CIA-RDP86-00513R000204520016-1



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CIA-RDP86-00513R000204520016-1

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Country : USSR Category: Cultivated Plants. Potatoes. Vegetables. Cucurbits.

Abs Jour: RZhBiol., No 22, 1958, No 100301

was lower by 22.9%. The yield of the first three pickings in terms of percentage of the gross yield, comprised 30.4 in the control, with irrigation with run-off waters -38.7, the same with the background of precipitation - 40.9, with the background of fertilizers - 45.0 and with the background of both - 48.6. The content of ash substances, proteins and sugars was greater with the irrigation with run-off waters, especially with the background of precipitation and mineral fertilizers. -- M.V. Dranishnikov

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CIA-RDP86-00513R000204520016-1

8/035/61/000/012/008/043 A001/A101 AUTHORS: Pyaskovskaya-Fesenkova, Ye.V., Boyko, P.N., Belyak, G.M., Boyke, V.V. TITLE: Some data on attenuation and dispersion of light at various altitudes above sea level Referativnyy zhurnal. Astronomiya i Geodeziya, no. 12, 1961, 33, PERIODICAL: abstract 12A285 ("Izv. Astrofiz, in-ta AN KazSSR", 1961, v. 11, 78 - 88, Engl, summary) Brightness of daily sky on the Sun's almucantar was measured simul-TEXT: taneously at two points $\theta = 57$ and 60° at the Mountain - Observatory of the Astrophysical Institute, AS KazSSR, and on the Kumbel' mountain. A visual photometer and a photoelectrical photometer with selenium photoelement were used. Transparency coefficients (P), optical thicknesses of atmosphere (τ) and scattering indicatrices $\mu(\theta)$ were determined from the measurement data. It is noted that transparency coefficients over the lowland and mountains differ only slightly. Linke's turbidity factor increases in afternoon hours in comparison with morning 7 Card 1/2

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Some data on attenuation					s/0 Aog	08/043				
mountain.	Absolute	scatterin	nore noticeable ig indicatrices ed by 30 - 85%.	s on the						konner
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Abstracte	er's note:	Complete	e translation]				•			
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	1. A. 1997 A.	1. ¹¹ .		•						

"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204520016-1

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1.	, BELYAK, I.	- -
2.	USSR (600)	
4.	Geography & Geology	
7.	Land of fantastic rocks. Krasnoiarsk, Kraevoe isdatel'stvo, 1952.	
÷.,		
9.	Monthly List of Russian Accessions, Library of Congress, February, 1953. Unclassified	



CIA-RDP86-00513R000204520016-1





. . BELYAK, V.I., ZAIKIN, D.A. Rotational states of nonspherical even-even nuclei. Izv. AN SSSR. Ser. fiz. 25 no.9:1163-1168 '61. (MIRA 14:8) 1. Fizicheskiy institut imeni P.N. Lebedeva AN SSSR. (Nuclei, Atomic) í

CIA-RDP86-00513R000204520016-1

10873 s/048/62/026/009/008/011 B125/B186 1.600 Belyak AUTHOR: Excitation of the collective states of the nuclei in fast TITLE: particle scattering Seriya fizicheskaya, v. 26, Akademiya nauk SSSR.. Izvestiya. PERIODICAL: no. 9, 1962, 1180-1187 TEXT: Relations between the scattering cross sections and the nuclear parameters (reduced probabilities of electric transitions, quadrupole parameters (reduced probabilities of electric classifier, quality moment) are derived without allowing for the nature of the collective nuclear motions. The expansion of the scattering amplitude $f(\vec{k}_n, a_{\lambda\mu})$ in a power series of a or $q_{\lambda\mu} = a_{\lambda\mu}$ is broken off after the linear term. a are the parameters of the nuclear surface deformation. The total cross λ_{μ} section of all processes (elastic and inelastic scattering on polarized nuclei is $Y_{40}(\theta, \varphi) P_{20}(\mathbf{k}_0)$ $=\frac{4\pi}{k}\operatorname{Im} f_{N_{0}J_{0}M_{0}}^{N_{0}J_{0}M_{0}}(\mathbf{k}_{0})=\frac{4\pi}{k}\operatorname{Im} [F_{0}(\mathbf{k}_{0})$ (1). đ N.J.M Card 1/4

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Excitation of the co	llective states	S/048/62/026/0 B125/B186	09/008/011	
nuclei of arbitrary'	ering cross section d orientation. The tota	al cross section	$\sum_{N} d \sigma_{00}^{N2} = d\sigma_{0}^{2}$	· f
on the quadrupole det dynamic (spherical nu $d\sigma_{00}^{22}/d\sigma_{00}^{12} = b(E2,00 -$ sections with excitat the collective nuclear The amount and the ne	lective nuclear motion formation β^2 of the nu lclei) or static (non- \rightarrow 22)/b(E2,00 \rightarrow 12) tion of the 2 ⁺ levels ar motion, which can be ture of the quadrupol acleus connected there	cleus. This def spherical nuclei (22) of the s depends only on be determined by	ormation can). The ratio cattering cro the nature of measuring (22	be ss).
particle scattering b	by oriented nuclei.		rmined from t	ne
Card 4/4				
		ne and an and an		

CIA-RDP86-00513R000204520016-1

. ... 89259 S/048/61/025/001/025/031 B029 / B063 26.2242 AUTHOR: Belyak, V. I. TITLE: Scattering of fast neutrons by non-axial nuclei PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, v. 25, no. 1, 1961, 139-142 TEXT: A study has been made of the scattering of neutrons by nonspherical nuclei through small angles in diffraction approximation which is possible if kR \gg 1. In this approximation, the wave function of the respective system in the semispace $z \ge 0$ (the z=0 plane passes through the nucleus perpendicular to the inciding particle current) satisfies the equation $(T_{\tilde{r}} + T_{\omega})\psi(\tilde{r}, \omega) = 0$, where $T_{\tilde{r}}$ is the operator of the kinetic energy of the scattered particles, and ${\tt T}_{\boldsymbol{\boldsymbol{\mathcal{U}}}}$ is the operator of nuclear rotational energy. If the particle energy is lower than ~ 50 Mev, the particles may be considered to be black. The boundary condition Card 1/5

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89259 Scattering of fast neutrons by ... S/048/61/025/001/025/031 B029/B063 $k_n(\hat{\boldsymbol{\xi}}, k_n^2)$ is the wave vector of the scattered neutron exciting the n-th rotational state of the nucleus. For small angles one obtains $f_{n}(\Omega) = \int d\omega \psi_{n}^{*}(\omega) f(\omega, \Omega) \psi_{0}(\omega) \text{ with } f(\omega, \Omega) = \frac{ik}{2\pi} \int_{S(\omega)} d\bar{g} e^{-i\bar{\chi}\bar{g}}$ X = k0. Next, the differential cross sections with excitation of the rotational states $d\sigma_n = |f_n(\Omega)|^2 d\Omega$ for even-even non-axial nuclei are determined: $d\sigma_{2m\tau}(\gamma) = d\sigma_{2m1}(\gamma = 0)b(E2, 2\tau \rightarrow 0), \quad b(E2, 2\tau \rightarrow 0) = (a_{\tau}\cos\gamma + b_{\tau}\sin\gamma)^2$ is the reduced probability of electric quadrupole transition between the ground state and the corresponding spin-2 state. In explicit form one obtains $b(E2,21 \rightarrow 0) = \frac{1}{2} \left[1 + \frac{3-2\sin^2 3\gamma}{\sqrt{9-8\sin^2 3\gamma}} \right], \ b(E2,22 \rightarrow 0) = \left[1 - \frac{3-2\sin^2 3\gamma}{\sqrt{9-8\sin^2 3\gamma}} \right]$ Card 3/5

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CIA-RDP86-00513R000204520016-1

79259 s/048/61/025/001/025/031 Scattering of fast neutrons by ... B029/B063 The differential inelastic scattering cross sections for non-axisymmetric nuclei and small angles are thus equal to the corresponding differential scattering cross sections for axisymmetric nuclei multiplied by the reduced probability of the corresponding quadrupole transition between the ground state and the corresponding spin-2 state, $d\sigma_{2m2}$ vanishes for axisymmetric nuclei and for nuclei with $y = 30^{\circ}$, while for $y = 15^{\circ}-24^{\circ}$ it accounts for 5-7% of $d\sigma_{2m1}$. In the case of non-axisymmetric spin-2 nuclei, a second spin-2 level is observed when measuring the energy of the scattered neutrons or secondary photons. If $\beta kR \gg 1$, the following relations are obtained for the total cross sections: $\sigma_{0} = \pi R^{2} (1 - (5/16\pi)^{1/2} \beta), \sigma_{22} = \sigma_{2,-2} = (3/2) \sigma_{20}, \sigma_{2} = \sum_{m} \sigma_{2m} = (5/8) (5/16\pi)^{1/2} \pi R^{2} \beta.$ The condition $\beta kR \gg 1$ for real nuclei is satisfied only at energies at which the nucleus may be considered to be black. The formulas derived here can be used only for rough estimates since the scattering through small angles is not the only important factor if $\beta kR \sim 1$. In the case of axisymmetric nuclei, the relation $\sigma_2 = (1/3\pi)(kR\beta)R^2\beta$ holds if one Card 4/5

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Scattering of fast neutrons by ... S/048/61/025/001/025/031 B029/B063
confines oneself to the first term of the series expansion. A. S. Davydov and D. A. Zaikin are thanked for advice and discussions. This is the reproduction of a lecture read at the Tenth All-Union Conference on Nuclear Spectroscopy, Moscow, January 19-27, 1960. There are 5 references: 4 Soviet-bloc and 1 non-Soviet-bloc.
ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Institute of Physics imeni P. N. Lebedev, Academy of Sciences USSR)
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CIA-RDP86-00513R000204520016-1



BELYAK, V.V., inzh. (g.Stanislav) Increasing the discharge rate of bore holes by seepage feeding of the water-bearing layer. Vod. i san. tekh. no.6:7-9 Je '62. (MIRA 15:7) (Water-supply engineering) 1

BELYAK, Ya.; ZEMEL MAKHER, N.

Culinary clubs. Obshchestv.pit. no.1:24 Ja '60. (MIRA 13:5)

1. Instruktor proisvodstvennogo obucheniya, rukovoditel' kulinarnogo krushka Zhitomirskoy shkloly torgovo-kulinarnogo uchenichestva (for Belyak). 2. Zamestitel' direktora po uchebnoy chasti Zhitomirskoy shkoly torgovo-kulinarnogo uchenichestva (for Zemel'makher).

(Cooking schools)

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204520016-1

L 08199-67	Ĉ
ACC NR: AP6026350 (N) SOURCE CODE: UR/0310/66/000/004/0036/0038	
AUTHOR: Belyak, Yu. (Candidate of technical sciences)	
ORG: None	
TITLE: Results of operation of vessels of 576, 1000/800, 791 and 558 projects under sea conditions	
SOURCE: Rechnoy transport, no. 4, 1966, 36-38	
TOPIC TACS: sea transportation, inland vessel data, shipbuilding engineering, marine engineering	
ABSTRACT: An eight-year experience with using inland vessels for operations in various sea-coastal areas is reviewed and evaluated on the basis of investigations made by the <u>LIVT Institute</u> . Probable occurrence of rough weather with waves of 2 and 3 meters high is expressed in percent in a table covering various seas bordering the Soviet Union in Europe and Asia. In general, the percentages are relatively low and weather conditions for operating inland vessels are favorable. The analysis of experience also shows that the safety of navigation is sufficiently secured by presence of various intermediary harbors, bays, islands and other natural and artificial shelters. In this connection, various sea routes are cited as examples. The reliability of weather forecast is evalu- ated and the probable distribution of waves are graphically presented. The main construc-	
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tion and performance characteristics of various freight motor-ships selected for sea navigation service are summed up in two tables. Their particular design features are mentioned and their class in the SSSR Register is determined. Various experimental tests conducted on the vessels during their navigations in different seas are generally described. The effect of waves on the vessel structure is discussed and the variations of stresses are graphically illustrated for two vessels. The preparations of vessels for experimental operations in a 20-mile coastal zone are described including the determination of admissible waves and weather conditions. The arrangement of additional protecical aspect of operations is also examined for various shiplines and sea routes. In general, the use of river vessels of "M" and "O" classes for sea-coastal navigation is technically and economically possible on condition that some additional rearrangements and adjustments are made on the vessels. Orig. art. has: 4 tables and 2 graphs.

SUB CODE: 08, 13/ SUBM DATE: None

APPROVED FOR RELEASE: 06/06/2000

SOV/124-57-3-3095 Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 3, p 63 (USSR) AUTHOR: Belyak, Yu. L., Panshin, A. F. Experimental Determination of the Wave Stresses Exerted on the TITLE: Hull of Oil Tankers (Eksperimental'noye opredeleniye volnovykh nagruzok na korpusa neftenalivnykh sudov) PERIODICAL: Tr. Tsentr.n-i in-ta rech. flota, 1956, Nr 32, pp 16-42 ABSTRACT: Results are given of full-scale strength tests on three types of oil barges of different tonnage. Bending moments, developing stresses of the order of the main allowable stresses, were created by a suitable distribution of ballast. This enabled the authors to conduct a verification of the hull strength under the conditions indicated Seaway tests of the vessels were conducted off the Astrakhan' roadstead with the aim of determining the stresses in the hull joints and the character of hull flexure in a seaway. The tests revealed that maximum additional stresses created by the action of waves upon the hull develop when the vessel is proceeding on a quartering or "off-the-bow" course. Propositions are tendered for changes of Card 1/2the "Instruction for the verification of the strength of vessels"

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compiled b Institute of	Experimental Determination of the Wave Stresses Exerted (cont.) compiled by the "River Register" and the TsNIIRF (Central Scientific Research Institute of the River Fleet). The test procedures and the measuring equipment are described in detail.								
		A. A. Kostyukov							
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	, Yul		auk; STEP	; STEPANYUK, Ye.I., kand.tekhn.nauk.							
Inver Rech	.transp.	, 16 no.8	:24-25 Ae	<u>, 157.</u>	tugboat, "V tion (Marine	- (MTRA	10.11)				
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CIA-RDP86-00513R000204520016-1

BELYAK, YU.L. 124-1957-10-12106 Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 10, p 127 (USSR) AUTHORS: Byelyak, Yu. L., Panshin, A. F. TITLE: Investigation of the Loads Acting on Inland Water Vessels Subjected to Conditions of Heavy Waves, and Certain Suggestions for the Strengthening of Vessels (Issledovaniye nagruzok, deystvuyushchikh na suda vnutrennego plavaniya v usloviakh volneniya i rekomendatsii po podkrepleniyu sudov) PERIODICAL: Tr. Tsentr. n.-i, in-ta rech. flota, 1957, Nr 36, pp 127-141 ABSTRACT: Bibliographic entry Card 1/1

APPROVED FOR RELEASE: 06/06/2000

BELYAK, Yu.L., kand.tekhn.nauk Important shortcomings in L.M.Volkov's book "Strength testing of inland waterway vessels" by L.M.Volkov. Reviewed by IU.L. Beliak). Rech.transp. 18 no.6:55-56 Je '59. (MIRA 12:9) (Ships--Testing) (Volkov, L.M.)

BELYAK, Yn.L., kand.tekhn.nauk Testing the stability of cargo ships of the "Sirth Five-Jear Plan" class in the Sea of Okhotek, Rech.transp. 18 no.7:24-25 Jl '59. (MIRA 12:11) (Stability of ships)

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CIA-RDP86-00513R000204520016-1

STOROZHEV, Mikolay Fedorovich; ITSKOVICH, C.M., red.; <u>BELYAK, Yu.L.,</u>
retsenzent; KAN, P.M., red. izd-va; BODROVA, V.A., tekhm.
red.
[Elementary strength calculations of ship structures and
mechanisms]Elementarnye raschety prochnosti sudovykh konstruktsii i mekhanizmov; sbornik zadach. Moskva, Izd-vo
"Rechnoi transport," 1962. 260 p. (MIRA 15:11)
(Naval architecture--Problems, exercises, etc.)

APPROVED FOR RELEASE: 06/06/2000

MATSKEVICH, Dmitriy Dmitriyevich, kand. tekhn. nauk; <u>BELYAK</u>, Yu.L., red.; SHILLING, V.A., red. izd-va; <u>BELOGUROVA</u>, I.A., tekhn.red..... [Dynamometric electric scales with a summator]Dinamometricheskie elektrovecy s summiruiushchim ustroistvom. Leningrad, 1962. 28 p. (Leningradakii dom mauchno-tekhnicheskoi propagandy. Ohnen peredovym opytom. Seriia: Energețika, no.8) (MIRA 16:2) (Scales (Weighing instruments))

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CIA-RDP86-00513R000204520016-1

NELTHKI , NAGIRNYAK, F.I.; BELYAKH, P.F. : و د البادانية Conditions for decoppering zinc concentrates in Ural ore-dressing plants. TSvet. met. 30 no.11:1-6 N '57. (MLRA 10:11) 1. Uralmekhanobr. . (Copper--Metllurgy) (Zinc--Metallurgy)



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	E 55090-65 EWT(d)/EPA(s)-2/EWT(m)/EWP(w)/EPF(c)/EWP(v)/EPA/EWP(j)/T/EWP(k)/	
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	ENA(h) Pc-4/Pf-4/Ps-4/Pt-7/Peb mw/EM/RM ACCESSION NR AM 5004032 BOOK EXPLOITATION 6P7.55 B 44 55	
	Belyskin, Fedor Pavlovich; Istsenko, Vladimir Filippovich; Dybenko, Georgiy Bri	
	JABUOAJCU P	
	Strength and deformation of laminated plastics (Prochnost' i deformativnost' sloistykh plastikov), Kiev, Naukova durka, 1964, 217 p illus., biblio.	
	sloistykh plastikov), Kiev, Naukova dukka, 1902, 22 p 2,300 copies printed. (At head of title: Akademiya nauk Ukrainskoy SSR.	
	Institut mekhaniki)	• •
	TOPIC TAGS: laminated material, glass product, reinforced plastic, nonmetal	
	TOPIC TAGS: laminated material, glass product, reinforced plastic, industrial strength, nonnetal deformation, temperature, mechanic measuring tool, industrial instrument	
	the remulte of experimental and theoretical	
	PURPOSE AND COVERAGE: The book reports the results of capalinatical testing under research on laminated plastics and describes methods for mechanical testing under	
	conditions of continuous logas or derormation, and the strength, resistance, and	-
- 11 <u>-</u>	deformability of faminated about platered in any during compression.	
	deformability of laminated wood plastics and glass reincorrections compression, conditions of normal, elevated, and reduced temperatures during compression, expansion, bending, und shearing. The book is intended for workers at scientific	
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CIA-RDP86-00513R000204520016-1

L 55090-65 ACCESSION NR AM5004032 Effect of increased temperatures and moisture content on the mechanical characteristics of laminated plastics -- 115 Methods for determining mechanical characteristics of strength and deformability during prolonged action of static loads -- 142 Results of testing laminated plastics during prolonged action of static loads - 156 Characteristics of plastics during impact -- 190 Strength of laminated plastics under cyclic loads - 200 Poisson's ratio and deformability -- 210 SUEMITTED: 23Ju164 SUB CODE: MT NO REF SOV : 034 OTHER: 002 arc

CIA-RDP86-00513R000204520016-1

30378 \$/582/61/000/005/004/012 D222/D306 9.7100 Belyakin, N. V. (Pensa) AUTHOR: The universality of a computer with a potentially infinite TITLE: external memory SOURCE: Problemy kibernetiki, no. 5, Moscow, 1961, 77-86 TEXT: The basic result of this paper is expressed by the following theorem: There exists a program which can evaluate any recursive function with a suitable allocation of information in the external storage. The external storage is represented by a tape which is infinitely long in both directions from the reading head. Obviously addresses cannot be used because they become exceedingly long. Instead, the computer is effectively converted into a Turing machine by using three auxiliary instructions to examine the next cell on the right or left of the reading head and to bring numbers into the internal memory. Otherwise the features of ordinary computers are retained, i.e. it can undertake addition; comparison; conjunction; conditional transfer. A metaprogram is defined as one for a three-Card 1/3

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CIA-RDP86-00513R000204520016-1

30378 S/582/61/000/005/004/012 The universality of a D222/D306 address machine, where the instructions may contain very large numbers as addresses. A lemma is proved which states that every re-cursive function can be given in the form of a metaprogram. The essence of the proof of the main theorem is the transformation of the metaprogram into machine instructions. This involves several stages. First, the metainstructions are replaced by others which do not contain addresses. It becomes necessary that the instructions replacing the transfer of control instructions be distinguished in some way - they are written in "red". Second, if the operand numbers become very large they are divided into "zones" of digits and the operations are resolved into successive phases. Third, by introducing special marks on the tape and dividing it into basic and intermediate cells it is shown how the tape can be "stretched" to allow for the insertion of arbitrarily long numbers at any place. When the transformation of the metaprogram into machine instructions is complete, the program is put on the lefthand part of the tape. Combinations of basic and intermediate cells are used to distinguish the "red" instructions. Now the author specifies a so-called universal program, to be put into the internal Card 2/3

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CIA-RDP86-00513R000204520016-1

The universality of a ...

30378 S/582/61/000/005/004/012 D222/D306

storage which can automatically evaluate any recursive function. A system of six general commands are given which are easily convertible into such a universal program described in terms of the machine instructions. The internal storage capacity requirements of the machine are estimated to be rather less than is available in modern digital computers. There are 3 references: 2 Soviet-bloc and 1 non-Soviet-bloc. The reference to the English-language publication reads as follows: C. Shannon, Universal Turing machine with two internal states (in: Automata Studies).

SUBMITTED: May 22, 1958

Card 3/3

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000204520016-1

s/044/62/000/007/067/100 9.7140 C111/C333AUTHOR: Belyakin, N. V. TITLE: Universality of the computor with potential infinite extremal memory PERIODICAL: Referativnyy zhurnal, Matematika, no. 7, 1962, 44, abstract 7V191. ("Probl. kibernetiki", no. 5. M., Fizmatgiz, 1961, 77-86) TEXT: The considered abstract digital computor is distinguished from the real machines by the fact that it possesses an infinite addressless external memory by which he is able to carry out the following operations: 1) he can become aware of the following left cell; 2) he can become aware of the following right cell; 3) he can transmit a number out of the aware cell into the internal memory. The internal memory of the machine contains a finite number of cells with fixed capacity and with addresses. As a metaprogram one denotes the program of a three-address machine, in the instructions of which arbitrarily large number can appear as addresses. One proves the lemma that the calculation of every generally recursive function can be prescribed Card 1/2

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Universality of the computor ...

as a metaprogram. Then one proves the theorem on the existence of a universal program which at a convenient preserving of informations in the external memory can be used for the calculation of each recursive function. The proof of the theorem bases on the transformation of the metaprogram. The commands of the metaprogram are arranged by and by into a system of smaller hints which are written down as instructions for the machine and stored in a certain way on the tape. The control of the computing process follows by the universal program. The necessary volume of the internal memory is determined by the length of the universal program; one assumes that this volume is smaller than that one of the modern computors.

Abstracter's note: Complete translation.

Card 2/2

APPROVED FOR RELEASE: 06/06/2000

44555 8/020/63/148/001/007 /032 16,7000 B112/B180 6.0200 AUTHOR: Belyakin, N. V. TITLE: A certain class of Turing machine PERIODICAL: Akademiya nauk SSSR. Doklady, v. 148, no. 1, 1963, 47-49 TEXT: A Turing A-machine is defined as follows: The external alphabet splits into a class of input letters and one of output letters. Input letters may pass over to input as well as output letters, while output letters always pass over to output letters. Each input letter of an arbitrary sequence is replaced by an output letter after a finite number of machine operations. The following theorems are derived: (1) The set of all A-machines is not recursively denumerable. (2) Each finite operator, but not each effective operator, can be computed by A-machines. (3) The class of the effective operators with finite memory contains the class of all finite operators. (4) An A-machine with finite signalization represents a finite operator. There is 1 table. ,i'S Card 1/2

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A certain class of	Turing machine	S/020/63/148/001/007/032 B112/B180	
Compu		litel'nym tsentrom Sibirskogo R (Institute of Mathematics w Lan Branch of the Academy of	ith
PRESENTED: June	30, 1962, by P. S. Novik	COV, Academician	
for the second se	26, 1962		
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രഞ്ഞില്ലാനുള്ള പ്രവേഷങ്ങളും പ	พชาวความสองสารกระบารจะการสาร	อเกรดรายกร่างเป็นสารสารสารสารสารสารสารสาร	

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Computation of effective operators by Turing machines with limited erasure. Alg. i log. 2 no.1:19-23 '63 (MIRA 18:1)

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ACCESSION NR: AR4039288	\$/0044/64/000/0	03/A009/A009	<i>1</i>
SOURCE: Ref. zh. Matematika, Abs. 3A54			
AUTHOR: Belyakin, N. V.			·
TITLE: A simulation of Turing machines on	nets		
CITED SOURCE: Sb. Diskretn. analiz. Vy*p.	1. Novosibirsk, 1963, 32-4	1	
TOPIC TAGS: Turing machine, tape nucleus, corsive function, universal net, T-set, re	cursive T-set		
TRANSLATION: Let <i>Y</i> be a certain class of finite to one side, M a Turing machine, M of nuclei of the tape. The author introdu the content of the nucleus with number n a word recorded on the tape after t units of after t units of time in the nuclei belong nuclei is called a net. Let M, M*E <i>T</i> an	\mathcal{M}_{λ} , and L a recursive subces the following notation: the moment of time t; $G_{\mathcal{M}_{\lambda}}$ time; $\mathcal{T}_{\mathcal{M}_{\lambda}}(L, t)$ is the wing to L. The infinite rec	set of the set g _M (n, t) is (t) is the ord recorded ursive set of	
finite to one side, M a Turing machine, M(of nuclei of the tape. The author introdu the content of the nucleus with number n a word recorded on the tape after t units of after t units of time in the nuclei belong	\mathcal{M}_{λ} , and L a recursive subces the following notation: the moment of time t; $G_{\mathcal{M}_{\lambda}}$ time; $\mathcal{T}_{\mathcal{M}_{\lambda}}(L, t)$ is the wing to L. The infinite rec	set of the set g _M (n, t) is (t) is the ord recorded ursive set of	•

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APPROVED FOR RELEASE: 06/06/2000



BELYAKIN, N.V.

Arrangement of intermediate information in computations using noneffacing Turing machines. Dokl. AN SSSR 152 no.1:75-77 S '63. (MIRA 16:9)

1. Institut matematiki s vychislitel'nym tsentrom Sibirskogo otdeleniya AN SSSR. Predstavleno akademikom P.S.Novikovym. (Electronic computers)

APPROVED FOR RELEASE: 06/06/2000

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1.161_66 ENT(d)/ENP(1) LJP(c) BB/CG NR: AP6018048 SOURCE CODE: UR/0020/66/168/003/0502/0503 CHOR: Belyskin, N. V. 2 G: Institute of Mathematics, Siberian Branch, Academy of Sciences, SSSR (Institut 2 G: Institute of Mathematics, Siberian Branch, Academy of Sciences, SSSR (Institut 2 G: Institute of Mathematics, Siberian Branch, Academy of Sciences, SSSR (Institut 2 Mathematics Siberian Branch, Academy of Sciences, SSSR (Institut 2 Institute of Mathematics, Siberian Branch, Academy of Sciences, SSSR (Institut 2 Institute of Mathematics, Siberian Branch, Academy of Sciences, SSSR (Institut 2 Institute of Mathematics, Siberian Branch, Academy of Sciences, SSSR (Institut 2 Institute of Mathematics, Siberian Branch, Academy of Sciences, SSSR (Institut 2 Institute of Mathematics, Siberian Branch, Academi nauk SSSR) 2 LE: Turing machines operating on a plane 16 INCE: AN SSSR. Doklady, v. 168, no. 3, 1966, 502-503 PIC TAGS: turing machines considered are distinguished by recording on the procession of the squares rather than onto a tape. During each cycle the machine may		
G: Institute of Mathematics, Siberian Branch, Academy of Sciences, SSSR (Institut ematiki Sibirskogo otdeleniya Akademii nauk SSSR) LE: Turing machines operating on a plane b IRCE: AN SSSR. Doklady, v. 168, no. 3, 1966, 502-503 PIC TAGS: turing machine, function analysis STRACT: The generalized Turing machines considered are distinguished by recording o	7	
ematiki Sibirskogo otdeleniya Akademii nauk SSSR) LE: <u>Turing machines operating on a plane</u> b ^U IRCE: AN SSSR. Doklady, v. 168, no. 3, 1966, 502-503 PIC TAGS: turing machine, function analysis STRACT: The generalized Turing machines considered are distinguished by recording o		
IRCE: AN SSSR. Doklady, v. 168, no. 3, 1966, 502-503 PIC TAGS: turing machine, function analysis STRACT: The generalized Turing machines considered are distinguished by recording o		
PIC TAGS: turing machine, function analysis STRACT: The generalized Turing machines considered are distinguished by recording o		
STRACT: The generalized Turing machines considered are distinguished by recording o		
STRACT: The generalized Turing machines considered are distinguished by recording o		
iew any one of four squares by traveling vertically or horizontally. The discussion is ited to nonerasing machines. It is assumed that for the machines considered the set of imum (maximum) symbols in the external alphabet is the same for all machines which a		- - -
ignated (A, B)-machines (A and B, the minimum and maximum sets respectively). If ϕ is a nondecreasing function it may be said that a given machine ϕ computes the given rator if at every moment η (t) $\leq \phi(\xi(t)), \xi$ (t) and η (t) being the coordinates of the squaring reviewed. It is noted that if ϕ is a universal boundary its characteristic is maintained	e	
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also by $[\phi/k] + 1$, where k is any of						L 17-	14	1	alud-	J. 1) 4	ha fir	otion	log			
so by lø/	k] +	1, whe	re k ie	any con	stan	t. He	nce it	15 COL		u: 1) u om - / 1			hon d	L.		
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12 CARGE CONTRACTOR

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24 341D	30612 S/058/61/000/008/013/044 A058/A101	
UTHORS	Belyakina, R. V., Litvinova, P. S., Rabotkina, L. R., Razmazanov, P. Ye.	
TTLE:	Investigation of the thermofluorescence of a ZnS-Cu, Al phosphor incident to excitation by an AC field	:
ERIODICALS	Referativnyy zhurnal, Fizika, no. 8, 1961, 150-151, abstract 87406 (Dokl. Mezhvuz. nauchn. konferantsii po spectroskopii i spektr. analizu. Tomsk. Tomskiy un-t ⁿ , 1960, 114-115)	
fluorageene	The investigated ZnS-Cu, Al electroluminescent phosphor was excited and a 40-20000 c, 50-900 v sinusoidal voltage. Incident to thermo- of the phosphor after UV excitation there were observed two maxima	X
excitation)	150 K, respectively, while only one maximum was over are shifted to by the electric field. In the latter case the curves are shifted to aperature side. Increase of the excitation voltage and frequency increase of the total amount of sturad light. Determination of	
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APPROVED FOR RELEASE: 06/06/2000



Precision of the determination of spectral classes and color excesses of O-A2-class stars by the method of two-color diagrams. Izv.Krym.astrofiz.obser. 22:257-274 '60. (MIRA 13:7) (Stars)

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000204520016-1

22091 8/035/61/000/003/018/048 A001/A101 3.1560 Belyakina, T.S. and Chugaynov, P.F. AUTHORS: On accuracy of determining spectral classes and color excesses of TITLE: stars 0 - A2 by means of the two-color diagram method Referativnyy zhurnal. Astronomiya i Geodeziya, no. 3, 1961, 38, ab-PERIODICAL: stract 3A348 ("Izv. Krymsk. astrofiz. observ.", 1960, v. 22, 257-274, Engl. summary) The authors discuss the problems of determining spectral classes and TEXT: studying interstellar absorption by the method of two-color diagrams. Photcelectric observations were made of blue-yellow and blue-violet colors, C_{by} and C_{bv} , for 125 stars of spectral classes 0 - A2 in a system close to the U, B, V-system. The root-mean-square error of the catalogue value of colors $C_{by} \xi_{by} = \pm 0^{m}008$ and $C_{bv} \xi_{bv} = \pm 0^{m}005$. The color system was reduced to the U, B, V-system using stars for which determinations of colors B-V and U-B were available. A comparison of color characteristic Q with values of Balmer discontinuity D and estimates of spectral classes obtained by I.M. Kopylov (RZhAstr., 1959, no. 3, 1910) shows that: 1) there is a definite linear correlation between the values of Q and D; 2) re-Card 1/2

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CIA-RDP86-00513R000204520016-1

22091 s/035/61/000/003/018/048 A001/A101 On accuracy of determining spectral classes... lationship between Q and Sp is non-linear and has a dispersion unexplained by observational errors; this dispersion is apparently caused by differences in color temperatures of stars having the same spectral class. It is shown that dispersion of true colors on the two-color diagram is small. The errors due to it which are introduced into determinations of stellar color excesses do not probably exceed \pm 0^m.02. There are 19 references. Author's summary [Abstracter's note: Complete translation]

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Card 2/2

• • •	
ACCESSION NR: AR4039237	s/0269/64/000/004/0024/0024
SOURCE: Ref. zh. Astronomiya, Abs. 4	.51.187
AUTHOR: Belyakina, T. S.; Boyarchuk,	A. A.; Gershberg, R. Ye.
TITLE: Energy distribution in the consymbiotic stars	ntimuous spectrum of novalike and
CITED SOURCE: Izv. Kry*msk. astrofiz	. observ., v. 30, 1963, 25-41
TOPIC TAGS: star, symbiotic star, nor stellar spectrophotometry, slitless sp planetary nebula	valike star, astronomy, astrophysics, peotrograph, emission line, nebula,
TRANSLATION: This article presents the photometric studies made using the 2.6 physical Observatory. There is a brid graph used in the observations and a c for investigation of the energy distri-	6-m reflector of the Crimean Astro- ef description of the slitless spectro- detailed discussion of the method used
Card 1/3	

CIA-RDP86-00513R000204520016-1

ACCESSION NR: AR4039237 spectrum. On the basis of 30 spectrograms the authors obtained the energy distribution in the spectrum of the novalike star AG Dra and in the spectra of three symbiotic stars (Z And, AG Peg and BF Cyg). For each of these stars the authors determined the energy distribution in the spectral region λ λ 3300-5000 and have given a physical interpretation of the observed distribution. The spectrum of AG Dra corresponds to the integrated spectrum of a star with a spectrophotometric temperature of 2800° K and ionized hydrogen at T_e = 20000° K; the spectrum of Z And is interpreted as the joint radiation of a star with $T = 3600^{\circ}K$ and hydrogen plasma at an electron temperature of 300000K. The spectra of AG Peg and BF Cyg in the studied region of the spectrum are caused by the luminescence of ionized hydrogen at electron temperatures of 30000 and 80000°K respectively. An estimate is made of the optical thicknesses of all gas components of the studied objects; in the H & line they are several units. Estimates are given of the equivalent widths of the brightest emission lines and the determined energy distribution in the continuous spectrum has been used to compute the energy relationships between the emission lines. A preliminary quantitative analysis of the emission lines made for BF Cyg confirms the results obtained from the continuous spectrum. Investigation of the planetary Card 2/3

APPROVED FOR RELEASE: 06/06/2000

CIA-RDP86-00513R000204520016-1







BELYAKINA, T.S.; BOYARCHUK, A.A.; GERSHBERG, R.Ye. Energy distribution in the continuum of novalike and symbiotic stars. Izv. Krym. astrofiz. obser. 30:25-41 '63. (MIRA 17:1)

CC NR: AP6015748 SOURCE CODE: UR/0388/66/002/001/0115/0120 23		, - ?
JTHOR: <u>Belyakina, T. Ş.</u>		
RG: Crimean Astrophysical Observatory (Krymskaya astrofizickeskaya observatoriya)		
TLE: Photometric observations of <u>AG Dra</u> in 1965		
WRCE: Astrofizika, v. 2, no. 1, 1966, 115-120		
OPIC TAGS: star brightness, ultraviolet range, stellar radiation, yellow spectral mge, Balmer line		
STRACT: In 1962 and 1963, photoelectric observations of the star AG Dra were arried out at the Crimean Astrophysical Observatory using three colors. Results of		
servations showed that the brightness of the star was constant and its radiation the ultraviolet spectral range was very weak. In 1965, the same observations were,		
peated with little-changed instruments. Results of the last observation are given a table in the original article. The stellar radiation in the yellow spectral		
mge changed gradually, increasing during one month by 0 ^m 04 and from then on re- ining constant. The radiation in the blue spectral range was subject to unsystem-		
ic variations. The radiation in the ultraviolet spectral range showed significant riations with systematic increases and decreases. In 1962, the mean variation was		
M1, and in 1965 it was +0. 5. Testing the possible influence of the changed instru- ntal system on the observational data, it was found to be 0. at most. The radia-	2	
<u>d 1/3.</u>		

Gershhero a	t of the star.	Thanks are express ey for useful advic	er lines which are ed to <u>A. A. Bayarc</u>	huk R Vo		
art. has: 1	table, 1 figur	e, and 4 formulas.	e and discussion o	ot results. Or	1g. [EG]	
JUB CODE: 0	3/ SUBM DATE:	26Jan66/ ORIG REF	: .003/ ATD PRESS	:4257		
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PILVIPAN PUVIPIPIPIPIPIPIPAN PARA . æğ€. BELYAKOV A . POCPERTIES MOET C'4 5 \mathcal{B} ... ź 2379. Put he of Links 4 Strok allalagy, International Conferences on Large H.T. Syst ne, Paris, e, 827. [10 pp.]/ 1997, In Sound. Denoritoes te te cardid out wist Union in which it h a Illestend e of the S in. mi gabe path of a spark dis the transmit is the spark a nd that they also de ð **..................** in air is the is ad tha: đ 20 O eral conditio le Lan vity of (ه ک d surrounding bodies. A 'Die 1996s were carried entron models in v ich the 16 Ö earth was simulated by sand or other materials of appr periate cond ibre: The conclusions were confirmed by the results of the 1936 Geophys ci i -Expedition of the Académie des Sciences, B: O. T. =0 0 **200** 1**0** 200 ARTALLURGICAL LITERATURE CLASSIFICATION 11. 1.**4**.22 188 TIQU ITTIBILTA 1 30m +3+18 141242 14 a31137 OH 111111 04 200 04 M 15 AT 10 AS 5 3 .0 11 11 1 # ь . 9 4 9 • • • : . . ۲ . ۲ • . . . le è i i i • ۲ • . • ė • • • ě ē ē ē ē ě • â ě ě ۰ ۰ . 4 STATES STATES IN

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E	ELYAKO7, A.			i
	Subject	:	USSR/Aeronautics AID - P-22	
	Card	:	1/1	
	Author	:	Belyakov, A., Lt. Gen. of the Air Force, Professor, Doctor of Geographical Science, Hero of the Soviet Union.	
-	Title	:	Pilot Hero - Innovator, (Fiftieth Anniversary of V. P. Chkalov's Birthday).	
	Periodical	:	Vest. vozd. flota, 2, 9 - 12, February 1954	
	Abstract	•	A short biography of Chkalov, V. P. Born in 1904, he became famous by his non-stop flight from the USSR to the US through the North Pole in 1937. Chkalov is famous also as an acrobatic pilot. He cooperated with famous designers in development of new ideas. When working in a scientific research institute, he took part in the development of new methods of fighter air- craft use. Photo shows Chkalov in uniform.	
	Institution	:	None	
	Submitted	:	No date	
-N		1974-1974		

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	1 · · · ·	
•	AUTHOR:	Belyakov, A. 2-58-6-3/16
•	TITLE:	Registration of Equipment and Machinery (Perepis' oborudovaniya i mashin)
	PERIODICAL:	Vestnik statistiki, 1958, Nr 6, pp 20-31 (USSR)
	ABSTRACT:	An All-Union inventory of industrial equipment and machinery in the Soviet Union is scheduled to begin on August 1, 1958. Its purpose is to record the technical equipment of various branches of the national economy in order to determine the exact number of machines in Soviet industrial enterprises and on construction sites. The inventory was necessary because of the rapid growth
		of the machine stock during the past ten years, owing to the great productivity of the Soviet machine building industry (table on p 21), especially in the fields of machine tools, electric, heavy, transportation and road-building machinery. The inventory will be carried out according to a plan elaborated
		by the TsSU by means of questionnaires which have to be fifted out by each industrial enterprise. By comparing these lists with the results of the former inventory (1938-1947), the sov- narkhozes and local authorities will determine the production correctly of various industries over the period of the 6th
	Card 1/2	Five-Year Plan and decide on the modernizations that might be
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30(5)	SOV/2-59-5-2/10	
AUTHOR :	Belyakov, A.	
TITLE:	To Carry Out a Successful Revaluation of the General Capital Funds	
PERIODICAL:	Vestnik statistiki 1959, Nr 5, pp 25-39 (USSR)	
ABSTRACT: Card 1/3	The author states that from 1913 to 1956, the General Capital Funds of the USSR increased almost 8 times. Included in them are Productive Capital Funds which increased almost 15 times, while Non-productive Ca- pital Funds increased just over 4 times. Industrial and Building Capital Funds increased about 33 times. Such a comparison presumes uniformity of valuation of capital funds carried out at different times and places, of amortization rates and of the stability of prices. The author admits that none of these factors operated in a uniform fashion throughout the given period (1913 to 1959) with the result that some of the capital funds are now undervalued and some are overvalued, in the latter case, because	

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S/002/60/000/010/001/001 C111/C222

AUTHOR: <u>Belyakov, A.</u>
TITLE: Some Results of the New Estimate of <u>Capital Assets</u> of the National Resources of the USSR
PERIODICAL: Vestnik statistiki, 1960, No.10, pp.3-11.
TEXT: These are the results of an inventory and new estimate of the capital assets of the national resources of the USSR according to the state of January 1, 1960. Value of the basic capital reserves of the state and cooperative enterprises 2,001 milliards of Rubels, with kolkhozes 2,438 milliards of Rubels, with private property 2,965 milliards of Rubels. The resources of industry and of the capital building projects are greater by 33 times than in 1929. The resources of the agriculture amount 14% of all capital assets of the resources

of the agriculture amount 14% of all capital discussion of the industry and are grown by 2 times since 1940. The resources of the industry amount 27%, of the transport 12%, of the erection of lodgings 32%, others 15% of all capital assets of the resources. The resources of the industry decompose into: 20% construction of machines, 17% heat economy, 12% electricity economy, 10% metallurgical engineering, 9% food industry, 5% industry of consumption goods, 5% building materials, 6% wood industry. A table gives a survey of the distribution of the Card 1/4

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s/002/60/000/010/001/001 C111/C222

Some Results of the New Estimate of Capital Assets of the National Resources of the USSR

resources according to kind and aim:

	all capital assets of the national resources estimated anew	industrial capits assets of resourc	
totality	100	100	
therefrom:			
ouildings	44.8	27.5	
edifices and transmission			
equipments	26.9	33.7	
notors and equipment	4.2	8.3	
nachines and equipment	13.0	24.2	•
easuring and control devices	9		
laboratory equipment	0.7	0.8	100 A. 1997
neans of transportation	7.5	4.0	
instruments, industrial and			. *
economic inventory	1.0	· 0.8	
thers	1.9	0.7	
Dard 2/4		•	

CIA-RDP86-00513R000204520016-1

s/002/60/000/010/001/001 C111/C222

Some Results of the New Estimate of Capital Assets of the National Resources of the USSR

77% of the capital belongs to the department of the union republics. About 60% of the total resources of the union republics falls to the share of Sovnarkhoze.

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difices and transmission			
equipment	+27		
otors and equipment	- 9		
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eans of transportation	- 8		- <u>-</u>
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S/002/60/000/010/001/001 C111/C222

Some Results of the New Estimate of Capital Assets of the National Resources of the USSR

The new estimate effected a uniform valuation of the capital assets of the national resources corresponding to the values of the present time. The consideration of the wear and tear showed that it is different according to the branches of political economy and ground and districts. The new estimation was carried out during two years. The methodological and organizatoric questions in connection with the estimate were decided together by <u>Ts SU SSR</u>, Gosstroy SSSR, Gosplan SSSR and Ministerstvo finansov <u>SSSR</u>.

Card 4/4

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"APPROVED FOR RELEASE: 06/06/2000 CIA-RDP86-00513R000204520016-1

DELJAAOV, USBR/Scientis	ts - Engineering
Card 1/1	Pub. 77 - 2/22
Authors	Belyakov, A.
Title 1	At the Narva river falls
Periodical :	Nauka i Zhizn' 8, 3-5, Aug 1954
Abstract :	A hydro-electric station project, which is now under the construction, is outlined. The following Soviet scientists who helped to make the project possible, are mentioned: member correspondent of the Acad. of Scs. of the USSR, Frofessor Florin; Doctor of Technical Scs., Professor Chertousov; Doctor of Technical Scs., Professor Zegonda; candidate in Tech. Scs., Bibikov; candidate in Tech. Scs., Okorokov, and many others. Illustrations.
Institution :	
Submitted :	



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OVSYANKIN, V.I., otv.red.; BELYAKOV, A.A., red.; BYLINKIN, N.P., red.;
VLASOV, A.V., red.; GARKIN, Ya.G., red.; LIPATOV, A.P., red.;
RUBANENKO, B.R., red.; SKRAMTATEV, B.G., red.; CHERNOV, T.P., red.; KHOLIN, N.A., red.; UDOD, V.Ta., red.izd-va; OILENSON, P.G., tekhn.red.
[Proceedings of the 5th session of the Academy of Construction and Architecture on problems in introducing industrial building methods, 17-19 December 1959] Trudy V sessii Akademii stroitel'stva i arkhitektury SSSR po voprosem industrializatsii stroitel'stva, 17-19 dekabria 1959 g. Moskva, Gos.izd-vo lif-ry po stroit., arkhit. i stroit.materialan, 1960. 743 p. (MIRA 13:12)
1. Akademiya stroitel'stva i arkhitektury SSSR. 2. Deystrital'nyye chlony Akademii stroitel'stva i arkhitektury SSSR (for Ovsyenkin, Belyakov, Vlasov, Lifatov, Rubanenko, Skramtayev, Chernov, Kholin). (Precest construction)

APPROVED FOR RELEASE: 06/06/2000



BELYAKOV, A.A. Case of brucellar serohemorrhagic synovitis of the knee joint, Ortop., travm.i protes. 20 no.11:80-81 N '59. (MIRA 13:4) 1. Iz onkologicheskogo otdeleniya (zaveduyushchiy - N.P. Silitrin) Respublikanskoy bol'nitsy g. Saranska, Mordovskaya ASSE (glavnyy vrach - V.G. Mirskov). (BRUCELLOSIS compl.) (SYNOVITIS eticl.) (ENEE dis.)

BELYAKOV, A.A.

Results of work of the commission for the selection of the site of the Nurek Hydroelectric Power Station. Gidr. stroi. 30 no.4: 58 Ap '60. (MIRA 1414)

1. Zamestitel' predsedatelya Tekhnicheskogo soveta Ministerstva stroitel'stva elektrostantsiy, predsedatel' komissii po vybory stvora Nurekskoy gidróelektrostantsii, deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR.

(Nurek Hydroelectric Power Station (Proposed))

APPROVED FOR RELEASE: 06/06/2000

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BELYAKOV, A.A.; GOTMAN, T.P., red.; TOROPOV, L.N., red.; BORUMOV, N.I., tekhn. red.

> [Construction of the Novosibirsk hydroelectric development] Opyt stroitel'stva Novosibirskogo gidrouzla. Moskva, Gosenergoizdat, 1962. 203 p. (MIRA 15:12)

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CIA-RDP86-00513R000204520016-1

NOVIKOV, I.T.; NEPOROZHNIY, P.S.; GINZBURG, S.Z.; <u>BELYAKOV, A.A.;</u> ERISTOV, V.S.; VOZNESENSKIY, A.N.; IVANTSOV, N.M.; BOROVOY, A.A.; TERMAN, I.A.; ALEKSANDROV, B.K.; YURINOV, D.M.; NOSOV, R.P.; MIKHAYLOV, A.V.; NICHIPOROVICH, A.A.; ABELEV, A.S.; PROSKURYAKOV, B.V.; MENKEL[†], M.F.; KRITSKIY, S.N.; BELYY, L.D.

> Mikhail Evgen'evich Knorre. Gidr. stroi. 32 no.5: My '62. (MIRA 15:5) (Knorre, Mikhail Evgen'evich, 1876-1962)

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KNORRIHE, G.M., kandidat tekhnicheskikh nank; <u>BELYAKOV</u>, A.A.; KRESLIN'SH, S.K., knshenér; SHERMAZANYAN, Ys.T.; LETBOVICH, J.J. Use of PFv wires. Prom.energ. 11 no.12:22-25 D '56. (MIEA 10:1) 1. Gosudarstvennyy proyektnyy institut Tyashpromelektroproyekt (for Enorring).22 Gor'kovskoye otdeleniye Gosudarstvennogo proyektnogo instituta Elekproproyekt (for Belyakov).3. Energesbyt Latvenergo (for Kreslin'sh). 4. Respublikanskiy proyektnyy institut, Terevan (for Shermazanyan). 5, Trest "Moselektromontash-2" (for Leybovich). (Electric wire, Insulated)

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ZASYAD'KO, A.F.; KUCHERENKO, V.A.; PAVLENKO, A.S.; GRISHMANOV, I.A.; YROLOV, V.S.; SHASHKOV, Z.A.; YKYREMOV, M.T.; SMIRHOV, M.S.; CHIZHOV, D.G.; NOVIKOV, I.T.; NOSOV, R.P.; ASKOCHENSKIY, A.M.; NEKRASOV, A.M.; LAVRENENKO, K.D.; TARASOV, N.Ya.; GABDANK, K.A.; LEVIN, I.A.; GINZBURG, S.Z.; ALEKSANDROV, A.P.; KOMZIN, I.V.; OZEROV, I.N.; SOSNIN, L.A.; BELYAKOV, A.A.; NAYMUSHIN, I.I.; INYUSHIN, M.V.; ACHKASOV, D.I.; RUSSO, G.A.; DROBYSHEV, A.I.; PLATONOV, N.A.; ZHIMERIN, D.G.; PROMYSLOV, V.F.; ERISTOV, V.S.; SAPOZHNIKOV, F.V.; KASATKIN, M.V.; ALEKSANDROV, M.Ya.; KOTILEVSKIY, D.G.

> Fedor Georgievich Loginov; obituary. Elek.sta. 29 no.8:1-2 Ag '58. (MIRA 11:11)

(Loginov, Fedor Georgievich, 1900-1958)

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SUV/94-58-8-9/22 AUTHORS: Belyakov, A. A., Engineer and Zhukov, A. A., Engineer Minimum voltage protective circuits with time delay TITLE: operated by a.c. (Skhemy zashchity minimal'nogo napryazheniya s vyderzhkoy vremeni na peremennom operativnom toke) PERIODICAL: Promyshlennaya Energetika, 1958, Nr 8, pp 21-24 (USSR) ABSTRACT: When operating circuits are converted from d.c. supply with storage batteries to a.c. supply it is minimum voltage protection that gives rise to the greatest difficulties. Several circuits have been developed for this purpose and are briefly described but none of them is quite satisfactory. The Gor'kiy Division of the State Planning Institute Elektroproyekt has developed new minimum voltage protective circuits which are much better than previous ones. The special feature of these circuits is the use of one relay type EN-500 connected to two (Fig.1) or three (Fig.2) line voltages through selenium or other rectifiers. A capacitance is connected in parallel with the relay winding so that if one of the transformer fuses blow the voltage on the relay is almost unaltered. If the circuit of Fig.l is used the voltage on the relay is Card 1/3 halved but this difficulty is overcome by the circuit of

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