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L 6066-65
ACCESSION NR: AP4046457

placed in a quartz tube filled with alumina for thermal insulation; and heated in a vertical electric furnace. Using this arrangement, the solidus and liquidus temperatures were obtained for the binary systems PbS-PbSe, PbS-PbTe, CdTe-ZnTe, CdTe-HgTe, and phase diagrams (fig. 2) were constructed. Orig. art has: 4 tables and 3 figures.

ASSOCIATION: Kazanskiy gosudarstvenny*y universitet (Kazansk State University) Penzenskiy pedagogicheskiy institut (Penzensk Pedagogical Institute)

SUBMITTED: 01Feb62 ENCL: 02

SUB CODE: SS NO REF SOV: 001 OTHER: 000

Card 2/4

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

L 16006-65

ACCESSION NR: AP4046457

ENCLOSURE: 01

0

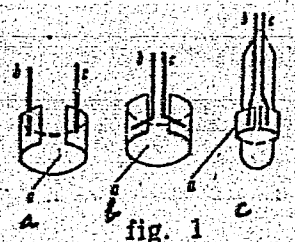

fig. 1

Arrangement of the individual thermocouples

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L 16 66-65
ACCESSION NR: AP4046457

ENCLOSURE: 02

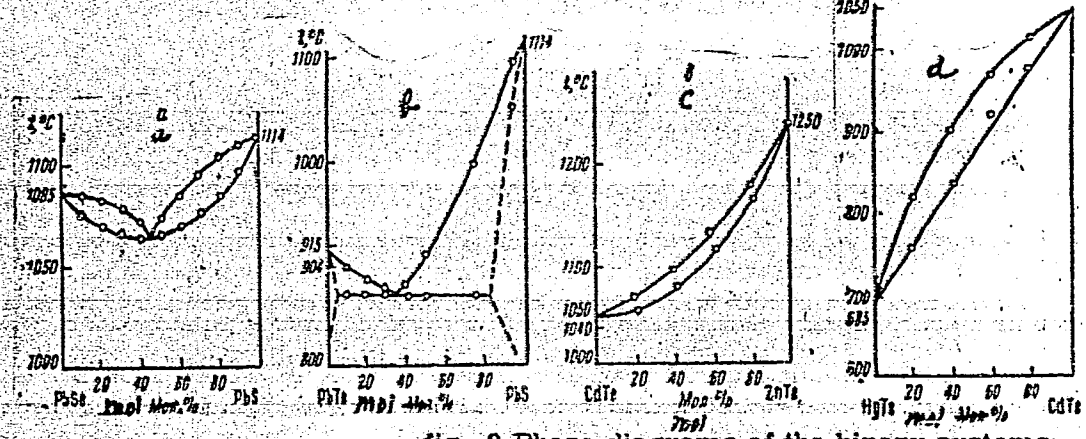

fig. 2 Phase diagrams of the binary systems:
a--PbSe-PbS; b--PbTe-PbS; c--CdTe-ZnTe; d--HgTe-CdTe

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

L 10780-67 EWT(1) IJP(c) AT

ACC NR: AP7003501 SOURCE CODE: UR/0076/66/040/006/1262/1264

AUTHOR: Gromakov, S. D.; Latypov, Z. H.; Kirilyuk, P. S.

ORG: Kazan' State University im. V. I. Ul'yanov-Lenin (Kazanskiy gosudarstvennyy universitet); Penza Pedagogic Institute im. V. G. Belinskiy (Penzenskiy pedagogicheskiy institut)

17

"Treatment and Systematization on the Basis of D. I. Mendeleyev's Periodic System of Elements of Properties of Semiconductor Compounds of the Type A (III)-B(V)"

R/

Moscow, Zhurnal Fizicheskoy Khimii, Vol 40, No 6, Jun 66, pp 1262-1264

ABSTRACT: A three dimensional plot of values of the width of the forbidden zone was made for semiconductor compounds A(III)-B(V) by using a network arrangement of the compounds according to positions of elements A and B in the periodic system. Experimental values of the width of the forbidden zone a smooth curved surface. The width of the forbidden zone of several semiconductor compounds on which no experimental data were available was determined by inter- and extrapolation (AlBi, 0.7 ev; GaBi, 0.25 ev; TlAs ~0.15 ev). The method described, which is convenient for the determination of unknown characteristics and for the checking of experimental data, can be applied to semiconductor compounds of other types and also presumably to other properties of semiconductors. Orig. art. has: 1 figure and 1 table. [JPRS: 38,967]

TOPIC TAGS: semiconducting material, forbidden zone width

SUB CODE: 20 / SUBM DATE: 11Mar65 / ORIG REF: 004

Card 1/1

UDC: 541.20 + 621.315.592

0926 0034

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

KUPRIYANOV, S.Ye.; LATYPOV, Z.Z.

Ionization of positive ions by electrons. Zhur. eksp. i teor. fiz. 45 no.3:815-816 S '63. (MIRA 16:10)

1. Fiziko-khimicheskiy institut imeni L.Ya. Karpova.
(Ionization)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

ACCESSION NR: AP4025915

S/0056/64/046/003/0833/0839

AUTHORS: Laty*pov, Z. Z.; Kupriyanov, S. Ye.; Tunitskiy, N. N.

TITLE: Ionization collisions of electrons with ions and atoms

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 46, no. 3, 1964, 833-839

TOPIC TAGS: ionization, ionization collision, electron ion collision, electron atom collision, mercury, xenon, krypton, argon, neon, singly charged ion, doubly charged ion, electron impact ionization, secondary ionization cross section, mass spectrometer background ionization, metastable excited ion

ABSTRACT: This is a continuation of earlier investigations (ZhETF v. 45, 815, 1963) of the ionization of singly and doubly charged ions by electron impact. The method of intersecting ion and electron beam was used to measure the cross sections for single ionization of

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

ACCESSION NR: AP4025915

the ions Hg^+, Xe^+, Kr^+, Ar^+, Ne^+, Hg^{2+}, Xe^{2+}, Kr^{2+}, and Ar^{2+}. The parent ions were obtained by ionizing the neutral atoms with a primary electron beam. The variation of the secondary ionization cross sections with the primary beam electron energy is determined. The ionization of neutral atoms by electron impact is found to be accompanied by formation of metastable excited ions with single, double, or triple charge. It is also shown that when the accelerating voltage is 2800 V, the background present in a mass spectrometer is due mainly to various ionization processes in which the metastable excited ions take part. Orig. art. has: 4 figures and 2 tables.

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physicochemical Institute)

SUBMITTED: 14Sep63 DATE ACQ: 16Apr64 ENCL: 02

SUB CODE: PH NO REF SOV: 002 OTHER: 015

Card 2/4

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYPOV, Z.Z.; KUPRIYANOV, S.Ye.

Mass spectra and excitation energies of ions. Zhur.fiz.khim. 39 no.7:1572-1576 Jl '65. (MIRA 18:8)

1. Moskovskiy fiziko-khimicheskiy institut imeni L.Ya.Karpova.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

KUPRIYANOV, S.Ye.; LATYPOV, Z.Z.; PEROV, A.A.

Long-lived highly excited states of positive ions. Zhur. eksp. i teor. fiz. 47 no.1:21-23 Jl '64. (MIRA 17:9)

1. Fiziko-khimicheskiy institut imeni Karpova.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

L 10834-66 EWT(1)/EWA(m)-2 IJP(c) AT/GS

ACC NR: AT5023430 SOURCE CODE: UR/0000/65/000/000/0026/0027

AUTHOR: Latypov, Z. Z.; Kupriyanov, S. Ye.

ORG: none

TITLE: Mass-spectra of excited molecular ions

SOURCE: Simpozium po elementarnym protsessam khimii vysokikh energiy. Moscow, 1963. Elementarnyye protsessyy khimii vysokikh energiy (Elementary processes of the chemistry of high energies); trudy simpoziuma. Moscow, 1965, 26-27

TOPIC TAGS: mass spectrum, particle collision, ion, excited electron state, particle collision

ABSTRACT: Mass spectra (reported in the literature) obtained during collisions of molecules with electrons photons and slow ions and those obtained during collisions of ions with atoms and molecules were cross-compared with the aim of finding their common features. A coincidence of mass spectra was found in various collision processes having a similar average ion excitation energy and a similar ion energy distribution function. Mass spectra of the ion-electron collision coincide with mass spectra of the ion-photon collisions when $E_e - I < I$, where E_e is electron energy, and I is ionization energy of a molecule. When $E_e - I > I$, mass spectra of the fragment ions resulting from ionization of molecules due to collision with electrons coincide with

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L 10834-66

ACC NR: AT5023430

3

mass spectra of dissociation of fast ions due to collision with neutral particles. Both the established dependence of mass spectra upon excitation energy and the found correlation between the mass spectra of molecule-electron, ion-atom, and ion-molecule collisions, make it possible to predict the mass spectra of molecular ions resulting from molecular ion-electron collisions. Thus the mass spectra taken during the collision of NH_3^+ and CH_4^+ ions with electrons have common features. Orig. art. has: 2 formulas.

SUB CODE: 07, 20 SUBM DATE: 23Feb65/ ORIG REF: 000/ OTH REF: 000

jw

Card 2/2

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

L 18573-66 EWT(1)/EWA(h) GW

ACC NR: AP6001185 SOURCE CODE: UR/0031/65/000/009/0051/0060

AUTHOR: Latypov, Zh. A.

ORG: none

27
B

TITLE: A means for determining mean velocity according to time values at four points of opposing hodographs of refracted waves

SOURCE: AN KazSSR. Vestnik, no. 9, 1965, 51-60

TOPIC TAGS: seismology, hodograph, wave refraction

ABSTRACT: The author describes a means for determining the mean velocities of propagation of elastic seismic vibrations. The method is based on the use of the value of time recordings at four points of contrasting hodographs of refracted waves. Finding the depth of the refracting boundary requires the determination of the mean velocity along the boundary. The equations of hodograph networks of refracted waves are of the form

$$t = \frac{\sin(i+\varphi)}{\bar{V}} x + t_0,$$

$$t' = \frac{\sin(i-\varphi)}{\bar{V}} + t'_0.$$

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

L 18573-66

ACC NR: AP6001185

These equations may be oriented to a common coordinate origin at the point of rupture above the upheaved part of the refracting boundary. By this concept

$$t = \frac{\sin(i+\varphi)}{V} x + t_0$$

is written and

$$t' = -\frac{\sin(i-\varphi)}{V} x + T,$$

which for the case $x = L$ (see Fig. 1) may be written as

$$\frac{\sin(i+\varphi)}{V} L = \Delta t,$$

$$\frac{\sin(i-\varphi)}{V} L = \Delta t'.$$

A means of solving for the parameters n and ϕ at points within the interval L is derived, and this result is used in finding the boundary velocity

$$V_r = \frac{\sqrt{\frac{2l}{t_{x_2}-t_{x_1}} \cdot \frac{2l}{t_{x_2}+t'_{x_1}-t_{x_1}-t'_{x_2}}} + \frac{2l}{t_{x_2}+t'_{x_1}-t_{x_1}-t'_{x_2}}}{2}.$$

A formula for n_{max} is also derived and the expected errors of the described

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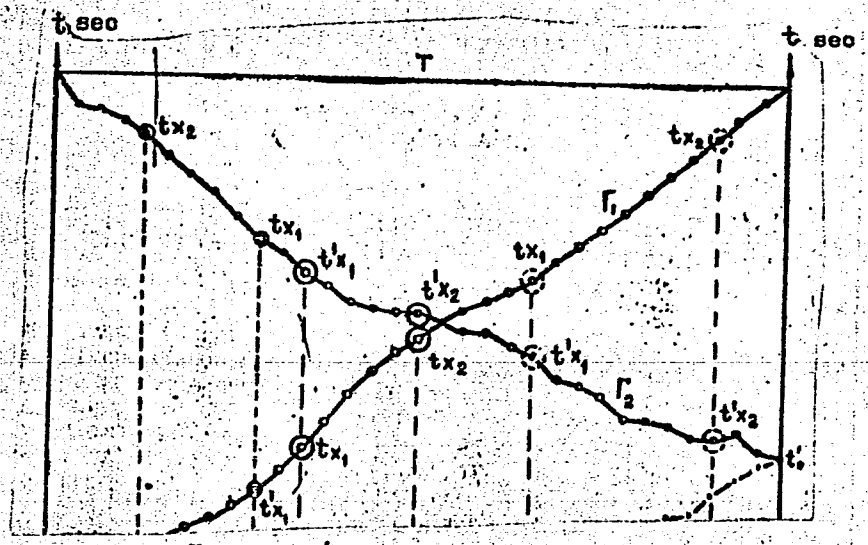
computational system are discussed.



Card 3/5

To Card 4/5.

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ACC NR: AP6001185

From Card 3/5

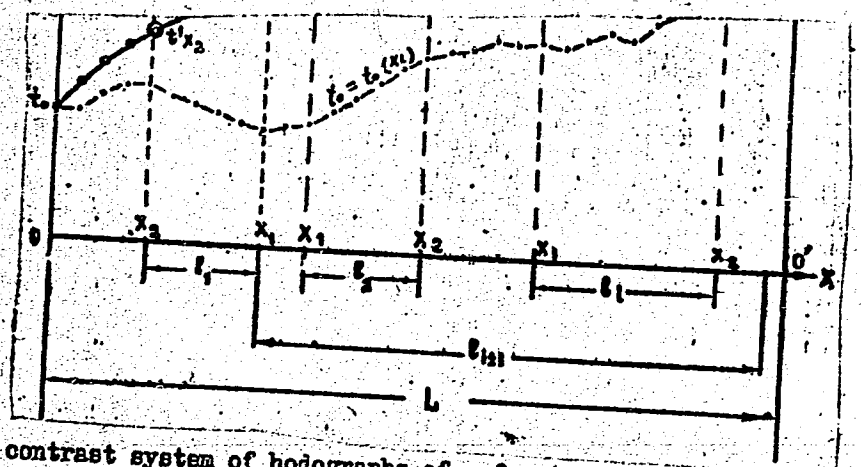

Fig. 1. The contrast system of hodographs of refracted waves. The principle of determining mean and boundary velocities. 0,0' - points of rupture; L - the interval of the interpreting hodographs; $\ell_1, \ell_2, \ldots, \ell_{i \pm 1}$ - segments within the interval L, where determination is being made of mean and boundary velocities; t_{x_1}, t_{x_2}

Card 4/5

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- time values at the points x_1 and x_2 of the godograph branches following the given segment ℓ_i on the side of the refracting boundary; t'_{x_1}, t'_{x_2} - time values for the hodograph branches on the given segment ℓ_i.

Orig. art. has: 42 equations and 1 figure.

SUB CODE: 08/ SUBM DATE: none/ ORIG REF: 011/ OTH REF: 001

Card 5/5 Sm

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

SARIKYAN, S.Ya., CHECHEL'NITSKAYA, S.M., BAYGULOVA, S.A., LATYPOVA, G.Kh.
MILITSINA, A.N.

The problem of correct organization of malaria control in the Tatar A.S.S.R. [with summary in English]. Med.paraz. i paraz.bol. 27 no.3:304-309 My-Je '58 (MIRA 11:7)

1. Iz sektora bor'by z parazitarnymi boleznyami pri stroitel'stve gidrotekhnicheskikh i meliorativnykh sooruzheniy Instituta malyarii, meditsinskoy parazitologii i gel'mintologii Ministerstva zdravookhraneniya SSSR (dir. instituta - prof. P.G. Sergiyev, zav. sektorom - prof. V.N. Bekhlemishev) i Kazanskoy gorodskoy sanitarno-epidemiologicheskoy stantsii (glavnyy vrach TS.D. Matt).

(MALARIA, prevention and control in Russia (Rus))

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYPOVA, M.

6228. Latypova, M. Khlopkovodstvo na polivnykh zemlyakh uzbekistana. Ukazatel' literatury. /Annotir./ Tashkent, 1954. 36s. 20 sm. (Glav. upr. kul't.-prosvet. uchrezhdeniy M-va kul'tury uzbek. SSR. Uzbek. Gos. Publichnaya B-ka im. alishera navoi). 160 ekz. B.ts.- Sost. ukazan na 4 - ys. -Na uzbek. yaz. /54-57296/ 016:633.51 (584.4)

SO: Knizhamya Lstopis' 1, 1955

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYPOVA, M.S.

On the problem of electrocardiographic diagnosis of recurrent myocardial infarction. Sov.med. 23 no.9:122-124 S '59. (MIRA 13:1)

1. Iz 6-y Moskovskoy gorodskoy klinicheskoy bol'nitsy (glavnyy vrach N.S. Shevyakov).
(ELECTROCARDIOGRAPHY)
(MYOCARDIAL INFRACT diag.)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYPOVA, M.S. (Moskva)

Electrocardiogram changes in tumoral metastases to the heart.
Klin.med. 37 no.7:133-134 Jl '59. (MIRA 12:10)
(HEART neoplasms)
(ELECTROCARDIOGRAPHY)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

L 28056-66 EWT(m)/EWP(e) WH

ACC NR: AP5027005 SOURCE CODE: UR/0120/65/000/005/0040/0044

AUTHOR: Grushin, V. F.; Latypova, R. A.; Leykin, Ye. M.

ORG: Institute of Physics of AN SSSR, Moscow (Fizicheskiy Institut)

TITLE: Calculation of characteristics of Cerenkov gamma spectrometers

SOURCE: Pribory i tekhnika eksperimenta, no. 5, 1965, 40-44

TOPIC TAGS: gamma spectroscopy, Cerenkov radiation, Cerenkov counter

ABSTRACT: The calculations were made for the Cerenkov gamma-spectrometer equipped with a radiator made of lead glass of various thicknesses and transparencies and emitting gamma quanta varying from 50 to 1000 Mev. The calculations were based on the gamma shower function $F(G) = \sum_{N=0}^{\infty} \varphi_N \chi^{(N)}(G)$, where φ_N denotes the distribution of the shower of N particles and $\chi^{N}(G)$ defines the density of light yield distribution characterizing the probability that the sum N of values g amounts to the number G. The values of φ_N and $\chi^{(N)}(G)$ were taken from the previously published papers. The calculations were made for two types of lead glass: Corning-Glass 8392 (or SF-5) and TF-1. Some data on these glasses were given in a table. The Monte Carlo method was used for the calculation of F(G)-distribution by means of an electronic computer. The results of calculation of the sum G were

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ACC NR: AP5027005

shown in graphs for the lead glass of two types and of two different thicknesses. On the basis of these results, the energy resolution was calculated. The dependence of this resolution upon the gamma ray energy were graphically illustrated. The curves disclosed the effect of the lead glass thickness upon the resolution rate. On the examination of curves, it was concluded that the F(G) distribution curves acquired an asymmetric shape at lesser thicknesses and greater energies. They were, however, more symmetrically shaped for a less transparent radiator. The results of calculations were compared with the experimental data obtained on three Cerenkov spectrometers in use at the Institute of Physics of AN SSSR. The comparison was favorable. The authors expressed their appreciation to A. S. Belousov for the information given on the parameters and calibration data of the Cerenkov spectrometer. Orig. art. has: 9 graphs, 2 tables and 3 formulas.

SUB CODE: 18 / SUBM DATE: 24June64 / ORIG REF: 006 / OTH REF: 002

Card 2/2

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

L 23732-66 EWT(m)/EWA(h)

ACC NR: AP6014813 SOURCE CODE: UR/0367/65/001/002/0329/0337

AUTHOR: Denisov, F. P.; Latypova, R. A.—Latipova, R. A.; Milovanov, V. P.; Cherenkov, P. A. 30 B

ORG: Physics Institute im. P. N. Lebedev, AN SSSR (Fizicheskiy institut AN SSSR)

TITLE: Cascade mechanism of high-energy nuclear reactions. 19 1. Total inelastic cross sections, angular and energy distribution of fast particles

SOURCE: Yadernaya fizika, v. 1, no. 2, 1965, 329-337

TOPIC TAGS: inelastic resonance, nuclear reaction, angular distribution, proton, fast particle

ABSTRACT: The interactions of high-energy protons with nuclei have been calculated on the basis of the cascade theory of nuclear reactions. The nuclear reactions induced by protons with energies of 150, 340, and 660 MEV on Si^{28}, $(AgBr)_{41}^{95}$, and Au^{197} were considered. The nuclear diffusion surface and refraction and reflection of nucleons in the process of the escaping of the nucleus were taken into account. Comparison of the calculations with the experiment allows one to conclude that the initial principal suppositions of the cascade theory are valid. Orig. art. has: 11 figures and 1 table. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 20 / SUBM DATE: 28Jul64 / ORIG REF: 007 / OTH REF: 015

Card 1/1 2

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

L 39836-66 EWT(m)/T GD-2

ACC NR: AP6018851

SOURCE CODE: UR/0367/65/002/006/1042/1048

AUTHOR: Denisov, F. P.; Milovanov, V. P.; Latypova, R. A.; Cherenkov, P. A.

ORG: Physics Institute im. P. N. Lebedev, AN SSSR (Fizicheskiy institut AN SSSR)

TITLE: Distribution of knocked-out nucleons with respect to the nuclear volume and excitation energies and momentum distributions of nuclei in the cascade process [This paper was given at the 14th Annual Conference on Nuclear Spectroscopy, Tbilisi, February 1964]

SOURCE: Yadernaya fizika, v. 2, no. 6, 1965, 1042-1048

TOPIC TAGS: nucleon, excitation energy

ABSTRACT: The discussion of the results of calculations described in a previous paper (Journal of Nuclear Physics, Vol 1, p. 329, 1965) is continued. This discussion concerns the distribution of the knocked-out nucleons in the volume of the nucleus, the excitation energies of the residual nuclei, and the momentum distribution of the recoil nuclei. Orig. art. has: 7 figures and 3 tables. [Based on authors' Eng. abst.] [JPRS]

SUB CODE: 20 / SUBM DATE: 06Apr65 / ORIG REF: 006 / OTH REF: 002

Card 1/1

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYPOVA, R.Kh.; MISHIN, V.M.; TROSHICHEV, O.A.; FEDCHENKO, Z.A.

Aprcpos of M.S. Bobrov's article "Overall planetary picture of geomagnetic disturbances of corpuscular origin." Geomag. i aer. 2 no.3:553-560 My-Je '62. (MIRA 15:11)

1. Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln Sibirskogo otdeleniya AN SSSR.
(Cosmic rays) (Magnetic storms)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

L 33301-66 EWT(1)/FCC GW

ACC NR: AP6011707 SOURCE CODE: UR/0203/66/006/002/0365/0369

AUTHOR: Vershinina, T. I.; Gorovoy, M. D.; Latypova, R. Kh.; Mishin, V. M. 34 B

ORG: Institute of Terrestrial Magnetism, the Ionosphere, and Radio-Wave Propagation, SO AN SSSR (Institut zemnogo magnetizma ionosferyi i rasprostranenrya radiovoln SO AN SSSR)

TITLE: Two quasicircular zones of maximal magnetic activity 12

SOURCE: Geomagnetizm i aeronomiya, v. 6, no. 2, 1966, 365-369

TOPIC TAGS: magnetic activity, ionosphere

ABSTRACT: In this investigation the authors attempted to determine the position of the zone of maximum magnetic activity during July and December, 1958, using for this purpose the magnetograms of 21 observatories, the coordinates of which are given in a table. The curves of the latitudinal distribution of magnetic activity along 12 successive meridians of local geomagnetic time and the "instantaneous" charts of the zones of maximum magnetic activity and the zones of the maxima of the latitudinal variation of activity are plotted. The last two represent quasicircular zones centered on geomagnetic latitudes 66 and 78°. The conclusion concerning the existence of two quasicircular zones of maximum magnetic activity at latitude 66° and 78° confirms previously made hypotheses that the latitudinal belts near 66° and 78° coincide with zones of increased conductivity of the ionosphere disturbed by corpuscular intrusions. One of these hypotheses was developed from an analysis of the latitudinal distribution of the parameters of the LT-component of the diurnal variation of the magnetic

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

L 33301-66

ACC NR: AP6011707

activity and the other hypothesis from an analysis of the latitudinal distribution of the parameters of the UT-component of the diurnal variation of the magnetic activity. Consequently, the conclusion of the existence of two quasicircular zones of high conductivity of the disturbed ionosphere can be considered as confirmed in three different and independent investigations. The results of this study do not contradict the conclusion concerning the existence of an "oval" zone of maximum magnetic activity if the latter term indicates the maxima of S_a. The figures show that in each hemisphere two regions of maximum activity encompassing sections of the quasicircular zones are observed during the summer. These two regions are divided by a space of relatively low activity and do not form a closed oval. Orig. art. has: 1 table, 3 figures, and 2 formulas.

SUB CODE: 08 / SUBM DATE: 03Sep64 / ORIG REF: 010

Card 2/2

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYPOVA, R.M.

Comparative activity of catalase and invertase in peat and certain mineral soils. Dokl.AN BSSR 4 no.8:357-359 Ag '60. (MIRA 13:8)

1. Belorusskaya sel'skokhozyaystvennaya akademiya, g.Gorki. Predstavelno akad. AN BSSR V.F.Kuprevichem.
(Catalase) (Invertase) (Peat)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYPOVA, R.M.

Protease activity of turf-Podzolic soils and the effect of the organic matter of peat on it. Dokl. AN BSSR 5 no.12:582-584 D '61. (MIRA 15:1)

1. Belorusskaya sel'skokhozyaystvennaya akademiya, g. Gorki. Predstavleno akademikom AN BSSR V.F.Kuprevichem.

(Protease) (Peat)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYPOVA, R.M.

Change in the activity of some enzymes of soil as related to its moisture. Bot. issl. Bel. otd. VBO no.5:199-204 '63. (MIRA 17:5)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

L 23710-66 EWT(m)/EPF(n)-2/EWP(j)/T/EWA(h)/ETC(m)-6/EWA(1) IJP(c)
ACC NR: AP6008693 WW/GG/RM SOURCE CODE: UR/0291/65/000/005/0059/0062

AUTHOR: Tashmukhamedov, S. A.; Tillayev, R. S.; Latypov, T.; Usmanov, Kh. U. (Corresponding member AN UzSSR)

ORG: Tashkent State University im. V. I. Lenina (Tashkentskiy gosuniversitet)

TITLE: Grafting of methyl methacrylate to butyl rubber under the influence of gamma radiation

SOURCE: Uzbekskiy khimicheskiy zhurnal, no. 5, 1965, 59-62

TOPIC TAGS: gamma irradiation, irradiation effect, graft copolymer, butyl rubber, polymethyl methacrylate, methylmethacrylate, polymer, monomer

ABSTRACT: Graft copolymers of butyl rubber (copolymer of isobutylene with 2.0-3.0% isoprene) with methyl methacrylate were synthesized radiochemically by simultaneously irradiating a mixture of the polymer and monomer in the absence of atmospheric oxygen with Co^{60} gamma rays. After extraction of the polymethyl methacrylate homopolymer (PMMA), the degree of grafting and yield of the graft copolymer decreased with increasing irradiation dose for a polymer-to-monomer ratio of 1:1 and 1:0.6, and also in the solvent dichloroethane. The copolymers formed had a variable composition; their formation was confirmed by turbidimetric titration. A study of the kinetics of swelling of the copolymers in various liquids showed that the nature of the side chain in the

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ACC NR: AP6008693

graft copolymer causes a decrease in the affinity of the system obtained for some liquids and an increase for others. A study of the viscosity of solutions of the graft copolymers in benzene at 30°C revealed that as the content of graft PMMA in the copolymer diminishes (with rising irradiation dose), the intrinsic viscosity of the solutions decreases. This is attributed not only to a drop in the proportion of graft PMMA in the copolymer but also to the degradation of macromolecules of the initial polymer under the influence of gamma radiation. Orig. art. has: 2 figures, 1 table.

SUB CODE: 07/ SUBM DATE: 05Feb65/ ORIG REF: 002/ OTH REF: 002

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APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYPOVA, V.I.

Chemical factors of nervous excitation in complex physiotherapy of ulcerous disease. V. I. Latypova. *Sbornik Trudov Tomsk. Oblast. Nauch.-Issledovatel. Inst. Fiz. Metodov Lechebnoy i Kurortol.* 8, 69-73(1953); *Referat. Zhur., Khim.* 1954, No. 27317.—A study of the blood of sufferers from ulcerous disease showed that in most cases there is a lowering of the activity of choline sterase and an increase in the quantity of acetylcholine-like substances. In half of the cases sympathin-like substances were also found in the blood. Following a complex physiotherapy, particularly after treatment with Ca iontophoresis, there was observed a normal activity of choline sterase and in many cases the disappearance of acetylcholine-like substances and the appearance of sympathin-like substances. It is suggested that in ulcerous diseases there is not only a disturbance of the parasympathetic but also of the sympathetic branches of the vegetative nervous systems resulting from the disintegration of the cortex and subcortex functions. M. H.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

USSR/Human and Animal Physiology (Normal and Pathological). T-4
Blood Pressure. Hypertension.

Abs Jour : Ref Zhur - Biol., No 16, 1958, 74799

Author : Latypova, V.I.

Inst : Tomsk Scientific Research of Health Resorts and Physiotherapy.

Title : Influence of Some Physical Factors on the Vascular Reflexes During High Blood Pressure.

Orig Pub : Sb. tr. Tomskiy n.-i. in-t kurortol. i fizioterapii, Tomskiy med. in-t, 1956 (1957), 9, 107-119.

Abstract : In 55 patients with high blood pressure (HBP) a wave formation of the vascular curve, long nonextinction of the vascular conditioned reflexes, and distorted reaction of the vessels to heat were noted. 6 types of pathological reactions were observed on the distant stimulators.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

Latysh, A.I

LATYSH, A.I.; LYSOV, A.P.

Lined guide supports for mine hoists. Ugol' 32 no.10:47 O '57. (MIRA 10:11)

1. Toretskiy mashinostroitel'nyy zavod.
(Mine hoisting)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, A.I., inzh.

New design of eyes used in mine hoisting equipment. Bezop. truda v prom. 2 no.7:36 Jl '58. (MIRA 11:9)
(Mine hoisting)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

AUTHOR: Latysh, A.I., Engineer 127-58-4-23/31

TITLE: New Construction of Guide Bearings for Mine Lifting Buckets (Novyye konstruktsii napravlyayushchikh opor dlya shakhtnykh pod"emnykh sosudov)

PERIODICAL: Gornyy Zhurnal, 1958, Nr 4, pp 67-69 (USSR)

ABSTRACT: Existing makes of guide bearings in the form of sockets, used on skips and cars, quickly wear out sliding on metallic conductors of elevators. Their repair or replacement also necessitates replacement of the main body of the bearing. The author describes new types of these bearings, which are more resistant to wear and do not require replacement of the main bearing. At the new types, only the steel strips fixed on the main body of the bearing have to be replaced. Another type of these bearings uses rubber shock absorbers which reduce wear. There are 4 figures.

ASSOCIATION: Toretskiy zavod (The Toretskiy Plant)

Card 1/1 1. Mines - Equipment 2. Sliding contacts - Design

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, A.I.

Automatic skip filling mechanism. Ugol' Ukr. 4 no.1:31 Ja '60. (MIRA 13:5)

(Mine hoisting--Equipment and supplies)
(Automatic control)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, A. I.

Type of eye rings for mine coupling systems. Ugol' Ukr. 4 no.9:39 S '60. (MIRA 13:10)

(Mine Loisting--Equipment and supplies)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, A.I., inzh.

Mine-cage landing with a mechanized car change. Mekh.i avtom.proizv. 14 no.5:28-29 My '60. (MIRA 14:2)

(Mine railroads)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, A.I., inzh.

"Electric hoists" by V. B. Umanskii. Reviewed by A. I. Latysh. (MIRA 14:6)
Gor. zhur. no.6:77-78 Je '61.
(Hoisting machinery) (Umanskii, V. B.)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, A.I.

Book on hoisting machinery("Mine hoisting machinery" by Z.M. Fedorova. Reviewed by A.I. Latysh) Ugol' Ukr. 5 no.2:45 F '61. (MIRA 14:3)
(Hoisting machinery)(Fedorova, Z.M.)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, A.I., inzh.

Chain pushers. Mekh.i avtom.proizv. 16 no.7:36-37 Jl '62. (MIRA 15:8)

(Conveying machinery)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, A.I., gornyy inzh.

"Mining machinery" by V.I. Kiselev. Reviewed by A.I. Latysh.
Gor. zhur. no.12:67-68 D '62. (MIRA 15:11)
(Mining machinery)
(Kiselev, V.I.)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, A.I., inzh.

New designs of roller-type guide supports for mine hoists. Gor. zhur. no.3:49 Mr '63. (MIRA 16:4)

1. Toretskiy mashinostroitel'nyy zavod.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, A. P.

20092 LATYSH, A. P. Dolorimetricheskiy sposob opredeleniya obshchego belka v syvorotke krovi, osnovannyy na reaktsii Mul'dera. Vracheb. delo, 1949, No. 6, stb. 491-94.

SO: LETOPIS ZHURNAL STATEY, Vol. 27, Moskva, 1949.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

USSR / Human and Animal Physiology (Normal and Pathological). Blood. Blood Pressure. Hypertonia T

Abs Jour: Ref Zhur-Biologiya, No 21, 1958, 97531

Author : Latysh, A. P.

Inst : Ukrainian Scientific Research Institute of Clinical Medicine

Title : Change in Arterial Blood Pressure Under Influence of Various Pressor Tests in Patients Suffering from Disease of Liver and Bile Ducts

Orig Pub: Materialy po obmenu nauchn. inform. Ukr. n.-i. in-t klinich. meditsiny, 1957, vyp 1, 1957

Abstract: No abstract

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APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

NOVIKOV, I.T.; PAVLENKO, A.S.; SMIRNOV, M.S.; CHIZHOV, D.G.; LAVRENENKO, K.D.; NEKRASOV, A.M.; NOSOV, R.P.; TARASOV, N.Ya.; ZHIMERIN, D.G. UGORETS, I.I.; DMITRIYEV, I.I.; DROBYSHEV, A.I.; YERMAKOV, V.S.; SAPOZHNIKOV, F.V.; BOROVOY, A.A.; RANNIK, V.P.; DASKOVSKIY, Ya.M.; ROGOVIN, N.A.; PETROV, A.N.; MEL'NIKOV, B.V.; LATYSH, D.I.; KONIN, F.P.; DYDYKIN, P.Ye.; BONDAREV, I.I.; GUMENYUK, D.L.; POHEGAYLO, K.M.

Ol'ga Sergeevna Kalashnikova; obituary. Elek.sta. 30 no.2:95 F '59. (MIRA 12:3)

(Kalashnikova, Ol'ga Sergeevna, 1914)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

SAPOZHNIKOV, Fedor Vasil'yevich; LATYSH, D.I., inzh., red.; MIKHAYLENKO, Yu.Ya., red.; LEBEDEVA, L.V., tekhn. red.

[Construction of thermal electric plants and a survey of some design details of public buildings and appartment houses in France] Stroitel'stvo teplovykh elektrostantsii i obzor nekotorykh konstruktivnykh reshenii obshchestvennykh i zhilykh zdanii vo Frantsii. Moskva, Orgenergostroi, 1960. 67 p. (MIRA 14:11)

(France--Electric power plants)
(France--Apartment houses)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

ZAYDEL', V.A., kand. tekhn. nauk; TURCHIN, N.Ya., inzh.;
LATYSH, D.I., inzh.

"Design and construction of thermal electric power plants"
by I.P. Kuptsov, IU.R. Ioffe. Reviewed by V.A. Zaidel',
N.IA. Turchin, D.I. Latysh. Elek. sta. 34 no.7:91-95 Jl '63.
(MIRA 16:8)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, G.T.

LATYSH, G.T.

In the "Pechorshakhtostroi" combine. Shakht.stroi.no.11:11-12 N '57. (MIRA 10:12)

1. Nachal'nik kombinata Pechorshakhtstroy.
(Pechora Basin--Coal mines and mining)(Building--Cold weather conditions)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

IVANOV, A.A.; LATYSH, I.K.

Magmatic ore deposits. Izv.AN.SSSR.Ser.geol.20 no.6:3-13 N-D '55.
(Ore deposits) (MLRA 9:2)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, I.K.

Forms of occurrences of platinum in ores of the Kachkanar type in the Urals. Trudy Gor.-geol. inst. UFAN SSSR no. 42:3-15 '59. (MIRA 14:2)

(Kachkanar Mountain--Platinum)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, Ivan Korneyevich; IVANOV, S.N., doktor geol.-min.nauk, prof., otv.red.; EBERGARDT, M.S., red.izd-va; SEREBKINA, N.F., tekhn. red.

[Mineral composition and conditions governing the deposition of titanomagnetite ores of the Visim deposit in the Central Urals] Mineral'n'yi sostav i usloviia lokalizatsii titanomagnetitovykh rud Visimskogo mestorozhdeniia na Srednem Urale. Svedlovsk, 1960. 75 p. (Akademiia nauk SSSR. Ural'skii filial. Sverdlovsk. Gorno-geologicheskii institut. Trudy, no.50). (MIRA 13:7)

1. Zavednyushchiy laboratoriyey geologii rudnykh mestorozhdeniy Ural'skogo filiala AN SSSR (for Ivanov).
(Bilimbay Mountain--Titanomagnetite)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, I.K.; FOMINYKH, V.G.

Hornblendes of the hornblendites in the Pervoural'sk titanomagnetite deposit. Trudy Gor.-geol. inst. UFAN SSSR no. 35:101-117 '60. (MIRA 14:1)

(Pervoural'sk region--Hornblende)
(Pervoural'sk region--Titanomagnetite)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, I.K.; FOMINYKH, V.G.

Bleaching of common hornblendite in the Pervoural'skoye deposit. Trudy Gor.-geol.inst. UFAN SSSR no.56:101-106 '61. (MIRA 15:7)
(Sverdlovsk region--Hornblendite)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

YUNIKOV, B.A.; LATYSH, I.K.

Solubility of rutile in pseudobrookite. Trudy Gor.-geol.inst. UFAN SSSR no.56:137-143 '61. (MIRA 15:7)

(Rutile)
(Pseudobrookite)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

YUNIKOV, B.A.; LATYSH, I.K.

Oxidation products of ulvöspinel. Geol.rud.mestorozh. no.4:130-133 Jl-Ag '62. (MIRA 15:8)

1. Gorno-geologicheskiy institut Ural'skogo filiala Akademii nauk SSSR, Sverdlovsk.
(Ulvöspinel) (Oxidation)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, I.K.; MITSKEVICH, B.F. [Mitskevych. B.F.]

Results of the Second All Union Conference on the Problems of Geochemical Prospecting for Minerals. Geol. zhur. 23 no.5:106-108 '63.

(MIRA 16:12)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, I.K.

Titanomagnetites containing hercynite of the Kopansk deposit. Trudy Inst. geol. UFAN SSSR no.70:63-64 '65.

Impurity elements in the sulfides of the Kusinsk-Kopansk group of the titanomagnetite deposits. Ibid.:325-329

(MIRA 18:12)

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35565

S/056/62/042/003/021/049
B102/B138

AUTHOR: Latysh, V. G.

TITLE: The equilibrium shape of atomic nuclei

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 42, no. 3, 1962, 777 - 778

TEXT: Single-particle energy levels are calculated for an infinitely deep ellipsoidal potential well with vertical walls by diagonalizing the energy matrix. The well model is the same as used by D. A. Zaikin (ZhETF, 35, 529, 1958; ZhETF, 36, 1570, 1959), but the calculation is more accurate since spin-orbital interaction is taken into account. The half-axes of the well ellipsoid are $a_x r_0$, $a_y r_0$ and $a_z r_0$, r_0 being the radius of the equivalent sphere. With the new coordinates $x=a_x x'$ $y=a_y y'$ and $z=a_z z'$, the nucleon state can be described by $\left\{ -\frac{\hbar^2}{2m}\nabla^2 - k(\hat{\vec{s}}\hat{\vec{l}}) + \hat{V}_1 + \hat{V}_2 \right\} \psi_i = E_i \psi_i$, where k is the constant of spin-orbital coupling. The operators determining the non-sphericity, are given by

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

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$$\hat{V}_1 = \rho\left[\cos\gamma - \tfrac{1}{4}\rho(1+2\cos^2\gamma)\right](\hat{p}^2 - 3\hat{p}_z^2)/2m - \\ -\sqrt{3}\,\rho\sin\gamma\left(1+\tfrac{1}{2}\rho\cos\gamma\right)(\hat{p}_x^2 - \hat{p}_y^2)/2m + \rho^2\hat{p}^2/2m, \\ \hat{V}_2 = -\tfrac{1}{2}\rho\left(\cos\gamma - \tfrac{1}{2}\rho\sin^2\gamma\right)(\hat{s}\,\hat{l} - 3\hat{s}_z\hat{l}_z) + \\ +\tfrac{1}{2}\sqrt{3}\,\rho\sin\gamma(1-\rho\cos\gamma)(\hat{s}_x\hat{l}_x - \hat{s}_y\hat{l}_y) + \tfrac{1}{4}\rho^2(\hat{s}\,\hat{l}), \qquad (3),$$

$\rho \approx \sqrt{5/4\pi\beta}$. β and γ are the deformation parameters. The energy matrix can be set up by means of the eigenfunctions for spherical potential; its diagonalization yields the nucleon energies in dependence on β and γ. Numerical calculations were carried out with a БЭСМ (BESM) computer for a matrix of 76-th order. The results showed that the nucleon configuration of one sort has axial symmetry, the closed shells are spherically symmetric. Most of the nuclei with $N<76$ also are axisymmetric, except a few such as Kr^{92}_{36} ($k=0$, $\beta_0=0.08$, $\gamma_0=25^\circ$), Ti^{46}_{22} ($k=2$, $\beta_0=0.08$, $\gamma_0=25^\circ$); Ge^{76}_{32} ($k=3$, $\beta_0=0.11$, $\gamma_0=20^\circ$). With the shell model used, only configurations of different types of nucleons can have a non-axial equilibrium shape. D. A. Zaikin is thanked

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

for discussions. There are 7 references: 4 Soviet and 3 non-Soviet. The two references to English-language publications read as follows: T. D. Newton. Canad. J. Phys. 5, 700, 1960; P. Klinkenberg. Rev. Mod. Phys. 26, 63, 1952.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Physics Institute imeni P. N. Lebedev of the Academy of Sciences, USSR)

SUBMITTED: June 6, 1961

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

ACCESSION NR: AP4024721 S/0109/64/009/003/0408/0417

AUTHOR: Bol'shakov, I. A.; Laty*sh, V. G.

TITLE: Isolating an unknown number of fluctuating signals from noise on the basis of the theory of random points

SOURCE: Radiotekhnika i elektronika, v. 9, no. 3, 1964, 408-417

TOPIC TAGS: signal, noise, signal noise separation, signal transmission, communication theory

ABSTRACT: The fundamentals of the theory of random points are briefly set forth. A realization y(t) at the receiver output is regarded as an additive mixture of an indefinite number of signals which depends on one type of parameters λ and noise. The parameter values are considered as random points in the space R. A definite number of points n drops out in R, one point per each of the segments $(\lambda_1, \lambda_1 + d\lambda_1), \ldots, (\lambda_n, \lambda_n + d\lambda_n)$; this event is denoted by $A_n(\lambda_1, \ldots, \lambda_n)$. Therefore, with $d\lambda_i \to 0$, the probability of the above event is $P(A_n) = e_n(\lambda_1, \ldots, \lambda_n) d\lambda_1 \ldots d\lambda_n$; or, using the Bayes formula, the a-posteriori probability is $P(A_n) = CP(A_n)P(y(t)/A_n)$, C is the normalizing constant, $P(A_n)$ is the a-priori probability of the event;

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

ACCESSION NR: AP4024721

$P(y(t)/A_n)$ is a likelihood function. A set of the latter functions is determined for a various number n of signals in order to find the conditional probability density. A set of normally fluctuating signals in the white noise is described; independently fluctuating, statistically identical, nonoverlapping and overlapping signals are analyzed. The a-posteriori distribution of like parameters of a set of fluctuating signals can help in solving the problems of optimum detection, measuring, and resolving many signals when their number is not a-priori known. Orig. art. has: 3 figures and 37 formulas.

ASSOCIATION: none

SUBMITTED: 30Jan63 DATE ACQ: 10Apr64 ENCL: 00

SUB CODE: CO NO REF SOV: 006 OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

ACCESSION NR: AP4038606 S/0109/64/009/004/0563/0570

AUTHOR: Bol'shakov, I. A.; Vatollo, V. V.; Laty*sh, V. G.

TITLE: Methods for detecting and measuring an unknown number of signals based on the random-point theory

SOURCE: Radiotekhnika i elektronika, v. 9, no. 4, 1964, 563-570

TOPIC TAGS: radar, radar signal detection, decision theory, random point theory

ABSTRACT: An attempt is made to unite the decision theory and the theory of correlated random points for solving the problem of signal observation (detection and measurement). An unknown number of (radar) signals are received mixed with noise. The mean-risk function is set up, and the Bayes decision operators, which ensure the highest quality of signal measurement and resolution, are determined. The general structure of a detector-measurer is figured out on the

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ACCESSION NR: AP4038606

basis of the square-law loss function. It is expected that the same method can be extended over the cases of signals depending on several parameters, signals of several known classes, arbitrarily grouped signals, etc. Orig. art. has: 22 formulas.

ASSOCIATION: none

SUBMITTED: 30Jan63 DATE ACQ: 05Jun64 ENCL: 00

SUB CODE: DC NO REF SOV: 003 OTHER: 001

Card 2/2

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

BOL'SHAKOV, I.A.; VATOLLO, V.V.; LATYSH, V.G.

Methods for the joint detection and measurement of an unknown number of signals based on the theory of random points. Radiotekh. i elektron. 9 no.4:563-570 Ap '64. (MIRA 17:7)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

L 1977-66 EWT(m)/EWA(h)

ACCESSION NR: AT5018599 UR/2504/65/033/000/0235/0273

30
16
B+1

AUTHOR: Katsaurov, L. N.; Latysh, V. G.

TITLE: On the possibility of increasing the yield of nuclear reactions

SOURCE: AN SSSR. Fizicheskiy institut. Trudy, v. 33, 1965. Issledovaniye atomnogo yadra s pomoshch'yu zaryazhennykh chastits i neutronov (Investigation of the atomic nucleus using charged particles and neutrons), 235-273

TOPIC TAGS: nuclear reaction, neutron physics, cyclotron

ABSTRACT: The article deals with methods of increasing the ratio of the number of nuclear reactions produced in a target to the number of bombarding particles. In the most commonly used nuclear reactions, aimed primarily at production of monoenergetic neutron beams, this ratio seldom exceeds 10^{-5}. Of the two fundamental methods of accomplishing this, reducing the interaction between the incident particle and the field that retards its motion and imparting additional acceleration to the particle as it moves in the target, only the latter is feasible at present. Various methods of providing the additional acceleration both outside and inside the target are discussed. The most effective method is to place the target in an accelerator such as a cyclotron and repeat the interaction cyclically. The most promising is the use of a cyclotron with azimuthal variation of the magnetic field.

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L 1977-66

ACCESSION NR: AT5018599

13

Three possible arrangements are possible: (1) Thin local targets (jets of gas or vapor, thin solid target), with acceleration outside the target; in the case of solid targets the incident-particle current is limited to several microamperes). (2) Gas tartets or thin targets distributed over the entire length of the accelerated-particle orbit. The attainable acceleration is limited by the breakdown voltage of the gas target in the accelerator. (3) An arrangement whereby the accelerated-particle beam itself serves as the target. Two sorts of particles, whose masses and energies satsify certain prescribed relations, move along the same orbit in the cyclotron and are accelerated to different energies. This method is also limited to small particle currents. The increase in yield afforded by all three methods is estimated for various types of targets. The largest gain in yield (about 1000 times) is obtained if jets of vapor or gas are used. A slotted-magnet 300-kev cyclotron for this purpose has been constructed by a group comprising V. A. Gladyshev, L. N. Katsaurov, A. I. Kuznetsov, L. P. Nechayeva, and Ye. M. Moroz (V. A. Gladyshev et al. Atomnya energiya, in press), and tests of the formulas derived in the present paper are under way. "The authors thank Corresponding Member AN SSSR I. M. Frank, Director of the Atomic-Nucleus Laboratory, their colleagues Ye. M. Balebanov, I. Ya. Barit, O. I. Kozinets, and F. L. Shapiro, and also A. A. Kolomenskiy, M. S. Rabinovich, and Ye. M. Moroz of the FIAN Accelerator Laboratory for

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L 1977-66

ACCESSION NR: AT5018599

discussions. The idea of using a cyclotron as a neutron generator is due to I. M. Frank, and the possibility of obtaining large neutron yields with a thin gas target in a cyclotron is due to F. L. Shapiro." Orig. art. has: 9 figures, 121 formulas, and 4 tables.

ASSOCIATION: Fizicheskiy institut AN SSSR (Physics Institute, AN SSSR)

SUBMITTED: 00 ENCL: 00 SUB CODE: NP

NR REF SOV: 012 OTHER: 012

Card 3/3

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, V.N.

March hygiene in the British army under tropical conditions. Voen.-med. zhur. no.10:88-92 O '55. (MLRA 9:10)
(GREAT BRITAIN--MILITARY HYGIENE)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, V.N.

Of what is India's population composed? Geog.v shkole 18 no.5: 50-54 S-O '55. (MLRA 8:12)

(India--Population)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, V. N.; YAKIMENKO, V. Ya. (Leningrad)

Diagnostic value of the diphenylamine reaction in rheumatism. Vrach. delo no.3:45-52 Mr '62. (MIRA 15:7)

1. Klinika gospital'noy terapii I (nachal'nik - deystvitel'nyy chlen AMN SSSR, prof. N. S. Molchanov) Voyenno-meditsinskoy ordena Lenina Akademii imeni S. M. Kirova.

(DIPHENYLAMINE) (RHEUMATIC FEVER)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, V.N., kand.med.nauk (Leningrad).

Diagnostic value of antistreptokinase in rheumatic fever chronic tonsillitis and protracted septic endocarditis. Vrach. delo no.11:15-20 N'63 (MIRA 16:12)

1. Kafedra gospital'noy terapii (nachal'nik - deystvitel'nyy chlen AMN SSSR, prof. N.S. Molchanov, nauchnyy rukovoditel' prof. M.I.Shcherba [deceased] Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

L 23877-66 EWT(i)/EWT(m)/EPF(n)-2/T/ETC(m)-6 WW/DJ/WE

ACC NR: AP6009922 (A,N) SOURCE CODE: UR/0413/66/000/004/0117/0117

AUTHOR: Bakharev, A. P.; Tumanova, A. S.; Lisitsyn, A. A.; Rodnikov, V. A.; Pozharov, M. A.; Rezvov, K. M.; Smirnov, M. P.; Latysh, V. S.; Kryuchkov, V. Ye.; Filippov, V. V.; Keller, U. U.; Kislov, V. G.; Gryaznov, Yu. A.; Koshman, E. I.; Mos'kin, V. A.; Polonskiy, S. N.; Fedoseyev, N. I.; Lavrov, L. I.

ORG: none

64
B

TITLE: A sectional high-pressure fuel pump. Class 46, No. 179124

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 4, 1966, 117

TOPIC TAGS: engine fuel pump, internal combustion engine, high pressure pump

ABSTRACT: This Author's Certificate introduces: 1. A sectional high-pressure fuel pump for internal combustion engines. The pumping elements and camshaft are located in the pump housing. The unit also contains a general-purpose regulator with weights mounted on a hub which is fitted loosely onto the camshaft. These weights operate a clutch which is connected to the fuel pump rod by a lever mechanism. The hub with the weights is connected to the camshaft by a helical spring element for stable operation of the pump under given conditions. 2. A modification of this pump in which the lever mechanism is made up of two levers mounted on a common axis. One of these levers

UDC: 621.43.031

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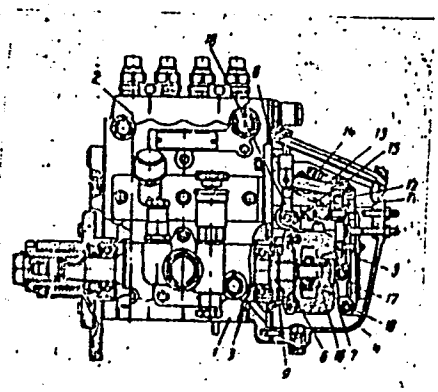
is connected to the pump rod drawbar and the other is connected to the regulator spring. The lever fastened to the drawbar is also coupled with another spring which



1--housing; 2--pumping element; 3--camshaft; 4--general-purpose regulator; 5--weights; 6--hub; 7--regulator clutch; 8--rod; 9--helical spring element; 10--common axis; 11 and 12--control levers; 13--drawbars; 14--regulator spring; 15--extra spring; 16--stem; 17--clutch cavity; 18--control lever

moves this lever to increase fuel feed during starting of the engine. 3. A modification of this fuel pump in which the regulator clutch is mounted on the stem of the camshaft and prevented from rotating by lugs on one of the levers which fit into grooves on the clutch. The clutch cavity bounded by the end of the shaft is filled with oil for damping. 4. A modification of this pump in which the additional spring coupled with the lever mechanism has its other end connected to the motor control lever so that the spring is out of operation when the control lever is moved to the minimum idling speed position after the motor is started. 5. A modification of this pump in which the lever is connected to the pump rod

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ACC NR: AP6009922

drawbar by an eccentric to change the cyclic feed of the pump during regulation without changing the speed conditions of the regulator.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, V. T.

"Tokovsk Granite Intrusive (Mineralogicopetrographic Characteristics) Nauch. Zap. Kiyevskogo Un-ta, 1953, 12, No 4, 5-14

The Tokovsk granite massif is located in the lower reaches of the Bazavluk River (in the region of the central Dnepr area). The most complete cross-sectional profile can be traced along the River Kamenka (right tributary of the Bazavluk River), where in the western direction is noticed a substitution of rose-colored granite by mean-granular granite of Zhitomirsk type. Analysis of the granites is tabulated. (RZhGeol, No 3, 1954)

SO: W 31187, 8 Mar 55

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSH, Yu. V.

126-1-36/40

AUTHORS: Medovar, B. I., Langer, N. A. and Latysh, Yu. V.

TITLE: A new type of corrosion of acid resistant austenitic steel and of weld joints. (Novyy vid korrozii kislotostoykoy austenitnoy stali i svarnykh shvov). (Transcrystalline corrosion of chromium-nickel-molybdenum-copper steel X23H23M3Д3, caused by compression deformations). (Transkristallitnaya korroziya khromo-nikele-molibdeno-medistoy st. Kh23N23M3D3, vyzvannaya deformatsiyey szhatiya).

PERIODICAL: Fizika Metallov i Metallovedeniye, 1957, Vol.5, No.1, pp. 184-186 (USSR)

ABSTRACT: Stainless and acid resistant chromium-nickel austenitic steels which do not contain titanium or niobium or tantalum suffer intercrystallite corrosion as a result of separation along the boundaries of an excess phase which is rich in chromium and results in an impoverishment in chromium of the peripheral zones. In certain aggressive media containing ions of chlorine and other haloids, austenitic steels may be affected by stress corrosion (Refs.3 to 6); under the effect of the tensile stresses and the aggressive media transcrystallite cracking of the steel may occur. In some cases trans-

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

A new type of corrosion of acid resistant austenitic steel and of weld joints. 126-1-36/40

crystallite fracture is combined with intercrystallite fracture. The causes of this type of corrosion have not been sufficiently studied. However, it can be considered an established fact that the presence of tensile stresses in the volume of the metal is a necessary condition of transcrystallite corrosion if the metal is in an aggressive medium. No transcrystallite corrosion has been observed in presence of compression stresses. The chromium-nickel steel mentioned in the title, which is also designated by ЭИ-533 is intended for manufacturing equipment in the sulphuric acid industry. It has a high chemical stability in sulphuric acid of various concentrations of up to 75 to 80% and has a fully satisfactory stability against inter-crystallite corrosion in standard tests. Such steel also has no tendency to transcrystallite corrosion under stress. In investigating the weldability of ЭИ-533 steel the authors of this paper detected a new type of corrosion disruption of the basic metal and of the welded seam, namely, transcrystallite corrosion in

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126-1-36/40

A new type of corrosion of acid resistant austenitic steel and of weld joints.

sulphuric acid (boiling for 100 hours in acid of 35, 50 and 75% concentration) caused by compression deformations. Comparative corrosion tests were made on specimens of 20 x 70 mm and a width of 3.8 mm of a steel with the following chemical composition: 0.06% C, 0.89% Si, 0.33% Mn, 22.25% Cr, 23.38% Ni, 2.85% Cu, 2.80% Mo, 0.010% S and 0.01% P. A part of the specimens were tested in the as delivered state, i.e. after hot rolling and hardening to obtain austenite; the other part of the specimens were compressed by surface work hardening by means of a pneumatic chisel with a blunted end. The results are entered in a table, p.185. It was found that compression deformation causes transcrystallite corrosion and also intensifies corrosion generally. Since in making welded structures of austenitic steels it is not possible to avoid compression deformations and the resulting tendency to develop transcrystallite corrosion, the authors recommend, as a radical means of eliminating the influence of work hardening, the following heat treatment: hardening by heating for

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126-1-36/40

A new type of corrosion of acid resistant austenitic steel and of weld joints.

one hour at 1100°C followed by quenching in water or heating at 800°C for two hours followed by cooling in air. The latter form of heat treatment is preferable since it can be effected more easily under shop conditions.
There are 3 figures, 1 table and 8 references, 5 of which are Slavic.

SUBMITTED: June 28, 1956.

ASSOCIATION: Institute of Electric Welding imeni Ye. O. Paton, Ukrainian Ac.Sc., Ukr.SSR.
(Institut Elektrosvarki imeni Ye. O. Patona AN USSR)

AVAILABLE: Library of Congress.

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APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSHENKOV, Arseniy Mikhaylovich

Technology

Hydraulics Moskva, Stroiizdat Narkomstroia, 1945

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

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSHENKOV, A. M.

"Graphic Means of Determining the Critical Depth in Channels," Hydrotechnical Construction, No 2, 1947 (8-10).
(Meteorologiya i Gidrologiya, No 6 Nov/Dec 1947)

SO: U-3218, 3 Apr 1953

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSHENKOV, A. M.

Latyshenkov, A. M. - "laboratory studies of a river bed erosion under a bridge," Trudy Gidravl. laboratorii (Vsesoyuz. nauch. - issled. in-t vodosnabzheniya, kanalizatsii, gidrotekhn. sooruzheniy i inzh. gidrogeologii), Collection 2, 1948, p. 124-46, - Bibliog: 6 items

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

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSHENKOV, A. M.

21968 LATYSHENKOV, A. M. Gidravlicheskiy raschet otverstiy bol'shikh mostov. V sb: Gidravl. issledovaniya insh. sooruzheniy. M., 1949, s. 78-120

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSHENKOV, A.M.

21700 LATYSHENKOV, A.M. Bayopatornye issdeovaniya vodnodomov dlya vodokhpanilishcha. V SO: Tidpavl issledovaniya inzh sooruzheniy M., 1949, S. 130-47

SO: Letopis'Zhurnal'nykh Statey, No. 29, Moskva, 1949.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSHENKOV, A.M.

21701 LATYSHENKOV, A.M. Laboratornye issledovaniya ledozashchitnyu zapanei. V. So. Tidpavl. Issledovaniya Inzh. Sooruzheniy. M., 1949, S. 148-64

SO: Letopis'Zhurnal'nykh Statey, No. 29, Moskva, 1949

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

1. LATYSHENKOV, A.M.

2. USSR (600)

4. Technology

7. Principles of hydraulics. Leningrad, Gostoptekhizdat, 1952

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

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

GLATYSHENKOV, A. M., kandidat tekhnicheskikh nauk, starshiy nauchnyy sotrudnik.

Calculating channels by means of unitary flow characteristics. Trudy gidrav.lab.VODGEO no.3:26-34 '52. (MIRA 9:10)
(Hydraulics)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

MOSTKOV, M.A., professor , doktor tekhnicheskikh nauk; LATYSHENKOV, A.M., kandidat tekhnicheskikh nauk, nauchnyy redaktor; SAFONOV, P.V., inzhener, redaktor; DAKHNOV, V.S., tekhnicheskiy redaktor

[Handbook on hydraulics] Gidravlicheskii spravochnik. Moskva, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1954. 532 p. (Hydraulics--Tables, calculations, etc.) (MLRA 7:9)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSHENKOV, A.M.

SIDOROV, A.A., kandidat tekhnicheskikh nauk, redaktor; BLIZNYAK, Ye.V. doktor tekhnicheskikh nauk, professor; OLESHKEVICH, L.V., kandidat tekhnicheskikh nauk, dotsent; AKHUTIN, A.N., doktor tekhnicheskikh nauk, professor; BEREZINSKIY, A.R., doktor tekhnicheskikh nauk, professor; GRISHIN, M.M., doktor tekhnicheskikh nauk, professor; DZHUNKOVSKIY, N.N., doktor tekhnicheskikh nauk, professor; ZHEMOCHKIN, B.N., laureat Stalinskoy premii, doktor tekhnicheskikh nauk, professor; MIKAYLOV, K.A., doktor tekhnicheskikh nauk, professor; NICHIPEROVICH, A.A., doktor tekhnicheskikh nauk, professor; NESTERUK, F.Ya., doktor tekhnicheskikh nauk; NEDRIGA, V.P., kandidat tekhnicheskikh nauk; SAFONOV, P.V., inzhener; LATYSHENKOV, A.M., kandidat tekhnicheskikh nauk, dotsent, redaktor; MUHOMOV, V.S., kandidat tekhnicheskikh nauk, dotsent, redaktor; BARSOV, M.V., inzhener, redaktor; MEYSTER, V.A., kandidat tekhnicheskikh nauk, redaktor; LIPKIND, M.V., kandidat tekhnicheskikh nauk, redaktor; LYAPICHEV, P.A., kandidat tekhnicheskikh nauk, redaktor; KARPOV, I.M., kandidat tekhnicheskikh nauk, dotsent, redaktor; REPKIN, V.P., inzhener, redaktor; MEDVEDEV. L.Ya., tekhnicheskiy redaktor.

[Hydraulic engineering handbook]Spravochnik po gidrotekhnike, Moskva, Gos.izd-vo lit-ry, po stroit. i arkhit.1955. 828 p. (MLRA 8:10)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut vodosnabzheniya, kanalizatsii, gidrotekhnicheskikh sooruzheniy i inzhenernoy gidrogeologii. 2. Zasluzhenyy deyatel' nauki i

(Continued on next card)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

SIDOROV, A.A., kandidat tekhnicheskikh nauk, redaktor,and others... (Card 2)

[Hydraulic engineering handbook]Spravochnik to gidrotekhnike, Moskva, Gos.izd-vo lit-ry, po stroit i arkhit. 1955. 828 p. (Card 2) (MLRA 8:10)

2. Zasluzhenyy deyatel' nauki i tekhniki RSFSR(for Bliznyak)
3. Deystvitel'nyy chlen Akademii nauk AzSSR(for Mikaylov)
(Hydraulic engineering)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

LATYSHEVKOV, A.M., kandidat tekhnicheskikh nauk, starshiy nauchnyy sotrudnik.

Selecting the configuration and designing stream directing dams for floodlands. Trudy gidrav.lab.VODGEO no.4:38-72 '55. (MIRA 9:10)
(Flood dams and reservoirs)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R000928810009-4

GVOZDEV, V.S., kandidat tekhnicheskikh nauk; LATYSHENKOV, A.M., kandidat tekhnicheskikh nauk, redaktor; SAFONOV, P.V., redaktor izdatel'stva; TOKER, A.M., tekhnicheskiy redaktor

[Passage of high waters to flood plains in presence of low-pressure dams] Propusk pavodka po poime pri nizkonapornykh plotinakh. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1956. 79 p. (MLRA 9:10)
(Dams) (Alluvial lands)

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AGASIYEVA, Sof'ya Ivanovna, kandidat tekhnicheskikh nauk; LATYSHENKOV, A.M., kandidat tekhnicheskikh nauk, nauchnyy redaktor; GOLUBENKOVA, L.A., redaktor izdatel'stva; MEL'NICHENKO, F.P., tekhnicheskiy redaktor

[Secondary spillways and trench spillways] Bokovye vodoslivy i transheinye vodosbrosy. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1956. 83 p. (MIRA 9:10)
(Spillways)

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LATYSHENKOV, A.M., dotsent, kandidat tekhnicheskikh nauk; LOBACHEV, V.G., professor, doktor tekhnicheskikh nauk [deceased]; MUROMOV, V.S., kandidat tekhnicheskikh nauk, dotsent, redaktor; SAFONOV, P.V., redaktor; MEDVEDEV, L.Ya., tekhnicheskiy redaktor.

[Hydraulics] Gidravlika. Izd.2-oe, ispr. i dop. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1956. 408 p. (MLRA 9:6)
(Hydraulics)

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LATYSHENKOV, A.M., kandidat tekhnicheskikh nauk.

Using baffle piers on dam aprons to eliminate downstream residue and scour. Trudy Gidrav. lab. VODGEO no.5:16-35 '57. (MIRA 10:8)
(Dams)

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LATYSHENKOV, A.M.

124-58-6-6625

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 6, p 46 (USSR)

AUTHOR: Latyshenkov, A. M.

TITLE: The Kinetic-energy-of-flow Coefficient in the Forced Motion of a Fluid Through Pipes (Koeffitsiyent kineticheskoy energii potoka pri napornom dvizhenii v trubakh)

PERIODICAL: Tr. Gidravl. labor. Vses. n.-i. in-t vodosnab., kanaliz., gidrotekhn. sooruzh. i inzh. gidrogeol., 1957, Nr 5, pp 36-38

ABSTRACT: In Bernoulli's fluid-flow equation there appears a so-called kinetic-energy-of-flow coefficient α, which represents the ratio of the actual kinetic energy of the flow to the kinetic energy of flow calculated from the mean velocity. This coefficient characterizes the effect of the nonuniformity of the transverse velocity distribution and is a function of the velocity distribution over the effective cross section of the flow. Using an exponential relationship of the velocity distribution in pipes which has the exponent K , the author provides the following simple expression for determining the kinetic-energy-of-flow coefficient:

Card 1/2 (equation on card 2)

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