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KUROCHKIN, S.S.; BELOV, A.F.; BELOUS, A.L.; SALICHKO, V.N.; ABUZINA, I.M.; EURKOV, Ye.V.; KUZHETSOV, K.F.; STERLIGOV, D.A.

Principle transistorized components of multichannel measuring systems. Mnogokan. izm. sist. v iad. fiz. no.5:87-116 '63. (MIRA 16:12)

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	ACCESSION NR: AR4032161	s/0(058/64/000/	002/A019/#	1019	1
	SOURCE: Ref. zh. Fiz., Abs. 2A192		, .			
	AUTHORS: Krashenninikov, I. S.; Ku Sterligov, D. A.	ırochkin,	5. S.; Sha	lgin, Yu.	M.;	
	TITLE: System for centralized cont	trol of st	atistical j	parameters	B	
1 1 1	CITED SOURCE: Tr. 5-y Nauchno-tekh elektronike. T. 2. Ch. 2. M., Go				ndio-	. ·
	TOPIC TAGS: statistical parameter, pickup monitor, pickup intensity de drum memory, two level recording, m control	eviation i	dentificat	ion, magne , dosimetr	ic	
	TRANSLATION: The operation of a sy	stem for	centralized		of a	
:	large number of objects of the same	type is	analyzed.	The contr	ol	
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in this case. tensities from this deviation objects is 30 m up pulse intens are read simul- is by applying block of the co or storing 50,0 recording is at	The system reg normal and rec takes place. minutes. The s sity ~100 pulse aneously is 25 the supply vol ontrol system i 000 bits of inf two levels wi	isters deviations of ords the number of The period of scann ystem is suitable f s/sec. The number	or an average pick- of pickups which ne group of pickups rodes. The main emory unit capable has 80 tracks and frequency. The	•
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	rol accuracy a	nd decrease the qua		
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	Ri ARGO16152	SOURCE CODE: UR/0058/65/000/011/A026/A026
AUTHOR	: Belov, A. F.; Kuroch	kin, S. S.; Stergilov, D. A.
TITLE:	Matrix-type control d	evices for multichannel analyzers
SOURCE	: Ref. zh. Fizika, Abs	. in-ta priborostr., vyp. 1, 1964, 131-142
TOPIC comput ABSTRA suring sently type (BUU-16 togeth such a curren the co	TAGS: pulse analyzer, er program/ BUU-16 pul CT: The authors analyzers systems: linear, deco developed analyzers if when the number of com and BUU-17, are descri- her with their basic da as the shaping amplifient at generator, and the pontrol devices of the m	measuring apparatus, control circuit, computer logic, lse analyzer, <u>BUU-17</u> pulse analyzer to variants of control circuits for multiplechannel mea- oding, and matrix types. It is concluded that in the pre- t is advantageous to use a control device of the matrix mand steps exceeds 16). Two types of control devices, ibed in detail, and their schematic diagrams are presented ta. The operation of the individual units is considered, r with an OR logical circuit or without it, the address- rogram transfer switch. Results of tests and operation of atrix type are presented. It is noted that the type of ration was realized in the following analyzers: AI-1024-1 P. [Translation of abstract]
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1997, 2005 F

BEL/DV, A.F.; STERLIGOV, D.A.

Adjustment and control of programming devices of multichannel measuring systems. Nauch.-tokh. sbor. Gos. id. rn lit. v obl. atom. nauki i tekh. no.6:105-113 *63 (MTRA 17:8)

APPROVED FOR RELEASE: 08/26/2000

14月29年3月4月1日的资源为1月1日是4月1日月1日日,1月1日(1月1日)日本18月1日(1月1日)(1月1日)(1月1日)(1月1日)(1月1日)(1月1日)(1月1日)(1月1日)(1月1日)(1月1日)(1月1日)	NACE OF COMPANY
L 38716-66 EWT(d)/EWT(1)/EWP(1) LJP(c) BC ACC NR: AR6014198 SOURCE CODE: UR/0271/65/000/011/B027/B028	1
ACC NR: AR6014198 SOURCE CODE: UR/02/1/65/000/011/602/1628	
AUTHOR: Belov, A. F.; Kurochkin, S. S.; Sterligov, D. A. 56	
TITLE: Matrix control devices for multichannel analyzers 15	
SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika, Abs. 11B228	
REF SOURCE: Tr. Soyuzn. ni. in-ta priborostr., vyp. 1, 1964, 131-142	
TOPIC TAGS: multichannel analyzer, matrix control, digital computer, computer component	
ABSTRACT: Linear, decoder, and matrix control devices for multichannel measuring systems are analyzed. It is inferred that the matrix type (when the number of command cycles exceeds 16) is expedient for use in new analyzers. Two control devices, <u>BUU-16</u> and <u>BUU-17</u> are detailed, their functional diagrams are presented as well as their basic data. Operation of these units is examined: a shaping	
as well as their basic data. Operation of these current generator with a program amplifier with or without an OR-gate; address-current generator with a program switch. Tests and operating-experience results are reported. The above control device was physically implemented in <u>AI-1024-15</u> (AI-1024-27 and <u>AI-2048</u>) analyzers. Nine figures. Bibliography of 4 titles. N. P. [Translation of abstract]	
SUB CODE: 09	
Card 1/1 and UDC: 681.142.34	
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AUTHOR: <u>Protasov, V. G. (Engr.</u>) <u>Baranova, L. P. (Engr.); Ster</u> ORG: Physical and Colloidal of the <u>Light Industry</u> (Kafedr logicheskogo instituta legkoy TITLE: Study of <u>adhesives</u> ba SOURCE: IVUZ. Tekhnologiya J TOPIC TAGS: adhesive, polye anhydride ABSTRACT: The possibility of footwear and sewing material of polyethylene involved the introduced to increase the p	<pre>(1)/T LJP(c) WW/RM SOURCE CODE: UR/0323/66/000/001/0054/0057 [ligova I. N. (Engr.) Chemistry Department, Moscow Technological Institute a fizicheskoy i kolloidnoy khimii Moskovskogo tekhno- y promyshlennosti) ased on modified polyethylene legkoy promyshlennosti, no. 1, 1966, 54-57 othylene plastic, footgear, polypropylene plastic, maleic of using modified polyethylene as an adhesive for bonding ls was investigated. The mechanochemical modification e use of a laboratory extruder; maleic anhydride (MA) was polarity, and atactic polypropylene (APP) was added as a is of the adhesives were tested by bonding footwear and is of the adhesives were tested by bonding footwear materials were and in sewing materials, for ply separation and shear. and in sewing materials, for ply separation and shear.</pre>	
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fect of AF ve strengt oy forming fers attra	P. The addition h by increasing t carboxyl groups). ctive new prospec	increases; this is attributed t of MA to the adhesive compositi the polarity of polyethylene and . It is concluded that the use its for the production of inexpe- lothing industry. Orig. art. has	on increases the adhe- atactic polypropylene of modified polyethylene nsive and efficient adhe-
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STERLIGOV, O. D.

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"The effect of the diameter of Laboratory columns with fenske pacing on their efficiency and productivity"., Kasansky, B. A., Liberman, A. L. and <u>Sterligov. O. D.</u> (p. 130)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1943, Volume 13, no. 3.

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STURLIGOV, C. D.

"Catalytic Aromatization of Individual Hydrocarbous Over Molybdenum Catalysts." Sub 5 Apr 51, Inst of Organic Chemistry, Acad Sci USSR.

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Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

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"Hydro on Exchange in Saturated Hydrocarbons Localting From the Lotion of Dulfuric Acta," V. M. Sotkhaa, D. W. Hireanov, C. D.Sterlinov, and A. I. Liberman, Inst of Comp Chan Acad Coi U.C.

"TAT SETT" 761 (5, 10 5, 1, 101,-101)

The exchange of [] is a no of hydrocarbons was studied with the bid of sulfuric acid heving a above f heavy N. It was found that the relation passes through the collowing status. Ladicals or carbonium ions are formed by exidence. They ar copable of enchances their latent for desterior. If exchance continues from one resideal to the next is a chain of relation. The final class is bracking off of the chain taking place in the graad menner. Submittee by Acod 10.4. Assumpting 3 Jun 52

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	ry - Analytical chemistry	
Card 1/1	Pub. 22 - 32/63	
	Setkina, V. N.; Plate, A. F.; Sterligov, O. D.; and Kursanov, D. N., Memb. Corres. of Acad. of Sc. USSR Possibility of adapting the hydrogen exchange reaction for the analysis of saturated hylrocarbon mixtures	•
Periodical :	Dok. AN SSSR 99/6, 1007-1010, Dec 21, 1954	
Abstract :	The characteristics of hydrogen exchange reaction and the possibility of applying this reaction for analytical purposes were investigated. A compulsory condition for the adaption of the hydrogen exchange reaction for the analysis of saturated hydrocarbon mixtures was found to be the attainment of aliphatic and alicyclic hydrocarbon mixtures containing from 5 to 7 carbatoms in the molecule begins within a period of $10 - 20$ hrs. The results, obtained during the reaction of two-component saturated hydrocarbon mixture are tabulated. Nine USSR references (1935-1954). Tables.	r on on
Institution:	•••••	
Submit ted:	June 18, 1954	

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STERLIGON G.P MARKOVNIKOV, V,V,; PLATE, A.F., doktor khimicheskikh nauk, redaktor; BYKOV, G.V., Fandidat kbimicheskikh nauk, redaktor; PETROVSKIY, I.B., akademik, redaktor; BYKOV, K.M., akademik, redaktor; KAZAN-SKIY, B.A., akademik, redaktor; SHMIDT, O.Yu., akademik, redaktor; ANDREY LV, N.N. akademik, redaktor; SHCHERBAKOV, D.I., akademik, redaktor; YUDIN, P.F., akademik, redaktor; DELONE, B.N., redaktor KOSHTOYANTS, Kh. S., redaktor; SAMARIN, A.M., redaktor, LEBEDEV, D.M. professor, redaktor; FIGUROVSKIY, N.A., professor, redaktor; KUZHETSOV, I.V., kandidat filologicheskikh nauk, redaktor; STERLI-GOV, O.D., redaktor; ZEALYAKOVA, T.A., tekhnicheskiy redaktor [Selected works] Izbrannye trudy. Redaktsiia, stat'i i primechaniia A.F. Plate i G.V. Bykova, Moskva, Izd-vo Akademii nauk SSSR 1955. 1. Chlen-korrespondent AN SSSR (for Delone, Koshtoyants, Samarin) (Chemistry) (Harkovnikov, Vladimir Vasil'evich 1837-1904) States with the print of the second second

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STERLIGOV, C.D.	62-11-20/29
AUTHORS:	Kazanskiy, B. A., <u>Sterligov</u> , O. D., Belen'kaya, A. P., <u>Kondrat'yeva, G.</u> Ya., Paylova, P. S.
TITLE:	Determination of the Unsaturation of Isoperic Methods. Isoamylene Mixtures According to Bromometric Methods. (Opredeleniye nepredel'nosti izopentan-izopren-
PERIODICAL	Izvestiya AN SSSR, Otdelenie Knimionova um 11. pp. 1399-1400 (USSR)
ABSTRACT	Here a relative evaluation of the endot unsaturation and the of bromometrical determination of the unsaturation and the selection of the most useful method for the analysis of the isopentane-dehydration catalysates is brought. Examining isopentane-dehydration catalysates is brought. Framining the bromometric methods of K. W. Rosenmund (reference 1), the bromometric methods of K. W. Rosenmund (reference 1), the bromometric methods of K. W. Rosenmund (reference 1), the bromometric methods of the the brown of the sopentane-isoperne-isoamylene mixtures the exactness of the isopentane-isoprene-isoamylene mixtures the exactness of the determination of the total unsaturation according to the methods of Rosenmund and Gal'pern can vary absolutely from
Card 1/2	1 to 3 %. When inter

Determination of the Unsaturation of Isopentane-Isoprene-62-11-20/29 Isoamylene Mixtures According to Bromometric Methods. exactness of the determination can be raised to \pm 1 %. Virabyants' method is useless for these mixtures. It is shown that under the conditions for the bromination, which were investigated, the 2-methylbutene-1 binds more than one bromine molecule. There are 4 tables, and 3 references, 1 of which is Slavic. ASSOCIATION: Institute for Organic Chemistry imeni N. D. Zelinskiy of the AN USSR (Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR). SUBMITTED: July 5, 1957. AVAILABLE: Library of Congress Card 2/2

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CIA-RDP86-00513R001653310005-7

	TER LIGON, M
AUTHORS :	Kazanskiy, B. A., Member of the AN USSR, 20-4-20/52 Marushkin, M. N. (Deceased), Sterligov, O. D., and Belen'kaya, A. P.
TITLE :	The Catalytic Dehydrogenation of Isopentane (Kataliticheskaya degidrogenizatsiya izopentana)
PERIODICAL:	Doklady AN SSSR, 1957, Vol. 117, Nr 4, pp. 619-622 (USSR)
ABSTRACT:	From the economical point of view the use of isopentane is important for the increased supply of raw materials to the production of synthetic caoutchouc. The catalytic dehydration of isopentane to iso-amylenes and of these to isopren
	$(C_{5}H_{12} \rightarrow C_{5}H_{10} \rightarrow C_{5}H_{8})$ can be one of the ways of producing isopren. There is only little literature on this subject (refer- ences 1 - 3). So the investigation of this reaction is still very young. The second author produced at the institute (see "Association") an active alumochrome catalyzer for the de- hydration of n-butane and propane which can be employed for the purpose discussed here. It consists of (in molar- $\frac{1}{2}$):
	Al_2O_3 88, Cr_2O_3 9, K_2O 3. The method of the dehydrogenation
Card 1/3	of isopentane is described. In the condensate (by means of dry ice) the total unsaturatedness was determined

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The Catalytic Dehydrogenation of Isopentane.

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bromometrically according to Rosenmund (reference). The proportion of isopren as to weight was determined by reaction with maleic aldehyde. The activity of the catalyzer is increased when the temperature rises. It reaches its highest stage at 550°. The productivity is rapidly increased when the reaction temperature and the supply of raw materials are increased. At 575° the productivity of the catalyzer decreases (figure 3) as well as its selectivity as a result of the increasing cracking reaction (figure 1). At the optimal temp-erature of 550° stability, degree of contamination, and the most profitable duration of the working cycle were stated. The average activity (productivity) per cycle decreases with the extension of the cycle. Figure 4 shows that the selectivity is independent of the degree of contamination. When the working period lasts for more than 8 hours without interruption the degree of dehydration falls to almost 1/3 during the first 4 hours and then remains so without noticeable changes. After the regeneration the catalyzer completely rereaches its initial activity. The contamination is obviously connected with the disturbance of the catalyzer by deposits of "coke". When the temperature rises from 500° to 550° the provortion of total unsaturatedness almost trbles. The concentration of isopren increases tenfold, the concentration of

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 2-methylbutene-2 almost doubles, of 2-methylbutene-1 treblus whilst the proportion of 3-methylbutene-1 hardly changes. Within the range of these temperatures 2-methylbutene-2 and 2- methylbutene-1 prevail whilst the other two substances are contained in small quantities only. Table 2 shows that one has to be careful in employing the spectrums of the dispersion of light combinations to the analysis of the substances discussed here, as the lines of isopren and 3-methylbutene-1 overlap. With small proportions of isopren already line 1640 cm⁻¹ (of 3-methylbutene-1) but also line 1651 cm⁻¹ (of 2-methyl- butene-1) which leads to sharply increased results for the last two. There are 4 figures, 2 tables, and 4 references, 3 of which are Slavic. ASSOCIATION: Institute for Organic Chemistry imeni N. D. Zelinskiy of the AN USSR (Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR) SUBMITTED: July 22, 1957 AVAILABLE: Library of Congress 	The Catalytic	Dehydrogenation of fsopentane.	20-::-20 /52
AN USSR (Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR) SUBMITTED: July 22, 1957 AVAILABLE: Library of Congress		whilst the proportion of 3-methylbutene Within the range of these temperatures methylbutene-1 prevail whilst the other contained in small quantities only. Take to be careful in employing the spectrum light combinations to the analysis of here, as the lines of isopren and 3-met With small proportions of isopren alrea (of 3-methylbutene-1) but also line 169 butene-1) which leads to sharply increas last two. There are 4 figures, 2 tables	e-1 hardly changes. 2-methylbutene-2 and 2- r two substances are ble 2 shows that one has ms of the dispersion of the substances discussed thylbutene-1 overlap. ady line 1640 cm ⁻¹ 51 cm ⁻¹ (of 2-methyl- ased results for the
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	SUBMITTED:	July 22, 1957	
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AUTHORS:	Kazanskiy, B. A., Sterligov, O. D., 75-1-23/26 Belen'kaya, A. P., Kondrat'yeva, G. Ya., Pavlova, P. S.
TITLE:	Bromometric Methods of Determining Unsaturated Hydrc- carbons in Isopentane-Isoprene-Isoamylene Mixtures (Opredeleniye nepredel'nosti izopentan - izopren - izoamilenovykh smesey bromometricheskimi metodami)
PERIODICAL:	Zhurnal Analiticheskoy Khimii, 1958, Vol 13, Nr 1, pp 134-141, (USSR)
ABSTRACT :	In the catalytic dehydrogenation of isopentane a mixture of 5 components forms - the initial product, 3 isopentenes and isoprene. The quantitative relation of the components depends on the reaction conditions. In the present paper the relia- bility of the three bromimetric methods - according to Rosenmund (Reference 3), Gal'pern (Reference 5) and Vyrabiants (Reference 6) is examined. This control was investigated in pure C_5 -hydrocarbons and also in various artificial mixtures of isopentane with isopentenes and isoprene shich differed in the number of components and also in their concentration. It
Card 1/5	became evident that the method according to Vyrabiants is not

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75-1-23/26 Bromonetric Methods of Determining Unsaturated Hydrocarbons in Isopentane-Isoprene-Isoamylene Mixtures

> suitable for an analysis of such mixtures, because the error assumes different values and attains up to 7 - 8 % (absolute). The results obtained according to Rosenmund and Gal'pern confirm the fact that the accuracy of the determination of double bonds depends on the structure of the hydrocarbons and on the composition of the mixture: 2-methyl-butene(2) and 3-methylbutene(1) without difficulty absorb 1 bromine molecule on ' bromination. 2-methyl-butene(1) and isoprene consume more than 1 bromine molecule and therefore yield too high results, relative to a double bond, in the determination according to Rosenmund and Gal'pern. The analysis of mixtures with 3 or 4 components, but without isoprene, showed an average absolute error of the determination of the olefines of ± 1 %. On addition of isoprene to the mixtures with 3 components the absolute error increases to \pm 3 %. The analysis of mixtures with 5 components showed that the absolute error in the case of an isoprene content up to 20 % in the method according to Rosenmund on the average amounts to +3 % and according to the method by Gal'pern -2 %. As the average error in the

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75-1-23/26 Bromometric Methods of Determining Unsaturated Hydrocarbons in Isopentane-Isoprene-Isoamylene M<u>i</u>xtures

> determination of the total number of double bonds in mixtures of 5 components according to both methods has a systematic nature, it can be taken into account by the introduction of a corresponding coefficient (in the case of an isoprene content up to 20 %). It was shown that the values for the total number of double bonds which were once determined according to Rosenmund and once according to Gal $\bar{\lambda}$ pern practically coincide after the introduction of a correction coefficient. As the method of bromination only makes possible a sum determination for alkenes and dienes, the content of monoolefines can only be determined from the difference between the total number of double bonds and the content of dienes. In the present case an appropriate correction which takes into account the content of isoprene must therefore be applied to the bromimetric results for determining the content of isopentenes. Bor the determination of isoprene the photometric method according to Robey and Wiese (Reference 17) was employed which is well applicable in the presence of monoolefines, but also of some dienes. The average

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75-1-23/26 Bromonetric Method of Determining Unsaturated Hydrocarbons in Isopentane-Isoprene-Isoamylene Mixtures

> error of this determination is less than 1 % (absolute). Determination takes 1 1/2 hours, which time can be shortened in series determinations to 20 minutes for one determination. When the concentration of isoprene in isopentane-isopreneisopentene mixtures has been determined in this manner, the content of isopentenes (P) can be calculated according to the formula P = a.P'-b. P is the found total number of double bonds in the mixture, b is the concentration of isoprene in the mixture and a is the correction coefficient. In the method according to Rosenmund a = 0,96 and in the method according to Gal'pern a = 1,04. All performed tests are exactly described. During the elaboration of this method a short article by Timofeyeva and collaborators (Reference 18) on the same problem was published. In this article a correction coefficient is introduced in the final formula of the calculation which only takes into account the error produced by the inexact bromination of isoprene.

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	Methods of Determining Unsaturated Hydrocarbons in soprene-Isoamylene Mixtures		
	There are 1 figure, 5 tables, and 21 references, 19 which are Slavic.	5 of	
ASSOCIATION:	Institute for Organic Chemistry im. N.D. Zelinskiy, AS Moscow (Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR, Moskva)	USSR,	
SUBMITTED:	April 8, 1957		
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 5(3) AUTHORS: Zhukhovitskiy, A. A., Kazanskiy, B. A., SOV/20-123-6-22/50 Academician, Sterligov, O. D. Turkel'taub, N. M. TITLE: Chromatographic Analysis of C₅ Hydrocarbon Mixtures (Khromato- graficheskiy analiz smesey uglevodorodov sostava C₅) PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 123, Nr 6, pp 1037 - 1040 (USSR) ABSTRACT: The purpose of the present paper is the elaboration of a quick and sufficiently simple method of the quantitative analysis of isopentane-isoprene-isoamylene mixtures. Such mixtures are formed on dehydrogenation of isopentane into isoanylenes and isoprene. Their analysis was complicated and required much time (Refs 1-4). The authors successfully used a combination of two chromatographic methods: the partition chromatography (Ref 5) and the "chromathermography" (Ref 6). The methods were worked out on pure individual hydrocarbons and on their artificial mixtures. The universal "chromathermograph" was used for the analysis (Ref 7). Alu- minum oxide and diatomite impregnated with dibutyl-phthalate 		
graficheskiy analiz smesey uglevodorodov sostava 057 PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 123, Nr 6, pp 1037 - 1040 (USSR) ABSTRACT: The purpose of the present paper is the elaboration of a quick and sufficiently simple method of the quantitative analysis of isopentane-isoprene-isoamylene mixtures. Such mixtures are formed on dehydrogenation of isopentane into isoanylenes and isoprene. Their analysis was complicated and required much time (Refs 1-4). The authors successfully used a combination of two chromatographic methods: the partition chromatography (Ref 5) and the "chromathermography" (Ref 6). The methods were worked out on pure individual hydrocarbons and on their artificial mixtures. The universal "chromathermograph" was used for the analysis (Ref 7). Alu-		
ABSTRACT: The purpose of the present paper is the elaboration of a quick and sufficiently simple method of the quantitative analysis of isopentane-isoprene-isoamylene mixtures. Such mixtures are formed on dehydrogenation of isopentane into isoamylenes and isoprene. Their analysis was complicated and required much time (Refs 1-4). The authors successfully used a combination of two chromatographic methods: the partition chromatography (Ref 5) and the "chromathermography" (Ref 6). The methods were worked out on pure individual hydrocarbons and on their artificial mixtures. The universal "chromathermograph" was used for the analysis (Ref 7). Alu-	TITLE:	Chromatographic Analysis of C ₅ Hydrocarbon Mixtures (Khromato- graficheskiy analiz smesey uglevodorodov sostava C ₅)
quick and sufficiently simple method of the quantitative analysis of isopentane-isoprene-isoamylene mixtures. Such mixtures are formed on dehydrogenation of isopentane into isoamylenes and isoprene. Their analysis was complicated and required much time (Refs 1-4). The authors successfully used a combination of two chromatographic methods: the partition chromatography (Ref 5) and the "chromathermography" (Ref 6). The methods were worked out on pure individual hydrocarbons and on their artificial mixtures. The universal "chromathermograph" was used for the analysis (Ref 7). Alu-	PERIODICAL:	Doklady Akademii nauk SSSR, 1958, Vol 123, Nr 6, pp 1037 - 1040 (USSR)
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\$/595/60/000/000/006/014 Kazanskiy, B.A., <u>Sterligov, O.D.</u>, Belen'kaya, A P Kondrat'yeva, G.Ya. Vsesoyuznoye soveshchaniye po khimicheskoy pererabotke Catalytic dehydrogenation of isopentane vsesoyuznoye sovesncnaniye po knimicneskoy pererabotk neftyanykh uglevodorodov v poluprodukty dlya sinteza volokon i plasticheskikh mass Baku 1957 Baku neityanykn uglevodorodov v Poluprodukty diya sinteza volokon i plasticheskikh mass, Baku; 1957. Baku; Izd vo AN Azorh CED 1060 207-219 AUTHORS : Due to the lack of published information, the TEXT: Due to the lack of published information of isopentane; authors investigated the process of dehydrogenation of as the which vields as the intermediate product isoamvlenes, and as the TITLE: authors investigated the process of dehydrogenation of isopentane, which yields as the intermediate product isoamylenes, and, as the final product, isoprene, the monomer of synthetic rubber. SOURCE: which yields as the intermediate product isoamylenes, and, as the final product, isoprene, the monomer of synthetic rubber developed chrome-alumina catalyst K-544 was used by M. N. Marushkin of IOKh AN SSSR, proved suitable for dehydro chrome-alumina catalyst K-544 was used. This catalyst, develope by M. N. Marushkin of IOKh AN SSSR, proved suitable for dehydro genation of n-butane and promane, it is highly active chemically by M. N. Marushkin of IOKh AN SSSR, proved sultable for denydro genation of n-butane and propane; it is highly active chemically and has a high mechanical strength. All experiments were genation of n-butane and propane; it is highly active chemically and has a high mechanical strength. All experiments were conducted in the following manner; fresh or reactivated catalyst in portions of 20 cm² was heated in a quartz tube to the reaction temperature in a current of air. The air was then purged by in portions of 20 cm' was heated in a quartz tube to the reac temperature in a current of air. The air was then purged by nitrogen and isopentane was introduced in the tube. Card 1/5 Card 1/5

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Catalytic dehydrogenation ...

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reaction products were condensed by cooling with solid carbon dioxide noncondensibles were collected in a gasholder. The unsaturated hydrocarbons in the condensate were estimated bromometrically by the Rosenmund and Halpern methods, isoprene was separately determined by weighing its adduct with maleic anhydride or colorimetrically by the method of R, F, Robey and H,V.Wiese The catalyst was regenerated after each run by passing a current of air for one hour at the reaction temperature. Experiments have shown that during hourly working cycles in the temperature range 500 to 575°C and that of space velocities 0.3 to 4.2 hr 1, the activity of the catalyst increased with temperature, reaching a maximum at 550°C, maintained independently of the space velocity in the range 0.7 to 2.6 hr⁻¹ Under those conditions the catalysate from isopentane contained up to 58% of unsaturated hydrocarbons, the yield of the latter being 45 to 49% on total isopentane and 70 to 90% on the decomposed isopentane. The productivity of the catalyst sharply increased with temperature, reaching the optimum value, about 700 g $C_5^{H_10}$ / khr at 550°C and space velocity Thus 550°C was the best operating fount of this latelyst 2,6 hr⁻¹ Card 2/5

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Catalytic dehydrogenation

The noncondensible gas/found to consist largely of hydrogen with some methane. The liquid products were analysed for the individual unsaturated components by means of gas chromatography Analytical and light scattering, thresults are given in Table 1 difficulties in the estimation of the unsaturated components by They arise means of the Raman scattering spectra are discussed. means of the Raman scattering spectra are discussed. Interpretent from the fact that the 1640 cm⁻¹ line of isoprene is 12 times more intensive than the 1642 cm⁻¹ line of 3 methylbutene 1. The masking effect of isoprene is therefore very strong and it tends to affect even the 1651 cm⁻¹ line of 2-methylbutene-1. chemical determination of total unsaturation of the catalysate the Rosenmund method was found to give high values while the The correction factors which had to be applied were 0.96 and 1.04 respectively. Academicians Halpern method gave low values. N.D.Zelinskiy, A.A.Balandin, B.A.Kazanskiy Corresponding Member AS USSR N.I.Shuykin, Yu.G.Mamedaliyev as well as V.T.Aleksanyan Kh.Sterin of Komissiya po spektroskopii AN SSSR (Commission on Spectroscopy AS USSR) and Candidate of Chemical Sciences Head of Gazovaya laboratoriya (Gas Laboratory) of VNIGNI MNP SSSR are mentioned in the paper. There are 9 figures, 6 tables and Card 3/8

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Catalytic dehydrogenation

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Unsaturated components 1	in catalysate	% W/W	Table 1	
Fraction 20 - 38°	500 °	525`	550	
Total unsaturation	18.6	41,6	52.2	
Isoprene	0.4	1.5	4.2	
2-methylbutene-2	10	15	20/25 [*]	
2-methylbutene-1	5	15	15/30 [×]	
3-methylbutene-1	3	3	5/35*	
			<u> </u>	

^{*}The analysis was carried out before separation of dienes in the fraction $20 \cdot 38^\circ$.

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AUTHORS:

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Eydus, Ya. T., Puzitskiy, K. V., and Sterligov, O. D.

TITLE: Acid-catalyzed Synthesis of Esters and Other Derivatives of Carboxylic Acids From Carbon Monoxide, Olefins, and Compounds Capable of Acylation. IV. Carbomethoxylation of Amylenes of Different Structures

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol. 30, No. 11, pp. 3799-3802

TEXT: The present publication is an investigation on the carbomethoxylation of the following isomeric amylenes by a method developed by the authors in earlier studies (Refs. 1-4): 1-pentene, 3-methyl 1-butene, 2-methyl 1-butene, and 2-methyl 2-butene. As in the earlier papers (Refs. 1-4), the reaction of the olefin, carbon monoxide and catalyst (concentrated H_2SO_4)

in the first stage of the reaction, which involves formation of acyl sulfuric acid as intermediate, proceeded at an initial CO pressure of 80 atm and at temperatures of $20 - 40^{\circ}$ C. Addition of methanol to the reaction mixture transforms the acyl sulfuric acid into its methyl ester in the second stage Card 1/3

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Acid-catalyzed Synthesis of Esters and Other S/079/60/030/011/018/026 Derivatives of Carboxylic Acids From Carbon BO01/B055 Monoxide, Olefins, and Compounds Capable of Acylation. IV. Carbomethoxylation of Amylenes of Different Structures of the reaction. Methyl esters were obtained from 1-pentene in 54% yield, and from the branched amylenes in 64 - 69% yields, as calculated for initial olefin. 2-Methyl 2-butene gave the highest yield (69%). Methyl-1,1-dimethyl butyrate was obtained as the main reaction product from all isomeric amylenes. The mixture of esters from 1-pentene contained 50.5% of this ester, that from 3-methyl 1-butene 61%, from 2-methyl 1-butene 45%, and from 2-methyl 2-butene 35%. The structures of the remaining reaction products varied according to whether the initial compound had been n-amylene or branched amylene. In analogy to the results obtained with 1-hexene and 1-heptene, 1-pentene yielded methyl-1-ethyl butyrate, as second reaction product, which constituted 27.5% of the ester mixture obtained. Methyl-1-ethyl butyrate was not detected among the reaction products from branched amylenes, which are partly transformed to methyl-trimethyl acetate (4 - 10%), 1,1-dimethyl valeric acid (0 - 5%), and higher acids (30 - 50%). There are 1 figure, 2 tables, and 16 references: Card 2/3

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. Acid-catalyzed Synthesis of Esters and Other S/079/60/030/011/018/026 Derivatives of Carboxylic Acids From Carbon B001/B055 Monoxide, Olefins, and Compounds Capable of Acylation. IV. Carbomethoxylation of Amylenes of Different Structures 6 Soviet, 4 US, 1 British, 3 German, 1 Italian, and 1 French. ASSOCIATION: Institut organicheskoy khimii Akademii nauk SSSR (Institute of Organic Chemistry of the Academy of Sciences USSR) SUBMITTED: December 18, 1959 Card 3/3Contract of the second s

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STERIN, Kh.Ye.; ALEKSANYAN, V.T.; UKHOLIN, S.A.; BRAGIN, O.V.: GAVRILOVA, A.Ye.; ZOTOVA, S.V.; LIBERMAN, A.L.; MIKHAYLOVA, Ye.A. SMIRNOVA, E.N.; STERLIGOV, O.D.; KAZANSKIY, B.A.

Raman spectra of some tri- and tetraalkylbenzenes and condensed aromatic hydrocarbons. Izv. AN SSSR. Otd.khim.nauk no.8:1444-1450 Ag '61. (MIRA 14:8)

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s/csc/61/034/002/013/025 25393 A057/A129 Pumitskiy, K.V., Sterligov, O.D., Belen'kaya, A.P., Eydus, 5 3400 AUTHORS : үч.Т. Proparation of carboxylic abid Autors from amylene mixtures Zhurnal Prikladnoy Khimil, v 34, no 2, 1961, 366-369 TITLE: Carboxylin much methyl esters were obtained with a 55-63% PERIODICAL yield by cartamethorylation of anylane mintures with different structure. The main product is methyl ester of " (A dimethylbutyric anid, i.e., a carboxylic aold ester with a quarternary carton atom in Q-position. Anylenes are important for the manufacture of high-sotane compounds in gasoline or for detergents. In a previous paper (Ref 3: ZhoKh, 30, 3796 (1960)) the present auto in a previous payer (ner): monny, by 2177 (1900) the present auto institute tigated syntheses of sarboxylic asid estara from the present actions investigated syntheses of Servicyin, and empiric from single anylenes with various structures using H_2SO_4 , CO and CH_4CH and Ch_4CH served that the main reaction product is always the methyl ester of M_4A -diserved that the main reaction product is always the methyl ester of M_4A -diserved that the main reaction product is always the methyl ester of M_4A -diserved that the main reaction product is always the methyl ester of M_4A -diserved that the main reaction product is always the methyl ester of M_4A -diserved that the main reaction product is always the methyl ester of M_4A -diserved that the main reaction product is always the methyl ester of M_4A -diserved that the main reaction product is always by the methyl ester of M_4A -diserved that the main reaction product is a second product of M_4A -diserved that the main reaction product is a second product of M_4A -diserved that the main reaction product is a second product of M_4A -diserved that the main product of M_4A -diserved that the main product of M_4A -diserved that the main product of M_4A -diserved the main product of M_4A -diserved the methyle product of M_4A -di Card 1/5 ;

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Preparation of carboxylic sold esters

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methylbutyrio abii. Thus the latter was also to be expected as main reaction product from a mixture of anylenes. In the present experiments catalyzates of the dehyir:genation of iso-pentane and n-pentane, as well as the pentane-anylene fraction of thermal cracking products of gas bil (Tab.1) were carboxymethylated. Reactions and identification of the obtained esters were carried out in procedures described elready in the previous paper (Ref 3). Conditions and the obtained results were presented in Table 2,3. There is 1 figure, 3 tables and 14 references: 6 Soviet-bloc and 8 non-Soviet-bloc. Three of the English-language references read as follows: F.C. Whitmore, F.A. Karnatz, J. Am. Chem. Sco., 60, 2533 (1938); D.V.N. Hardy, J. Chem. Sco., 464 (1938), J.M. Holtert, J. Am. Pharm. Assoc. Sci.

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SUBMITTED: March 14, 1960

Card 2/5

APPROVED FOR RELEASE: 08/26/2000

STERLIGOY, O.D.; ROZHKOVA, M.I.

Continuous isomerization of 2-methyl-2-butene and 2-methyl-1butene in to 3-methyl-1-butene. Neftekhimiia 2 no.3:238-290 My-Je '62. (MIRA 15:8)

1. Institut organicheskoy khimii AN SSSR imeni Zelinskogo. (Butene) (Isomerization)

APPROVED FOR RELEASE: 08/26/2000

5/204/62/002/004/003/019 Kazanskiy, B.A., Dorogochinskiy, A.Z., <u>Sterligov, O.D.</u> Lyuter A.V., Dmitrivevskiv, M.L., Nazarov, P.S. Lyuter, A.V., Dmitriyevskiy, M.L., Nazarov, P.S. Dehydrogenation of isopentane into isoamylenes on an alumochromopotassium catalyst AUTHORS: PERIODICAL: Neftekhimiya, v.2, no.4, 1962, 448-456 A systematic study of the process of dehydrogenation of anti-interview under conditions of a stationary and TEXT: A systematic study of the process of dehydrogenation of isoamylenes under conditions of a stationary and unving laver of granulated catalvat K=544 was carried out on 180Pentane into 180amyLenes under conditions of a stationary moving layer of granulated catalyst K-544 was carried out on constituents installations of Grow NIT. Tests on the static moving layer of granulated catalyst K=544 was carried out on experimental installations of Groz NII. Tests on the stationary layer were carried out on a laboratory and an enlarged TITLE: experimental installations of urog NLL. Tests on the layer were carried out on a laboratory and an enlarged layer were carried out on a laboratory and an enlarged installation. The reactors with a stationary layer of the catalyst were of the capacity of 40 and 500 cm3 respectively. Tests in the moving layer were made in a co-current continuou catalyst were of the capacity of 40 and 500 cm/ respectively. Tests in the moving layer were made in a co-current continuous . Dilot plant with a reactor (4 litres) and a regenerator (4.7 lit Tests in the moving layer were made in a CO-Current continuous. pilot plant with a reactor (4 Litres) and a regenerator (4.7 Litres). The volume of the catalyst - 35 litres. 3 w pilot plant with a reactor (4 litres) and a regenerator (4.7 The volume of the catalyst - 35 litres, throughput - about 100 litres/day the velocity of circulation of the catalyst The volume of the catalyst - 35 litres, throughput - about 100 litres/day, the velocity of circulation of the catalyst -up to 16 litres/hour. The analyses of the reaction products 31 100 litros/day, the velocity of circulation of the catalyst -up to 16 litres/hour. The analyses of the reaction products were made by chromatographic and other chemical methods. The influence re up to locifices/hour. The analyses of the reaction products were made by chromatographic and other chemical methods. The influence of the temperature, volume valocity and rate of recirculation of CO. made by chromatographic and other chemical methods. The influen of the temperature, volume velocity and rate of recirculation of Card 1/2 to for Cat. ASSG Card 1/2 Card

STERLIGOV, O.D.; BELEN'KAYA, A.P.

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Effect of the composition of aluminum-chromium-potassium oxide catalysts on their activity in dehydrogenation of isopentane. (MIRA 15:6) Izv. AN SSSR. Otd.khim.nauk no.5:800-805 My 162.

1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR. (Dehydrogenation) (Butane) (Catalysts)

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GONIKBERG, M.G.; GAVRILOVA, A.Ye.; STERLIGOV, O.D.; ROZHKOVA, M.I.
Thermal polymerization of pentenes at high pressures. Izv.AN SSSR. Otd.khim.nauk no.8:1458-1463 Ag '62. (MIPA 15:8)
1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR. (Pentene) (Polymerization)

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KAZANSKIY, B.A.; DOROGOCHINSKIY, A.Z.; S.ERLIGCV, O.D.; LYUTER, A.V.; DMITRIYEVSKIY, M.L.; NAZAROVA, M.P.; REANVIASHVILI, A.N.

> Studying the dehydrogenation of isopentane on K-544 and K-5 finely divided catalysts. Trudy GrozNII no. 15:241-253 '63. (MIRA 17:5)

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Marushkin device for determining the reclanical strength of granules. (MIRA 17:11) Kin. 1 knt. 5 no.3:559-560 My-Je 174.

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STERLIGOV, O.D.; YELISEYEV, N.A.

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Dehydrogenation of isopentane in reactors of various za* Neftekhimia 4 no.3:391-398 My-Je *64.

Development of an alumina-chrome-potassium catalyst in the dehydrogenation of isopentane. Ibid.: 399.405

(MIRA 18:2)

1. Institut organicheskoy khimii AN SSSR im. N.D.Zelinskogo.

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MTERICAN, C. P.; LANDENNY, N.A.

Development of an aluminum-chrome-polissium datalyst in the dehydrogenation of isopentame: effect of alkali content. Neftekhimia 4 no.4: 540-546 JI-Ag '64. (MIRA 17:10)

1. Institut organicheskoy khimii im, N.S. Zelinskogo AN SSSR.

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AUTHOR: <u>Sterligov</u> , O. D.; Yeliseyev, N. A. TITLE: <u>Dehydrogenation</u> of <u>isopentane</u> on alumina-chrossia-potassium oxide catalysta	
The effect of the chromium oxide content in the catalyst SOURCE: Neftekhimiya, v. 5, no. 1, 1965, 10-16	
TOPIC TAGS: isopentane dehydrogenation, catalytic dehydrogenation, alumina cata- lyst, chromium oxide catalyst, hydrocarbon isomerization	
ABSTRACT: The effect of Cr ₂ O ₃ contents of 1-40 wt.% in K ₂ O-activated alumina- chromia catalysts on the dehydrogenation and skeletal isomerization of isopentane was experimentally studied as part of research on the activity and regeneration of such catalysts. Development of catalyst activity with time and formation of isopentanes, isoprene, normal C ₅ -hydrocarbons and of C ₁ -C ₄ hydrocarbons was mea- sured at 550C, atmospheric pressure and a flow rate of 1/hr. over a constant volume (25 cc) of catalyst, whose bulk density increased and whose specific sur- face decreased approximately two-fold with increasing Cr ₂ O ₃ concentration from 1 to 30%. The fresh and oxidized catalysts reached maximum activity most rapidly at a 20% Cr ₂ O ₃ content, maximum yields of isopentanes (44.7 wt.%) and normal C ₅	
at a 20% CF ₂ O ₃ content, maximum yields of fore	

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KHODAKOV, Yu.S.; MINACHEV, Kh.M.; STERLIGOV, O.D.

Kinetics of the catalytic dehydrogenation of butane to butylenes. Dokl. AN SSSR 165 no.2:344-346 N 165. (MIRA 18:11) 1. Institut organicheskoy khimii im. N.D. Zelinskogo AN SASR. Submitted April 12, 1965.

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Efforts of a collective brought success. Prof. tekh. obr. 20 (MIRA 16:7) no.5:9 My ::63.

1. Direktor Ryncanskogo gorodskogo professional'nctakhnish shogo ushilishchu No.1. (Technical education)

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ABMAMOVICH, A.D., kand. tekhn. nauk; ANTONOV, M.F., kand. tekhn. nauk; KAPLAL, G.A., inzh.-ekonorist; LEVIH, S.M., inzh.zemleustroitel'; LISTENGURT, F.M., kand. geogr. nauk; SAMOYIOV, Ya.F., kand. tekhn. nauk; SMOIYAR, I.M., kand. arkhitek.; SOLOFNENKO, M.A., kand. arkht.; SIEKLIGOV, V.D., kand. arkht.; FALEYEV, V.G., inzh.; Frinimali uchustiye: BUTUZOVA, V.P.; GLABINA, N.K.; GOL'DSHTEYN, A.M.; DEMYANOVSKIY, V.S.; KAPLAN, G.L.; FEDOTOVA, N.A.; TSEYILIN, G.I.; BURLAKOV, N.Ya., red.; KOMPANEYETS, Z.N., red. izd-va; GOLOVKINA, A.A., tekhn. red.

> [Regional planning of economic administrative regions, industrial regions and centers; planning guide]Raionnaia planirovka ekonomicheskikh administrativnykh raionov, promyshlennykh raionov i uzlov; rukovodstvo po proektirovaniiu. Pod red.M.IA.Eurlakova. Moskva, Gosstroiizdat, 1962. 266 p. (MIRA 15:10)

> Akadendya stroitel'stva i arkhitektury SSSR. Institut gradostroitel'stva i raionnoi planirovki. 2. Zamestitel' direktora po nauchnoy rabote Eauchno-issledovatel'skogo instituta gradostroitel'stva i rayonnoy planirovki (for Burlakov).
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STERLIGOV, V.T.

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计外端器 重要学校的保护的生物资料,这些学校的学校,这些学习学校生活和学校,这一家必要的人们也没有这些实际的学校行业 推測 网络河河北部市网络拉德州大学学校学校学校学校学校学校

1. 569-ya arednyaya shkola, Moscow.

(Solids)

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PETROV, Viktor Pavlovich; SOCHIVKO, Arkadiy Arkad'yevich; STERLIGOV, V.L., inzh.-mayor, red.; ZUDINA, M.P., tekhn.red.

[Rocket guidance] Upravlenie raketami. Moskva, Voen.izd-vo M-va obor. SSSR, 1959. 207 p. (MIRA 13:2) (Guided missiles)

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IT THERE REPORT

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DIKIY, Aleksandr Danilovich, kand.tekhn.nauk; SOLDATOY, Ivan Andreysvich. Prinimal uchastiye KHVATOYKER, I.Ye., kand.tekhn.nauk. STERL100V, V.L., inzh.-mayor, red.; SRIBHIS, N.V., tekhn.red. [Hadio transmitting devices] Peredatchiki redictekhnicheskikh sredatv. Moskva, Voen.izd-vo M.va obor.SSSR, 1960. 367 p. (WHRA 13:7) (Radio, Shortwave--Transmitters and transmission)

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VISHNEVETSKIY, Aleksandr II'ich; SERGIYENKO, Ivan Stepanovich; STERLIGOV, V.L., inzhener-mayor, red.; KRASAVINA, A.M., tekhn. red.

> [Paratetron; new switching elements]Parametron; novye perekliuchaiushchie elementy. Moskva, Voen. izd-vo M-va obor. SSSR, 1961. 66 p. (MIRA 14:8)

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LYASHENKO, Ivan Dmitriyevich; STE:LIGOV, V.L., red.; MASLOVA, N.Ya., tekhn. red. [Radio navigation methods]Radionavigatsiia. Moskva, Voenizdat, 1962. 75 p. (NIRA 15:8) (Radio in navigation)

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YUR YEV, E.Yu.; STERLIGOV, V.L., red.; MEDNIKOVA, A.N., tekhn.red.

[Radio communications with space rockets] Radiosviaz's kosmicheskimi raketami. Moskva, Voenizdat, 1963. 77 p.

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- 2. USSR (600)
- "Rays that Kill Microbes. (Bactericidal Lamps and Their Application)", Tekhnika Molodezhi, No. 7, 1951, p 19.

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Polorization (Light)

Transformation of light. Tekh. molod. 20 No. 4, 1952

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

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STERLIGOVA, Eng. M. 1.

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- USSR (600) 2.
- Refraction 4.
- Refraction of light. Tekh. molod. 20 no. 12, 1952. 7.

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STERLIGOVA, M., inshener.

*这些短期。"和金融时间的时候们的考虑的意思。如果可能不可能的。

Interference of light. Tekh.molod. 22 no.1:15-16 Ju '54. (MLRA 7:1) (Interference (Light)



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Rectangular picture tube. Tekh.mol.24 no.8:14-16,39 Ag '56. (Television--Picture tubes) (MIRA 9:9)

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	USSR M Cultivated Plants, Potatoas, Vagatablas,	
. ve. 2012:	Cucurbits.	
0-0401 (Storligove, T.V.	
en fin fi	Potrozsvodsk Univ. Tre Influence of Copper and Mangamese on the Crowth, Development and Yield of Pumpkins and Tomatoeu.	
MAG. 19694	Sb. zauchn. rabot ztud. Petrozavodskogo un-ta, 1956. vyp. 3, 126-145	
ABSERLOT :	The results are given of experiments conduc- ted at the Chair of Plant Physiology in 1952 and 1953. The experimental patch had a mine- ral soil; the experiments were made against a background of fertilization, where full mineral fertilizer (NPK) and manure were added to the soil. The fertilization of the pumpkins and tomatoes with micronutrients was achieved by various methods: application of the micronutriants directly into the soil,	
CARD :	1/3	

CIA-RDP86-00513R001653310005-7 "APPROVED FOR RELEASE: 08/26/2000 R CORE CHERNIGOVSKIY, Ye., inzh.; STERLIK, I., inzh. Electric heaters for oil dispensers. Avt.transp. 40 no.9:25-26 (MIRA 15:9) s '62. 1. Gruzovoy avtopark No.25 Glavkiyevavtotransa. (Electric heating) SERVICES a second second

144位的第三世的时间开始,并且把国际中心有多少的时间也们。1991年1993

电池动力

TSFAS, B.S., dotsent, kand.tekhn.nauk; STERLIKOV, F.F., student

Increasing the range and precision of movement regulation in universal machine tools used in lot production. Sbor.dokl. Stud.nauch.ob-va Fak.mekh.sel'.Kuib.sel'khoz.inst.no.l:51-60 '62. (MIRA 17:5)

1. Kuybyshevskiy sel'skokhozyaystvennyy institut.

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的复数形式

STERLIKOV, F.F., stucent; YEREMIN, A.V., kand.tekhn.nauk, starshiy prepodavatel', nauchnyy rukovoditel'raboty

> Self-centering hinged dovetail remover. Sbor.dokl.Stud.nauch. ob-va Fak.mekh.sel'. Kuib.sel'khoz.inst. no. 1:142-146 '62. (MIRA 17:5)

1. Kuybyshevskiy sel'skokhozyaystvennyy institut.

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STERLIKOV, I.I., master kolodtsev blyuminga ÿ

Operation of regenerator soaking pits for blooming mills with liquid slag removal. Metallurg 5 no. 12:26-29 D '60.

1. Magnitogorskiy metallurgicheskiy kombinat. • 1 (Rolling mills- Rquipment and supplies) (Furnaces, Heating)

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<u>L 41032-65</u> EVIT (d)/E:TT (m)/E:TP (v)/T-2 EM S/0266/65/000/006/0113/0113 ACCESSION NR1 AP5008577	
AUTHORS: Zuyov, M. A.; Razin, O. M.; Krylov, V. M.; Volkov, A. F.; Timoshim, Yo. P.; Storlikov, V. P.; Gozulov, S. A.; Lemasov, V. B.; Hirolyubov, G. P.	
TITLE: Tost stand for creating impact overloads. Class 62, No. 169407	
SOURCE: Byulleten' izobreteniy i tovarnykh snakov, no. 6, 1965, 113	
TOPIC TAGS: impact testing	
ABSTRACT: This Author Cortificate presents a test stand for creating impact overloads? The stand contains a truss with controlling cables, a hoisting device, a platform for the investigated object, a cable with a suspension system, a cut-off mochanism, a braking mochanism, shock absorbers, and instruments for a cut-off mochanism, a braking mochanism, shock absorbers, and instruments for moasuring the platform drop rate. To increase the safety of the experiment and to exclude the effect of the prescribed height on the free fall of the platform, the stand is provided with a contactless mechanism for setting the height (see Fig. 1 on the Enclosure). It consists of a transmitting selsyn connected by a floxible shaft to the shaft of an electric tackle drum, a receiving selsym place in the frame of the mechanism, and a mechanism reductor. A setting indicater with a knob and contact, a aliding indicator with a contact, a height indicater selar	d /
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AUTHORS: Sterlikov, V. P.; Roy, E. V.; Chuchkin, V. G.; Rozhdestvenskiy, V. I.		i.
TITLE: Thermal flowmeter for small flow rates of liquid. Class 42, No. 168484	· · · ·	
SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 4, 1965, 72-73		
TOPIC TAGS: liquid flowmeter (
ABSTRACT: This Author Oertificate presents a thermal flowmeter for small flow rates of liquid. The device contains a thermocouple with two junctions as the sensing element, a measuring tube passing through the two-chambered case of a thermostated detector, and two thermostats maintaining a temperature drop between the detector chambers. To increase the accuracy of measurement, the thermo- couple is placed along the axis of the measuring tube. Both junctions are placed in one detector chamber (see Fig. 1 on the Enclosure). To increase the sensi- tivity of the device by creating an equilibrium temperature field in the region of the detector case, it is provided with additional chambers inside of which are mounted perforated tubes. Orig. art. has: 1 dingram. ASSOCIATION: none SUBMITTED: 29Nov63 ENCL. OI SUB CODE:: IE, ME NO REF SOV: 000 OTHER: 000		
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BELKOV, S.F.; STERLIKOV, V.V.

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Making large separators by means of liquid metal drop forging. Lit.proizv. no.2:8-9 F '60. (MIRA 13:5 (Die casting) (Forging) (MIRA 13:5)

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SIEK STEMAN, B.F.; BEBYANKIN, D.S.' akudenik. Boundary of the Middle and Upper Jurassic in the Donets Basin. Dokl.AN SSSR 90 no.5:867-868 Je '53. (MIEA 6:5) 1. Veesoyuznyy neftyanoy nauchno-iseledovatel'skiy geologo-razvedochnyy institut (for Sterlin). 2. Akademiya nauk SSSR (for Belyankin). (Donets Basin--Geology, Stratigraphic)

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STERLIN, V. P.		
USSR/Geology		
Card :	1/1	
Authors :	Sterlin, V. P.	
Title :	Boundary between Triassic and Jurassic formations in the Don Basin	
Periodical :	Dokl. An SS3R, 96, Ed. 4, 807 - 808, June 1954	
Abstract :	The changes in the formation of deposits in the Don Basin territory, which took place during the Jurassic and Tri- assic periods, and are evident from the conversion of the light colored Triassic deposits to the dark colored Jur- assic deposits, are discussed. Seven references.	
Institution :	Ukrainian Section of the All-Union Petroleum Scientific- Research Geological Institute	
Presented by:	Academician S. I. Mironov, March 26, 1954	
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USSR/Geology	V		 *. • -
Card 1/1	:	Pub. 22 - 35/48	н 1 с
Authors	1	Sterlin, B. P.	
Title	1	Nature of the joining of the Dnieper-Don depression and the Don fold- ing area	
Periodical	t	Dok. AN SSSR 97/5, 891-893, August 11, 1954	
Abstract	:	Stratigraphic and tectonic data on the joining of the Dnieper-Don de- pression and the Don River folding area in the Ukr-SSR. Six USSR re- ferences (1937-1953). Diagram.	× .
Institution	:	All-Union Scientific Research Petroleum Geological-Exploration Insti- tute, Ukrainian Branch.	
Presented by	:	Academician S. I. Mironov, April 10, 1954	
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STERLIN, B.P.

Conditions of formation of the Upper Bath deposits in the northwestern Donets Basin. Dokl.AN SSSR 104 no.5:765-766 0 '55. (MLRA 9:2) 1. Ukrainskoye otdeleniya vsesoyusnogo neftyanogo nauchno-issledo-

vatel'skogo geologo-razvedochnogo instituta. Predstavleno akadenikom S.I.Mironovym. (Donets Basin--Geology, Stratigraphic)

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