L 6509-66 EWT(1)/EWT(m)/T/EWP(t)/EWP(b)/EWA(c) IJP(c) JD/GG
ACCESSION NR: AP5019425 UR/0020/65/163/003/0606/0608

AUTHOR: Belle, M. L.; Valov, Yu. A.; Goryunova, A. N.; Zlatkin, L. B.; Imenkov, A. N.; Kozlov, M. M.; Tsarenkov, B. V.

TITLE: Optical and photoelectric properties of single-crystal $ZnSiP_2$

SOURCE: AN SSSR. Doklady, v. 163, no. 3, 1965, 606-608

TOPIC TAGS: optical property, photoelectric property, zinc compound optic material, forbidden band, light polarization, absorption edge, temperature dependence

ABSTRACT: In view of the lack of published data on this compound, the authors have studied the photoelectric and optical properties of n-type single crystals obtained from the gas phase by the method of gas-transport reactions. The spectral sensitivity of the photoconductivity was measured at 77 and 300K using a setup comprising a tungsten incandescent lamp, a light interrupter, a monochromator (IKS-21), amplifier (V2-6), synchronous detector, and electronic potentiometer (EPP-09). The absorption spectrum was measured with the spectrograph and a camera at 300, 77, and 4.2K. In addition, the authors investigated the influence of polarization of the incident light on both the optical and photoelectrical properties. Photoconductivity was observed at incident photon energies 0.5-2.5 ev. At 300K the photoconductivity has a highly peaked maximum at 2.14 ev, and also maxima at 0.8 and 1.0

Card 1/2

L 6509-66
ACCESSION NR: AP5019125

ev, attributed to impurities. At 77K the maxima shift to 2.19, 1.04, and 0.84 respectively. The spectral photoconductivity curve exhibited also some kinks due to transitions of the electrons from the valence to the conduction band. Polarization began to affect the photoconductivity only above 2 ev, when the photoconductivity became highly sensitive to the direction of the electric vector. This may be due to anisotropy of the crystal. Not all crystals showed a sharp absorption edge, a fact attributed to the number of crystal defects. Where a sharp absorption edge was observed, it showed a dependence on the temperature and on the polarization. The maxima of the photoconductivity and the start of the strong optical absorption were very close to each other, and the sharpness of the absorption edge suggests the presence of direct interband transitions in $ZnSiP_2$. The forbidden band is estimated at 2.13 ev at 300K and between 2.2 and 2.25 ev at 77K. Two absorption bands are observed at 2.23 and 2.27 ev at 77 and 4.2K, and their origin is not clear. This report was presented by L. A. Artsimovich. Orig. art. has: 2 figures and 1 table.

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. F. Ioffe Akademii nauk SSSR (Physicotechnical Institute, Academy of Sciences SSSR) 44,55

SUBMITTED: 17Nov64 ENCL: 00 SUB CODE: OP, SS

NR REF SOV: 002 OTHER: 001

Card 2/2

L 04741-67 EWT(1)/EWT(m)/EWP(t)/ETI IJP(c) AT/JD

ACC NR: AP6024472 SOURCE CODE: UR/0181/66/008/007/2098/2103

66
63
B

AUTHOR: Imenkov, A. N.; Kozlov, M. M.; Nasledov, D. N.; Tsarenkov, B. V.

ORG: Physicotechnical Institute im. A. F. Ioffee, AN SSSR, Leningrad (Fiziko-tekhnicheskiy institut AN SSSR)

TITLE: Kinetics of radiative recombination of nonequilibrium carriers in GaAs p-n junctions

27-21

SOURCE: Fizika tverdogo tela, v. 8, no. 7, 1966, 2098-2103

TOPIC TAGS: gallium arsenide, radiative recombination, semiconductor carrier, pn junction, relaxation process, spectral distribution, radiation intensity

ABSTRACT: The authors report results of experiments on the dependence, on the current density, of the intensity of radiation for different bands of the spectrum (photon energy range 0.7 - 1.5 ev) of GaAs diffusion p-n junctions, at 77 and 293K, and also results of a simultaneous investigation of the relaxation of the radiation intensity when rectangular current pulses are passed through the junction. The relaxation study is a continuation of earlier work by the authors (Abstracts of Papers of Second All-Union Conference on p-n Junctions, AN LatSSR, Riga, 1964, p. 14) where a long-wave aftereffect was noted after the termination of a square pulse. The GaAs p-n junctions were obtained by diffusion of Zn, Cd, or Cd and Mn jointly. The tests consisted of determining the spectral distribution of the radiation intensity, the variation of the radiation intensity with the current, and oscillograms of the current, voltage, and

Card 1/2

radiation-intensity pulses. The current pulses ranged in amplitude from 0.05 to 7 amp and in duration from 10 to 100 μsec. Pulses with duration ~10 nsec were also used. The spectrum consisted of several bands, the presence of which indicates that the recombination of the nonequilibrium carriers goes in part through deep levels. The possible kinetics of such a process are discussed. The current and voltage relaxation time is several orders of magnitude shorter than the intensity relaxation time of the long-wave radiation. The bands with longer wavelength have longer relaxation times. The two ban-s with the longest wavelength are attributed to recombination of the minority carriers injected over the potential barrier and captured at deep levels. The authors thank O. V. Konstantinov, V. I. Perel', and A. L. Efros for a discussion of the results. Orig. art. has: 4 figures.

SUB CODE: 20/ SUBM DATE: 11Dec65/ ORIG REF: 002/ OTH REF: 002

L 8555-66

ACCESSION NR: AP5021178 UR/0139/65/000/004/0112/0115 36 35 B

AUTHOR: Dorin, V. A.; Kozlov, M. M.

TITLE: The effect of defects in a p-n junction on the drift phenomenon in selenium rectifiers

SOURCE: IVUZ. Fizika, no. 4, 1965, 112-115

TOPIC TAGS: selenium rectifier, current stabilization, pn junction, rectification, electric conductivity/ TVS, AVS

ABSTRACT: The drift of selenium rectifiers TVS and AVS was investigated from the point of view of the behavior of the channels of local conductivity in a p-n junction. The fall-off of the voltage was measured for a constant current. An automatic recording potentiometer (EPP-40) with an input resistance of 10^{13} ohm was used. The current source was a battery of dry cells with a total emf of 1000 v. The voltage on the rectifier did not exceed 40 v. The investigations were carried out on pSe-nCdSe and pSe-NCdS hetero junction 40 x 40 mm in size. It was found that the resistance of a rectifier increases in time at small currents and decreases at large currents. The drifting is due to a large degree to local inhomogeneities whose conductivity varies with time. For some rectifiers there are several current values at which there is no drifting. This can be attributed to

Card 1/2

L 8555-66

ACCESSION NR: AP5021178

compensation of the loss of some conduction channels by formation of new conductivity channels. Orig. art. has: 7 figures.

ASSOCIATION: Leningradskiy politekhnicheskiy institut (Leningrad Polytechnic Institute)

SUBMITTED: 08Jan64 ENCL: 00 SUB CODE: SS, EE

NR REF SOV: 000 OTHER: 003

jw

Card 2/2

KOZ'MINA, O.P.; Prinimali uchastive: KURLYANKINA, V.I.; ALEKSANDROVICH, M.K.; PROSVIRYAKOVA, E.P.; SLAVETSKAYA, E.A.; KOZLOV, M.P.

Mechanism of oxidation of cellulose ethers by oxygen. Izv. AN SSSR Otd.khim.nauk no.12:2226-2233 D '61. (MIRA 14:11)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Cellulose ethers) (Oxidation)

KOZLOV, M.P.; KOZ'MINA, O.P.; PLISKO, Ye. A. DANILOV, S.N.

Mechanism of oxidation of cellulose ethers by oxygen. Part 15: Effect of the chain length of the substituent in aliphatic cellulose ethers on their oxidation rate. Vysokom.soed. 5 no.3:424-427 Mr '63.
(MIRA 16:3)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Cellulose ethers) (Oxidation) (Substitution (Chemistry))

KOZ'MINA, O.P.; KOZLOV, M.P.

Mechanism of the oxidation of cellulose esters by oxygen. Part 16: Resistance of trityl and benzoyl cellulose to thermal oxidative degradation. Vysokom.soed. 5 no.7:1054-1058 Jl '63. (MIRA 16:9)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Cellulose esters) (Oxidation)

KOZLOV, M.P.; KOZ'MINA, O.P.; DANILOV, S.N.

Thermal oxidative degradation of cellulose esters. Zhur.prikl.khim. 36 no.3:622-628 My '63. (MIRA 16:5)
(Cellulose esters) (Oxidation)

DANILOV, S.N.; KOZ'MINA, O.P.; KOZLOV, M.P.

Synthesis and properties of cellulose ester and trimethylacetic acid. Zhur.prikl.khim. 36 no.3:682-685 My '63. (MIRA 16:5)
(Cellulose esters) (Pivalic acid)

KOZLOV, N.P., kand. tekhn. nauk; MIRONOV, V.M., inzh.

[Instructions on the use of standards for tolerances for low-module gears and the initial profile of low-module gear wheels] Instruktivnye materialy po primeneniiu standartov na dopuski melkomodul'nykh zubchatykh peredach i iskhodnyi kontur melkomodul'nykh zubchatykh koles. Moskva, Izd-vo standartov, 1964. 121 p. (MIRA 18:1)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po radioelektronike.

KOZLOV, M. P.

166T80

USSR/Meteorology - Humidity Mar/Apr 48
Instruments, Meteorological

"Concerning the Psychrometer Based on the Condensation Principle," M. P. Kozlov

"Meteorol i Gidrol" No 2, pp 85-86

Criticizes method proposed by B. V. Kiryukhin for determining humidity at low temperatures (below -5° C) by psychrometer based on condensation principle. In latter, wet thermometer is moistened, not with distilled water, but with saturated solution of some hygroscopic substance ($CaCl_2$, $ZnCl_2$, etc.), so water vapor is

166T80

USSR/Meteorology - Humidity (Contd) Mar/Apr 48

condensed from the atmosphere. According to Kozlov, this method is no better than usual method because of technical difficulties involved in production of observations, and additional sources of error. Submitted 16 Oct 47.

166T80

Kozlov, M. P.

KOZLOV, M. P.

Tumany vdol'trassy Severnogo morskogo puti. Pod red. G. IA. Vangengeima. Leningrad, Izd-vo Glavsevmorputi, 1937. 85 p., map, tables, diagrs. (Leningrad, Arkticheskii nauchno-issledovatel'skii.institut. Trudy, v. 109: Materialy po klimatologii poliarnykh oblastei SSSR, no. 7)

Title tr.: The fogs along the Northern Sea Route.

For abstract see Arctic Institute of North America. Arctic Bibliography, 1953, v. 1, no. 9208.

G600.L4 v. 109

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

KOZLOV, M.P.; ZYKOV, N.A.

Accuracy of calculations and variability of average amounts of summer rains in a given area. Trudy GGI no.46:89-99 '54.
(Rain and rainfall) (MLRA 8:11)

KOZLOV, M. P.

"Influence of Shade Upon Total Evaporation From Soil Covered by Meadow Vegetation".
Trudy Gidrol. in-ta, No 46, pp 137-145, 1954.

Experimental study of the problem according to data of eight experiments in the Valday Scientific Research Hydrological Laboratory in the course of 1951-1953 is given. Use was made of a large model of a soil hydrulic evaporator (evaporating surface of 5 m^2) with shading vertical screen; measurements of evaporation were carried out during clear weather. Simultaneously, measurements were made of the temperature of the soil on the surface and at depths down to 20 sm, and also of the temperature of the air and total radiation. Under the conditions of the experiments short-period shading of the evaporating surface decreases the total evaporation almost doubly. Mainly this caused decrease in moisture discharge during transpiration in consequence of sharp change in heat and light regime of the plant cover during shading. (RZhGeol, No 8, 1955)

SO: Sum No 884, 9 Apr 1956

KOZLOV, M.P.

Daily course of total evaporation from meadows and its connection with meteorological factors. Trudy GGI no.59:134-171 '57.
(Evaporation) (MIRA 11:3)

Kozlov, M.P.

PHASE I BOOK EXPLOITATION SOV/4149

Leningrad. Arkticheskiy i Antarkticheskiy nauchno-issledovatel'skiy institut

Problemy Arktiki; sbornik statey, vyp. 7 (Problems of the Arctic; Collection of Articles, No. 7) Leningrad, Izd-vo "Morskoy transport," 1959. 135 p. 500 copies printed. [illegible] COPY

Additional Sponsoring Agency: USSR. Ministerstvo morskogo flota.

Resp. Ed.: V.V. Frolov; Editorial Board: L.L. Balakshin, A.A. Girs, P.A. Gordiyenko (Deputy Resp. Ed.), I.M. Dolgin, L.G. Kaplinskaya, A.A. Kirillov, Ye.S. Korotkevich, V.V. Lavrov, I.V. Maksimov, A.I. Ol', I.I. Pozdnyak, and B.V. Felisov; Tech: L.P. Drozhzhina.

PURPOSE: The publication is intended for geographers, oceanographers, and particularly for all those interested in the studies of Arctic and Antarctic regions.

COVERAGE: This collection of 19 articles is the seventh of a series of publications dealing with problems of the Arctic and Antarctic. The articles deal mainly with the characteristics of water in the Barents Sea, hydrological conditions in the estuaries of Siberian rivers, types of atmospheric circulation in the Arctic, distribution of the hydrological stations in the Soviet Arctic, magnetic storms and their effect on radio communications. Included is brief information on Soviet meteorological and oceanographical expeditions. References accompany most of the articles. No personalities are mentioned.

INFORMATION

3(4,7) PHASE I BOOK EXPLOITATION SOV/2480

Vsesoyuznyy gidrologicheskiy s"yezd, 3rd, Leningrad, 1957.

Trudy...t. III: Sektsiya gidrofiziki (Transactions of the 3rd All-Union Hydrological Convention. v. 3: Hydrophysics Section) Leningrad, Gidrometeoizdat, 1959. 470 p. Errata slip inserted. 2,000 copies printed.

Sponsoring agency: Glavnoye upravleniye gidrometeorologicheskoy sluzhby pri Sovete Ministrov SSSR.

Resp. Ed.: V.A. Uryvayev; Ed.: V.S. Protopopov; Tech. Ed.: M.I. Braynina.

PURPOSE: This work is intended for meteorologists, hydrologists, and hydrophysicists, particularly those engaged in the study of snow and ice and evaporation processes.

COVERAGE: This book contains papers on hydrophysics which were presented and discussed at the Third All-Union Hydrological Conference in Leningrad, October 1957. The Conference published 10 volumes on various aspects of hydrology of which this is number 3. The editorial board in charge of the series include: V.A. Uryvayev (Chairman), O.A. Alekin, Ye.V. Bliznyak (deceased), O.N. Borsuk, M.A. Velikanov, L.K. Davydov, A.P. Domanitskiy, G.P. Kalinin, S.N. Kritskiy, S.I. Kudelin, L.F. Manoim, M.F. Menkel', B.P. Orlov, I. V. Popov, A.K. Proskuryakov, D.L. Sokolovskiy, O.A. Spengler, A.I. Chebotarev, and S.K. Cherkavskiy. This volume is divided into 2 sections: the first contains reports from the subsection for the study of evaporation processes, and the second contains reports from the snow and ice subsection. References accompany each article.

(1/7)

Kozlov, M.P.

KOZLOV, M.P.

Winter and spring expeditions of the Arctic and Antarctic Institute in 1959. Probl.Arkt.i Antarkt. no.1:119-120 '59. (MIRA 13:7)
(Arctic regions--Russian exploration)

44595
S/169/62/000/012/084/095
D228/D307

12.6000

AUTHOR: Kozlov, N.P.

TITLE: Results of determining some mechanical properties of snow in the Arctic

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 12, 1962, 58, abstract 12V360 (In collection: Snezhn. pokrov. yego rasprostr. i rol' v nar. kh-ve, M., AN SSSR, 1962, 47-53)

TEXT: The results of measuring the temporary resistance of snow to crushing, shearing, rupture, and fracture (according to data of the ААНИИ (AANII) expedition of 1948-1950) are stated. The temporary crushing resistance rises as the density of snow increases. At temperatures from -10 to -20° the temporary crushing resistance of structurally identical snow increases almost identically with increasing density. The temporary crushing resistance of denser snow rises sharply at lower temperatures. The temporary crushing resistance of snow with a density of up to 0.35 g/cm^3 rises slightly

Card 1/3

Results of determining ...

if the temperature falls sharply, but for snow with a density of 0.42 g/cm^3 and more, which is often found in the Arctic, the increase is more rapid. The author explains this phenomenon by the fact that in less dense snow the increased crushing resistance is mainly related to the increased elasticity of the crystals themselves, while in dense snow considerable frictional forces act between its particles. Besides the density and temperature, other factors - in particular, the direction of the stress applied to crush a sample - also influence the value of the temporary crushing resistance of snow. For the entire range of temperatures the temporary shearing resistance of snow increases linearly as the density of snow increases and the temperature falls. The absolute values of the temporary shearing resistance are much lower than those of the crushing resistance, and they do not exceed 1 kg/cm^2 even for the densest finely-crystalline snow. The value of the temporary shearing resistance depends, too, on the time of formation of the snow cover. The dependence of the temporary tensile strength of snow on its density has a somewhat different character than that of the relationships considered above. The breaking stress may increase as the density

Card 2/3

Results of determining ... S/169/62/000/012/084/095
D228/D307

of snow increases, though to a much smaller degree than the values of the breaking and shearing stresses. The author explains the fact that the temporary tensile strength of snow increases as its density increases by the decrease in the number of points of cohesion per unit of area. The temporary resistance of snow to fracture increases markedly with increasing density, this being about the same for the entire range of temperatures. 5 references.
[Abstracter's note: Complete translation]

Card 3/3

GORDIYENKO, P.A.; KOZLOV, M.P.

High latitude airborne expeditions between 1956 and 1962.
Probl.Arkt.i Antarkt. no.11:105-107 '62. (MIRA 16:2)
(Arctic regions—Drift)
(Arctic regions—Aerial exploration)

KOZLOV, M.P.; NOROV, D.

Case of allergic reaction to living dry antiplague vaccine. Zhur. mikrobiol.epid. i immun. 27 no.9:77-78 S '56. (MLRA 9:10)

1. Iz Ulan-Batorskoy respublikanskoy protivochumnoy stantsii.
(PLAGUE, immunology,
vaccine, allergic reaction (Rus))
(VACCINES AND VACCINATION, complications,
plague vaccine causing allergic reaction (Rus))

KOZLOV, M.P.; LEMEKHOVA, A.Ye.; NOROVD, D.

Relation between vaccinal and allergic reactions in individuals inoculated with plague vaccine. Zhur.mikrobiol.epid.i immun. 31 no.8:102-105 Ag '60. (MIRA 14:6)

1. Iz nauchno-issledovatel'skogo protivochumnogo instituta Kavkaza i Zakavkaz'ya i protivochumnoy stantsii Mongol'skoy Narodnoy Respubliki.

(PLAGUE)

TER-VARTANOV, V.N.; KOZLOV, M.P.

Index of the intensity of human morbidity in brucellosis. Zhur. mikrobiol. epid. i immun. 32 no.6:55-59 Je '61. (MIRA 15:5)

1. Iz Nauchno-issledovatel'skogo protivochumnogo instituta Kavkaza i Zakavkaz'ya.

(BRUCELLOSIS)

KOZLOV, M.P.; POLYAKOVA, A.M.; TARAN, I.F.

High rate of initial patient visits for brucellosis in the Transcaucasian republics. Zhur. mikrobiol. epid. i immun. 32 no.6:61-66 Je '61. (MIRA 15:5)

1. Iz Nauchno-issledovatel'skogo protivochumnogo instituta Kavkaza i Zakavkaz'ya, Stavropol'.
(TRANSCAUCASIA--BRUCELLOSIS)

KOZLOV, M.P.

Immunological reactivity at late periods in the brucellosis-vaccinated workers of a meat-packing plant. Zhur. mikrobiol., epid. i immun. 33 no.11:43-47 N '62. (MIRA 17:1)

1. Iz Nauchno-issledovatel'skogo protivochumnogo instituta Kavkaza i Zakavkaz'ya.

KOZLOV, M.P.

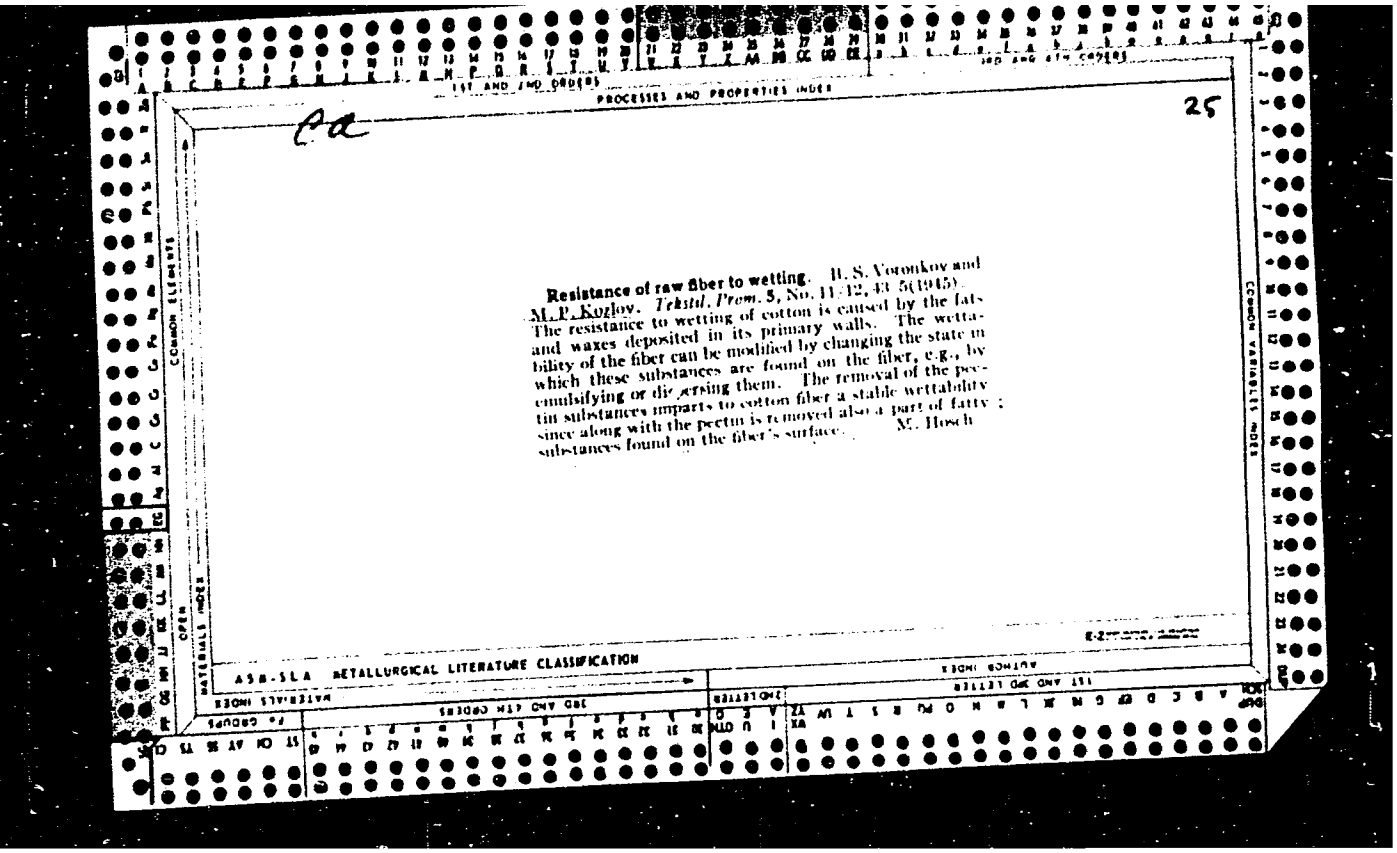
Seasonal cyclic nature of brucellosis morbidity and determination of vaccination periods for the population. Zhur. mikrobiol. epid. i immun. 33 no.10:111-116 O'62 (MIRA 17:4)

1. Iz Nauchno-issledovatel'skogo protivochumnogo instituta Kavkaza i Zakavkaz'ya.

KOZLOV, M.F.

Calculation on the epidemiological effectiveness of vaccination against brucellosis. Zhur. mikrobiol., epid. i imm. 41 no. 2: 60-64 F '64. (MIRA 17:9)

1. Protivochumnyy [illegible] institut Kavkaza i Zakavkaz'ya



PROCESSES AND PROPERTIES INDEX

25

Resistance of raw fiber to wetting. B. S. Voronkov and M. P. Kozlov. *Tekstil. Prom.* 5, No. 11-12, 43-5(1945). The resistance to wetting of cotton is caused by the fats and waxes deposited in its primary walls. The wettability of the fiber can be modified by changing the state in which these substances are found on the fiber, e.g., by emulsifying or dispersing them. The removal of the pectin substances imparts to cotton fiber a stable wettability since along with the pectin is removed also a part of fatty substances found on the fiber's surface. M. Hosch

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

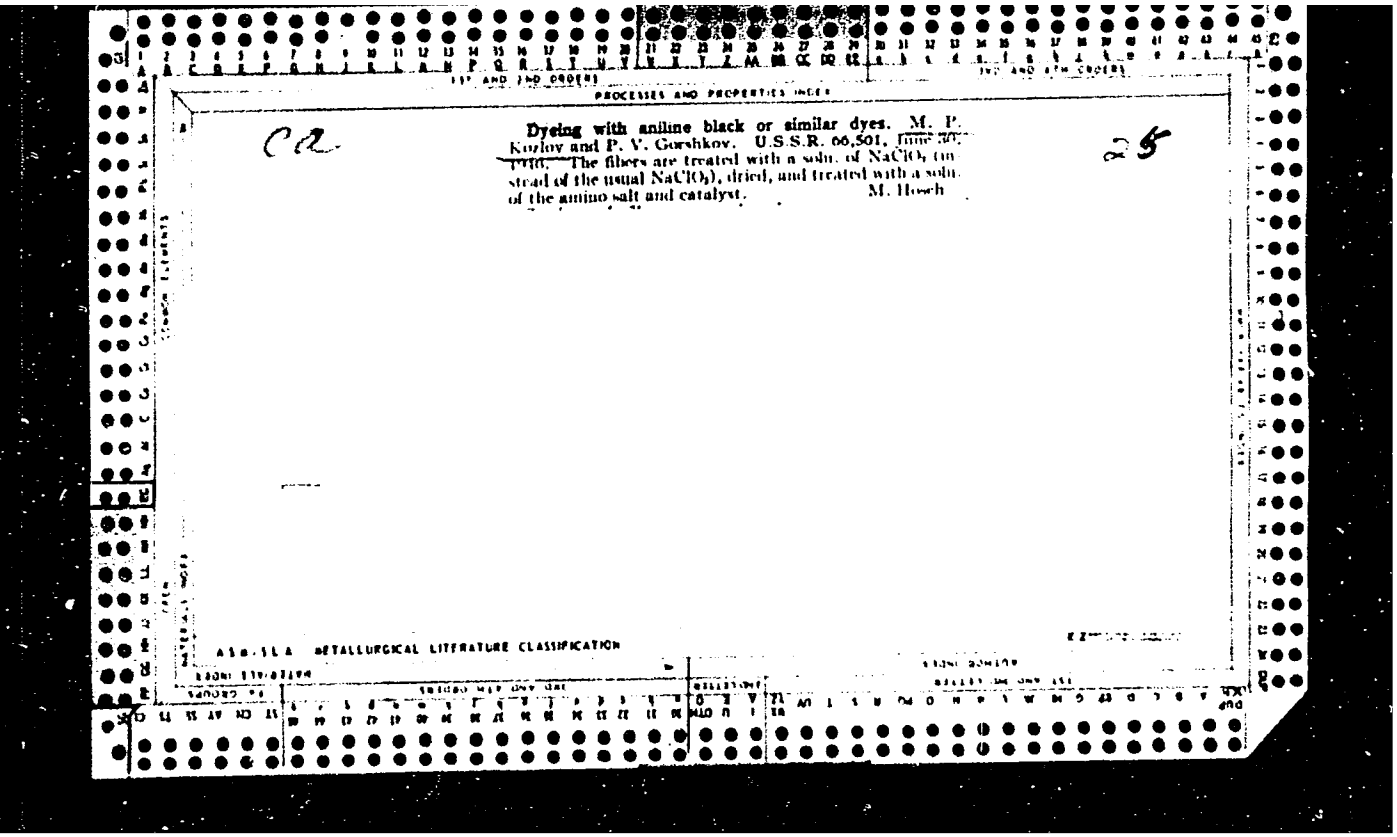
Ca

28

Discharging dyes. M. P. Kozlov and P. V. Gorshkov. U.S.S.R. 66,699, June 30, 1940. Discharges are produced, e.g. on S dyes, with the aid of oxy acids of Cl. The dyed material is printed with a discharge made up of a chlorite, the NH_4 salt of a nonvolatile org. acid, and NH_4Cl, then dried, ripened, and washed in an alk. soln.

M. Hosch

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



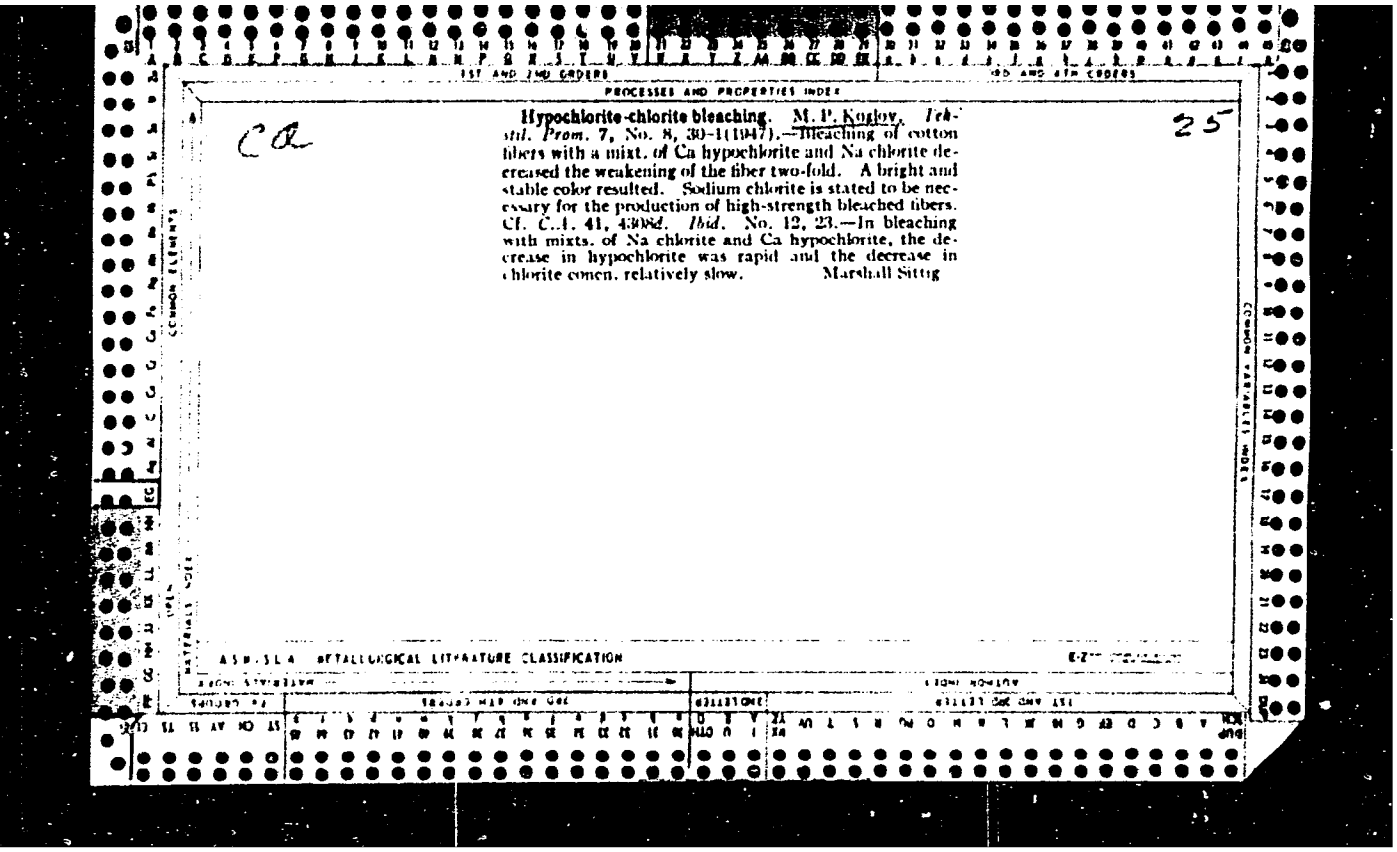
PROCESSES AND PROPERTIES INDEX

CR

Dyeing with aniline black or similar dyes. M. P. Kuzlov and P. V. Gorshkov. U.S.S.R. 66,501, June 30, 1946. The fibers are treated with a soln. of $NaClO_3$ (instead of the usual $NaClO_3$), dried, and treated with a soln. of the amino salt and catalyst. M. Hoeh

25

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



PROCESSES AND PROPERTIES INDEX

CA

25

Hypochlorite-chlorite bleaching. M. P. Koglov, *Tekstil. Prom.* 7, No. 8, 30–1(1947).—Bleaching of cotton fibers with a mixt. of Ca hypochlorite and Na chlorite decreased the weakening of the fiber two-fold. A bright and stable color resulted. Sodium chlorite is stated to be necessary for the production of high-strength bleached fibers. Cf. *C.A.* 41, 4308*d*. *Ibid.* No. 12, 23.—In bleaching with mixts. of Na chlorite and Ca hypochlorite, the decrease in hypochlorite was rapid and the decrease in chlorite concn. relatively slow. Marshall Sittig

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

NEBAROV, Vladimir Nikolayevich; ARKHANGEL'SKIY, S.S., redaktor; KOZLOV, M.P., retsenzent; MEDVEDEVA, L.A., tekhnicheskiy redaktor.

[Bleaching and mercerization of cotton fabric] Belenie i merserizatsiia khlopchatobumazhnykh tkanei. Moskva, Gos.nauchno-tekhn.izd-vo Ministerstva tekstil'noi promyshlennocti SSSR, 1955.345 p. (MLRA 9:4)
(Cotton manufacture)

KOZLOV, M.P., kandidat tekhnicheskikh nauk.

Method of continuous preparation and bleaching of staple fabrics. Tekst.prom. 16 no.1:40-42 Ja '56. (MLRA 9:4)
(Textile finishing)

KOZLOV, M.P., kandidat tekhnicheskikh nauk.

Boiling vegetable fibers in a caustic soda solution. Tekst.prom. 16 no.6:42-46 Je '56. (MLRA 9:8)
(Textile finishing)

KOZLOV, M.P., kandidat tekhnicheskikh nauk.

Chemical transformations of cellulose in oxidation bleaching. Tekst. prom. 16 no.10:43-44 O '56. (MLRA 10:1)
(Textile chemistry) (Bleaching)

KOZLOV, M.P., kandidat tekhnicheskikh nauk.

Methods of oxygen bleaching of textile fabrics. Tekst.prom. 16 no.11:34-36 N '56. (MLRA 9:12)
(Bleaching)

[illegible], M.I.; YARMOL[illegible], [illegible]

[illegible]etermination of [illegible]thoxy and [illegible] [illegible] present together. Zhur. anal. khim. [illegible]

([illegible] 18:7)

1. Vladimirskiy nauchno-[illegible] institut [illegible]-dreskikh smol.

KOZLOV, M.P.

Classification of infectious diseases. Zhur.mikrobiol., epid. i immun. 42 no.9:129-134 S '65.

(MIRA 18:12)

1. Stavropol'skiy filial Vsesoyuznogo nauchno-issledovatel'skogo protivochumnogo instituta "Mikrob". Submitted October 21, 1964.

KOZLOV, M. P.

"Making a Duplex Air Cylinder", Stanki I Instrument, 14, No. 6, 1943

BR-52059019

SO: Monthly List of Russian Accessions, Library of Congress, _____1953, Uncl.

KOZLOV, M. P.

"An Arbor with Self-Adjustment of Parts for Holes and Faces", Stanki I Instrument, 14, No. 11-12, 1943

BR-52059019

SO: Monthly List of Russian Accessions, Library of Congress, _____1953, Uncl.

KOZLOV, M. F., Engineer

"A Mandrel for Holding the Part While Turning and Cutting Threads." Stanki I Instrument Vol. 15, No. 9, 1944

BR-52059019

SO: Monthly List of Russian Accessions, Library of Congress, _____1953, Uncl.

KOZLOV, M. T. Engineer

" A Pneumatic Attachment for a Drilling Machine," Stanki I Instrument, 16, Nos. 4-5, 1945

BR-52059019

SO: Monthly List of Russian Accessions, Library of Congress, _____1953, Uncl.

KOZLOV, M. ".", Engineer

"Simple-design Change Cams for Clutches," Stanki I Instrument, 16, Nos. 10-11, 1945.

BR- 52059019

SO: Monthly List of Russian Accessions, Library of Congress, _____1953, Uncl.

KOZLOV, M. T.

"An Attachment for Securing a Cylinder during Internal Grinding."
Stanki I Instrument, 17, Nos. 4-5, 1946

Br-52059019

SO: Monthly List of Russian Accessions, Library of Congress, _____1953, Uncl.

KOZLOV, M. P.

"Using a Standard Air Cylinder instead of a Special One"
Stanki I Instrument, 17, Nos. 10-11, 1946

BR-52059019

SO: Monthly List of Russian Accessions, Library of Congress, _____ 1953, Uncl.

KOZLOV, M. P.

Melkomodul'nye zubchatye peredachi. Moskva, Oborongiz, 1949. 223 p. diagrs.

Bibliography: p. [227].

Gearing of small modulus.

DLC: TJ184.K68

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

USSR/Engineering - Machine tools

Card : 1/1 Pub. 128 - 21/32

Authors : Kozlov, M. P.

Title : Friction chucks for cutting screw threads

Periodical : Vest. mash. 34/7, 70 - 71, July 1954

Abstract : A description is given of friction chucks used for cutting screw threads. The chucks are equipped with multi-disk clutches. The structure and dimension of the clutch disks is the same for all chucks. Operational characteristics, structure, and performance of chucks, are described. Drawings.

Institution : ...

Submitted : ...

AID P - 4863

Subject : USSR/Engineering

Card 1/1 Pub. 103 - 23/26

Author : Kozlov, M. P.

Title : Protective chuck for tap-borers

Periodical : Stan. i instr., 27, 2, 42-43, F 1956

Abstract : In further development and improvement of the chuck described in this magazine (No. 5, 1955), the protective chuck designed for the GOST 3266-54 tap-borer has been found even more efficient, according to the author of this article, who gives a well-illustrated description. Two drawings.

Institution : None

Submitted : No date

Kozlov, M. P.

AUTHOR: Kozlov, M.P., Engineer 28-5-15/30

TITLE: Tolerances for Cylindrical Small-Module Gear Drives (Dopuski na melkomodul'nyye tsilindricheskiye zubchatyye peredachi)

PERIODICAL: Standartizatsiya, 1957, # 5, p 63-68 (USSR)

ABSTRACT: The article deals with a completed project for a standard of tolerances for instrument gear transmission modules of less than 1 mm. The comparable data and standards of other countries and the materials of the Work Group No. 2 of ISO/TC 60 have been analysed in the work on this project. The general structure of the project is treated in detail and shown in a schematic diagram (Figure 1). There are altogether 12 accuracy degrees, but degrees 1,2 and 3 are only contemplated for the future. The new 7th degree of accuracy corresponds to the present 2nd degree and the new 6th degree - to the present 1st. There are as yet no practical measuring instruments that can measure with sufficient accuracy the kinematic error of small gears, therefore the accuracy of gears is evaluated by measuring the accumulated circular pitch error.

At the instrument plants of the Shipbuilding Ministry, all gears of the 1st accuracy degree and part of 2nd accuracy degree (current norms) are being checked for accumulated circular

Card 1/2

pitch error. At some other plants, the accuracy of gears is being evaluated by the radial wobble of the rim. Such a check is not adequate for kinematic accuracy, which depends not only on the accuracy of setting during machining but also on the accuracy of the gear cutting machine tool.

Investigations as well as experience of some plants have demonstrated that neglected checking of the kinematic accuracy of gears causes damage. In one instance, a plant produced a complex computing machine, and it was revealed in test that the machine does not meet technical conditions because of a great accumulated error in many of the gears. New gears had to be made.

The subject project fixes the limits for kinematic error and for accumulated circular pitch error, and also indicates the norms for separate elements, combinations of which replace the basic indicators of the kinematic accuracy (deviation of pitch, profile error, difference between circular pitches, fluctuations of the interaxis distance on one tooth, etc.).

The article includes equations for calculation of all related values. There are 5 diagrams and 3 tables.

AVAILABLE: Library of Congress

Card 2/2

[illegible] toothed gears [illegible]

KOZLOV, Mikhail Prokof'yevich; TAYTS, B.A., doktor tekhn.nauk, retsenzent; KOKHTEV, A.A., inzh., red.; SERKBRENNIK, M.Ye., izdatel'skiy red.; ROZHIN, V.P., tekhn.red.

[Gear transmissions in precision instruments] Zubchatye peredachi tochnogo priborostroeniia. Moskva, Gos. izd-vo obor.promyshl., 1958. 392 p. (MIRA 11:4)
(Gearing) (Instruments--Transmission devices)

KOZLOV, M.P.

KOZLOV, M.P.

Friction chucks for screw thread cutting. Mashinostroitel' no.1:18-19 Ja '58. (MIRA 11:1)
(Chucks)

KOZLOV, M.P.

AUTHOR: Kozlov, M.P. 117-58-7-16/25

TITLE: Exchangeable Bushing for Taps (Smennaya vtulka dlya metchikov)

PERIODICAL: Mashinostroitel', 1958, Nr 7, p 41 (USSR)

ABSTRACT: A brief description and a diagram of a new exchangeable holder bushing for screwcutting taps are given. The novelty of the bushing consists in the use of a ball which replaces the conventional standard stopper. The stopper is complex and not sufficiently reliable in work, while the ball of a high hardness (Rc 50) is practically non-wearing and simplifies the machining of the bushing since the slot (for the ball) can be made in the drilling operation without later reaming. The design is an idea of the author. The plant now uses such bushings exclusively.

1. Machine tools--Characteristics

Card 1/1

KOZLOV, M.P.

Improved design of locks for removable tap valves. Stan.i instr. 29 no.1:34 Ja '58. (MIRA 11:1)
(Taps and dies)

KOZLOV, M.P.

Tolerances for low-module bevel gears. Standartizatsiia 24 no.3:45-48 Mr '60. (MIRA 13:6)
(Gearing, Bevel--Standards)

KOZLOV, M.P.

Draw-in chuck with centrifugal clamping. Stan.i instr. 31 no.10:38 O '60. (MIRA 13:10)

(Chucks)

KOZLOV, I.P.

Drum-in mandrel with a centrifugal clamp. Mashinostroitel' no. 2:25 F '61. (MIRA 14:2)
(Machine tools--Attachments)

KOZLOV, M.P.

Safety chuck for machine taps. Mashinostroitel' no.6:18 Je '61. (MIRA 14:6)

(Chucks)

KOZLOV, M.P.

Initial outline of low-module gear wheels. Standartizatsiia 25 no.12:13-15 D '61. (MIRA 14:11)
(Gearing--Standards)

KOZLOV, M.P.

Allowances for low-module worm gears. Standartizatsiia 26 no.5:11-15 My '62. (MIRA 15:7)

(Gearing, Worm--Standards)

KOZLOV, M.P.

Attachment to the MIZ thread-cutting chucks for a high-speed replacement of bushes. Stan.i instr. 33 no.1:39 Ja '62. (MIRA 15:2)

(Chucks)

BALAKSHIN, O.B., kand. tekhn. nauk; BYKHOVSKIY, M.L., prof., doktor tekhn. nauk; VOLODIN, Ye.I., kand. tekhn. nauk; GRIGOR'YEV, I.A., kand. tekhn.nauk; DRAUDIN-KRYLENKO, A.T., inzh.; IVANOV, A.G., kand. tekhn.nauk; KOZLOV, M.P., kand. tekhn. nauk; KOROTKOV, V.P., prof.; [redacted], kand. tekhn.nauk; KUTAY, A.K., kand. tekhn. nauk; MARKOV N.N., kand. tekhn. nauk; PALEY, M.A., inzh.; RAYBMAN, N.S., kand. tekhn.nauk; ROSTOVYKH, A.Ya., kand. tekn. nauk; RUMYANTSEV, A.V., kand. tekhn.nauk; SARKIN, I.G., prof.; SMIRNOV, A.S., inzh.; TAYTS, B.A., prof., doktor tekhn. nauk; YAKUSHEV, A.I., prof., doktor tekhn. nauk; NESTEROV, V.D., inzh., nauchnyy red.; CHUDOV, V.A., inzh., nauchnyy red.; GAVRILOV, A.N., doktor tekhn.nauk, prof., red.; BLAGOSKLONOVA, N.Yu., inzh., red. izd-va; SOKOLOVA, T.F., tekhn. red.

[Manufacture of instruments and means of automatic control: a manual in five volumes] Priborostroenie i sredstva avtomatiki; spravochnik v piati tomakh. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry. Vol.1.[Interchangeability and engineering measurements] Vzaimozameniaemost' i tekhnicheskie izmereniia. 1963. 568 p. (MIRA 16:8)
(Electronic measurements) (Automatic control)

KOZLOV, M.P.

Safety chuck for cutting 8 to 18 mm. screw thread. Mashinostroenie no.5:36 S-O '63. (MIRA 16:12)

KOZLOV, M.P., inzh.

Safety chuck for cutting screw thread with machine taps.
Mashinostroenie no.1:39-40 Ja-F '65. (MIRA 18:4)

KOZLOV, M.P., inzh.

Simple design of a changeable collet for taps. Mashinostroenie no.2:30 Mr-Ap '65. (MIRA 18:6)

KOZLOV, Mikhail Rodionovich; PANARIN, Mikhail Mikhaylovich; SOLOV'YEV, Vladimir Georgiyevich; POPOV, A.S., red.; ANDRYEVA, L.S., tekhn. red.

[Collective labor agreement in an enterprise]Kollektivnyi dogovor na predpriiatii. Moskva, Profizdat, 1961. 61 p. (Bibliotechka profsoiuznogo aktivista, no.24) (MIRA 16:3)
(Collective labor agreements)

KOZLOV, Andrey Stepanovich; HYABOV, B.A., doktor tekhnicheskikh nauk, retsenzent; TIKHMENEV, S.S., dorktor tekhnicheskikh nauk, retsenzent; KOZLOV, M.S., kandidat tekhnicheskikh nauk, redaktor; PETROVA, I.A., redaktor; ZUBAKIN, I.M., tekhnicheskiy redaktor.

[A theory of gyroscopic aeronautical instruments] Teoriia aviatsionnykh giroskopicheskikh priborov. Moskva, Gos.izd-vo obor.promyshl., 1956. 255 p. (Aeronautical instruments) (Gyroscope) (MLRA 9-5)

Kozlov, M.S.

86-58-6-33/34

AUTHOR: Kozlov, M. S., Engr Lt Col

TITLE: Modern Aviation Instruments (Sovremennyye aviatsionnyye pribory)

PERIODICAL: Vestnik vozdushnogo flota, 1958, Nr 6, pp 89-95 (USSR)

ABSTRACT: On the basis of foreign aviation literature, the author describes the latest developments in the field of aircraft piloting and navigational instruments. There are nine diagrams.

AVAILABLE: Library of Congress

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16,9500

AUTHORS: Bodner, V. A., and Kozlov, M. S. (Moscow)

TITLE: Response of a Control System Containing Slow Coordinate Sensons

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Energetika i avtomatika, 1959, Nr 6, pp 99-107 (USSR)

ABSTRACT: Closed-loop systems of autopilot type are considered; Fig 1 shows the way in which the system is to be considered as regards deviation in a lateral direction from a specified path. Fig 2 relates similarly to deviation in a vertical plane and to control of the speed. Eq (1.2) is the control law applicable to Fig 1; Fig 3 shows the equivalent block diagram. Eq (1.3) relates to the lateral acceleration arising from wind forces. After this general introduction, section 2 deals with undamped systems; the equations are compiled on the basis of Fig 3. Up to (2.4) it is assumed that (1.1) is complied with; past that point it is assumed that $k_1k_2 - 1/R = n/R$ ($n \ll 1$). Section 3 deals with damped systems, and is concerned very largely with stability. Section 4 deals with the same general

Card 1/2

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E023/E235

Response of a Control System Containing Slow Coordinate Sensons

problem, except that the machine is not rigorously confined to a specified path, but rather has to pass between two specified points in space; in that case the damped system can be made adequately stable. There are 4 figures and 2 references, 1 of which is Soviet and 1 English.

SUBMITTED: June 10, 1959

Card 2/2

BODNER, Vasiliy Afanas'yevich, prof., doktor tekhn.nauk; FRIDLENDER, Gavriil Oskarovich; CHISTYAKOV, Nikolay Iosafovich. Prinimali uchastiye: KOZLOV, M.S.; OLIZAROV, V.V.. RYABOV, B.A., prof., doktor tekhn.nauk; BURAKOVA, O.N., red.; GARNUKHINA, L.A., tekhn.red.

[Aeronautical instruments] Aviatsionnye pribory. Pod red. V.A. Bodnera. Moskva, Gos.nauchno-tekhn.izd-vo, 1960. 512 p. (MIRA 13:7)

(Aeronautical instruments)

KOZLOV M.S.

PHASE I BOOK EXPLOITATION SOV/5933

Fridlender, Gavriil Oskarovich, and Mikhail Stepanovich Kozlov

Aviatsionnyye giroskopicheskiye pribory (Aircraft Gyroscopic Instruments) Moscow, Oborongiz, 1961. 390 p. 15,000 copies printed.

Ed. (Title page): V. A. Bodner, Doctor of Technical Sciences, Professor; Reviewers: B. A. Ryabov, Doctor of Technical Sciences, Professor, and P. V. Bromberg, Doctor of Technical Sciences, Professor; Ed. of Publishing House: I. A. Suvorova; Tech. Ed.: A. Ya. Novik; Managing Ed.: S. D. Krasil'nikov, Engineer.

PURPOSE: This book is intended for advanced students concerned with aircraft and aircraft instruments. It may also be useful to engineers in the aircraft and instrument industries.

COVERAGE: Theoretical fundamentals and design and structural features of modern aircraft and rocket gyroscopic instruments

Card 1/7

currently in use are given. Principles employed in the design of precision gyroscopic systems such as inertial vertical gyros, floating integrating and rate gyros, and gyroscopic instruments with integrating correction, are discussed. In the theoretical discussion of the instruments, special attention is given to dynamic properties and errors. Calculation methods, numerical examples, and descriptions are given for many instruments. No personalities are mentioned. Chs. I, III, IV, and VIII were written by G. O. Fridlender, and Chs. II, V, VI, and VII by M. S. Kozlov. There are 16 references, all Soviet.

TABLE OF CONTENTS:

KOZLOV, M.S.

PHASE I BOOK EXPLOITATION SOV/5894

Bodner, Vasiliy Afanas'yevich, and Mikhail Stepanovich Kozlov

Stabilizatsiya letatel'nykh apparatov i avtopiloty (Stabilization of Aircraft and Automatic Pilots) Moscow, Oborongiz, 1961. 508 p. Errata slip inserted. 10,000 copies printed

Ed. (Title page): V. A. Bodner, Doctor of Technical Sciences, Professor; Reviewers: B. N. Petrov, Academician; Ye. G. Izvol'skiy, Candidate of Technical Sciences, Docent; and I. A. Mikhalev, Candidate of Technical Sciences; Ed. of Publishing House: I. A. Suvorova; Tech. Ed.: N. A. Pukhlikova; Managing Ed.: S. D. Krasil'nikov, Engineer.

PURPOSE: This is a textbook for the course "Stabilization of Aircraft and Autopilots" given at aviation schools of higher education. It may also be useful to engineers and technicians interested in the theory and construction of automatic flight-control systems.

Card 1/8

Stabilization of Aircraft (Cont.) SOV/5894

COVERAGE: The book discusses the theory, construction principles, design characteristics, and use of automatic flight-control systems. It covers the theory of automatic control of angular motion, of motion of the center of mass, and of flight speed; semiautomatic control systems; and control systems for the various flight stages(in flight, landing, being guided to terrestrial and aerial targets). The discussion also includes the dynamic characteristics of aircraft and the dynamics of transient processes of closed-loop flight control systems, their transfer functions and frequency characteristics. Methods are presented for determining the transfer coefficients of such systems and their effect on control dynamics. The design characteristics of self-optimizing control systems are also considered. Chs. I, II, IV, V, VI, IX, and XII were written by V. A. Bodner; Chs. III, VII, VIII, X, and XI, by M. S. Kozlov; and Ch. XIII, by both authors. No personalities are mentioned. There are 15 references: 14 Soviet (including 2 translations) and 1 English.

TABLE OF CONTENTS [Abridged]:

Card 2/5

L 46023-66 EWT(d)/EWP(1) IJP(c) GD/BC

ACC NR: AT6017610 (N) SOURCE CODE: UR/0000/65/000/000/0083/0092

AUTHOR: Kozlov, M. S.; Fedorenko, G. I.

20
B+1

ORG: none

TITLE: Dynamics of an adaptive flight control system which retains a given stability margin

SOURCE: Vsesoyuznaya konferentsiya po teorii i praktike samonastraivayushchikhsya sistem. 1st, 1963. Samonastraivayushchiyesya sistemy (Adaptive control systems); trudy konferentsii. Moscow, Izd-vo Nauka, 1965, 83-92

TOPIC TAGS: automatic flight control, automatic control stability, automatic spacecraft control, programmed automatic control

ABSTRACT: A detailed analysis of adaptive control systems operating on the principle of comparing the lowest and highest parts of the frequency spectrum of the control loop signals is presented. A block diagram and a root locus graph of an angular velocity control system, and an adaptive loop are presented. The adaptive loop includes low and high pass filters with detectors. When the stability limit is approached, the energy of the highest part of the frequency spectrum of the error signal increases and the detected signal from the high pass filter dominates. This causes the generation of a control signal which decreases the forward loop gain of the control system. An

Card 1/2

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ACC NR: AT6017610

opposite operation is produced whenever the system is too far away from the stability limit. A detailed computational and graphical analysis of the change of the transfer function over the frequency spectrum is presented, including consideration of random disturbances. The same method may be applied to the control of several parameters. A block diagram and computed results are presented for a system with two controlled parameters. Orig. art. has: 11 figures, 10 formulas.

SUB CODE: 13,01,09/ SUBM DATE: 22Nov65/ OTH REF: 001

Card 2/2 fv

KOZLOV, M.S.; KRASNOSELOV, N.L.

Present state of the flotation method of concentrating titanium-magnetite ores in ore dressing plants. Titan i ego splavy no.8: 3-7 '62. (MIRA 16:1)

(Titanium ores) (Flotation)

KOZLOV, M.T., Cand Geol-Min Sci --(diss) "Geology and small intrusions of the western ~~outlying district~~ extreme of the Western Tannu-Ola mountain range." Voronezh, 1958. 24 pp (Min of Higher Education. Voronezh State U), 150 copies (KL, 41-58, 120)

[illegible], M.S.

Ways for the efficient organization of equipment repair. Trakt. i sel'khozmash. no.12:38-39 D '64 (MIRA 18:2)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut narodnogo khozyaystva imeni G.V. Plekhanova.

AFANAS'YEV, A.P.; KOZLOV, M.T.

Composition of clay weathering products from the contact of rocks of basic and acid composition. Mat. po min. Kol'. poluost. 3:204-210 '62. (MIRA 17:3)

KOZLOV, Mikhail Vasil'yevich; SMIRNOVA, N.P., red.; YEROFEYEV, I.A., red.; ZAYTSEVA, K.F., red. kart; KARPOVA, T.V., tekhn. red.

[Economic geography; concise textbook for teachers] Ekonomicheskaia geografiia; kratkoe posobie dlia uchitelia. Moskva, Gos. uchebno-pedagog. izd-vo M-va prosv. RSFSR, 1961. 238 p. (MIRA 14:8)

(Geography, Economic)

KOZLOV M.V.

AUTHORS: Bunim, L.L., and Kozlov, M.V., Engineers 91-58-6-6/39

TITLE: Condensed Water Recirculation Regulator (Regulyator retsirkulyatsii kondensata)

PERIODICAL: Energetik, 1958, Nr 6, pp 8 - 9 (USSR)

ABSTRACT: Details are given of how the level is automatically regulated by condensed-water pumps in the condenser of a AP-10 turbine. For this purpose, a recirculation regulator with a rigid return connection was designed in the form of a cylinder plus piston sealed with a rubber disk and rings. (Figure 1). In figure 2 a diagram of the regulator is given. There are 2 figures.

AVAILABLE: Library of Congress

Card 1/1 1. Steam regulators-Design

8(6) SOV/91-59-9-13/33

AUTHOR: Kozlov, M.V., Engineer

TITLE: The Operational Signalization of the Shore Pumping Station of a Thermal Power Plant

PERIODICAL: Energetik, 1959, Nr 9, pp 20-22 (USSR)

ABSTRACT: The author describes a simple signalization system, which may be easily built at a cost of 500-600 rubles. Such a signalization system was developed and built at the author's TETs between a shore pumping station and the turbine hall. The signalization system will show: 1) Bearing temperatures of pump unit Nr 1 are too high; 2) Bearing temperatures of pump unit Nr 2 are too high; 3) The water level in the channel is low; 4) The door to the pumping station is open, 5) There is no voltage in the signalization system. The circuit diagram of the signalization system is shown in Figure 1. KMT-10 thermistors were used for measuring the bearing temperatures. The pumping station and the turbine hall are connected by a

Card 1/2

SOV/92-59-9-13/33

The Operational Signalization of the Shore Pumping Station of a Thermal Power Plant

telephone cable, whose free strands are used for the signalization system. Further, low-current telephone relays are used. This signalization system is in operation since August 1958. The pumping station is now operated without a permanent attendant. There are 2 circuit diagrams and 1 graph.

Card 2/2

KOZLOV, M.V.; PIVOVAROV, A.T.; MIN'KOVSKIY, Ya.I.; OPRISHKO, A.A.

Automatic control of the circulation of a bead catalyst.
Khim. i tekh. topl. i masel 9 no.4:45-48 Ap '64.
(MIRA 17:8)

1. Groznenskiy filial Nauchno-issledovatel'skogo i proyektnogo instituta po kompleksnoy avtomatizatsii proizvodstvennykh protsessov v neftyanoy i khimicheskoy promyshlennosti.

KOZLOV, M.Ya., Cand Med Sci -- (diss) "Changes in the peripheric section of the auditory analyzor during acute Radiation sickness." Len, 1958, 16 pp (Min of Health USSR. Central Sci Res Roentgeno-Radiology Inst) 100 copies (KL, 32-58, 111)

KOZLOV, M.Ya.

The state of hearing in radiation sickness [with summary in English]. Med.rad. 3 no.4:64-69 Jl-Ag '58. (MIRA 12:3)

1. Iz kafedry meditsinskoy radiologii (zav. - prof. M.N. Pobedinskiy) i kafedry bolezney ukha, gorla i nosa (zav. - prof. V.G. Yermolayev) Leningradskogo gosudarstvennogo instituta usovershenstvovaniya vrachey imeni S.M. Kirova.

(ROENTGEN RAYS, effects,
sublethal dose, on hearing in guinea pigs (Rus))
(HEARING,
eff. of x-ray sublethal dose in guine pigs (Rus))

KOZLOV, M.Ya., aspirant

Changes in the peripheral section of the auditory analysor in acute radiation sickness. Vest.otorin. 20 no.2:29-35 Mr-Ap '58. (MIRA 12:11)

1. Iz kafedry bolezney ukha, gorla i nosa (zav. - prof.V.G. Yermolayev) i kafedry meditsinskoy radiologii (zav. - prof. M.N.Pobedinskiy) Leningradskogo instituta usovershenstvovaniya vrachey.

(RADIATIONS, eff.
on peripheral section of auditory analysor in guinea pigs (Rus))
(NERVES, ACOUSTIC, eff. of radiations on change in peripheral section of auditory analysor in guinea pigs (Rus))

KOZLOV, M.Ya.

Morphological changes in the organ of hearing at the climax of acute radiation sickness. Zhur. ush., nos. i gorl. bol. 19 no.5:59-65 S-O '59. (MIRA 14:10)

1. Iz kafedry meditsinskoy radiologii (zav. - prof. S.M.Pobedinskiy) i kafedry bolezney ukha, gorla i nosa (zav. - prof. V.G.Yermolayev) Leningradskogo instituta usovershenstvovaniya vrachey imeni S.M.Kirova.
(RADIATION SICKNESS) (EAR)

TEREMYAZEV, G., inzh.; GLEBOV, V., inzh.; LUZANOV, B.; MEDNIKOV, V.; GURMAN, V., inzh.; SHARKHOV, A., inzh.; KOZLOV, N.; KULIK, B.; PETROV, N., inzh.; POTOKIN, A., master po pnevmopriboram

Exchange of experience. Avt. transp. 43 no.9:49-53 S '65. (MIRA 18:9)

1. Tashkentskiy avtobusnyy park No.2 (for Potokin).