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BULGARIA/Chemical Technology. Chemical Products and Their Application, Part 3. - Fats and Oils. Waxes.

-

Scaps. Detergents. Plotation Agents.

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 72080.

Author: G. Rankov, A. Yovchev, N. Goranov.

Inst : Chemical Institute of Academy of Sciences of Bulgaria.

Title : Elaidination with Sulfur Containing Compounds.

1. Elaidination with Sodium Metabisulfite and Ammonium

Pentasulfide.

Orig Pub: Izv. khim. in-t, B"lg. AN, 1957, 5, 143-158.

Abstract: It was found that at the elaidination of oleic and

erucic acids, olive oil, joint mixture of fatty acids of rapeseed and olive oils(220°, from 3 to 20 hours) in the presence of 1 to 6% of alkali or

Card : 1/2

99

BULGARIA/Chemical Technology. Chemical Products and Their Application, Part 3. - Fats and Oils. Waxes. Scaps. Detergents. Flotation Agents.

Abs Jour: Referat. Zhurnal Khimiya, No 21, 1958, 72080.

alkali-earth metabisulfites (corresponding to 1% of ammonium pentasulfide), the process catalyst is the elementary S separating at the thermal dissociation of the above mentioned products. Elaidination with the elementary S has the following advantages: the process is carried out in an open vessel (without pressure), its duration can be limited by 3 hours, the final product does not acquire any dark color and, consequently, does not require washing with water.

Card : 2/2

BULGERI./Chemical Technology. Chemical Products and Their

Applications. Fats and Oils. Waxes. Soaps and

Detergents. Flotation i.gents.

hbs Jour: Ref Zhur-Khim., No 8, 1959, 29135.

Luthor : Rankov, G., Yovtchev, L., and Goranov, N.

: Dulgarian Academy of Sciences. Inst

: Note on the Elaidinization of Unsaturated Fatty Acids. Title

Orig Pub: Doklady Bulgar Akad Nauk, 10, No 2, 129-132 (1957)

(in German with aRussian surrary)

Abstract: Contrary to the claim which has been made (West

German patent No 894559; RZhKhim, 1955, 57083) that under given conditions of elaidinization with metabisulfites the possibility of free sulfur formation has been eliminated and that the retabisulfites therefore represent a completely new type of claidinization

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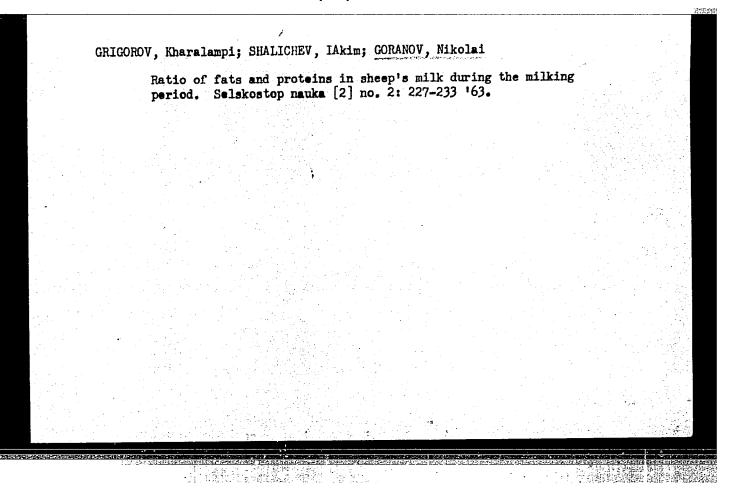
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BULGARIA/Chemical Technology. Chemical Products and Their Applications. Fats and Oils. Waxes. Scops and Detergents. Flotation Agents.

Abs Jour: Ref Zhur-Khim., No 8, 1959, 29135.

catalyst, the authors of the article have shown that under the conditions indicated in the patent, the metabisulfite decomposes with the formation of free sulfur. Thus under the conditions indicated the catalyst promoting the claidinization is not the meta bisulfite but the free sulfur formed by its decomposition. -- I. Milovanova.

Card : 2/2



Composition and properties of the milk of the Red Sadovo, Kula, Sofia Brown breeds and the crossbreds of Red Sadovo breed and Burolatvian and Red Danish bulls. Izv Zhivotn nauki 1 no.3:77-85 '64.	
1. Institute of Animal Husbandry, Kostinbrod.	

TANEV, Iv.; SHTEREV, P.; SHUBAROV, K.; GORANOVA, N. On diagnosis of the anictoric form of epidemic hepatitis. Suvr. med. 14 no.3:31-39 163. (HEPATITIS, INFECTIOUS) (ALANINE AMINOTRANSFERASES) (ASPARTATE AMINOTRANSFERASE) (LIVER FUNCTION TESTS) (BILIRUBIN) (BLOOD PROTEIN ELECTROPHORESIS) (DIAGNOSIS, DIFFERENTIAL) (ENZYME TESTS) (JAUNDICE)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516020013-3"

GORANOV Z.

BULGARIA/Diseases of Ferm Animals. Diseases Caused by Bacteria

and Fungi

Abs Jour: Ref Zhur-Biol , No 5, 1958, 21629.

Author : Iliyev, T., Goranov, Z., Prokopanov An., Arsov, R.,

Yovchev, . Khubenov, M., Girginov, G.

Inst: Higher Veterinary Medical Institute.

reintanto, reintin grandan

Title : On the Problem of Clinical Measures and Treatment

of Gangrenous Mastitis in Sheep and Goats.

a said was in the Orig Pub: Nauchn. tr. Vissh. Veterinarmed. in-t, 1956, 4, 109-128.

Abstract: Gangrenous mastitis infections in sheep and goats were more frequently observed during the lactation period. The course of the disease took hyperacute, acute, subacute and chronic forms. Only one half of the udder was affected. In severe cases of infection, intoxication and septicemia were observed, resulting in death

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GORANOV, Prof Zakhari; NEYCHEV, Dr Onufri; and KOYCHEV, Dr Krum /affiliations not given/.

"The Treatment of Abdominal and Ruminant Wounds in Cattle."

Sofia, Veterinarna Sbirka, Vol 60, No 10, 1963, pp 15-19.

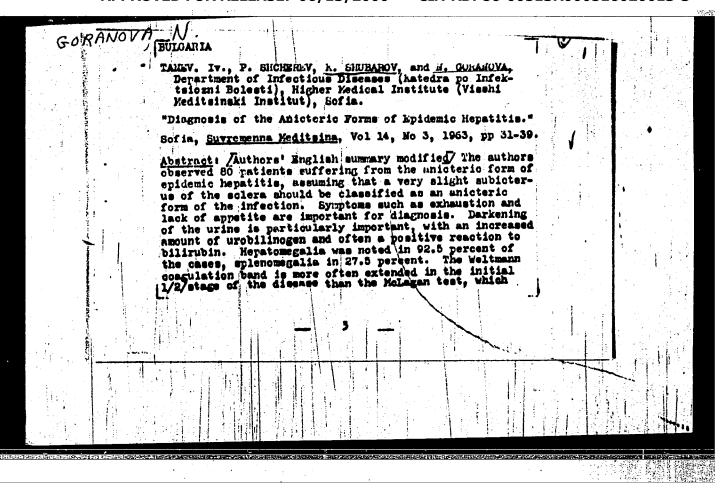
Abstract: The authors first describe the three most common instances of such wounds, viz., a fresh wound with a small linear opening in the abdominal wall and rumen (i.e., little rumen content), a fresh wound with a large opening in the rumen allowing much of its content to flow into the abdominal cavity, and an old wound accompanied by complications. The authors term erroneous the two methods most commonly applied in such cases, viz., the local or general application of antiseptics and antibiotics and operative treatment in the form of laparotomy, incomplete elimination of rumen content, and hermetic sealing of the rumen and abdominal wall. The authors recommend instead first radical operative revision in the form of a widening of the abdominal wound to permit the removal of the necrotic tissues. More preventive measures are also urged.

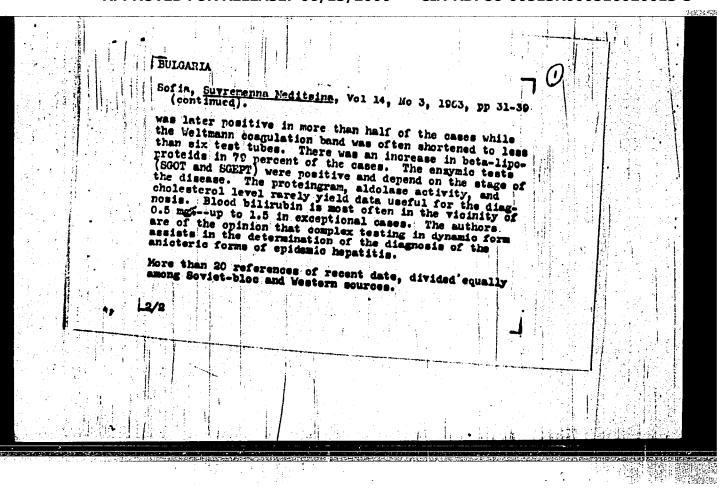
No references.

GURANUVA, N.

"From the Experience of the Permanent Commission for Public Health and Social Welfare p. 38" (ZDRANNO DELO) Vol. 6, No. 3, June 1952, Sofiya, Bulgaria.

SO: Monthly List of East European Accessions L.C. Vol. 2, No. 11, Nov. 1953, Undl.





GORANOVA, St. (Sofia)

Teaching on the theme "Energy" in the 9th grade. Mat i fiz Bulg 7 no.5:25-28 '64.

GORANOVA, V.

CORANOVA, V. Eastonian Donetz Coal Field. p. 16.

Vol. 5, no. 8, 1955 GEOGRAFIIA Sofiya, Bulgaria

So: E stern European Accession Vol. 5 No. 4 April 1956

BARANOVSKIY, M.A., kand.tekhn.nauk; GORANSKIY, G., red.; TRUKHANOVA, A., tekhn.red. [Handbook for a sheet-metal worker foreman] Spravochnik mastera-shtampovshchika. Minsk, Ges.izd-ve BSSR, 1953. 247 p. (MIRA 13:1) (Sheet-metal work)

GORANSKIY, G.K., kandidat tekhnicheskikh nauk; MOLO TOV, A., redaktor;

[Sharpening and finishing high-speed cutting tools] Zatochka i dovodka instrumentov dlia skorostnogo rezaniia. Minsk, Gos. izd-vo BSSR, red. nauchno-tekhn. lit-ry, 1953. 285 p. [Microfilm]. (Gutting tools) (MIRA 8:7)

DMITROVICH, A.M.; GORANSKIY, G., redaktor; TRUKHANOVA, tekhredaktor

[Basic principles for metal workshop practice] Osnovnye svedeniia po slesarnoi obrabotke metallov. Minsk, Gos.izd-vo BSSR red. nauchno-tekhn. lit-ry, 1954. 136 p. (MIRA 8:4) (Machine-shop practice)

YAKOVLEV, G.M.; GORANSKIY, G.K., redaktor; TRUKHANOVA, A., tekhnicheskiy redaktor.

[Drilling, countersinking and reaming] Sverlenie, senkerovanie, rasvertyvanie. Pod red. G.K.Goranskogo. Minsk, Gos. isd-vo BSSR, Red. nauchno-tekhn. lit-ry, 1954. 163 p.[Microfilm] (MLRA 8:2)

(Drilling and boring)

YUHKSHTOVICH, N.A.; GORANSKIY, G.K., redaktor; THUKHANOVA, A., tekhnicheekiy redaktor.

[Modern lathes and their operation] Sovremennye tokarnye stanki i rabota na nikh. Pod red. G.K.Goranskogo. Minsk, Gos. isd-vo BSSR, Red. nauchno-tekhn. lit-ry, 1954, 186 p. [Microfilm] (MERA 8:2)

BARANOVSKIY, M.A.; GORANSKIY, G., redaktor; TRUKHANOVA, A., tekhnicheskiy redaktor

[Fundamentals of blacksmithing] Osnovy kyznechnogo dela. Minsk, Gos. izd-vo BSSR, Red. nauchno-tekhn. lit-ry, 1954. 217 p.
(Blacksmithing) (MIRA 8:7)

GORANSKIY, G.K.; PIKUS, M., redaktor; THUKHANOVA, A., tekhnicheskiy reGENTUS**

[High production tools; cutters] Vysokoproisvoditel'nyi instrument;
reztsy. Minsk, Gos. isd-vo BSSR, Red. nauchno-tekhn. lit-ry, 1954.
221 p. [Microfilm]
(Gutting tools)

(Gutting tools)

YAKOVLHV, G.M.; GORANSKIY, G., redaktor; TRUKHANOVA, A., tekhnicheskiy redaktor

[Milling; manual for the operators of milling machines] Frezerovanie; spravochnoe posobie dlia frezerovanchika. Minak. Gos. izdvo BSSR, Red. nauchno-tekhn. lit-ry, 1954. 268 p. (MIRA 8:7) (Milling machines)

ALESHKEVICH, I.L., inzhener; GORANSKIY, G.K., kandidat tekhnicheskikh nauk, redaktor; THUKHANOVA, A., tekhnicheskiy redaktor.

[Experiment in introducing a system of high-speed metal cutting at the Minsk Tractor Plant] Opyt vnedrenia skorostnykh reshimov resaniia metallov na Minskom traktornom savode. Pod red. G.K.Goranskogo, Minsk, gos. isd-vo BSSR, redaktsiia nauchno-tekhn. lit-ry, 1955. 101 p. (MLRA 8:12) (Minsk--Metal cutting)

GORMZKO, P.A., inshener; GORANSKIY, G., redaktor; TRUKHANOVA, A., tekhnicheskiy redaktor

[At high speed; work practice of the Minsk auto plant in high-speed netal cutting] Na vysokikh skorostiakh; opyt raboty Minskogo avto-savoda po skorostnomu resaniiu metallov. Gos.isd-vo BSSR, 1955. 105 p.

(Minsk--Metal cutting) (MERA 9:1)

PIKUS, M. Yu.; GORANSKIT, G., redaktor; THUKHANOVA, A., tekhnicheskiy redaktor

[Cutting screw threads] Haresanie res'by. Minak, Gos.izd-vo
BSSR, 1955. 145 p. (Sorew cutting)

(Sorew cutting)

GORANSKIY.G.K.; YAKOVLEV.G., redaktor; TRUKHANOVA,A., tekhnicheskiy

[Metal cutting; fundamentals on metal cutting processes] Resanie metallov; osnownye poniatiia o protessakh resaniia metallov.

Minsk, Gos.izd-vo BSSR, 1955. 187 p. (MLRA 9:1)

(Metal cutting)

GORANSKIY, G.K., kandidat tekhnicheskikh nauk; PIKUS, M., redaktor; HUKHANOVA, A., tekhnicheskiy redaktor.

[Profiling] Fasounce tochemie. Minsk, Gos.isd-vo BSSR, 1955. 283 p. (Metal cutting) (MIRA 9:1)

YURESHTOVICH, N.A.; COMANSKIY, C.K., redaktor; KALECHITS, C., tekhnicheskiy redaktor.

[Planing machines and their operation] Strogal'nye stanki i rabota na nikh. Pod red. G.K.Goranskogo. Minsk, Gos. isd-vo BSER, 1956. 91 p. (Planing machines) (MLBA 9:5)

GORANSKIY, G.

PHASE I BOOK EXPLOITATION

366

Yakovlev, G.M.

Kachestvo poverkhnosti i tochnost' obrabotki na metallorezhushchikh stankakh (Surface Quality and Precision in Machining Metals) 'Minsk, Gos. izd-vo BSSR, 1956. 113 p. (Bibliotechka rabochego mashinostroitelya) 3,000 copies printed.

Sponsoring Agency: NTO Belmashprom respublikanskiy dom tekhniki Ed.: Goranskiy, G.; Tech. Ed.: Stapanova, N.

PURPOSE: The book is intended for fourth-to-seventh class machinists, and it may be useful to machine shop foremen, MTS mechanics, and students in trade and technical schools.

COVERAGE: The author acquaints skilled workers with the physical and mechanical properties of the surface layer, smoothness of machined surfaces, and precision of machining, as well as with contemporary finish machining methods. Data on surface-

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layer forming processes during machining operations and co (standardization) of the degree of surface finish are incl There are no references.	ntrol uded.	
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DMITROVICH, A.M.; GORANSEIY, G., redaktor; STEPANOVA, M., tekhnicheskiy redaktor.

[Metals in machine building] Metally v mashinostrdenii. Minsk, Ges.ind-ve BSSR, 1956. 166 p. (MIRA 9:6) (Machinery industry)

PIKUS, Mikhail Yur'yevich, kend.tekhn.nauk; GORANSKIY, G., red.; TRUKHANOVA,A.
tekhn.red.; KALECHITS, G., tekhn.red.

[Gear cutting] Beresanie subchatykh koles. Minek, Gos. izd-vo BSS2,
1957. 179 p.
(Gear-cutting machines)

GORANSKIY, GEORGIY KONSTANTINOVICH

N/5 602.2 .06

Novyye puti Avtomatizatsii Proizvodsiva (New ways of automation in production) Minsk, 1958.

35 p. Illus., Diagrs.

At head of title: Obshchestvo Po Rasprostraneniyu Politicheskikh)I Nauchnykh Zmaniy Belorusskoy SSR, No. 13.

25(7)

PHASE I BOOK EXPLOITATION

SOV/3129

Goranskiy, G.K.

Vysokoproizvoditel'nyy instrument; instrument dlya obrabotki otverstiy (High-efficiency Tools Tools of Mackining Holes)Minsk, 1959. 258 p. (Series: Bibliotechka rabochego mashinostroitelya) Errata slip inserted. 3,000 copies printed.

Ed.: F. Kashtanov; Tech. Ed.: N. Stepanova.

PURPOSE: This book is intended for designers, process engineers, and workers in repair shops and machine-building plants.

COVERAGE: Information on high-speed cutting tools, carbide-tipped drills, and reamers for roughing and finishing is presented. The book is a systematic summary of Soviet literature in these fields. Material from GOST and other official standards is included. Reference data for designing tools and processes for machining holes are given. No personalities are mentioned. There are 23 references, all Soviet.

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VLADIMIROV, Yevgeniy Vladimirovich; inzh.; INEPROVSKIY, Yevgeniy Vasil'yevich, inzh. Prinimel uchastiye GORANSKIY, G.K., kand.tekhn.neuk; POL'SKIY, S., red.; STEPANOVA, N., tekhn.red.

[Effective and automatic checking of machined parts on automatic machine tools and automatic lines] Aktivnyi i avtomaticheskii kontrol detalei na stankakh-avtomatakh i avtomaticheskikh liniiakh. Minsk, Gos.isd-vo BSSR. Red.nauchno-tekhn.lit-ry, 1960. 138 p. (MIRA 13:10)

(Machinery, Automatic)

(Machine-shop practice)

GRIGOR'YEV, Sergey Sergeyevich; inzh.; LEBEDEV, Anatoliy Maksimovich, inzh.:
Prinimal uchastiye GORAHSKIY, G.K., kand.tekhn.nauk. KASHTANOV, P.,
red.; STEPANOVA, E., tekhn.red.

[Automatic adjustment and readjustment of machine tools and cutting tools in sutomatic production lines and automatic machines] Avtomaticheskeis naladka i podnaladka stankov i instrumentov v avtomaticheskikh liniiakh i stankakh-avtomatakh. Minsk, Gos.isd-vo BSSR.
Red.nauchno-tekhn.lit-ry, 1960. 178 p. (MIRA 13:10)
(Machinery, Automatic-Maintenance and repair)

PHASE I BOOK EXPLOITATION SOV/5584

Goranskiy, Georgiy Konstantinovich

Ratsional'noye ispol'zovaniye metallorezhushchikh stankov (Rational Use of Metal-Cutting Machine Tools) Minsk, Gosizdat BSSR, 1960. 226 p. 3,000 copies printed.

Ed.: S. Pol'skiy; Tech. Ed.: N. Stepanova.

PURPOSE: This book is intended for technical personnel, department supervisors, economists, shop foremen, and workers in machine-building enterprises.

COVERAGE: A number of problems concerning the more efficient utilization of metal-cutting machine tools are reviewed. Detailed investigations are made of possible unused machine-tool capacities which may allow for an increase in output, and of various methods of decreasing cycle time, setup time, and other time allowances encountered in the operation, setup, and repair of machine tools. Basic trends and problems in the modernization of machine tools are discussed; all such problems are illustrated with examples taken from Soviet plant practice. Necessary design formu-

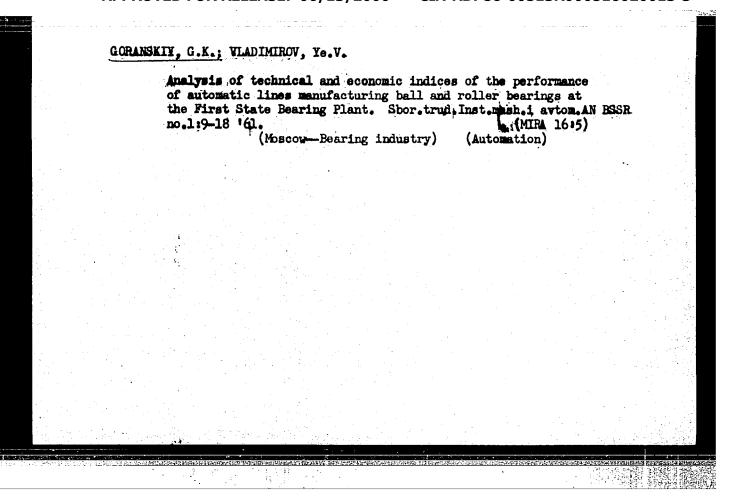
Rational Use of Metal-Cutting (Cont.) SOV/5584		
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GORBATSEVICH, Aleksandr Feliksovich [Horbatsevich, A.F.]; KUZNETSOV,
Vladimir Petrovich; GORANSKIY, G.K., kand. tekhn. nauk, red.;
TMOFEYEV, L., red. 12d-va; TURTSEVICH, L., tekhn. red.

[Automatic lines for manufacturing gear wheels] Avtomaticheskie
linii dlia proizvedstva zubchatykh koles. Minsk, Izd-vo Akad.
nauk BSSR, 1961.* 132 p.

(Gear-shaping machines) (Automation)

(Gear-cutting machines)



GORANSKIY, Georgiy Konstantinovich; BLOKH, A.Sh., kand. fiziko-matem. nauk, red.; BELIZATSKAYA, L., red. izd-va; SIDERKO, N., tekhn. red.

[Theory of the automation of engineering work; using algorithms in designing machine tools]K teorii avtomatizatsii inzhenernogo truda; algoritmizatsiia proektirovaniia metallorezhushchikh stankov. Minsk, Izd-vo Akad. nauk BSSR, 1962. 214 p. (MIRA 16;3) (Machine tools-Design and construction) (Algorism)

S/271/63/000/003/048/049 A060/A126

AUTHOR:

Goranskiy, G.K.

TITLE:

Use of digital electronic computers for calculating optimal cutting

PERIODICAL: Referativnyy zhurnal, Avtomatika, telemekhanika i vychislitel naya tekhnika, no. 3, 1963, 83, abstract 3B489 (In collection "O proiz-

voditel nosti avtomat. mashin", Minsk, AN BSSR, 1962, 88 - 98)

TEXT: Methods are proposed for determining the optimal cutting schedules on various metal cutting machine tools using mass-produced digital computers. The optimality criterion of the selected cutting schedule is taken to be the unit cost of the operation; however, also other criteria may be adopted (productivity, tool wear, etc.). For the selection of an optimal schedule various equations are set up, characterizing all the possible laws of the metal cutting processes, and also the dependences between the kinematics and dynamics of the machine tool, the cutting capacities of the tool, the organization of tool economy and the economics of production, the specified productivity, and other fac-

Card 1/2

Use of digital electronic computers for

s/271/63/000/003/048/049 A060/A126

tors influencing the selection of the cutting schedules. The obtained system of equations is optimized by the methods of linear programming. A simplified method is proposed in accordance with which algorithms are developed for solving the following problems using a digital computer: Optimal one-tool processing in one pass; one-tool processing in several passes, and multi-tool processing. Also auxiliary programs have been developed for determining the cost per 2 min of operation of the machine tool, the economic cost of the tool and the cost at greatest productivity. As an illustration a method is considered for optimizing a system of equations and inequalities for a single-tool processing in several passes. It is noted that if under the technical limitations it is impossible to attain the required productivity then the digital computer in accordance with its program will indicate the possible productivity. There is 1 figure.

A. S.

[Abstracter's note: Complete translation]

Card 2/2

GORANSKIY, G.K., inzh.

Using electronic digital computers in the automation of design and construction work. Makh. i avtom. proizv. 16 no.6:45-50 Je '62.

(Electronic digital computers) (Automation)

(Machinery—Design)

GORANSKIY, G.K.; SFEVCHENKO, V.S.

Determining optimum structural parameters for the pumping units of gear pumps (engines) using the methods of linear programming.

Nauka - proizv. no.1:80-89 '63. (MIRA 18:3)

GORANSKIY, Georgiy Konstantinovich; KASPER, M., red.; YERMOLENKO, V.,

[Using electronic computers in calculating cutting conditions]
Reachet reshimov resamila pri pomoshchi elektronno-vychislatel'nykh mashin. Minek, Gos.izd-vo RSSR, 1963. 191 p.

(Metal cutting)

(Retal cutting)

(Electronic digital computers)

ZAK, Grigoriy Gavrilovich; RUBINSHTEYN, Lev Iosifovich; GORANSKIY.

G.K., kand. tekhn. nauk, red.; BARABANOVA, Ye., red. izd.va; VOLOKHANOVICH, I., tekhn. red.

[Machinery designer's handbook] Spravochnik konstruktora (mashinostroitelia). Minsk, Izd-vo Akad. nauk BSSR, 1963. 567 p. (MIRA 16:5) (Machinery-Design and construction)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516020013-3"

GORANSKIY, Mikhail Nikolayevich, kand.ekon.nauk; PSHONIK, B.M., starshiy red., otv. za vypusk; KOVAL', A.Ye., red.; ZIMA, Ye.G., tekhn. red.

[The 22d Congress of the CPSU on the consolidation of the economic and defensive power of the U.S.S.R.] XXII s"ezd KPSS ob ukreplenii ekonomicheskogo i oboronnogo mogushchestva SSSR. Minsk, 1962. 27 p. (Obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii Belorusskoi SSR, no.10)

(Russia—Economic policy) (Russia—Defenses)

GORANSKIY,	VLADIMIR ALEKSANDROVICH	deceased a 1966	1961/I
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AUTHORS: Goranskiy, V.V., Malkina, Kh.E. and Pukhov, A.P.

TITIE: Preheating Tyre Casings Before Moulding and Vulcanisation (Nagrev pokryshek pered formovaniyem i vulkanizatsiyey)

PERIODICAL: Kauchuk i Rezina, 1958, Nr 11, pp 11 - 17 (USSR)

ABSTRACT: Preheating improves the strength of bond between the parts of the tyre by increasing the interaction between rubber mixes at the interfaces between layers, as a result of higher plasticity and dispersibility. It gives increased adhesiveness at these surfaces through diffusion of sulphur into the rubber mass away from the surfaces and reduction of stresses in the casing at different stages of the manufacturing processes.

With preheating before moulding or before vulcanisation, tyres show increased lives on rig test and considerable decrease in scatter between greatest and least lives on test. Best results are obtained where tyres have been preheated by high-frequency current and are subsequently pressed and moulded without intermediate cooling, as shown in Table 1. Figure 1 shows the plasticity of different mixes used in the tyre against temperature. A sufficient degree of plasticity for satisfactory moulding is attained in the breaker and carcass mixes at 60 - 70 °C, whereas

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SOV/138-58-11-4/14 Preheating Tyre Casings Before Moulding and Vulcanisation

the tread mix is much less plasticised at this temperature. Equilibrium between the solubility of sulphur and the content of sulphur in the mix occurs at about these temperatures. Experiment shows that preheating to this temperature gives least relaxation and greatest improvement in tyre quality. Higher temperatures can lead to porosity and pre-vulcanisation. Average breaker rubber mix is subject to pore formation at 73 °C and in natural rubber tyres the breaker mix is the most sensitive to prevulcanisation. Tyres may remain in a pre-heated condition for 40 - 50 min if their temperature does not exceed 70 - 80 °c. Different parts of a tyre have different electrical characteristics which leads to unequal temperature distribution in a high-frequency heating field. The simplest and most effective arrangement for HF heating is between parallel electrodes, as shown in Figure 2. Temperature differences in an unmoulded synthetic rubber tyre preheater for 8 to 10 minutes in an HF field at 8 kV and 11 megacycles are shown in Table 2 and Figure 5. Dielectric constant times loss angle gives a lower loss factor for the tread part of the tyre than the internal parts, so,

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Preheating Tyre Casings Before Moulding and Vulcanisation

assuming that the specific heats of the different rubber mixes are similar, the carcass and breaker rubber will attain higher temperatures. This is a desirable state of affairs and is one of the advantages of HF heating as compared with preheating by hot air. Heat treatment may also be applied to moulded tyres before vulcanisation. In this case, temperature distributions are as shown in Table 4 and Figure 6. (Figures 5 and 6 show temperature distributions with HF heating and with hot-air heating.) Where a moulded tyre is preheated before vulcanisation, the scatter on life test is reduced if the tyre is subsequently cooled before vulcanisation. The curing bag attains a high temperature on account of water in the composition of the lubricating medium used on the surface of the bag. The authors suggest that the best effects of heat treatment are obtained with two-stage treatment before moulding and before vulcanisation; comparisons of rig test lives with HF heating at different stages of manufacture are given in Table 6. Heat treatment of vulcanised tyres is also beneficial, having an annealing effect upon stresses remaining in the

Card3/5

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516020013-3"

Preheating Tyre Casings Before Moulding and Vulcanisation

show double life, on average, and great reduction in scatter.

Results of field tests on three different classes of road surface are shown in Tale 7, and confirm that tyres subjected to HF heat treatment before moulding and vulcanisation have substantially better life than standard tyres, particularly on bad surfaces.

HF heating shortens vulcanising time, particularly as the curing bag is brought up to its operating temperature during preheating. Vulcanising time can be reduced from 110 minutes at 145 °C (with standard vulcanisation) to 76 minutes at 160 °C with HF preheating, with sneral improvement in bond strength between layers as is evidenced in Table 9. Table 10 compares rig test lives of tyres with lives of tyres vulcanisation for 110 minutes at 145 °C with lives of tyres vulcanised for shorter times at higher temperatures following HF heat treatment. Vulcanisation for 80 minutes at 155 °C following HF heating gave more than double life.

Card4/5 Figures 7 and 8 show plant for preheating tyres. The lower

Preheating Tyre Casings Before Moulding and Vulcanisation

electrode is formed by a conveyor belt constructed from aluminium angle sections. The upper electrodes are aluminium plates which can be raised or lowered in hydraulic rams and which are brought close to but not in electrical contact with the tyres. Tyres are preheated in this plant after moulding, before vulcanisation, for 4 1/2 minutes at 8 kV and 17 megacycles. Power consumption per tyre is 3.5 to 4 kWh. The use of HF heating is not satisfactory with tyres containing electrically conductive material such as carbon black, as the presence of conductive particles on the surface of the tyre leads to instability in the heating process through short-circuiting. There are 8 figures and 10 tables.

ASSOCIATIONS: Moskovskiy shinnyy zaved (Moscow Tyre Factory)
Nauchno-issledovatel'skiy institut shinnoy promyshlennosti
(Research Institute for the Tyre Industry)

Card 5/5

GORANSKIY, V.V.; MESHKOVSKAYA, M., red.; KUZNETSOVA, A., tekhn.
red.

[We made durable tires] Delaem prochnye shiny. Moskva,
Mosk. rabochii, 1963. 47 p. (MIRA 16:7)

1. Glavnyy inshener Moskovskogo sninnogo zavoda (for
Goranskiy). (Tires, Rubber)

DZIUNIKOWSKI, Kazimierz, doc. mgr inz.; MARCHEWKA, Jan mgr inz.; GORASDZA, Ginter

First industrial tests of using roof bolting in working thick coal seams in their entire thickness. Glow inst gorn prace no. 338:1-15 '64.

1. Central Mining Institute, Katowice.

SOURCE CODE: UR/3222/65/000/008/0107/9116 AUTHOR: Kusmetsov, A. I. (Candidate of technical eciences); Gerael (Aspirent) study of wave pressure of progressive waves on Goouderstvennyy proyektno-konstruktorskiy i nauchno-isoledovetel skiy institut morekogo transporta. Trudy, no. 8(14), 1965. Volnovyye isoledovaniey; inshenerayye isyskeniya (Neve studies; engineering research), 107-116 TOPIC TAGE: ocean dynamics, spectrum analysis ABSTRACT: The pressure exerted on a vertical wall by sliding progressive waves also the surface of the well and change in pressure as a function of wave parameters is experimentally studied in shallow water somes. Sliding waves are formed along harbor sides of wavebreakers as a result of diffraction of incident waves from the sea side around the wavebreaker heads. This experimental study was made during 1963--1964 in Odessa. A pool 15.45 m long, 0.98 m wide, and 1.5 m high was used; waves 0.6 to 6 m long were artificially generated at water depths of 40 to 60 cm. The experien sults were compared with theoretical results. Although voluminous data were obtain no clear relationship between the pressure due to progressive veves and w

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ACC NRI AT6028811 (N)APPROVED FOR RELEASE: 06/13/2000 CODECIAHRD286-90513-9999516920013-3"

AUTHOR: Gorashchenko, 2. A. (Aspirant)"

ORG: none

TITLE: Some results of laboratory studies of wave loading on bounding structures at

SOURCE: Moscow. Gosudarstvennyy proyektno-konstruktorskiy i nauchno-issledovatel'skiy institut morskogo transporta. Trudy, no. 8(14), 1965. Volnovyye issledovaniya; inzhenernyye izyskaniya (Wave studies; engineering research), 116-119

TOPIC TAGS: ocean dynamics, spectrum analysis

ABSTRACT: A laboratory study to determine the wave pressure on a vertical wall as a function of the wave incidence angle was made during 1962--1964. The study was made in a large pool with a constant depth of 40 cm. The bounding structure, a vertical wall, was made from wood and had the following dimensions: length, 5 m; and height, 75 cm. Wave pressure was measured at wave incidence angle intervals of 15 or 30° with respect to the wall by rotating the wall. The resultant wave pressure on the vertical wall, in shallow water zones, was found to be a function of three parameters: the incidence angle, the ratio of wall height and wavelength, and the ratio of waveheight and wavelength. Orig. art. has: 1 figure. SUB CODE: 08/ SUBM DATE: none / ORIG REF: 003

VOLAROVICH, M.P.; GORAVSKIY, M.A. [Horawski, M.]; CHURAYEV, N.V.

Effect of the dispersion medium on filtration in peats. Koll.zhur.
26 no.1:22-27 Ja-F '64.

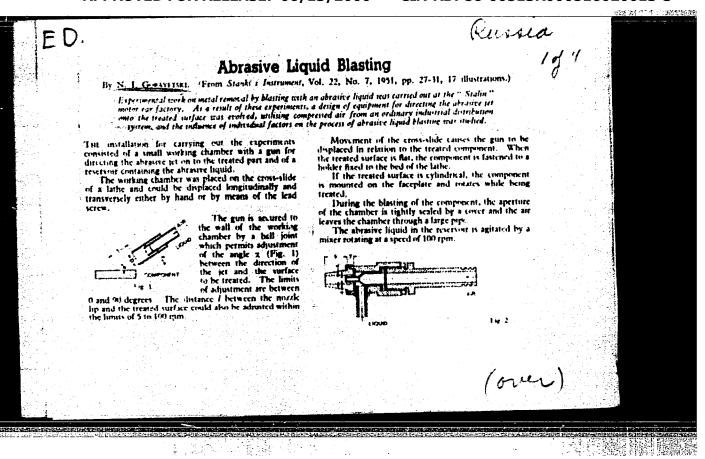
1. Kalininskiy torfyanoy institut i Vrotslavskaya shkola sel'skogo khozyaystva, Pol'sha.

GORAYETSKIY, N. I., Engineer

Mbr., ZIS (-1945-)

"Honing Hales and External Surfaces with Hydraulic Hones," Stanki I Instrument, 16, No. 12, 1945

ER-52059019



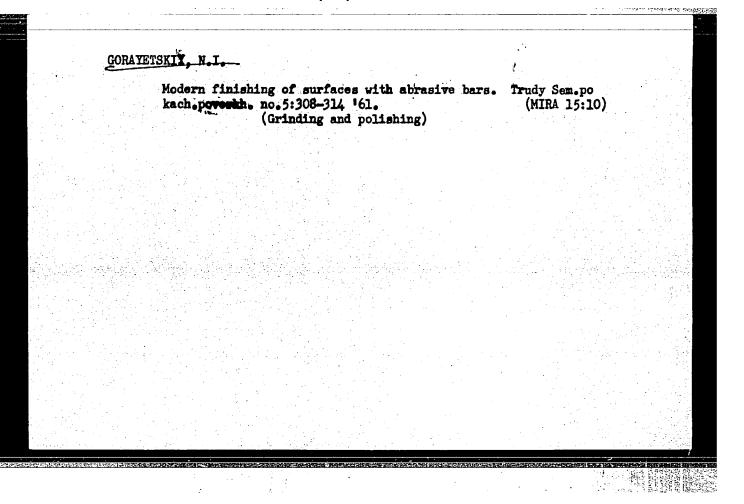
•	Research in the field of lapping holes by abrasive bricks at Likhachev Automobile Plant. Trudy Sem. po kach. poverkh. no. (NIE	3: A 10:11)
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GORAYETSKIY, N. I., Candidate of Tech Sci (diss) -- "Investigation of the process of honing the openings in automobile parts and increasing its effectiveness".

Moscow, 1959. 15 pp (Min Higher Educ USSR, Moscow Automotive Mech Inst), 110 copies (KL, No 22, 1959, 114)

Honing holes in hardened pinion gears instead of grinding. Avt.prom. no.8:30-32 Ag 160. (MIRA 13:8)	
1. WIITAvtoprom. (Grinding and polimhing)	

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	Inc 12-	reasing 14 N '60	•	oy of honing.	str. 31 no.11 (MIRA 13:	ii)



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S/122/60/000/011/015/020 A161/A127

AUTHOR:

Gorayetskiy, N. I., Candidate of Technical Sciences

TITLE:

Peculiarities of the hole honing process

PERIODICAL:

Vestnik mashinostroyeniya, no. 11, 1960, 70 - 72

TEXT: Hole honing operations have been investigated; the study included oscillographing. Some peculiarities have been revealed, and the article contains information on a part of the observations that have been made. In honing with constant feed effort (spreading of the abrasive blocks) the cutting intensity rapidly drops during the first 10 - 40 sec (Figure 1) and the empirical dependence of the removed metal volume W and cutting intensity N_M from time T can be expressed in the equations:

$$W_{M} = C_{M} T^{n_{M}}$$

$$W_{M} = \frac{d W_{M}}{d T} = \frac{n_{M} C_{M}}{T^{1+n_{M}}}$$

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Peculiarities of the hole honing process

S/122/60/000/011/015/020 A161/A127

where C_M is a constant coefficient, and n < 1. The allowance removal rate drops more slowly than the cutting intensity, for at the beginning the allowance is less filled with metal. The initial roughness of the hole surface (H) is a most important factor, the surface fills with metal as roughness decreases, and ever more abrasive grains participate in cutting; the radial and tangential forces acting on the protruding grains decrease; the grains are dislodged and less intensively broken and gradually the outting edges on the grains even out. The initial cutting intensity must be restored by honing a part with high initial roughness, but not too rough (this causes excessive wear, or crumbling). In the experiments, H raised from 1 to 3 micron, speeded up the wear of honing blocks 2.5 times. It was observed; 1) That no self-sharpening takes place in the conventional sense; 2) The cutting capacity can only be restored by replacement of the workpiece by one with proper roughness; 3) The metal volume that can be removed from one part is limited by dropping the cutting rate, the process cost, and the required finish; 4) The assumption is wrong that the process remains constant during the honing of one part. After working-in the mean cutting intensity for the cycle can drop further during a transition period (Figure 3); this happens when the initial cutting capacity of the blocks has not been fully restored. Prolonged honing intended

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Peculiarities of the hole honing process

S/122/60/000/011/015/020 AI61/A127

to remove a larger allowance (with other conditions maintained constant) may even lead to a contrary result, i.e., less metal will be removed because of the blunted abrasive blocks. The major mistake in practice is that blunted honing tools are used for hard metal (cast iron, steel, chromium); another mistake is to use too slightly blunted tools for finish honing of hard metal, and particularly of soft (brass, bronze, silumin). The following must be also considered: blunting speeds up with the increasing relation of rotation to onward motion of the tool, reducing specific pressure, higher hardness of the abrasive, higher viscosity of cutting fluid (adding mineral oil to kerosene), and slowed-down spreading of the blocks for contact with the work surface. It is recommended to keep the honing time short For instance, machining of holes of medium length (automative industry) in steel will last 8 - 15 sec, and in cast iron 12 - 20 sec. If a higher finish is required an allowance of 0.005 - 0.01 mm is sufficient for finish honing, and if the honing blocks grain is "M28", 6 sec. are needed to produce finish class $\sqrt{8}$, about 12 sec. for finish $\nabla 9$, and 24 sec for $\nabla 10$. With such results, honing can and ought to replace grinding in many cases: (such as in the making of gears, or ball bearing races). There are 4 figures.

Card 3/5

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	1. Mauchno-issled	lovatel'skiy ins	stitut avtom	obil'noy prom	ysh-	
		(Grinding and	polishing)			

GORAYKO, F.A., inshemer.

Mass advantageous parameters for three-point speed graph for electric meters. Yest, elektropres. 28 ne. 3:56-59 Mr '57. (MIRA 10:4)

1. L'vevskiy politekhnicheskiy institut. (Electric meters)

GCRAYKO, F. A., Candidate of Tech Sci (diss) -- "Rational dynamic systems of electric drive". L'vov, 1959. 19 pp (Min Higher Educ Ukr SSR, L'vov Polytech Inst), 150 copies (KL, No 22, 1959, 114)

GORAYKO, F.A., kand.tekhn.nauk (L'vov)

Design of electric drives for repeated short time mode of operation using the minimum installed capacity criterion. Elektrichestvo no.9:70-73 S '63. (MIRA 16:10)

GORAYSKI, Kasimiers, USZYCKA, Krystyna

Late results of suturing for prevention of cervical rupture following labor. Gin.polska 29 no.1:15-18 Jan-Feb 58.

1. I Kliniki Polosnictwa i Chorob Kobiecych A.M. w Warssawie.
Kierownik Kliniki; prof. dr med. A. Szysewicz i z Oddzialu Polosnicze-Ginegkologicznego Instytutu Gruslicy w Warssawie. Kierownik Oddzialu: prof.dr. M. Bulska.

(CERVIX, UTERINE, rupt.
in labor, prev. by suturing, indic. & results (Pol))
(LABOR, compl.
cervical rupt., prev. by suturing, & results (Pol))

VOLAROVICH, M.P.; GORAZDOVSKIY, T.Ya.; PARKHOMENKO, E.I.

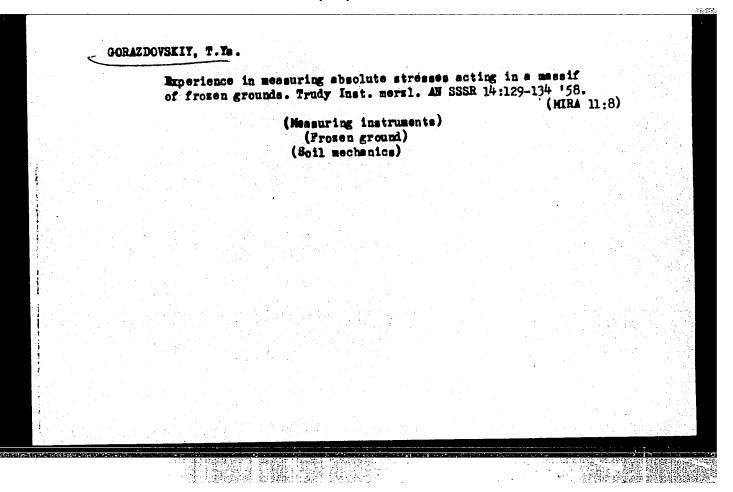
Study of thin pieces of rock under shearing by torsion and pressure from one side. (In: Soveshchanie po eksperimental'noi mineralogii i petrografii. 4th, Moscow, 1952. Trudy, Moskva, 1953. No.2, p.230-236.)
(MLRA 7:3)

'1. Institut geofisikii Akademii nauk SSSR.

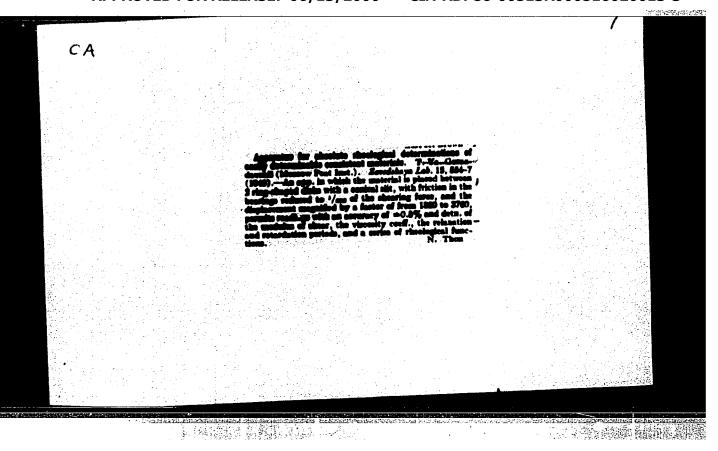
(Rocks)

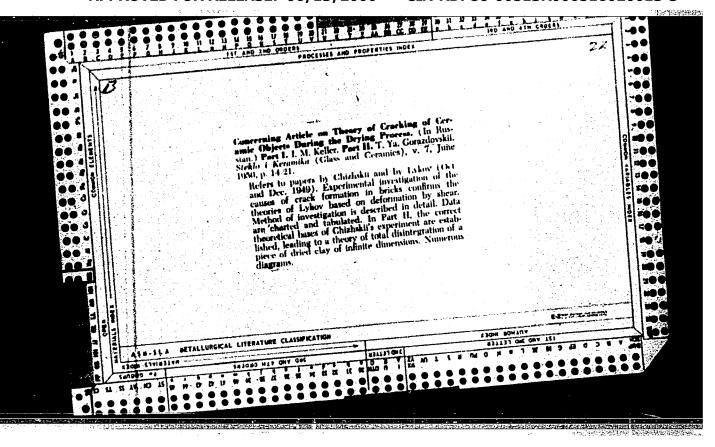
Theoretical prerequisites of the method used in forecasting the disintegration of permanently frozen ground and ice fields. Frobl.Arkt. no.5:81-92 '58. (MIRA 13:5) (Ice) (Frozen ground)

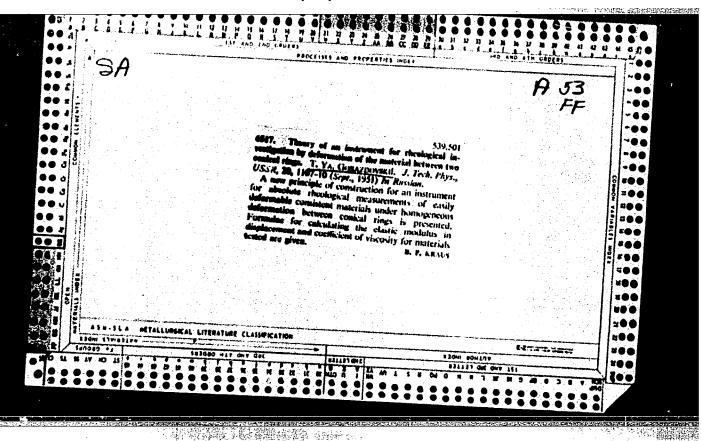
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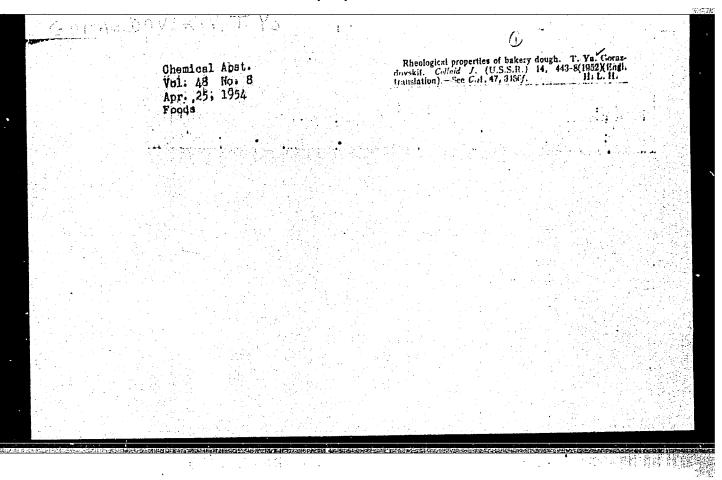
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the state of the s	HESR/Engineering (Contd) Jan/Reb penresentation: for the "coefficient of filling" potals of gas-worms cambe used effectively in Taboratory experiments to determine slip probles of various dispersed systems, and friction they create when acting with various materials. 15/4979	Engineering Kinematics Kinematics Kinematics Of X-Rays for Kinematic Analysis Of Dispersed Systems in Worm Gear rowich, T. Ya. Gorazdovskiy, Chair ow Peat Inst, 4 pp loid Zhur" Vol XI, No 1 loid Zhur" Vol XI, No 1 s analytical and synthetic project w-thread line. Shows that dispers fill the whole space between gear fill the whole space between gear it is possible to obtain's geome







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GERAZ DONSKIYT. YA.

USSR/Physical Chemistry - Liquids and Amorphous Bodies. Gases, B-6

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 307

Author: Gorazdovskiy, T. Ya., and Regirer, S. A.

Institution: None

Title: Motion of a Newtonian Liquid Between Two Rotating Coaxial Cylinders in

the Presence of Internal Heat Processes Affecting the Viscous Proper-

ties

Original

Zh. tekhn. fiziki, 1956, Vol 26, No 7, 1532-1541 Periodical:

Abstract: It was found that during the investigation of the viscosity of liquids

with the rotational viscosimeter strong initial heating of the liquid could be observed; this heating altered the rheological properties of the liquid under investigation. Starting with the basic differential equations describing the motion of a viscous liquid, the authors have solved the problem of the flow and heat exchange in a viscous layer between 2 rotating coaxial cylinders of infinite length, taking into

account the dissipation of energy, heat conductivity, and the

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USSR/Physical Chemistry - Liquids and Amorphous Bodies. Gases, B-6

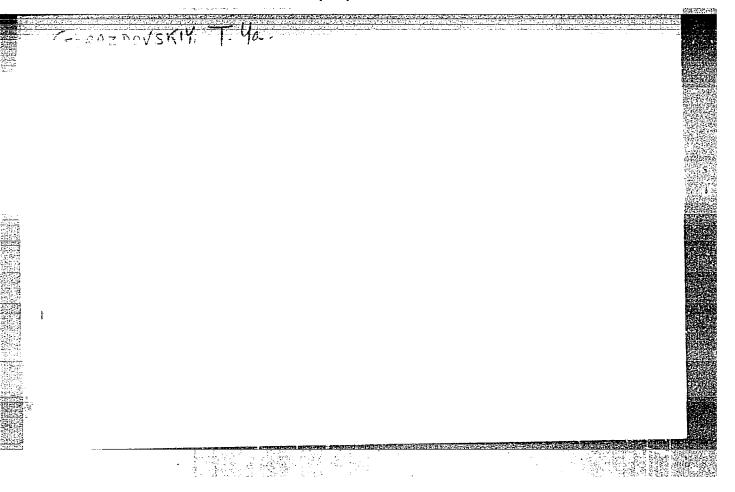
Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 307

Abstract: dependence of the viscosity on the temperature during steady-state conditions. The indicated method of partial solutions is applicable to the treatment of viscosimetry experiments and to the determination of the temperature variation of the viscosity in the neighborhood of the given temperature. A comparison of the method with isothermal theory is given and the applicability of such methods to viscosity studies, particularly of structured systems.

Card 2/2

Pneumatic transducers used in precise measurements in the wide range of linear measures. Iss. tekh. no.3:22-23 My-Je '57. (MLRA 10:8) (Gauges)

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5/272/63/000/001/006/006 E194/E155

AUTHORS:

Rubtsov, V.K., and Gorazdovskiy, T.Ya.

TITLE:

A high-temperature X-ray chamber

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk, Metrologiya i izmeritel'naya tekhnika, no.1, 1963, 113-114, abstract 1.32.763. (Tr. N.-i. i eksperim. in-ta podshipnik. prom-sti, 1 (21), 1960, 155-167)

The chamber described is type PBK3 (RVKE), for highspeed X-ray photography of polycrystals and intended mainly for physical-technical investigation of high-temperature steels. Chamber type PKK 9 (RKKE) is a development of chamber type PK 3T -600 (RKET-600); it can produce X-ray photographs at temperatures between room and +1000°. The actual chamber is on three levelling screws; a frame carries a film holder, and an electric motor oscillates the specimen. A heater, a magnetic coupling, and a mechanism for setting the angle of focusing are provided. The frame of the chamber is a soldered brass box (with lid) consisting of two side pieces whose front ends are milled into a cylinder. The front part of the chamber is soldered to Card 1/3

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the ends with a slot which is the screen for the film holder. slot, 7 mm wide, is covered on the outside with aluminium foil secured by adhesive. In addition, the foil is pressed on by a special additional sector (with slot) which also covers the film holder. Two terminals bring connections through the rear wall of the chamber to the heater and thermocouples. Windows are cut in the side wall for fixing on the one hand the bosses of the magnetic coupling and on the other bosses for fixing a small wheel with a dial by which the heater can be turned to the required angle. A union for extracting air is built into the chamber and there is an inlet in its roof. The film holder, located below the primary beam, is designed for 7 frames (each 7 mm wide) and can record angles of 88 to 60°. A handle brought out below the base is used to move the film holder in guides to change frame. A resistive heater within the chamber can be set at the necessary angle of focus by a mechanism brought to the outside, and can be oscillated by 180° around an axis perpendicular to the plane of the specimen by an electric motor type C 八-2 (SD-2) operating through a magnetic coupling. The temperature on the specimen is maintained by an electric thermostat of the customary Card 2/3

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contact-millivoltmeter type. X-rays direct from the tube focus reach the plane of the specimen surface in a broad band and on reflection from the atomic planes of the crystals are focused on the photo film which is arranged on the arc of a circle whose center lies on the surface of investigation of the specimen. Focusing is ensured by making the investigated plane surface of the specimen a tangent to the cylindrical surface which passes through the focus of the tube, the specimen, and the line recorded on the film. The breadth of the X-ray line is approximately 0.3 - 0.4 mm. The exposure is several minutes. The parameters of the instrument are: distance from center of specimen to film 114.59 mm; distance from tube focus to center of specimen 174.59 mm; distance from tube focus to film 60 mm. Stability, uniformity and measurement of temperature are discussed, also the thermal insulation of the specimen and heater. Diagrams are given of the X-ray optical circuit and of displacement of the specimen. The conditions of focusing are calculated. Preliminary tests on the chamber showed that it operated reliably. 6 figures.

Abstractor's note: Complete translation.

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[Flaw detection in materials] Defektoskopiia materialov. Izd.2., perer. Moskva, Gos. energ. izd-vo, 1961. 326 p. (MIRA 15:3) (Nondestructive testing)