KATSENOVICH, L.A.

Industrial health problems in the dressing of polymetallic ores. Med. zhur. Uzb. no.12:37-41 D '60. (MIRA 14:1)

1. Iz Uzbekskogo nauchno-issledovatel'skoto instituta sanitarii, gigiyeny i professional'nykh zabolevaniy (direktor - dotsent A.Z. Zakhidov).
(ORE DRESSING--HYGIENIC ASPECTS) (LEAD POISONING)

KATSENOVICH, R. A.

32741. Narutseniya kislotno-shchelochnogo ravnovesiya pri alimentarnoy distrofii, doklady akad. Nauk uzssr, 1949, No. 9, s. 30-34——rezyume na uzbek. yaz.— bibliogr: 10 nazv

SO: Letopis' Zhurnal'nykh Statey, Vol. 44, Moskva, 1949

KATSENOVICH, R. A.

29264 Narusheniye kislotno-shchelochnogo ravnovesiya pri toksicheskom gepatite s astsitom. V sb: Nauch. sessiya Akad. nauk UzSSR 24-28 Yanv. 1949 g. Doklady Med. Sektsii. Tashkent, 1949, s. 139-49.- Bibliogr: 13 nazv.

SO: Letopsi' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

1. KATSENOVICH, R. A.

2. USSR (600)

4. Main Turkmen Canal - Public Health

7. Some problems of medical and public health service at the Main Turkmen Canal. Sov. zdrav. 12, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Uncl.

KATSENOVICH, R.A.; KETKO, M.I.; SADYKOV, A.S.; ESTRIN, P.L.

Treatment of digestive diseases with mineral waters of Uzbekistan. Izv.AN Uz.SSR.Ser.med. no.4:15-20 '58. (MIRA 12:5)

1. Uzbekskiy gosudarstvennyy nauchno-issledovatel'skiy institut kurortologii i fizioterapii im. Semashko.
(UZBEKISTAN--MINERAL WATERS) (DIGESTIVE ORGANS--DISEASES)

KATSENOVICH, R.A., starshiy nauchnyy sotrudnik

Use of Tashkent mineral water in the compound treatment of chronic hepatitis and cholecystitis. Trudy Uz. gos. nauch.-issl. inst. kur. i fizioter. no.15:151-161 '59. (MIRA 14:9)
(GALL BLADDER--DISEASES) (LIVER--DISEASES)
(MINERAL WATERS)

KATSENOVICH, R.A., starshiy nauchnyy sotrudnik

Treatment of cardiovascular system diseases with Tashkent mineral water. Trudy Uz. gos. nauch.-issl. inst. kur. i fizioter. no.15: 175-182 '59. (MIRA 14:9)
(CARDIOVASCULAR SYSTEM—DISEASES) (MINERAL WATERS)

KATSENOVICH, R.A., starshiy nauchnyy sotrudnik

Treatment of dystrophic polyarthritis with Tashkent mineral water. Trudy Uz. gos. nauch.-issl. inst. kur. i fizioter. no.15:213-217 '59. (MIRA 14:9)

(ARTHRITIS) (MINERAL WATERS)

KATSENOVICH, R.A., kand.med.nauk

Principles and methods in treating diseases of the digestive system with Tashkent mineral water. Med. zhur. Uzb. no.4:16-19 Ap '60. (MIRA 15:3)

1. Iz Uzbekskogo nauchno-issledovatel'skogo instituta kurortologii i fizioterapii imeni N.A. Semashko (direktor - dotsent Ya.K. Muminov).
(DIGESTIVE ORGANS--DISEASES)
(TASHKENT--MINERAL WATERS)

OBROSOV, A.N., otv. red.; MUMINOV, Ya.K., zam. otv. red.; BULATOV, P.K., red.; VASIL'YEV, L.L., red.; DALIMOV, Z.A., red.; KATSENOVICH, R.A., red.; KETKO, M.I., red.; MINKH, A.A., red.; CHERNYAVSKIY, Ye.A., prof., red.; SHRAMKOVA, G.A., red.; TSAY, A.A., tekhn. red.

[Aeroionization and hydroaeroionization in medicine] Aeroionizatsiia i gidroaeroionizatsiia v meditsine; materialy. Red. kollegiia: A.N.Obrosov i dr. Tashkent, Medgiz, 1962. 305 p. (MIRA 16:6)

1. Vsesoyuznaya konferentsiya po aero- i gidroaeroionizatsii, Tashkent, 1960. 2. TSentral'nyy institut kurortologii i fizioterapii, Moskva (for Obrosov). 3. Kafedra fiziologii cheloveka i zhivotnykh Leningradskogo gosudarstvennogo universiteta (for Vasil'yev). 4. Uzbekskiy gosudarstvennyy nauchno-issledovatel'skiy institut kurortologii i fizioterapii im.N.A.Semashko (for Katsenovich). 5. Gospital'naya terapevticheskaya klinika Leningradskogo gosudarstvennogo meditsinskogo instituta im. I.P.Pavlova (for Bulatov).

(AIR, IONIZED--THERAPEUTIC USE)

KATSENOVICH, R.A., kand.med.nauk

Climatotherapy and climatoprophylaxis in Uzbekistan. Sbor. trud.Uz.gos.nauch.-issl.inst.kur.i fizioter. 17:9-15 '62. (MIRA 17:7)

KATSENOVICH, R.A.

Some physiological indices in healthy people in a hot climate. Trudy Uz.gos.nauch.-issl. inst.kur. i fizioter. 13:19-39 '55.

Basal metabolism and specific dynamic action of protein in hypertension. Ibid.:74-80 (MIRA 18:2)

MUMINOV, Ya.K.; KATSENOVICH, R.A.; KETKO, M.I.

Coordination of the work of health resorts and physiotherapeutic institutions of the republics of Central Asia. Vop. kur., fizioter. i lech. fiz. kul't. 30 no.1:80-82 Ja-F '65. (MIRA 18:8)

1. Uzbekskiy institut kurortologii i fizioterapii imeni N.A. Semashko (direktor - Ya.K. Muminov), Tashkent.

KATSEPIN, G.L., KUZNETSOVA, L.V., LYUBIMOV, A.L., ROZENTAL I.L., ..., ..., FIROS, L.KH. and ROBTOTIN, N.A.

Electronic-nuclear showers of cosmic rays and nuclear-cascade process. (Work conducted at Physical Institute* imeni Lebedev of Academy of Sciences USSR).

Journal of Experimental and Theoretical Physics, Vol. 19, No. 9, 23 Sept. 1949.

SHARYGIN, A.I.; KATSEPOVA, V.I.

Experience in combining the duties of spinner and doffer. Tekst. prom. 21 no.3:53-54 Mr '61. (MIRA 14:3)

1. Direktor Voronezhskoy kordnoy fabriki (for Sharygin). 2. Starshiy normirovshchik Voronezhskoy kordnoy fabriki (for Katsepova). (Spinning)

BUKHTANOV, I.N.; TSAR'KOV, G.A.; PEYSAKHOV, V.K.; KATSER, B.M.; VAKHRAMEYEVA, T.N.; TRET'YACHENKO, S.Ya.

Rubber coatings and belts for draw boxes on spinning machines. Tekst.prom. 19 no.2:20-24 F '59. (MIRA 12:5)
(Spinning machinery) (Rubber coatings)

KATSER, I.I.; GRINBERG, S.B.

Experience with hydrolysin L-103, BK-8, and Belenkii's serum in certain acute surgical diseases. Probl.gemat. i perel.krovi 4 no.7:47-48 Jl '59. (MIRA 12:10)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. - prof.A.G. Sosnovskiy) lechebnogo fakul'teta Odesskogo meditsinskogo instituta i khirurgicheskogo otdeleniya (zav. S.A.Beylin) Vodnotransportnoy rayonnoy bol'nitsy.
(AMINO ACID MIXTURES, ther. use,
protein hydrolysates in acute surg. dis. (Rus))

KATSER, I.I.; ARONIN, A.Ye., kand.med.nauk

Differential diagnosis of Botkin's disease and malignant neoplasms causing obstructive jaundice. Vrach.delo no.1:51-55 '60. (MIRA 13:6)

1. Khirurgicheskoye otdeleniye Vtoroy klinicheskoy bol'nitsy TSentral'nogo rayona Odessy i 14-ye otdeleniye infektsionnoy bol'nitsy.

(HEPATITIS, INFECTIOUS) (JAUNDICE) (CANCER)

KATSER, I.I. (Odessa, ul. Chicherina, d.129, kv.1)

Spontaneous rupture of the spleen in a patient with septic pancreatitis. Nov.khir.arkh. no.11:81-82 '61. (MIRA 14:12)

1. Khirurgicheskoye otdeleniye (zav. - prof. K.G. Tagibekov) 2-y klinicheskoy bol'nitsy TSentral'nogo rayona Odessy.
(PANCREAS—INFLAMMATION) (SPLEEN—RUPTURE)

S/020/60/135/004/029/037
B004/B056

AUTHORS: Zaretskiy, Ye.M., Katser, I.M., and Petrova, O.A.

TITLE: Effect of Corrosion Inhibitors Upon Corrosive and Mechanical Wear

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 135, No. 4, pp. 890 - 892

TEXT: The wear of steel under conditions where corrosive and mechanical effect are of the same order of magnitude is discussed in the present paper. This case occurs on wet spinning of flax. It was the aim of the present work to reduce corrosive and mechanical wear caused by Moscow tap water in 4 x 13 type nitrided steel by means of corrosion inhibitors. Experiments were made at 40°C in a X2M (Kh2M) device, in which a disk of high-speed steel revolved in an electrolyte and formed a hole in the specimen. Speed was 500 rpm in all experiments at a load of 2.25 kg. First, the effect of cathodic and anodic polarization was examined. A Platinum foil served as second electrode. Results are compiled in Fig. 1. Fig. 2 shows the result of the action of anodic and cathodic inhibitors. Addition of sodium hexametaphosphate reduced wear by 25%. The authors thank . .

Effect of Corrosion Inhibitors Upon Corrosive and Mechanical Wear

S/020/60/135/004/029/037
B004/B056

M.A.Babichev for his advice. There are 2 figures and 9 references: 8 Soviet and 1 US.

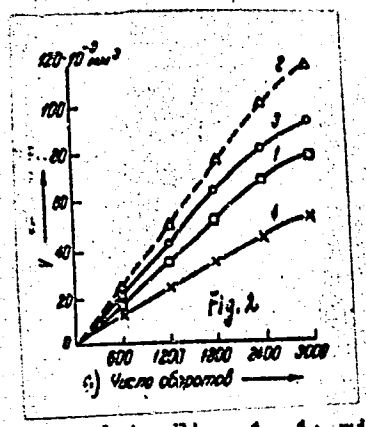
ASSOCIATION: Nauchno-issledovatel'skiy institut vspomogatel'nykh izdeliy i zapasovykh detaley k tekstil'nomu oborudovaniyu (Scientific Research Institute of Accessories and Spare Parts of Textile Equipment)

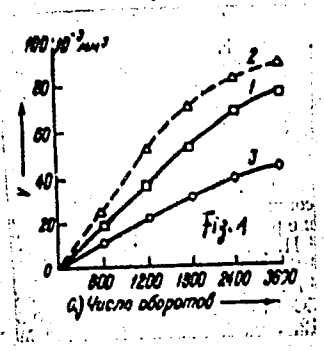
PRESENTED: June 24, 1960 by P.A.Rebinder, Academician

SUBMITTED: June 1, 1960

Card 2/3

S/020/60/135/004/029/037
B004/B056





Legend to Fig. 1. 1: without polarization; 2: with anodic polarization, D_a = 1 ma/cm^2; 3: with cathodic polarization, D_c = 0.1 ma/cm^2; a) rpm; V = wear in mm^3.

Legend to Fig. 2. 1: without addition; 2: with 500 mg/l sodium nitrite; 3: with 500 mg/l water glass; 4: with 200 mg/l sodium hexametaphosphate; a) rpm; V = wear in mm^3.

Card 3/3

KATSER, I.M., inzh., starshiy nauchnyy sotrudnik; PETROVA, O.A., kand. tekhn.nauk

Protection of dyeing and finishing equipment against corrosion. Tekst.prom. 21 no.11:65-68 N '61. (MIRA 14:11)

1. TSentral'nyy nauchno-issledovatel'skiy institut vspomogatel'nykh izdeliy i zapasnykh detaley k tekstil'nomu oborudovaniyu (TSNIIMashdetal') (for Katser).
(Textile machinery—Corrosion)

KATSER, L. I. (ODESSA)

USSR/Medicine - Buerger's Disease Jul 53

"The Effects of Intraarterial Introduction of Novocain in Obliterative Thromboangiitis, (According To Electrocardiograph Data)", A. I. Popova, L. I. Katser (Odessa), Basin Hospital for Seamen

Klin Med, Vol 31, No 7, pp 57-59

Describes a modification of the N. N. Yelanskiy treatment for Buerger's disease, which involves intraarterial administration of novocain and morphine with 70% of cases reportedly recovered. In connection with the modified treatment, pre- and post-treatment cardiograms were taken; treatment and novocain injected intraarterially without mor- chine. States that the vasoconstrictive effect of intraarterially introduced novocain contraindicates this treatment for cases with a coronary deficiency. The general results of this investigation are uncertain. Further research and experimentation in this field are scheduled.

270T52

270T52

KATSER, M.A.

Changes in equipment and electrical networks of presently manufactured locomotives. Elek. i tepl. tiaga 6 no.11:30-34 N '62. (MIRA 16:1)

1. Rukovoditel' gruppy otdela glavnogo konstruktora Novocherkasskogo elektrovozostroitel'nogo zavoda.
(Electric locomotives)

KATSER, M.A., inzh.; POKROMKIN, V.I., inzh.

Changes in the electric circuit of the newest model of VL60 electric locomotives. Elek. i tepl. tiaga 9 no.11:23-25 N '65. (MIRA 19:1)

KATSER, M.A.

Some modifications of the electric circuit for the VL60 electric locomotive. Elek. i tepl.tiaga no.7:22-24 Jl '63. (MIRA 16:9)

1. Rukovoditel' gruppy otdela glavnogo konstruktora Novocherkasskogo elektrovozostroitel'nogo zavoda.
(Electric locomotives)

KATSER, M.A.

Electrical network of the VL60 a.c. locomotive. Elek. i tepl. tiaga 7 no.3:26-28 Mr '63. (MIRA 16:6)

1. Rukovoditel' gruppy otdela glavnogo konstruktora Novocherkasskogo elektrovozostroitel'nogo zavoda.
(Electric locomotives)

26721
S/056/61/041/005/036/038
B109/B102

24.2200 (1160,1164,1482)

AUTHORS: Katser, Yan, Kreynes, N. M.

TITLE: Hexagonal anisotropy in $MnCO_3$ and $CoCO_3$

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 41, no. 5(11), 1961, 1691-1692

TEXT: Measurements of the anisotropy in $MnCO_3$ and $CoCO_3$ single crystals yielded results which differed considerably from those obtained by M. Date (Ref. 4: Phys. Soc. Japan, 15, 2251, 1961). The measurements were carried out at $MnCO_3$ and $CoCO_3$ disks which had been prepared by a method according to N. Yu. Ikornikova at the Institut kristallografii AN SSSR (Institute of Crystallography AS USSR). $CoCO_3$ specimens: 0.6 mm diameter, 0.35 mm thick, weight 0.472 ± 0.01 mg, density $\varrho = 4.25$ g/cm^3. $MnCO_3$ specimens: 1.3 mm diameter, 0.35 mm thick. The trigonal [111] axis of the specimens was perpendicular to the base of the disks. Anisotropy measurements were made by means of torsion balances

Card 1/3

Hexagonal anisotropy in...

($D' = 1.24 \cdot 10^{-3}$ dyne/cm/mm, reading accuracy ~0.1 mm) at temperatures of liquid helium, hydrogen, and nitrogen, and at room temperature in a magnetic field of 5600 oersteds. The latter value is more than twice the saturation value for $MnCO_3$ and $CoCO_3$, as given by A. S. Borovik-Romanov and V. I. Ozhogin (ZhETF, 39, 27, 1960). The measurements with $MnCO_3$ showed that (1) $MnCO_3$ has a slight hexagonal anisotropy at any temperature, (2) the amount of this anisotropy is less than 1 erg/cm^3. This contradicts the values found by Date. (3) Below the Neel point (32.5°K) there is no crystallographic anisotropy at all. In the case of $CoCO_3$, the measurements showed a strong anisotropy ($K_3 = 634$ erg/cm^3 at 4.2°K). On the other hand, $K_3 = 0$ at all temperatures above the Neel point (18.1°K). The field strength at which saturation occurs, was found from the relation $H_{c_3} = 18\ K_3/I_s$, where I_s denotes the spontaneous ferromagnetic moment per cm^3 (= 50 CGSE). In this was, H_c was found to be 228 oersteds. This value can be explained only when further magnetization processes are assumed

Card 2/3

Hexagonal anisotropy in...

since the true value of H_c amounts to $(2-3)\cdot 10^3$ oersteds. Academician P. L. Kapitsa and A. S. Borovik-Romanov are thanked for their interest and advice. Dzyaloshinskiy is mentioned. There are 5 references: 4 Soviet and 1 non-Soviet.

ASSOCIATION: Institut fizicheskikh problem Akademii nauk SSSR (Institute for Physical Problems of the Academy of Sciences USSR). Fizicheskiy institut Chekhoslovatskoy Akademii nauk (Institute of Physics of the Czechoslovakian Academy of Sciences)

SUBMITTED: September 23, 1961

Card 3/3

S/137/62/000/004/010/201
A006/A101

AUTHORS: Gauptman, Z., Katser, Ya., Gemperle, R.

TITLE: Growing of filiform cobalt crystals and some results of their physical investigation

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 4, 1962, 19, abstract 4A99 (V sb. "Rost kristallov, v. 3", Moscow, AN SSSR, 1961, 159 - 166, Discuss. 214 - 218)

TEXT: Filiform Co crystals were grown by reduction of analytically pure dehydrated Co bromide with hydrogen, refined of O_2. The process is carried out on a special device. The optimum temperature for Co crystal growth is 750 - 760°C, and the necessary rate of H_2 flow varies within 0.4 - 0.8 cm/sec. The filiform crystals obtained have a thickness from a few μ to 100 μ and a length of a few millimeters. On the crystals obtained, the domain structure was studied. It was established that the surface structure of domains was extremely complex; this is in contradiction to theoretical concepts. However, the surface domain structure is exclusively regular. A passage of domains from one to

Card 1/2

Growing of filiform cobalt...

the other side of crystals is observed. A brief review is given of the properties of filiform crystals, the mechanism of their growth and methods of growing.

V. Zemskov

[Abstracter's note: Complete translation]

KATSEV, A.; LEYN, S.

Experience of a car-rental unit. Avt.transp. 38 no.3:13-16 Mr '60. (MIRA 13:6)
(Moscow—Automobiles, Rental)

KATSEV, A.

The effect of copper ions on the properties of ammonium pure silver bromide emulsions. Doklady BAN 14 no.7: 703-706 '61.

1. Submitted by Academician R. Kaishev.

(Copper) (Ions) (Ammonium) (Silver compounds)

S/081/62/000/017/069/102
B156/B186

AUTHOR: Katsev, A.

TITLE: Methods of producing emulsions for photographic printing paper. I. Unwashed silver chlorobromide emulsions

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 17, 1962, 454, abstract 17L352 (Izv. N.-i. in-t kinematogr. i radio, v. 2, 1959 - 1960 (1961), 91 - 109 [Bulg., summaries in Russian and Engl.])

TEXT: Several methods of producing emulsions for silver chlorobromide enlargement printing paper are described. The effects of gelatin, the pH, the temperature, the silverhalide ratio and the presence of metallic ions have been investigated with a view to producing emulsions with different contrast ranges with high sensitivities to light, and with consistent properties as regards fogging during ageing and development. Several methods of producing printing paper are recommended. [Abstracter's note: Complete translation.]

Card 1/1

S/081/62/000/017/070/102
B156/B186

AUTHOR: Katsev, A.

TITLE: Some different methods of producing emulsions for photographic printing paper

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 17, 1962, 454, abstract 17L353 (Izv. N.-i in-t kinematogr. i radio, v. 2, 1959 - 1960 (1961), 111 - 127 [Bulg., summaries in Russian and Engl.])

TEXT: Three methods of producing unwashed and washed silver bromide emulsions are examined. The effects of KI, $Pb(NO_3)_2$, $CdCl_2$ and gelatin on the photographic properties of printing papers were verified. Introducing cadmium, lead or rhodium salts before emulsifying improves the contrast range of emulsions. When both cadmium and rhodium chlorides are introduced this range is extremely wide. The additive nature of the effect shows that cadmium and rhodium ions affect the increase in contrast range in different ways. The author considers that the rhodium ions selectively desensitize the largest and most sensitive grains. [Abstracter's note: Complete translation.]

Card 1/1

S/081/62/000/017/068/102
B156/B186

AUTHOR: Katsev, A.

TITLE: The physical ageing of ammoniacal silver bromide photographic emulsions with an excess of ammonia

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 17, 1962, 454, abstract 17L351 (Izv. N.-i. in-t kinematogr. i radio, v. 2, 1959 - 1960 (1961), 129 - 135 [Bulg., summaries in Russian and Engl.])

TEXT: The physical ageing of ammoniacal emulsions with 50% and 100% excesses of ammonia was investigated. The higher the concentration of ammonia, the faster the increase in grain size at the initial stage of ageing and the slower the increase at later stages. The reason for this lies in the more rapid coalescence when ageing begins and in the fact that the silver bromide becomes more soluble in proportion to the concentration of ammonia. The ageing of emulsions with an excess of ammonia results in the cubic microcrystals being replaced by octahedral grain shapes. [Abstracter's note: Complete translation.]

Card 1/1

S/081/62/000/023/014/120
B156/B186

AUTHOR: Kateev, A.

TITLE: The effects of ions on the properties of ammoniacal silver bromide emulsions

PERIODICAL: Referativnyy zhurnal, Khimiya, no. 23, 1962, 96, abstract 23B718 (Dokl. Bolg. AN, v. 14, no. 7, 1961, 703 - 706 [Eng.; summary in Russ.])

TEXT: The effects produced on silver bromide photographic emulsions by the concentration of Cu^{2+} ions added to gelatin solutions before emulsification were investigated as regards surface and deep sensitivity to light, maximum contrasting and fogging in the 2nd ageing process. At Cu^{2+} ion concentrations of 0.1 - 0.25 mol% with relation to the $AgNO_3$, the sensitivity to light is greatly reduced, whereas if the concentration of Cu^{2+} ions is further increased the decrease in sensitivity becomes less marked. When the concentration of Cu^{2+} ions is altered, the contrast passes

Card 1/2

The effects of ions on the...

through a maximum corresponding to ~1 mol% of Cu^{2+} ions. During the 2nd ageing period in the presence of Cu^{2+} ions fogging increases very slowly.
[Abstracter's note: Complete translation.]

Card 2/2

AZMANOV, M.; KATSEV, A.

Effect of copper ions on physical ripening of silver bromide photographic emulsions. Doklady BAN 16 no.1:85-88 '63.

1. Submitted by Corresponding Member S. Christov [Khristov, S.].

BARSKAYA, N.; USHAKOV, S.; KATSEV, I., redaktor; MATISSEN, Z., tekhnicheskiy redaktor.

[Mari A.S.S.R.; sketch about a documentary film] Mariiskaia ASSR; ocherk o dokumental'nom fil'me. Moskva, Goskinoizdat, 1952. 26 p. (Mari A.S.S.R.) (MIRA 8:5)

IOFIS, Ye.A.; KATSEV, I., redaktor; LAKSHTOVSKAYA, M., redaktor; MATISSEN, Z., tekhnicheskiy redaktor.

[Practical photography manual] Prakticheskoe posobie po fotografii. Moskva, Iskusstvo, 1953. 247 p. (MLRA 7:7)
(Photography--Handbooks, manuals, etc.)

ZHURAVLEV, N.; KATSEV, I., redaktor; VOLYNTSEVA, V., tekhnicheskiy redaktor.

[On ocean ice; outline of the film] Vo l'dakh okeana; ocherk o fil'me. Moskva, Gos. izd-vo "Iskusstvo," 1953. 31 p. (MIRA 8:2)
(Arctic regions) (Motion pictures, Documentary)

KATSEV, I.; SUYETOV, M.

Renting to experienced drivers. Za bezop. dvizh. no.3:13 Ag '58.
(MIRA 11:12)

1.Zamestitel' direktora avtobazy No.12 (for Katsev). 2.Nachal'nik kolonny prokata avtobazy No.12 (for Suyetov).
(Automobiles, Rental)

IVANOV, A.P.; STEPANOV, B.I.; BERKOVSKIY, B.M.; KATSEV, I.L.

Calculating the effect of inhomogeneities on the light regime of a parallel-plate layer in nonlinear approximation. Dokl. AN BSSR 6 no.3:147-150 Mr '62. (MIRA 15:3)

1. Institut fiziki AN BSSR.

(Optics, Physical)

STEPANOV, B.I.; IVANOV, A.P.; BERKOVSKIY, B.M.; KATSEV, I.L.

Radiation transfer inside a plane-parallel layer in the approximation of nonlinear optics. Opt. i spektr. 7 no.4:533-536 Ap '62. (MIRA 15:5)

(Radiation) (Light--Transmission)

24.3950

37227
S/051/62/012/004/015/015
E039/E485

AUTHORS: Stepanov, B.I., Ivanov, A.P., Berkovskiy, B.M., Katsev, I.L.

TITLE: The transfer of radiation in a plane parallel layer in the approximation of nonlinear optics

PERIODICAL: Optika i spektroskopiya, v.12, no.4, 1962, 533-536

TEXT: The problem of the transfer of radiation in a plane parallel layer is considered on the basis of equations for the transmission of radiant energy with a nonlinear dependence of the absorption coefficient for dense radiation. The calculations are for monochromatic radiation (flux S_o) propagated normal to the surface of a layer of thickness l. On account of multiple reflections between the boundary layers there will be two fluxes S_1 and S_2 in opposite directions at any point x in the layer. An expression for the absorption coefficient k is derived

$$k = \frac{k_o}{1 + \alpha(S_1 + S_2)} \qquad (2)$$

where k_o is the absorption coefficient in the absence of a

Card 1/3

light field and α the nonlinear parameter ($\alpha \geq 0$). The problem is only considered for a particular case which allows an easy analytical solution, namely by putting S_o equal to zero. Equations are derived for the change in value of the absorption coefficient with position in the layer and its dependence on the reflectivity of the surface. The effect of a supplementary field of density u^{*} due to the thermal background is also considered and equations derived for the absorption coefficient k and the intensity of radiation $S_{исп}$ escaping from the layer.

$$k = \frac{k_o}{1 + avu^{*} + \alpha(S_1 + S_2)} \qquad (16)$$

and

$$S_{исп} = \frac{(1 + avu^{*}) \ln r - k_o l}{2\alpha} \qquad (17)$$

where r is the coefficient of reflection and v is the velocity of light. It follows that the condition for radiation from the layer is

Card 2/3

9.2576

42040
S/201/62/000/003/001/002
I045/I245

AUTHORS: Ivanov, A.P., Berkovskiy, B.M., and Katsev, I.L.

TITLE: Calculation of the emission of a light scattering layer by methods of non-linear optics

SOURCE: Izvestiya Akademii Nauk Belorusskoy SSR.Seriya fisiko-tekhnicheskikh nauk. no.3. Minsk, 1962, 23-26

TEXT: The authors investigate by means of the Schwarzschild-Schuster method the propagation of radiation of strong intensity in a turbid, plane-parallel layer, in the case when the negative absorption coefficient depends on the intensity of the light field. Conditions for selfexcitation of the turbid layer and an expression

Card 1/2

S/210/62/000/003/001/002
I045/I245

Calculation of the emission of....

for the intensity of the generated light are derived. The generated intensity is given by

$$S_{emit} = -\frac{W}{2} = -\frac{k_0 l}{2\alpha} + \frac{\alpha(sl)^2 + bsl + c}{2\alpha sl} \qquad (13)$$ where

W-absorbed energy per unit time; k_0-absorption coefficient at the absence of light field; α -parameter of non-linearity ($\alpha \geq 0$); s-scattering constant; l-thickness of the scattering layer; a,b, c-constants depending on the reflexion coefficient r at the parallel boundaries of the scattering layer. Significant is the fact, that at $r = 0$ αS_{emit} increases strongly with increasing sl, whereas at $r \to 1$ it becomes a constant $\frac{k_0 l}{2}$ determining the maximum possible value of the generated intensity. At small r a slight increase of the light scattering substance within the turbid layer causes a transition from a non-excited to a selfexcited system. There are 3 figures.

Card 2/2

41311

S/170/62/005/010/004/009
B104/B186

AUTHORS: Ivanov, A. P., Berkovskiy, B. M., Katsev, I. L.

TITLE: Reflection and transmission of a plane-parallel layer in the scope of non-linear optics

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, v. 5, no. 10, 1962, 58 - 64

TEXT: The subject of investigation is a plate of thickness l and of small luminance characterized by the absorption coefficient k_o and the [illegible] reflection coefficient on the face r. A luminous flux S_o is incident perpendicularly. Owing to multiple reflection there exist internally two kinds of flux at any point x: S_1 moving parallel to the incident flux, and S_2 moving in the opposite direction. These are described by the differential equations $dS_1 = -kS_1dx$, $dS_2 = kS_2dx$ (1) with the boundary conditions $S_{1(x=o)} = S_o(1 - r) + rS_{2(x=o)}$, $S_{2(x=l)} = rS_{1(x=l)}$ (2). The absorption coefficient can be expressed by $k = k_o/1 + \alpha(S_1 + S_2)$, where

Card 1/4

the parameters of non-linearity α and k_0 are assumed to be constant with respect to depth. The system (1) is solved by

$$\ln C_2 \alpha S_1 + \alpha S_1 - \frac{C_1}{\alpha S_1} = -k_0 x, \quad \ln \frac{\alpha S_2}{C_1 C_2} + \alpha S_2 - \frac{C_1}{\alpha S_2} = k_0 x. \qquad (4)$$

and the relation $S_1 S_2 = C_1/\alpha^2$ can be derived additionally from (1), stating that the product of two oppositely directed fluxes is constant at any depth. Hence the reflection coefficient R is obtained by

$$R = \frac{(1-r)C_1}{\alpha S_0 A} + r. \qquad (8)$$

and the transmission factor T by

$$T = \frac{1-r}{\alpha S_0}\sqrt{\frac{C_1}{r}} \qquad (9).$$

On the basis of these formulas the light field was studied inside and outside the medium. For the region where k_0 is positive R and T are calculated by

$$R = r + \frac{(1-r)^2 r \exp(-2k_0 l)}{1 - r^2 \exp(-2k_0 l)}, \quad T = \frac{(1-r)^2 \exp(-k_0 l)}{1 - r^2 \exp(-2k_0 l)}. \qquad (10)$$

for the condition $\alpha S_0 \ll 1$, and by

$$R = \frac{2r}{1+r} - \frac{2r}{\alpha S_0 (1+r)^2} k_0 l,$$
$$T = \frac{1-r}{1+r} - \frac{1}{\alpha S_0} k_0 l \qquad (11)$$

for the condition $\alpha S_0 \gg 1$. For the region of negative values of k_0,

$$R = \frac{2\alpha S_0 k_0 l r - 2r(1-r)(\alpha S_0)^2 - r(k_0 l)^2}{\alpha S_0 [2k_0 l r - \alpha S_0 (1-r^2)]},$$
$$T = \frac{(1-r^2) k_0 l \alpha S_0 - (1-r)^2 (\alpha S_0)^2 - r(k_0 l)^2}{\alpha S_0 [2k_0 l r - \alpha S_0 (1-r^2)]} \qquad (14)$$

holds for high luminances. At high values of r the energy density distribution in the plate is virtually constant. At small values, this distribution has a minimum in the interior of the plate which vanishes if $r \to 1$. There are 4 figures.

ASSOCIATION: Institut fiziki AN BSSR, g. Minsk (Institute of Physics AS BSSR, Minsk)

S/170/62/005/010/004/009
B104/B186

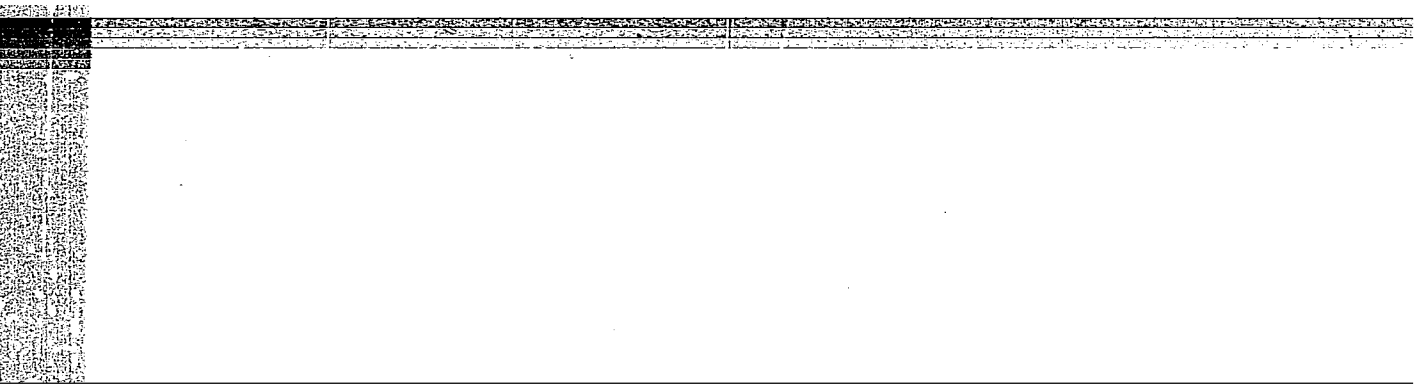
Reflection and transmission...

SUBMITTED: January 13, 1962

Card 4/4

IVANOV, A.P.; BERKOVSKIY, B.M.; KATSEV, I.L.

Calculation of the radiation of a light-scattering layer within the framework of nonlinear optics. Vestsi AN BSSR. Ser. fiz.-tekh. nav. no.3:23-26 '62. (MIRA 18:3)



APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721130005-2"

TOPIC TAGS: laser, helium neon laser, generation power, resonator loss, gas laser

Card 1/2

L 62249-65

method is also proposed for determining the unsaturated amplifica-

8 formulas. (02)

ASSOCIATION: none

L 44342-66 EWT(1)/T IJP(c)

ACC NR: AP6019658 SOURCE CODE: UR/0368/66/004/006/0563/0564

AUTHOR: Voytovich, A. P.; Katsev, I. L.

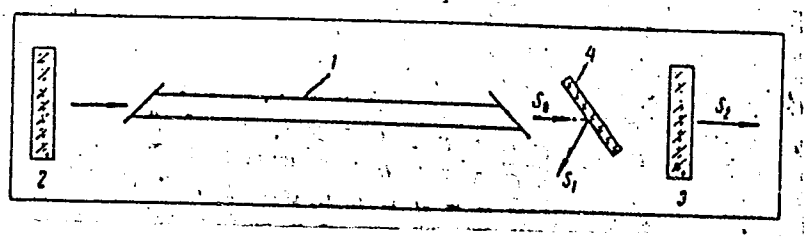
ORG: none

TITLE: Measurement of the transmission coefficient of high-reflection mirrors

SOURCE: Zhurnal prikladnoy spektroskopii, v. 4, no. 6, 1966, 563-564

TOPIC TAGS: magnetic mirror, gas laser, solid state laser, light reflection coefficient

ABSTRACT: The authors describe a method of measuring the transmission coefficients (T) of mirrors during laser operation. A schematic diagram of the device used is given in Fig. 1.



Schematic of the device: 1 - tube containing active substance; 2 - resonator mirror; 3 - mirror, the T of which is being determined; 4 - extraction plate.

Card 1/2 UDC: 535.89

L 44342-66

ACC NR: AP6019658

An extraction nonabsorbent plate is located at a specific angle to the resonator axis in the resonator of a gaseous laser. The relative error of T determination is approximately 10%. Three independent measurements of T for two mirrors produced the following results: 0.0021, 0.0022, and 0.0022 for the first mirror, and 0.0027, 0.0023, and 0.0025 for the second mirror. The method proposed may be used for the measurement of the reflection from Brewster windows, as well as for the determination of the parameters of mirrors in solid-state lasers. Orig. art. has: 1 figure and 3 formulas.

SUB CODE: 20/ SUBM DATE: 09Jan65/ ORIG REF: 002

Card 2/2 blg

KHUTORYANSKIY, M.S., kand. tekhn. nauk; TSATSKINA, F.N., inzh.; KATSEV, L., red.; TIMOFEYEV, V., tekhn. red.

[Keramzit-perlite concrete and its use in wall slabs] Keramzito-perlitobeton i ego primenenie v stenovykh paneliakh. Kiev, Izd-vo Akad. stroit. i arkhit. USSR, 1962. 26 p. (MIRA 16:7)
(Walls) (Lightweight concrete)

KATSEV, P.G.

Yeremin, B.F.'s "Broaching Machines"

"Broaching" Reviewed by P.G. Katsev Vest. mash. 32 No. 2, 1952

9. Monthly List of Russian Accessions, Library of Congress, October 1952, Uncl.

KATSEV, P.G., kandidat tekhnicheskikh nauk; BERLINER, M.S., inzhener.

"Broach design." Reviewed by P.G. Katsev, M.S. Berliner. Vest.mash. 33 no.3:86-89 Mr '53. (MLRA 6:5)

1. Laboratoriya rezaniya Avtomobil'nogo zavoda imeni Stalina (for Berliner). (Shchegolev, A.V.) (Broaching machines)

KATSEV, P.G., kandidat tekhnicheskikh nauk.

"Broaching" V.A. Sergienko, K.P. Nezabytovskii. Reviewed by P.G. Katsev.
Vest.mash. 33 no.3:89 Mr '53. (MLRA 6:5)

(Sergienko, V.A.) (Nezabytovskii, K.P.) (Broaching machines)

KATSEV, P. G.

USSR/Engineering - Machining

Card : 1/1

Authors : Katsev, P. G., Cand. Tech. Sci.

Title : Regarding the question of cutting stresses during broaching

Periodical : Vest. Mash., 34, Ed. 6, 44 - 46, June 1954

Abstract : Factors involved in the proper designing of broaches are evaluated and the required testing equipment is described. An analysis is made of the cutting pressure during broaching, the broaching stress [illegible] the degree of dullness of the teeth and the change in [illegible] broaching process. Tables; graphs.

Institution : ...

Submitted : ...

USSR/ Engineering - Metal working

Card 1/1 ~~Pub. 126 - 10/26~~

Authors : Katsev, P. G., Cand. of Mech. Sc.

Title : The selection of the amount of elevation of a cutting edge

Periodical : Vest. mash. 35/6, 45 - 47, Jun 1955

Abstract : Methods of selecting the amount of elevation of cutting edges [illegible] are specified, and technical data is given on the effect

Institution : ...

Submitted : .....

KATSEV, Pavel Grigor'yevich, kandidat tekhnicheskikh nauk; MANUYLOV, L.K., kandidat tekhnicheskikh nauk, retsenznet; STANKEVICH, V.G., inzhener, redaktor; TUBYANSKAYA, F.G., izdatel'skiy redaktor; ZADAKIN, I.M., tekhnicheskiy redaktor

[Deep broaching] Protiagivanie glubokikh otverstii. Moskva, Gos. izd-vo obor.promyshl., 1957. 230 p. (MIRA 10:11)
(Broaching machines)

25(6)

S/028/60/000/03/001/029
D041/D006

AUTHORS: Sis'kov, V.I. and Katsev, P.G.

TITLE: Establishing Tool Quality by Methods of Statistical Constrol

PERIODICAL: Standartizatsiya, 1960, Nr 3, pp 3-6 (USSR)

ABSTRACT: This article deals with production research, viz. how to determine the correlation between the operational properties of a product and its physical, chemical, geometrical, and other parameters by applying statistical mathematics. These relationships may be used for evaluating the operational quality of a product, to form its quality index, and to determine its dynamics in time. Numerous Soviet and foreign tests have shown, for instance, that it is impossible to evaluate accurately the quality of cutting tools on the basis of their design and geometrical parameters, because in the main they do not comply with those tolerances foreseen by standards,

Card 1/2

KATSEV, P. G.

PHASE I BOOK EXPLOITATION SOV/5059

Moscow. Vsesoyuznyy nauchno-issledovatel'skiy instrumental'nyy institut

Vysokoproizvoditel'nyye konstruktsii protyazhek i ikh ratsional'naya ekspluatatsiya (Highly Productive Broach Constructions and Their Efficient Operation) Moscow, Mashgiz, 1960. 119 p. Errata slip inserted. 4,800 copies printed.

Ed. (Title page): M. N. Larin, Doctor of Technical Sciences, Professor; Tech. Ed.: G. Ye. Sorokina; Managing Ed. for Literature on Metalworking and Machine-Tool Making: V. I. Mitin, Engineer.

PURPOSE: This book is intended for engineers and technicians concerned with the design and use of broaches.

COVERAGE: The book deals with requirements for achieving high labor efficiency through the proper use of broaches. In this connection the following main topics are discussed: 1) modern designs of broaches for efficient methods of broaching; 2) selection of broaching regimes to ensure desired surface finish and accuracy

Card 1/8

of broached part; 3) data on plant standards for wear and scrapping of broaches; and 4) data on reconditioning of broaches, etc. The sharpening and heat treatment of broaches, and the measurement of their geometric parameters are also discussed. The causes of abnormal functioning of broaches and measures for their correction are reviewed on the basis of experience gained by leading Soviet and non-Soviet factories. Problems in organizing the inspection of the broaching operation are also considered. The work on which this book is based was carried out in the laboratory for metal cutting of the Vsesoyuznyy nauchno-issledovatel'skiy instrumental'nyy institut (VNII) (All-Union Instrument Scientific Research Institute) in cooperation with other institutions and advanced plants (NIITavtoprom [Technological Scientific Research Institute of the Automobile Industry], ChTZ [Chelyabinsk Tractor Plant], ZIL [Plant imeni Likhachev], and others). The chapters were written as follows: Chapters I and IV, by M. N. Larin, Professor, and M. P. Tsyganova, Engineer; Ch. II, by M. Yu. Lapinskiy, Engineer, and P. G. Katsev, Candidate of Technical Sciences; Ch. III, by L. K. Petrosyan,

Candidate of Technical Sciences, and L. G. Dibner, Engineer; and Ch. V, by A. D. Martynov, Candidate of Technical Sciences. There are 36 references, all Soviet.

TABLE OF CONTENTS:

KATSEV, Pavel Grigor'yevich; MESHKOVSKAYA, M.A., red.; KOZLOVSKAYA, M.D., tekhn. red.; DORODNOVA, L.A., tekhn. red.

[Broaching] Protiazhnye raboty. Moskva, Vses. uchebno- pedagog. izd-vo Proftekhizdat, 1961. 254 p. (MIRA 15:2)
(Broaching machinery)

KATSEV, P.G., kand.tekhn.nauk

Practice of broaching machine operators. Mashinostroitel' no.9:36-37 S '61. (MIRA 14:10)

(Broaching machines)

S/002/62/000/007/001/001
A004/A127

AUTHORS: Katsev, P., Sis'kov, V.

TITLE: Statistical estimate of the service dependability of tools

PERIODICAL: Vestnik statistiki, no. 7, 1962, 23 - 40

TEXT: The authors investigate the quality of cutting tools in automated production. They define the dependability of a tool, which they consider the main characteristic of cutting tools, as the probability of its normal operation in the course of a certain period of time, and present an index of dependability which is determined by the formula:

$$I_h = \frac{\Sigma i q_1 e_1}{\Sigma q_1 e_1},$$

where I_h = index of dependability (in %); i = ratio of dependability of the current period to the dependability of the basic period; q_1 = production output in the current period; e_1 = unit price of article in the current period. Based on investigations of the dependability of drills 5 mm in diameter, manufactured by the Tool Plant im. Voskov and tested at the avtozavod im. Likhacheva (Automobile

Card 1/2

Statistical estimate of the...

Plant im. Likhachev), the authors study in details the dependence of the average service life of the drills on various factors of wear, the dependence of the dependability level of the drills on the magnitude of guaranteed quality, drill parameters, etc., presenting a number of formulae , graphs and tables to support their calculations. They point out that the discovery and expression of an objective statistical correlation between qualitative indices (serviceability - dependability) makes it possible to lay down optimum dimensions and variation limits of individual parameters and to determine by this the methods of improving quality and dependability of the products. There are 3 figures and 14 tables.

Card 2/2

AYVAZYAN, S.A.; KATSEV, P.G.

Method of determining essential difference between two mean exponents. Zav.lab. 28 no.7:843-845 '62. (MIRA 15:6)
(Testing) (Mathematical statistics)

S/121/63/000/001/006/014
A004/A126

AUTHORS: Katsev, P.G., Sis'kov, V.I.

TITLE: The application of mathematical statistics to the investigation of cutting tools

PERIODICAL: Stanki i instrument, no. 1, 1963, 20 - 26

TEXT: The authors present a study on the possibility of applying mathematical statistics to investigating cutting tools. They point out that mathematical statistics as a method of processing experimental data and as a research method extend the possibility of studying cutting tools and cutting processes. A correlative analysis permits of investigating the cutting process and the cutting tool under actual conditions and thus makes it possible to obtain the dependences, taking into account the real variation of factors, on each variable separately (equations of pair correlation) and also on a number of variables (equations of multiple correlations). The authors emphasize that the use of mathematical statistics in the investigation of cutting tools makes it possible to evaluate the degree of influence on the process of unknown and indeterminable

The application of mathematical statistics to ....

factors. They conclude that the method of applying mathematical statistics to the investigation of cutting problems should be further developed. There are 13 figures and 2 tables.

Card 2/2

KATSEV, P.G.; YEPIFANOV, N.P.; DENISOV, P.S., inzh., retsenzent; MALEVSKIY, N.P., inzh., red.; GARANKINA, S.P., red.izd-va; TIKHANOV, A.Ya., tekhn. red.

[Manual for broaching-machine operators] Spravochnik protiazhnika. Moskva, Mashgiz, 1963. 254 p. (MIRA 16:7)
(Broaching machines)

BALYURA, P.G.; KATSEV, P.G., kand. tekhn. nauk, retsenzent;
KUNIN, P.A., inzh., red.

[Broaching of grooves] Protiagivanie pazov. Moskva, Mashinostroenie, 1964. 170 p. (MIRA 18:3)

KARASEV, V.K.; KATSEV, P.G.; DEMIDOV, A.L.; SOLODOVNIK, S.F.

Inventors suggest. Mashinostroitel' no.2:30-31 F '65.
(MIRA 18:3)

KATSEV, P.G.; RUDNEV, A.V.

All-Union conference on spiral drills. Stan. i instru. 36 no.1:40-41 Ja '65. (MIRA 18:4)

KATSEV, Z.V.

Work practices of a technological information specialist in a metal-cutting tool section of a plant. Opyt. rab. po tekh. inform. i prop. no.3:17-19 '63. (MIRA 16:12)

1. Nachal'nik byuro rekonstruktsii instrumental'nogo proizvodstva Chelyabinskogo traktornogo zavoda.

KATSEV, Z. V.

Prisposobleniia dlia instrumental'nykh tsekhov. Moskva, Mashgiz, 1950. 173 p. diagrs.

/Devices for tool shops./

DLC: TJ1185.K35

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

KATSEV, Z.V.

MARGULIS, David Konstantinovich; GAVRILOV, V.N., inzhener, retsenzent; KANASHKO, P.T., inzhener, retsenzent; KATSEV, Z.V., inzhener, retsenzent; SHABASHOV, S.P., kandidat tekhnicheskikh nauk, redaktor; YERMAKOV, N.P., tekhnicheskiy redaktor

[Broaches for variable cutting; construction and design] Protiazhki peremennogo rezaniia; konstruirovanie i raschet. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit.lit-ry, 1956. 219 p. (MLRA 10:8)
(Cutting tools)

KATSEVA, I.L.

Successful treatment of a case of an edematous form of hemolytic disease. Pediat. akush. ginek. no.3:63-64 '63 (MIRA 17:1)

1. Akusherako-ginekologicheskoye otdeleniye 2-go rodil'nogo doma (glavnyy vrach A.M.Zozulya) g. Kiyeva.

ACC NR: AP7003279 SOURCE CODE: UR/0250/66/010/012/0929/0932

AUTHOR: Chechenina, Ye. P.; Katseva, I. R.

ORG: Institute of Physics, AN BSSR (Institut fiziki AN BSSR)

TITLE: Emission from a generator-amplifier system

SOURCE: AN BSSR. Doklady, v. 10, no. 12, 1966, 929-932

TOPIC TAGS: laser emission, molecular amplifier, feedback amplifier, laser optic material, laser cavity

ABSTRACT: Making use of a procedure developed in an earlier paper (DAN BSSR v. 9, 10, 1965), the authors calculate the emission produced by a generator-amplifier system with allowance for their mutual influence (i.e., the feedback between the generator and the amplifier), for different parameters of the active medium and of the resonator. The properties of such a system are compared with those of a system in which the quantum generator and the quantum amplifier are considered separately, so as to determine the region of parameters in which the feedback must be taken into account. The calculation is based on energy relations with allowance for the dependence of the gain of the active medium on the radiation density. A computer (Minsk-1) was used for the calculations. The results are presented in the form of plots of the emission flux against the relative reflection coefficients and of the emitted energy on the relative reflection coefficient. The investigation shows that the mutual influence of the generator and the amplifier in such a compound system must

ACC NR: AP7003279

be taken into account if the amplifier length is shorter than or equal to the length of the driver generator, or when the amplifying section is long but the reflection coefficients are close to the threshold values. This report was presented by Academician AN BSSR B. I. Stepanov. Orig. art. has: 2 figures.

SUB CODE: 20/ SUBM DATE: 10Jun66/ ORIG REF: 003/ OTH REF: 006

Card 2/2

YEROFEYEV, B.V.; OSIPENKO, I.F.; DOROSHKEVICH, M.N.; ARAPOVA, L.D.; BIRUL CHIK, T.N.; ROZENBERG, A.Ya.; ZERNOVA, N.M.; ZVIZZHOV, V.V.; KATSEVA, N.N.

Antiblock composition for cellophane. Khim. volok. no.4:64-66 '.64 (MIRA 18:4)

1. Institut fiziko-organicheskoy khimii AN BSSR (for Yerofeyev, Osipenko, Doroshkevich, Arapova, Birul'chik). 2. Mogilevskiy zavod iskusstvennogo volokna (for Rozenberg, Zernova, Zvizzhov, Katseva).

SINEGUB-LAVRENKO, A.A.; KATSEVA, R.V.

Dyes for polyvinyl chloride films. Plast.massy no.1:37-39 '63. (MIRA 16:2)
(Vinyl polymers)
(Dyes and dyeing--Plastics)

of S. paratyphi B and S. typhimurium that originated in the course

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tained for a long time on media without antibiotics; the most resistant were also subjected to passage through bile and chick embryos.

SUBMITTED: 18Jun64 ENCL: 00

NO REF SOV: 000 OTHER: 000

Card 2/2

FEL'DMAN, A.L.; GUSAR, Z.D.; KATSEVICH, A.I.

Preparation of canned plums from the Early Siniukha variety. Kons. i ov.prom. 18 no.9:8-9 S '63. (MIRA 16:9)

1. Odesskiy tekhnologicheskiy institut pishchevoy i kholodil'noy promyshlennosti.

(Fruit, Canned)

KATSEVICH, K. A.

Serikov, S. A. ed. Tractor KhTZ-7; handbook on its mechanisms and maintenance Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry, 1953. 198p. (54-22412)

TL233.5K3

KATSEVICH, K. A.

Tractor KhTZ-7 Moskva, Gos. izd-vo sel'khoz. lit-ry, 1954. 197 p. (55-18557)

TL233.5.K3 1954

1. Tractors