SHOR, YA.A.

O reshenii arifmeticheskikh zadach. Posobie dlia uchitelei ped. uchilishch (Solving arithmetic problems; textbook for teachers of pedagogical institutes). 2-e pererabot. izd. Moskva, Uchpedgiz, 1953. 100 p.

S): Monthly List of Russian Accessions, Vol. 7, No. 5, August 1954

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8



APPROVED FOR RELEASE: 08/09/2001

Contraction of the second second

CIA-RDP86-00513R001549910004-8

and the set and a set in the statement of the

IGNAT'YEV, V.A.; IGNAT'YEV, N.I.; SHOR, Ya.A.; BORISOV, A.A., redaktor; RYBIN, I.V., tekhnicheskiy Federktor

> [Collection of arithmetic problems; a textbook for pedagogical schools] Sbornik zadach po arifmetike; posobie dlia pedagogicheskikh uchilishch. 2-e izd. Moskva, Gcs. uchebno-pidagog. izd-vo Ministerstva prosveshcheniia RSFSR, 1954. 375 p. (MLRA 8:7) (Arithmetic--Problems, exercise, etc.)

APPROVED FOR RELEASE: 08/09/2001

SHOR, Yakov, Aleksandrovich; PAZEL'SKIY, S.V., redaktor; SIDOROVA, L.A., redaktor, RIBIN, M.V., tekhnicheskiy redaktor.

[Solving arithmetic problems; manual for teachers in pedagogical schools] O reshenii arifmeticheskikh zadach; posobie dlia uchitelei pedagogocheskikh uchilishch. Izd. 3-e. Moskva, Gos. uchebnopedagog. izd-vo Ministerstva prosveshcheniia RSFSR, 1955. 105 p. (Arithmetic--Study and teaching) (MLRA 9:4)

APPROVED FOR RELEASE: 08/09/2001

SHOR, Ya.

Popularization of an outstanding achievement "Teaching mathematics in 5-7 classes." Stratilatov, P.V., ed. Reviewed by IA.A. Snor. Mat. v shkole no.1:75-78 Ja-F '55. (MIRA 8:2) (Mathematics-Study and teaching)(Stratilatov, P.V.)

A ALCOHOL MORE AREA TO

APPROVED FOR RELEASE: 08/09/2001

ある日本語を見ていたない。 日本語 日本語 中国語 日本語 一日本語

CIA-RDP86-00513R001549910004-8"

CIA-RDP86-00513R001549910004-8



APPROVED FOR RELEASE: 08/09/2001



CIA-RDP86-00513R001549910004-8



APPROVED FOR RELEASE: 08/09/2001



CIA-RDP86-00513R001549910004-8



APPROVED FOR RELEASE: 08/09/2001





"APPROVED FOR RELEASE: 08/09/2001



APPROVED FOR RELEASE: 08/09/2001

newernesserver i nenwerse

FOLOVKE, Annielty Elkneylogic, BHOR, TalB., askir tekona raad retsonzent; SCBCLAN, DrY., Fad.

[Fundamentals of the theory of reliable ty] samety is the nudezhr still looking, Notka, 3900. Liep. [Nikk is y]



CIA-RDP86-00513R001549910004-8

CHUYEV, Yu.V., acktor tekhn. nauk, prof.; MEL'NIKOV, P.M.; FETUKHOV, S.I.; STAPANOV, G.F.; SHOR, Ya.B.; KUZ'MIN, V.I.; BOGOLYUESKIY, V.S.; IVANUSHKO, N.D., red.

> [Frinciples of operations research in military technology] Osnovy issledovaniia operatsii v voennoi tekhnike. Moskva, Sovetskoe radio, 1965. 591 p. (MIRA 18:10)

APPROVED FOR RELEASE: 08/09/2001









		-
(A) L 27317-50	6	
ACC NR: AM6003226	Monograph	UR/
Chuvev. Yu. V.; M	el'nikov, P. M.; Petukhov, S. I.; Stepano	v. G. F.; 34
510L, 14, D.		LJT/
(Osnovy issle Izd-vo "Sover	investigation of operations in military dovaniya operatsiy v voyennoy tekhnike) k skoye radio," 1965. 591 p. illus., bibli	
6000 copies p	rinted.	
TOPIC TAGS: oper engineering,	ations research, military operation, mil: weapon test, antiaircraft defense system	Ltary -
military oper a variety of reviewed. An teristics in also contains matical optim	AGE: This book is intended for engineer ations research. The reliability and ef- products of military technology are crit- alytical methods used in evaluating these diverse combat situations are presented. information on the classical and the la- ization methods used in solving militar ecial attention is given to statistical g computers. The text is illustrated by	ically e charac- The book test mathe- y engineering combat
	UDC: 51	9.8
Card 1/3	, UDC: J1	/

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001549910004-8"

	- 27、第4名は18世界が発展するのでは、19		·	- 36
L 27317.66				
CC NR: AM6003226			0	
ABLE OF CONTENTS:				
oreword 3				
ntroduction 7				
h. I. Some characteristics of a	and the second			
h. II. The statistical testing operations research 118		1 · · · · · · · · · · · · · · · · · · ·		
ch. III. An estimate of firing e armament 203	efficiency of a discret	e piece () f	
Ch. IV. Using methods of the gen operations research problems	ZJJ	n solvin	B	
Ch. V. Mathematical optimization	ns methods 313			
Ch. VI. Some optimization metho				
Ch. VII. Analytical combat rese	arch methods 431			
Card 2/3		منتقوم والتمسينية		
- A state of the state of th				

ACC NR: AM60032			n aomhat	511		0	
Ch. VIII. Stat Appendix 566		deling or	a compat				
Bibliography					神保持		
Subject index -	. * .						
SUB CODE: 15/		2: 18Sep6	5/ ORIG	REF: 089	OTH REF:	051	
•							
	10						
	• •						
0					· ·		

	<u> 7 4 - 1885</u>
L 32694-66 = EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(1)	
<u>L 32694-66</u> EWT(d)/EWP(V)/EWP(R)/2M (2)/ ACC NR: $AP6016276$ (A) SOURCE CODE: UR/0122/66/000/001/0013/0018	
AUTHORS: <u>Kugel', R. V.</u> (Doctor of technical sciences); <u>Shor, Ya. B.</u> (Doctor of technical sciences)	
ORG: none	
TITLE: Problems of the classification of the failures of machines and their elements	
SOURCE: Vestnik mashinostroyeniya, no. 1, 1966, 13-18	•
TOPIC TAGS: material failure, mechanical failure, reliability, reliability theory, probability	-
ABSTRACT: Failures which occur under normal operating conditions are classified, using thirteen groups indicated by number: 1) conditions of appearance of failure; 2) reasons; 3) possibility of subsequent use of part; 4) nature of change of param- eters of part; 5) presence of external phenomena; 6) interrelationship between failures and elements of part; 7) aftereffects; 8) method of elimination; 9) com- failures and elements of part; 7) frequency of appearance; 11) possibilities of prediction;	
plexity of elimination; 10) frequency of appointed appointed. Various types of failures 12) origin; 13) possibility of elimination of causes. Various types of failures are examined. It is concluded that analysis of machine failures during operation	
jective representation of the following, art. has: 1 table, 3 formulas, and 1 graph. creasing it to be developed. Orig. art. has: 1 table, 3 formulas, and 1 graph. SUB CODE: 13, 14/ SUBM DATE: none/ ORIG REF: 003 UDC: 621,004,6	
Cord 1/1 BLC	

得到我们





APPROVED FOR RELEASE: 08/09/2001

SHOR, Ye.

Contraction of the local data

Establishing work norms for office workers performing simple work. Biul. nauch. inform.: trud i zar. plata 4 no.3:71-75 161. (MIRA 14:3) (United States-Office practice-Production standards) (United States-Time study)

APPROVED FOR RELEASE: 08/09/2001



BARSANOV, G.P.; KuUGLOVA, N.A.; AGAMIRZYANTS, M.S.; SHOR, Ye.N., [translator]
[A.E.Fersman Mineralogical Museum; a brief guidebook] Mineralogicheskii muzei im. A.E.Fersmana; kratkii putevoditel'. Moskva, 1957. 36 p. (MIRA 18:8)
l. Akademiya nauk SSSR.

APPROVED FOR RELEASE: 08/09/2001



CIA-RDP86-00513R001549910004-8



APPROVED FOR RELEASE: 08/09/2001



CIA-RDP86-00513R001549910004-8



APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8





计数据 化过去分词 化过度性磷酸钙

CIA-RDP86-00513R001549910004-8

8011.9 3/121/60/000/01/01/001 25.2.00 Akhmechet, L.S., Blokh, O.I., Shorgin, V.S. AUTHORS: Magnetostriction Drive of Microfeeds TITLE: PERIODICAL: Stanki i instrument, 1960, Nr 1, pp 18 - 20 The authors point out that the machining accuracy of parts depends to a great extent on the possibility of very small displacements of tools and TEXT: blanks. Small feeds make it even possible to correct the setting of tools in order to compensate for the wear. With the aid of magnetostriction a microfeed drive is obtained which ensures stable minor displacements of tools and blanks. The principal layout of the device, based on the change in the length of a ferromagnetic nickel rod in direction of the induced magnetization, is shown in Figure 1. A description of the magnetostriction drive (magnetostrictor) is given. By using microfeed drive it is possible to effect a successive displacement of the movable parts of the machine tool during an automatic operation cycle. The minimum feed necessary for such a displacement corresponds to the magnetostrictive elongation of the nickel rod during one cycle of magnetization, while the total displacement of the movable machine tool part during repeated cycles of magnetization is limited only by the free length of the rod. The operational characteristic Card 1/4

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8

80119

Magnetostriction Drive of Microfeeds

S/121/60/000/01/01/001

of the magnetostriction drive is determined by the following functions: 1) the variation in magnitude of magnetostrictive elongation due to different physical-chemical properties of the rod material and variations in magnetization of the coil field; 2) the effect of the resisting force on the magnitude of microfeed. Figure 2 shows the ratio of relative magnetostrictive elongation $\lambda = \frac{\Lambda l_m}{r}$ for various materials.

The authors state that the limiting values of relative elongation of various ferromagnetic materials can be increased by a suitable thermal or mechanical treatment of the rod blanks. The operative qualities of the magnetostriction drive with nickel rod were analyzed on a special device (Figure 3a) which was designed and constructed at the <u>Odessa SKE-3 Laboratory</u>. The electric circuit of the device is shown in Figure 3b. Lever-type microgages (with graduation values of 0.001 mm) were used as measuring instruments, recording the motion of the rod. Besides, armature of electroinductive pick-ups, connected to the phase-sensitive circuit, were in contact with the two faces of the rod. Figure 4 shows the function characterizing the variation in magnitude of magnetostrictive elongation when the magnetization of the coil field is varied, in the case of absence of axial resisting forces. The effect of the force Q, gripping the magnetostrictor rod during the feed action, is illustrated by a graph shown in Figure 5. It is evident from the Graph that,

Card 2/4

APPROVED FOR RELEASE: 08/09/2001
CIA-RDP86-00513R001549910004-8

80119

s/121/60/000/01/01/001

Magnetostriction Drive of Microfeeds

if the resisting forces are increased, the magnetostrictive elongation of the rod is reduced according to a law approaching that of linearity. The authors emphasize that an important operative characteristic of the machine tool is the stability of the microfeed. Repeated measurements of rod elongation at different intensities of the magnetic field and duration of cycle (Figure 6) showed that the limit of errors of microfeed does not exceed 10%, while the average magnitude of error of some displacements amounted to approximately 2 - 3%. Figure 7 shows an oscillograph recording of the microfeed process. As a result of their investigations the authors draw the following conclusions: 1) At a constant load Q, generated by the forces resisting to the feed, it is necessary to select the cross-section of the nickel rod in such a way that the rated stress in it should not exceed $\sigma = 3 \div 4 \text{ kg/mm}^2$. In this case that load does not lead to substantial variations of the magnetostrictive effect, and the feed magnitude during each cycle is determined by the field intensity of the coil; 2) if during the operation of the feed mechanism variable resisting forces possibly arise, the variable component of the rated compressive stress of the rod should be less than 0.5 kg/mm²; 3) the magnetizing coil should ensure a

Card 3/4

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8



APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8



APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8

HERGEIN, F. P.

ومقرقيه مسواب أأست بجروه أتركيني مروريهم ومتصور ويربي

<u>Shoregin, P. F.</u>, The influence of intermolecular interaction on the spectrum of combination dispersion of light. F. 873

The limitations of the explanations for the influence of intermolecular interaction upon the vibrating frequencies as given by Buchhein and other authors who have studied inductive interaction are pointed out. The real shift of bands is due to several causes, the most important being the electric anharmony of the vibrations $\left(\frac{d^2 f}{d G^2}\right)$ in the presence of predominating orientations of dipoles, deformation of polar molecules in the field of adjacent polar molecules and the interaction of vibrations of simil r lipoles. It is shown that in polar liquids one can observe incongruity between the frequencies of the bands in the dispersion spectra and the absorption spectra.

The L. Ia. Kirpov Inst. of Physical Chemistry, Moscow Oct. 25, 1948

SO: Journal of Physical She istry (USSR) 23, No. 8 (1949)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8

SHORICIN, A.A.

A. A. Shoritin, G. G. Abrikosov, N. A. Berezina, Z. S. Bronatein, N. S. Gagevskaya, V. I. Zatzepin, N. N. Kondakov, I. I. Meyer, V. I. Olifan, P. I. Usatchev, Z. A. Filatova, T. F. Chitchapova, Z. G. Shchedrin, V. A. Jashov co-authors of the book "Definitions - Fauna and Flora of Northern Seas in USSR edited by Prof. N. S. Gayevski, and approved by the Ministry of USSR Higher Education as a manual for universities. Stat Publishing "SOVINT SUIENCE", Mescov - 1948.

so: 🗰 654015

APPROVED FOR RELEASE: 08/09/2001

- SHORIGINA, N. N. 1.
- 2. USSR (600)
- 4. Wood -- Chemistry
- 7. Valuable work ("Chemistry of wood." N.L. Niktin. Reviewed by N. N. Shorigina). Bum. Prom. 27 No. 8, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassfied.

The second state to share a branch state of the second state of the

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001549910004-8"

तक स्टब्स संचय

- - 5 T PA &

1.11

いいめいがたい

Chlorination of hydrolyt: My-Je '53.	ic lignin. Izv.AN SSSR Otd.khim	.neuk no.3:562-566 (MLRA 6:8)
1. Institut organichesko	y khimii Akademii nauk SSSR.	(Lignin)

CIA-RDP86-00513R001549910004-8



APPROVED FOR RELEASE: 08/09/2001

APPROVED FOR RELEASE: 08/09/2001

	terre a series de la companya de la	an an an taon an taon an an taon an an taon an		The second s
			137-58	-6-11678
Tran	slation from: Refer	atıvnyy zhurnal, Met	allurgiya, 1958, Nr 6,	p 65 (USSR)
AUT	HORS Glinkov, M	.A., Men'shikov, R.	I., Morozov, V.A., Sho	rin, A.F.
TITL	Used to Int martenovs	ensify the Combustio	hearth Furnace When O n Process (Teplovaya n enii kisloroda dlya inte	rabota
PER		rimenenıye kıslorodı gizdat, 1957, pp 95-	a v metallurgii. Moscov 114	<i>N</i> ,
ABS7 Card	of O into th duct into a the oxygen input is 33. inal consum ment and a ures were, heats. Rat thermal str	e flame jet through a 200-t furnace at the enrichment of the au 2 mill. kcal/hr, outp ption of fuel dropped maximum heat input respectively, 61.0 a os for output and univers ess and degree of en	investigation on the intra i tuyere from the sides "Zaporozhstal'" Works r is 25% and the maxim out rose by 32.2% and the d by 16.8%. With 30% en of 33.4 mill. kcal/hr, and 35.0% of those of no at fuel consumption to a prichment of the air by e examined: the condit	of the s. When um heat ne nom- mrich- the fig- n-oxygen verage O ₂ are
	รัสสมมัก 200 การเรา การเกมร์ เ	เสราะสาราสาราสาราสาราสารา		



APPROVED FOR RELEASE: 08/09/2001

"APPROVED FOR RELEASE: 08/09/2001 CIA-RDP8

CIA-RDP86-00513R001549910004-8



APPROVED FOR RELEASE: 08/09/2001

SOV/133-59-6-13/41 Thermal Performance of an Open Hearth Furnace when Blowing Oxygen or Oxygen Water Mixture into the Bath and temperatures of the roof (magnesite chromite) and the top of the air regenerators (upper layers forsterite bricks). In some moments of the heats the thermal load was limited by draught capacity of the

> furnace. The oxygen supply to flame was cut off during blowing period in order to economise oxygen. The experimental results obtained are shown in Figures 1 - 8. It was found that: 1) Due to an acceleration of decarburisation of metal and an intensification of the evolution of CO from the bath, thermal load during blowing is considerably decreased. Correspondingly the mean thermal load for the whole decarburisation period (from charging of hot iron to the end of blowing) also decreases. 2) When the blowing is started at an optimal moment, the course of heat in the thermotechnological sense substantially differs from the usual one for the open hearth process. Under experimental conditions the mean thermal load during blowing was decreasing to 14 million cal/hr, whereupon

Card 2/6

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8"

ويودوه بؤبيا الأربيبة ومرتبست والأرداب والمتحاط والوبيا الأثبيا الواقعيا والارتباط الم

والمتحد والمتحد والمتحد والمتحد والمحمد والمحمول والمحمول والمحمول والمحمول والمحمول والمحمول والمحمول والمحمو

CIA-RDP86-00513R001549910004-8

SOV/133-59-6-13/41 Thermal Performance of an Open Hearth Furnace when Blowing Oxygen or Oxygen Water Mixture into the Bath

> during 30 - 40 minutes it actually amounted to 5 - 6 mil cal/hr and during 15 - 20 minutes of the most violent evolution of CO from the bath, the supply of fuel was completely stopped. 3) The mean thermal load for the whole decarburising period (from charging hot iron to end of blowing) was actually determined by the proportion of the period taken for blowing, the earlier the blowing was started, the lower was the mean thermal load for this period. 4) The absorption of heat by the bath (per unit of time) and the coefficient of the utilisation of the furnace working space increases during blowing. On average during blowing as well as during the decarburisation period the above factors were higher the earlier blowing was started. 5) The period of decarburisation decreases more, the earlier blowing is started, whereupon the rate of decrease of the decarburising period increases faster than the rate of increase of the rate of heat absorption by the bath. Therefore, if blowing was started too early, the metal remains

Card 3/6

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8

sov/133-59-6-13/41

Thermal Performance of an Open Hearth Furnace when Blowing Oxygen or Oxygen Water Mixture into the Bath

> insufficiently heated when the blowing is finished and it is necessary to heat it further under inconvenient conditions of decarburised bath. A rational relationship of the duration of the decarburising period and intensity of heating up metal will be obtained only if the blowing is started at an optimal moment, as only then will the maximum thermotechnical effect be obtained. Under experimental conditions, the average specific consumption of conventional fuel for heats in which the blowing was started at the optimum moment decreased to 87 kg/t(with specific consumption of oxygen 37 m^3/t , including 22 m³/ton added to flame before starting 6) On the addition of water to the stream blowing). of oxygen for the prevention of excessive fuming, the abovementioned relationship remains valid. However, as a proportion of heat is consumed for the evaporation of water and heating up of the steam formed to a

Card 4/6

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8

SOV/133-59-6-13/41 Thermal Performance of an Open Hearth Furnace when Blowing Oxygen or Oxygen Water Mixture into the Bath temperature of the products of combustion, the decarburisation process proceeds less intensively and the heat absorption by the bath and the thermal coefficient of utilisation of the furnace working volume are lower than on blowing oxygen alone. The minimum average specific fuel consumption for heats in which the blowing with the oxygen-water mixture was commenced at the optimum moment for the experimental condition amounted to 107 kg/ton for the whole heat (at the same oxygen consumption as on blowing oxygen alone), 7) In the course of heats with blowing oxygen

or oxygen water mixture, the temperature conditions of the furnace lining do not differ materially from ordinary heats, providing the thermal load is controlled according to the intensity of the evolution of carbon monoxide from the bath and normal conditions of normal combustion in the working volume are maintained. A high velocity of the processes taking place during blowing requires continuous watching of the thermal conditions of the heat (an appropriate automation of

Card 5/6

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8

とないのないないがい いい ダイーボール・アフト・ワー

sov/133-59-6-13/41 Thermal Performance of an Open Hearth Furnace when Blowing Oxygen or Oxygen Water Mixture into the Bath the control of this process is necessary). 8) Under the experimental conditions the optimum moment for the beginning of blowing was found to be between 60 and 80 minutes after the beginning of charging of liquid iron. The optimum moment can be shifted nearer to the time of charging liquid iron, by decreasing the proportion of the cold component of the charge. However, the advisability of such a measure should be determined under the actual conditions of the economy of the process as a whole. There are 8 figures and 4 Soviet references. ASSOCIATION: Tsentroenergochermet i Moskovskiy institut stali (Tsentroenergochermet and Moscow Institute of Steel) Card 6/6

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8



APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8



APPROVED FOR RELEASE: 08/09/2001

· 这个管理编辑的影响中的学校和学校的学校。

.....

PHASE I POOK EXPLOITATION SOV/4354	
Snorin, Alexsey Ivanovich, and Vasilly Mikneylovich Starostin	
Proizvodstvo spiral'nogo metallorezhushchego instrumenta metodom skruchivaniya dvukh metallov (The Manufacture of Helical Metal-Cutting Tools by Twisting Two Metals [Together] Moscow, Mashgiz, 1960. 54 p. 4,500 copies printed.	
Reviewer: G. V. Podgurskiy; Managing Ed. for Literature on Metal- working and Toolmaking: V. V. Rzhavinskiy, Engineer; Ed. of Publishing House: G. I. Baydakov; Tech. Ed.: G. V. Smirnova.	•
PURFOSE: This brochure is intended for designers and process engineers in toolmaking and machine-building plants.	
COVERAGE: Practical experience gained in the design and produc- tion of helical metal-cutting tools (face-milling cutters, end-milling cutters, arbor-type reamers, and others) by hot twisting of two different metals is discussed. This method was developed and applied by the Kolomenskiy teplovozostroitel'- nyy zavod im. Kuybysheva (Kolomna Diesel-Locomotive-Building	
Card 1/4	

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001549910004-8"

ACCESSION NR: AR3010274 S/0081/63/000/012/0037/0037 SOURCE: RZh. Khimiya, Abs. 12B219 AUTHOR: <u>Shorin, A. M.</u> TITLE: Experimental use and measures for increasing the <u>reliability</u> of operation of the "Kristall" electronic computer CITED SOURCE: Vestn. tekhn. i ekon. inform. N1. in-t tekhnekon. issled. Gos. kom-ta Sov. Min. SSSR po khimii, no. 7-8, 1962, 121-123 TOPIC TAGS: crystal structure, x-ray analysis, <u>electron density measurement</u> . M electronic computer, computer design, diode testing FRANSLATION: The author describes an attachment for the testing and "training" of diodes of various types, as well as a series of other organizational and technolo- gical measures permitting a 200% increase in the productivity of the specialized electronic computer "Kristall"; this computer was designed for calculations of the
SOURCE: RZh. Khimiya, Abs. 12B219 AUTHOR: Shorin, A. M. TITLE: Experimental use and measures for increasing the reliability of operation of the "Kristall" electronic computer CITED SOURCE: Vestn. tekhn. i ekon. inform. N1. in-t tekhnekon. issled. Gos. Kom-ta Sov. Min. SSSR po khimii, no. 7-8, 1962, 121-123 TOPIC TAGS: crystal structure, x-ray analysis, electron density measurement. 97 electronic computer, computer design, diode testing TRANSLATION: The author describes an attachment for the testing and "training" of diodes of various types, as well as a series of other organizational and technolo- gical measures permitting a 200% increase in the productivity of the specialized
TITLE: Experimental use and measures for increasing the <u>reliability</u> of operation of the "Kristall" electronic computer CITED SOURCE: Vestn. tekhn. i ekon. inform. N1. in-t tekhnekon. issled. Gos. kom-ta Sov. Min. SSSR po khimii, no. 7-8, 1962, 121-123 TOPIC TAGS: crystal structure, x-ray analysis, <u>electron density measurement</u> . <i>M</i> electronic computer, computer design, diode testing TRANSLATION: The author describes an attachment for the testing and "training" of diodes of various types, as well as a series of other organizational and technolo- gical measures permitting a 200% increase in the productivity of the specialized
CITED SOURCE: Vestn. tekhn. i ekon. inform. N1. in-t tekhnekon. issled. Gos. kom-ta Sov. Min. SSSR po khimii, no. 7-8, 1962, 121-123 TOPIC TAGS: crystal structure, x-ray analysis, <u>electron density measurement</u> . M electronic computer, computer design, diode testing TRANSLATION: The author describes an attachment for the testing and "training" of diodes of various types, as well as a series of other organizational and technolo- gical measures permitting a 200% increase in the productivity of the specialized
TOPIC TAGS: crystal structure, x-ray analysis, <u>electron density measurement</u> . <i>M</i> electronic computer, computer design, diode testing TRANSLATION: The author describes an attachment for the testing and "training" of diodes of various types, as well as a series of other organizational and technolo- gical measures permitting a 200% increase in the productivity of the specialized
TRANSLATION: The author describes an attachment for the testing and "training" of diodes of various types, as well as a series of other organizational and technolo- gical measures permitting a 200% increase in the productivity of the specialized
gical measures permitting a 200% increase in the productivity of the specialized
electron density in the x-ray analysis of crystal structure. O. Starovskiy
SUB CODE: DP, OP ENCL: 00



APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8

CONTRACTORS (CHARLERS)

BULINSKIIY, Vadim Aleksandrovich, professor, doktor tekhnicheskikh nauk; SHORIN, A.M., podpolkovnik, redaktor; KUZ'MIN, I.F., tekhnicheskiy redaktor.

[Dynamics of maneuvering fighter planes in air battle] Dinamika manevrirovaniia samoleta-istrebitelia v vozdushnom boiu. Moskva, Voen. izd-vo M-va obor. SSSR, 1957. 199 p (MLRA 10:6) (Airplanes--Piloting)

APPROVED FOR RELEASE: 08/09/2001

ការអាចការបាន

CIA-RDP86-00513R001549910004-8"

CIA-RDP86-00513R001549910004-8



APPROVED FOR RELEASE: 08/09/2001

STREET, STREET

KUCHEROV, Ivan Kirillovich; MARISOV, Vladimir Illarionovich; SHORIN, A.M., polkovnik, red.; MYASNIKOVA, T.F., tekhn.red. [Guided missiles; according to foreign data] Upravliaemye snariady; po inostrannym dannym. Moskva, Voen.izd-vo M-va obor.SSSR, 1959. 295 p. (MIRA 12:12)

(Guided missiles)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8"

CIA-RDP86-00513R001549910004-8

and the second

NET TARA TA AMAGAMATA

NIKOLAYEV, Mikhail Nikolayevich; SHORIN, A.M., polkovnik, red.; VOLKOVA, V.Ye., tekhn.red. [Anti-missile missiles; based on data from the foreign press] Snariad protiv snariada; po materialam zarubezhnoi pechati. Moskva, Voen.izd-vo M-va obor.SSSR, 1960. 146 p. (Guided missiles) (MIRA 13:12)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8"

ويودينه والمرجع بالمحاد فيحاد الرجيع

TATARCHENKO, Aleksandr Yevgen'yevich; SHORIN, A.M., red.; MYASNIKOVA, T.F., tekhn. red.

> [Ballistic rocket ; according to materials published abroad] Ballisticheskaia raketa; po materialam zarubezhnoi pechati. Moskva, Voen. izd-vo M-va obor. SSSR, 1961. 76 p. (MIRA 14:12) (Rockets (Aeronautics)) (Artificial satellites)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8"

"APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001549910004-8 NIKOLAYEV, Mikhail Nikolayevich; SHORIN, A.M., red.; MYASNIKOVA, T.F., tekhn. red. . [Antimissile missiles; from materials in the foreign press] Raketa protiv rakety; po materialam zarubezhnoi pechati. Izd.2., (Guided missiles)

CIA-RDP86-00513R001549910004-8

化学习学校, 法一次改进分开的

BUBLOV, igor' Elkerayovion; KAM-NIE, Lav Elkelsyevich; SHORIN, Ading red. [Manned space stations] Obitaenye kosmicheskie stantsii. Noskva, Voenizdat, 1964. 188 p. (MIRA 17:9) 目的。通知



CIA-RDP86-00513R001549910004-8



APPROVED FOR RELEASE: 08/09/2001

SHORIN, A.P., inzh.; ZELIKSON, T.I., inzh.

Operational experience of the Moscow Hydrogenation Plant. Masl.-zhir. prom. 23 no.9:33-35 '57. (MIRA 10:12)

1.Mosgidrozavod.

(Hydrcgenation) (Moscow--Oils and fats)

APPROVED FOR RELEASE: 08/09/2001

SHORIN, A.P., inzh. Heat method for unloading fats. Masl.-zhir, prom. 24 no.3:32-37 Real Production of the second s (MIRA 11:4) 158. 1. Moskovskiy gidrogenizatsionnyy zavod. (Oil industries --- Equipment and supplies) (loading and unloading)

"APP	ROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R00154991000	4-8
TICKIN, I		1
USSR/Chemical	Technology. Chamical Products and Their Application Fats and oils. Waxes. Spap. Detargents. Flotation reagents, I-25	
Abst Journal:	Referat Zhur - Khimiya, No 2, 1957, 6397	
Author:	Levit, M. S., Shorin, A. P., Rubtsova, T. V.	
Institution:	None	
Title:	Putting into Practice of Continuous Refining of Fats at the Moscow Margarine Plant	,
Criginal Fublication:	Maslobzhir. pran-st', 1956, No 2, 12-16	
Abstract:	A layout is shown of a unit of the laval Company for a continuous refining of fats and a description is given of the technological conditions of the process as well as of the average expenditure indices computed per 1 ton of refined fat. The disadvantages and the advantageous features of the unit are listed.	
Carā 1/1		

6 . --




S. C. M. T. S.



Dissertation defended at the Institute of Geography for the academic degree of Candidate of Geographical Sciences:

"Oshskiy Intra-oblast Economico-Geographical Rayon."

Vestnik Akad Nauk No. 4, 1963, pp. 119-145

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8"

11

.

76-KIN, 4		
	124-58-9-10641	
Translation	from: Referativnyy zhurnal, Mekhanika, 1958, Nr 9, p 168 (USSR)	
AUTHOR:	Shorin, A.V.	
TITLE:	Multi-specimen Testing Machine for Stress-rupture Testing at Elevated Temperatures (Mnogoobraztsovaya mashina dlya ispytaniy na dlitel'nuyu zharoprochnost')	
PERIODICA	L: V sb.: Issled. po zharoprochn. splavam. Vol 2. Moscow, AN SSSR, 1957, pp 281-284	
	Description of the design of a machine for the concurrent testing for stress rupture behavior in tension of six specimens 5 mm in diameter and 25 mm in length. The greatest load per specimen is 750 kg, the highest test temperature is 960° C. A five-compartment electric furnace rated at 5 kw is employed, in which two compartments are controlled by PNO-250 type regulators. Maintenance of a constant furnace temperature and automatic recording is accomplished by an EPD-12 type electronic potentiometer. It should be noted that fairly sig- nificant temperature differences ($3-5^{\circ}$) obtain between speci- mens during the tests and, in particular, after a cold speci- men has been installed to replace one that has failed ($30-35^{\circ}$)	
	ana	



CIA-RDP86-00513R001549910004-8



APPROVED FOR RELEASE: 08/09/2001



APPROVED FOR RELEASE: 08/09/2001



CIA-RDP86-00513R001549910004-8

TROFIMOVA, V.I., nauchnyy sotr.; SHTEYMAN, R.A., nauchnyy sotr.; GROZNOV, S.R., nauchnyy sotr.; SIDOROVA, L.I., nauchnyy sotr.; DUNTSOVA, V.G.; KAZENOVA, A.R.; PROTOPOPOV, S.I.; SHORIN, G.F., red.; LOBANOV, D.I., red.; MOLCHANOV, O.P., red.; MARTYNOVA, Ye.G., red.; SIDOROV, V.A., red.; TIMATKOV, V.D., red.: VAGANOVA, N.A., red.; BABIGEVA, V.V., tekhn. red.

[Collected recipes of dishes for workers and statements] retseptur bliud dlia pitaniia rabochikh i studentov. 2. perer.,dop. izd. Moskva, Gos.izd-vo torg.lit-ry, 1961. 491 p. (MIRA 15:1)

1. Russia (1917- R.S.F.S.R.) Ministerstvo torgovli. 2. Nauchnoissledovatel'skiy institut torgovli i obshchestvennogo pitaniya (for Trofimova, Shteyman, Groznov, Sidorova). 3. Upravlaniye obshchestvennogo pitaniya Ministerstva torgovli RSFSR (for Duntsova, Kazenova). 4. Glavnyy kulinar Upravleniya obshchestvennogo pitaniya Ministerstva torgovli RSFSR (for Protopopov). (Cookery)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8

MIKHAYLOV, D.V., inzh., red.; FUTORYAN, S.B., kand. tekhn. nauk, red.; SHORIN, I.M., inzh., red.; BARYKOVA, G.I., red. izd-va; GKRASIMOVA, Ye.S., tekhn. red.

[Gutting with mineral-ceramic tools; turning and milling] Rezhimy rezaniia mineralokeramicheskimi instrumentami; tochenie i frezerovanie. Moskva, Gos. nauchno-tekh. izd-vo mashinostroit. lit-ry. 1958. 49 p. (MIRA 11:10)

1. Russia (1923- U.S.S.R.) Glavniiproyekt. Nauchno-issledovatel'skoye byuro tekhnicheskikh normativov. 2. Nachal'nik sektora nauchnoissledovatel'skogo byuro tekhnicheskikh normativov (for Mikhaylov). (Metal cutting)

APPROVED FOR RELEASE: 08/09/2001







CIA-RDP86-00513R001549910004-8

Sherin, K. n.

PARTICLE ACCELERATORS: SYNCHROTRON

"Universal Parameter for Measuring the Magnetic Field of a Synchrotron" by V.N. Kannunnikov and K.N. Shorin, Physics Institute imeni P.N. Lebedev, Academy of Sciences USSR, Pribory i Tekhnika Eksperimenta, No 3, November-December 1956, pp 22-25.

Description of a scheme employing an electronic switch with low resistance in the closed state that permits measurements of the magnetic field in a synchrotron with an accuracy not less than 1% in the range of 1500--12,00 oersted. Reference is made to an article by Elewett, Rogers, and Swartz (Review of Scientific Instruments, 1953, 24, 732-788).

Card 1/1

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8

sov/120-58-4-5/30

AUTHORS: Shorin, K.N., Metal'nikov, Yu.N., Bozin, G.M., Yeremin, L.V.

1 Instruments in Making ng remailoy core in finite instruments in Making Magnetic Measurements in Accelerators (Primeneniye permal-TITLE: Using Permailoy Core loyevykh datchikov pri magnitnykh izmereniyakh v uskoritelyakh)

- PERIODICAL: Pribory 1 tekhnika eksperimenta, 1958, Nr 4, pp 25-29 (USSR)
- ABSTRACT: Permalloy elements have large sensitivity in the range O to a few hundred oersted. They may be used to construct apparatus having sensitivities in the order of 10^{-5} to 10^{-5} oersted or better in the case of static fields, i.e. fields which do not change with time. In measuring non-uniform magnetic fields which vary with time, a permalloy come moving coil instrument will give rise to an error associated with the hysterisis of permalloy and the dependence of the field, due to transients in the core, on the rate of change of the field with time. A method is described in the present paper whereby this error may be eliminated automatically. The magnetometer which has been constructed using may be used

Card 1/2

₩1,51-

nen geteggeleggelegningen versteligt sjelen en in h

measure both static and dynamic magnetic fields in accelera- tors in the range 0-60 oersted. The sensitivity of the instrument is (2-3)10 ⁻² inthisrangs. The instrument can be used to measure distortions in the mean magnetic plane in synchro trons. The compensation circuit which eliminates the above error is shown in Fig.2 and the complete electronic circuit used is shown in Fig.6. The moving off instrumentized f billstrate in Fig.3. V.A.Petukhov, M.S.Rabinovich and V.Ye.Pisarev are thanked for their help. There are 8 figures and 1 English reference.	tors in the range 0-60 persted. The sensitivity of the instrument is (2-3)10 ⁻⁹ inthsrange. The instrument can be used to measure distortions in the mean magnetic plane in synchro trons. The compensation circuit which eliminates the above error is shown in Fig.2 and the complete electronic circuit used is shown in Fig.6. The moving off instrumentitself b illustrate in Fig.3. V.A.Petukhov, M.S.Rabinovich and V.Ye.Pisarev are thanked for their help. There are 8 figures and 1 English reference. ASSOCIATION: Fizicheskiy institut AN SSSR (Institute of Physics, Academy of Sciences, USSR)	measure both static and dynamic magnetic fields in accelera- tors in the range 0-60 oersted. The sensitivity of the instrument is (2-3)10 ⁻⁹ inths range. The instrument can be used to measure distortions in the mean magnetic plane in synchro trons. The compensation circuit which eliminates the above error is shown in Fig.2 and the complete electronic circuit used is shown in Fig.6. The moving off: instrument itself is illustrate in Fig.3. V.A.Petukhov, M.S.Rabinovich and V.Ye.Pisarev are thanked for their help. There are 8 figures and 1 English reference.			
tors in the range 0-60 persted. The sensitivity of the instrument is (2-3)10-2inthisrang. The instrument can be used to measure distortions in the mean magnetic plane in synchro trons. The compensation circuit which eliminates the above error is shown in Fig.2 and the complete electronic circuit used is shown in Fig.6. The moving off instrumentized f billustrate in Fig.3. V.A.Petukhov, M.S.Rabinovich and V.Ye.Pisarev are thanked for their help. There are 8 figures and 1 English reference. SSOCIATION: Fizicheskiy institut AN SSSR (Institute of Physics,	tors in the range 0-60 persted. The sensitivity of the instrument is (2-3)10 ⁻⁹ inthsrange. The instrument can be used to measure distortions in the mean magnetic plane in synchro trons. The compensation circuit which eliminates the above error is shown in Fig.2 and the complete electronic circuit used is shown in Fig.6. The moving off instrumentitself b illustrate in Fig.3. V.A.Petukhov, M.S.Rabinovich and V.Ye.Pisarev are thanked for their help. There are 8 figures and 1 English reference. ASSOCIATION: Fizicheskiy institut AN SSSR (Institute of Physics, Academy of Sciences, USSR)	tors in the range 0-60 persted. The sensitivity of the instrument is (2-3)10 ⁻⁹ inthsrange. The instrument can be used to measure distortions in the mean magnetic plane in synchro trons. The compensation circuit which eliminates the above error is shown in Fig.2 and the complete electronic circuit used is shown in Fig.6. The moving off instrumentitself b illustrate in Fig.3. V.A.Petukhov, M.S.Rabinovich and V.Ye.Pisarev are thanked for their help. There are 8 figures and 1 English reference. ASSOCIATION: Fizicheskiy institut AN SSSR (Institute of Physics, Academy of Sciences, USSR)	Using Permalion	y Core Instruments in Making Magnetic Measurements in	Accelerators
Academy of Scrences, Observ	SUBMITTED: October 27, 1957.	SUBMITTED: October 27, 1957.	tors inst to m tron erro used in F than refe ASSOCTATION:	in the range 0-60 oersted. The sensitivity rument is (2-3)10 ⁻³ inthis range. The instrumen easure distortions in the mean magnetic pla s. The compensation circuit which eliminat r is shown in Fig.2 and the complete electr is shown in Fig.6. The moving off: instrumentity ig.3. V.A.Petukhov, M.S.Rabinovich and V.Y ked for their help. There are 8 figures an rence. Fizicheskiy institut AN SSSR (Institute o	y of the t can be used ne in synchro es the above conic circuit celf b ilustrate e.Pisarev are d l English
			Card 2/2		

CIA-RDP86-00513R001549910004-8



CIA-RDP86-00513R001549910004-8

s/908/52/000/000/001/008 B163/B180 Bozin, G. M., Yeremin, L. V., Metal'nikov, Yu. N., ATTTHORS: Pisarev, V. Ye., Shorin, K. N. Magnet and magnetic field characteristics of the 680 Mev TITLE: accelerator Uskoritel' elektronov na 680 Mev; sbornik statey. Ed. by SOURCE: Z. D. Andreyenko. Moscow, Gosatomizdat, 1962, 5-23 TEXT: The weak-focusing 680 Mev synchrotron of the Fizicheskiy institut im. P.N. Lebedeva Akademii nauk SSSR (Physics Institute imeni P.N.Lebedev of the Academy of Sciences USSR) is based on the 180 Mev proton accelerator which was the model for the big Dubna 10 Bev proton-synchrotron accelerator. The electromagnets, power system and certain other parts were taken from this model. Average orbit radius in the 4 sectors is 2 meters, the length of each of the 4 rectilinear sections 67 cm, pole width 36 cm, gap width at equilibrium orbit 12 cm, and angle of the circular sectors 86'. The magnetic pulse in the gap is almost triangular in shape, with an amplitude of 11,500 oe (current amplitude 950 a) and build-up time Card 1/3

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8

s/908/62/000/000/001/008

NUMBER OF STREET, STREE

B163/B180

Magnet and magnetic field ...

0.68 sec. The initial growth rate of the magnetic field strength is 20,000 oe/sec. The following modifications were made to the power system for operation with electrons: 1) a demagnetization device was fitted, creating an opposite current pulse in the main windings in between the working cycles, to reduce the remanence field to about 2 oe, 2) a magnetizing arrangement was added, to create a negative field of 35 oe in the gap before the beginning of the cycle, (this helps to finish all transition processes in the magnet and the power system before the moment of the injection), 3) a stabilization circuit was added for the initial voltage at the magnet windings, to fix the initial growth rate of the magnetic field with an accuracy of 0.5%, thus stabilizing the influence of eddy currents on the magnetic characteristics at the injection. The injection energy is 800 kev, and the initial field 20 oe on average the field index is 0.66-0.68. The influence of deviations of the real from the ideal magnetic field on the corresponding orbital deviations from the ideal orbit, is studied by perturbation calculations in a linear approximation, and it is estimated that the greatest deviations from the equilibrium orbit in axial and radial direction are less than 5 cm. Magnetic field distribution was measured on an improved permalloy pickup for field

Card 2/3

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8

5. J.的名称"Charles Fill Carlow Providence of the State of

Magnet and magnetic field ... \$/908/62/000/000/001/008 strengths up to 100 oe, and also by the inductive-method, using a ballistic B163/B180. galvanometer or electron integrator, for field strengths above 300 oe. Figures show the magnetic setup, field distribution and equilibrium orbits along the racetrack with and without field compensation, and the distribution of the field index over the radial coordinate for various states of compensation and various field strengths, and the arrangement of compensation coils. The deviations of the magnetic median surface from the middle-gap plane are also compensated by special windings, so as not Card 3/3

APPROVED FOR RELEASE: 08/09/2001

• 1. 1. 1. •

1993(79)

	S/908/62/000/002/008 B163/B180	
AUTHORS :	Gryaznov, A. I., Novikova, G. V., Shorin, K. N.	
TITLE :	Power supply system for the electromagnet of the 680 Mev accelerator	
SOURCE:	Uskoritel' elektronov na 680 Mev; sbornik statey. Ed. by Z. D. Andreyenko. Moscow, Gosatomizdat, 1962. 24-30	
merve. The r	mentor wood for the 180 Mey proton synchrotron was	
completely r respect to the accelera introduced, of the accel before the from 50 to ignitron re	hower system used for the 180 Mev proton synchrotron was nodernized for operation with electrons, especially with the weak magnetic field characteristics at the beginning of ation cycle. A suitably adapted demagnetization device was the voltage across the magnet windings in the first period leration cycle was stabilized, and a negative field created working cycle. This reduced the residual field in the gap 2 oe. The working pulse was supplied from a controllable ctifier fed from a synchronous generator calculated for an er of 3000 kw. The generator voltage is controlled by a Mounted on the same shaft are a 1400 kw asynchronous motor,	

CIA-RDP86-00513R001549910004-8

SPRINGERS POTENTIAL STATE PARTS IN STATE

Power supply system for the ... S/908/62/000/002/008 B163/B180 a 4 ton flywheel for smoothing out power fluctuations, and a synchronous generator for supplying the control circuits. The field windings of the synchronous generators are fed from two autonomous generators comounted with another, 135 kw asynchronous motor and a sub-exciter. Four phase shifters regulate the pulses controlling the ignitron rectifier. A block-diagram of the power system, and circuit diagrams of the ignitron rectifier, demagnetizing arrangement, negative magnetic field system, and initial voltage stabilization are given. There are 5 figures.

APPROVED FOR RELEASE: 08/09/2001

"APPROVED FOR RELEASE: 08/09/2001

3,21,22,22,2

GOL'DIN, L.L.; SKACHKOV, S.V.; SHORIN, K.N.; PODOSHVINA, V.A., red.; VLASOVA, N.A., tekhn. red.

[Magnetic measurements in charged particle accelerators] Magnitnye izmereniia v uskoriteliakh zariazhennykh chastits. Moskva, Gosatomizdat, 1962. 55 p. (15:4) (Particle accelerators) (Magnetic measurements)

APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8



CIA-RDP86-00513R001549910004-8



APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8



APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001549910004-8



APPROVED FOR RELEASE: 08/09/2001

$\frac{1.8585-65}{Pz-6/Fo-4/Fab-24/Ft-10/F1-4} = \frac{1.8585-65}{Pz-6/Fo-4/Fab-24/Ft-10/F1-4} = \frac{1.22}{Pz-6/Fo-4/Fab-24/Ft-10/F1-4} = \frac{1.22}{Pz-6/Fo-4/Fab-24/Ft-10/F1-4} = \frac{1.22}{Pz-6/Fo-4/Fab-24/Ft-10/F1-4} = \frac{1.22}{Pz-6/Fo-4/Fab-24/Ft-10/F1-4} = \frac{1.22}{Pz-6/Fo-4/Fab-24/Ft-10/F1-4} = \frac{1.22}{Pz-6/Ft-10/F1-4} = \frac{1.22}{Pz-6/Ft-10/Ft-10/Ft-10/Ft-10} = \frac{1.22}{Pz-6/Ft-10/Ft-10/Ft-10/Ft-10} = \frac{1.22}{Pz-6/Ft-10/Ft-10/Ft-10} = \frac{1.22}{Pz-6/Ft-10/Ft-10} = \frac{1.22}{Pz-6/Ft-10/Ft-10} = \frac{1.22}{Pz-6/Ft-10/Ft-10} = \frac{1.22}{Pz-6/Ft-10/Ft-10} = \frac{1.22}{Pz-6/Ft-10/Ft-10} = \frac{1.22}{Pz-6/Ft-10/Ft-10} = \frac{1.22}{Pz-6/Ft-10} = \frac{1.22}$	
AUTHOR: Shorin, K. N.	
TITLE: Method of control of the motion of a beam of particles in accelerators 19	
Duthomy i tekhnika eksperimenta, no. 4, 1964, 23-27	
TOPIC TAGS: particle beam, particle motion, accelerator, synchrotion,	
field	
beam of particles acceleration the energy of 0.7 Gev for the purpose of	
making more precise the principal of the data obtained by this for distortions in the magnetic field. Use of the data obtained by this method assures a tenfold decrease in the loss of particles during acceler- ation. There are two figures.	
ASSOCIATION: Fizicheskiy institut AN SSSR (Physics Institute, AN SSSR)	
Card 1/2	

SALANDAR SALA

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001549910004-8"

0 L 8585 ACCESSION NR: AP4048494 -65 SUB CODE: NP ENCL: CO SUBMITTED: 06Sep63 JPRS OTHER: 000 NO REF SOV: 001 ţ Card 2/2

"APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001549910004-8

가 가지 않는다. 가지 않는 것은 것은 것은 것을 알려요. 것은 것은 것은 것은 것은 것은 것을 가지 않는다. 것은	
$\frac{L 57824-65}{ACCESSION NR: AR4049412} EPA(w)-2/EWT(m)/EWA(m)-2 Pt-7/Pab-10 IJP(c) S/0275/64/000/009/A059/A059621.384.6$	9 45 B
SOURCE: Ref. zh. Elektronika i yeye primeneniye. Svodnyy tom, Abs. 9A399	
AUTHCA: Metal'nikov, Yu. N.; Pisarev, V. Ye.; Shorin, K. N.	
TITLE: Adjusting the orbits according to the electron beam in synchrotrons	71
CITED SOURCE:Sb. Elektron. uskoriteli, M., Vyssh. shkola, 1964, 77-81	
TOPJ - AGS: synchrotron, synchrotron alignment	
TRANSLATION: A method is described for eliminating free oscillations in determining the shape of the first instantaneous orbits in an electron syn The method is illustrated by an example of the radial movement of particle circular synchrotron. It is shown that the orbits for vertical particle mo can be found by similar techniques. Indication of the radial beam ccordina various azimuths was effected by means of phosphor-coated tags and a photo plier and also by means of phosphor-coated metal screens, 75%-transparent beam. For vertical movement indication, a horizontal rod-type tags were us method per_itted correcting the orbits at the first stage of the accelerat operation, during the period of quisi-betatron regime. The above described Cord 1/2	vement ites at multi- for the sed. The sor

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001549910004-8"

1. K. Y.

CIA-RDP86-00513R001549910004-8



APPROVED FOR RELEASE: 08/09/2001