2

ACC NR: AT6026764

are 5msec and 0.55sec, respectively. It operates in the discrete mode utilizing the signal-sampling technique. The error analysis for both the auto- and the crosscorrelation mode of operation is given. The errors depend on the number of samples, duration between samples, and the total integration time. Orig. art. has: 41 formulas, 4 tables, and 4 figures.

SUB CODE: 09/ SUBM DATE: none/ ORIG REF: 006

Card 2/2

SHVARTSMAN, S.M., kand.med.nauk; KIPSKAYA, M.I.; IVANOVA, R.A.

Results of the prevention of epidermophytosis of the feet in swimming pools. Vest.derm.i ven. 35 no.1:66-68 Ja '61. (MIRA 14:3)

1. Iz kozhno-venerologicheskogo dispansera No.13 Frunzenskogo rayona Leningrada (glavnyy vrach Z.S.Lisitsyna, konsul'tant - doktor med.nauk O.K. Shaposhnikov).

(SWIMMING POOLS--HYGIENIC ASPECTS) (RINGWORM)
(FOOT--DISEASES)

KIPTENKO, A. K.

KIPTENKO, A. K. "Winter mining of clay", Mestnyye stroit. materialy, 1946, Issue 7. p. 1-10.

SO: U-3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 7 1949).

KIPTENKO, A. K.

Proizvodstvo kirpicha plasticheskim sposobom [Plastic method of brick-making]. Moskva, Promstroiizdat, 1953. 180 p.

SO: Monthly List of Russian Accessions, Vol. 6 No. 9 December 1953

KIPTENKO, A., Kinzhener.

Manufacture of clay tiles in Czechoslovakia and German Democratic Republic. Stroi. mat., izdel. i konstr. 2 no.7: 31-35 Jl '56. (MLRA 9:10)

(Czechoslovakia--Tiles)
(Germany, East--Tiles)

KIPTENKO, A. K.

72-1-12/13

AUTHOR: Kiptenko, A. K.

TITLE: Experience Gathered in Foreign Countries (Zarubezhnyy opyt).
Drying by the Method of Atomization (Sushka metodom raspylivaniya).

PERIODICAL: Steklo i Keramika, 1958, Nr 1, pp. 31-32 (USSR)

ABSTRACT: Because of the low degree of development of filter presses hitherto used for the dehydration of dross, endeavors have been made recently to find methods which make it possible to do without the use of filter presses, and to unite all working processes of drying and crushing within a single continuous process. Among several new methods the drying of dross by means of atomization in a warm current of air attracts considerable interest. With this method of drying, which is already being employed in a number of branches of industry, atomization of the mass is carried out in two ways; either under the effect of centrifugal force, or by means of a nozzle under pressure. In the first case the suspension is poured in a thin layer on to a revolving disk of from 50 to 750 mm diameter and 300 to 20.000 revolutions per minute, the mass being atomized on a horizontal surface.

Card 1/3

Experience Gathered in Foreign Countries
Drying by the Method of Atomization

In the second case the suspension is atomized by means of a nozzle with an opening of 0.25 - 4 mm under pressure of from 7 to 700 atm. excess pressure. By this method the material is dried within 5-60 seconds. "NII stroykeramika" carried out experiments in this field which confirm the usefulness of such a method. Before installing an experimental plant, experience gathered in other countries ought, however, to be taken into account. In the Polish press D. Sapinski describes a French drying device of this type, which dehydrates suspensions with 42% water content down to 7% (Ref.1). This drying device is illustrated and described. The daily output of this device is 20 t of powder with an average granulation of 0.2 mm and moisture content of 8-9%. The device works with a nozzle through which the suspension is forced to pass by means of a pump pressure of 80 atm. excess pressure. The maximum utilization of heat is 60.7%, but it might attain 70%, which surpasses all other drying methods. As reported by A. A. Kopeykin of the NIIstroykeramika, such a device was established in

Experience Gathered in Foreign Countries 72-1-12/13
Drying by the Method of Atomization

Czechoslovakia in 1956 in the lining tile works "Gornaya Brzhiza". From two feed pipes the dross flows on to a disk of 320 m diameter, which revolves at a speed of 6800 revolutions per minute. As heat carriers gases from the burning furnaces with a temperature of 120° are used, which are heated in a special channel by means of gas burners up to a temperature of 200°. The costs of amortization of the plant, as described in Polish newspapers, are very low, and operation can be handled by 1 man. The moisture in the material, obtained from this plant, is evenly distributed, and the material itself has a homogeneous structure, which entails an increase of efficiency in dry pressing as well as a decrese of waste. There is 1 figure.

AVAILABLE: Library of Congress

Card 3/3