EZERA, I. P.

Organization of cattle improvement on the Red October Collective Farm.

P. 12 (PADOMJU LATIJAS KOLCHOZNIEKS) Riga, Latvia Vol. 9, No. 6, June 1957

SO: Monthly Index of East European Acessions (AEEI) Vol. 6, No. 11 November 1957.

EZERA, I. P. Cand Agr Sci -- (diss) "Inheritance of milk-fat capacity in chestnut-colored Latvian ~~chestnut~~ cattle." Riga, 1967. 20 pp (Min of Agr USSR. Latvian Agr Acad), 150 copies (KL, 3-68, 98)

EZERA, J.; LUKSTINA, R.: BALODIS, A., red.

[Raising and feeding of young cattle] Jaunlopu audzesana un edinasana. Riga, Izdevnieciba "Liesma," 1965. 107 p. (MIRA 18:7)
[In Latvian]

EZERANSKAYA

POLAND / Zooparasitology - Parasitic worms G

Abs Jour: Ref Zhur - Biol., No 7, 1958, 29114

Author : Ezeranskaya, Dobrovolskaya
Inst : Not given
Title : Immunological Reactions in Echinococcosis. (Immunologicheskie reaktsii pri ekhinokok-koze)

Orig Pub: Przegl., epidemiol., 1957, 11, No 2, 139-149

Abstract: RSK [complement fixation reaction] with antigens in the form of salt extracts from fresh and dried scolexes and heads of echinococcus and cyst fluids, also with lipoidal, protein and polysaccharide fractions extracted from scolexes and heads of echinococci, were found to be non-specific.

Card 1/1

LEONOVICH, B.N.; EZERIN, A.E.

Scientific organization of work in locomotive roundhouses. Zhel. dor. transp. 47 no.6:39-45 Je '65.

(MIRA 18:6)

1. Nachal'nik lokomotivnogo depo Grebenka Yuzhnoy dorogi (for Leonovich). 2. Glavnyy inspektor Gosudarstvennogo komiteta Soveta Ministrov SSSR po voprosam truda i zarabotnoy platy (for Ezerin).

EZERIN, A.E., inzh.; REMENNIKOV, S.S., inzh.

Let us organize to switch over to the seven-hour working day.
Elek.i tepl.tiaga 4 no.1:1-3 Ja '60. (MIRA 13:4)
(Hours of labor) (Railroads)

UTKIN, Aleksey Vasil'yevich; EZERIN, Arnol'd Ernstovich; CHIZHITSKIY, Ya.G., retsenzent; YURCHENKO, I.F., inzh., red.; KOLTUNOVA, M.P., red.; KHITROV, P.A., tekhn. red.

[Wages in rolling stock operations; manual] Oplata truda v vagonnom khoziaistve; spravochnik. Pod obshchei red. I.F.IUrchenko. Moskva, Transzheldorizdat, 1962. 129 p. (MIRA 15:7)
(Wages—Railroads)

KARTSEV, Yakov Petrovich; EZERIN, Arnol'd Ernstovich; BODERSKOVA, N.N., red.; SHCHEDRINA, M.L., tekhn. red.

[Working time and the rest period of railroad transportation workers] Rabochee vremia i vremia otdykha rabotnikov zheleznodorozhnogo transporta. Moskva, Gosiurizdat, 1963. 99 p. (MIRA 16:8)

(Railroads--Employees)

STRADYN', P.I., prof. doktor., EZERIETIS, E.T.

Clinical aspects and surgical treatment of rectal cancer. Vopr. klin.lech.zlok.novoobraz., Riga 1:177-189 1953

1. Iz kliniki fakul'tetskoy khirurgii (prof. P.I. Stradyn', deystvitel'nyy chlen Akademii nauk Latviyskoy SSR), Rizhskogo meditsinskogo instituta (direktor prof. E.M. Burtniek) i Instituta eksperimental'noy medtsiny Akademii nauk Latviyskoy SSR (direktor prof. P.Ya. Gerke).

(RECTUM, neoplasms
clin. aspects & surg.)

EZERIYETIS, E. T.

EZERIYETIS, E. T. -- "Clinical Picture and Surgical Treatment of Simple and Tyrotoxic Goiter." Acad Sci Latvian SSR, Inst of Experimental Medicine, 1955 (Dissertation for the Degree of Candidate of Medical Sciences)

SO: Izvestiya Ak. Nauk Latviyskoy SSR, No. 9 Sept., 1955

EZERIYETIS, E.T. [Ezerietis, E.]

Some experimental observations in aneurysms of the left cardiac ventricle and their surgical significance. Eksper.khir. 4 no.5: 16-21 S-O '59. (MIRA 13:1)

1. Iz kliniki fakul'tetskoy khirurgii Rizhskogo meditsinskogo instituta (dir. - prof. V.A. Kalberg) i iz kafedry torakal'noy khirurgii i anesteziologii (zav. - prof. Ye.N. Meshalkin) TSentral'nogo instituta usovershenstvovaniya vrachey (dir. M.D. Kovrigina).
(MYOCARDIAL INFARCT, exper.)
(HEART DISEASES, exper.)
(ANEURYSM, exper.)

EZERIYETIS, E. T., kandidat meditsinskikh nauk

On clinical and therapeutic aspects in melanomas. Vop. klin. lech. zlok. novoobraz. 7:233-238 '61.

1. Klinika fakul'tetskoy khirurgii (zav.—dots. E. T. Ezeriyetis) Rizhskogo meditsinskogo instituta (dir.—prof. V. A. Kal'berg).

(MELANOMA)

EZERIYETIS, E. [Ezerietis, E.]

Changes of venous pressure in aneurysm of the heart and its experimental resection [with summary in German]. Vestis Latv ak no.12:75-80 '61.

EZERIYETIS, E. T.; UTKIN, V. V.

Data on the surgical treatment of diaphragmatic hernias. Grud. khir. no.2:55-60 '62. (MIRA 15:4)

1. Iz kliniki fakul'tetskoy khirurgii (zav. - dotsent E. T. Ezeriyetis) Rizhskogo meditsinskogo instituta (dir. - prof. V. A. Kal'berg) i iz Instituta eksperimental'noy meditsiny (dir. - prof. P. Ya. Gerke) AN Latviyskoy SSR.

(DIAPHRAGM--HERNIA)

EZERIYETIS, E. [Ezerietis, E.]; IOFFE, M.

Electrocardiographic changes during the induction of experimental aneurysms of the heart and its resection. Izv. AN Latv. SSR no.5:109-118 '62. (MIRA 16:7)
(Aneurysms) (Electrocardiography)

STRADYN', P.I.[Stradins, Pauls],akademik[deceased];GERKE,P.,akad.,red.; RUDZIT, K.K.[Rudzits, K.], prof., red.; BRAMBERGA, V., kand. med. nauk, red.; EZERIYETIS, E.T.[Ezerietis,E.], doktor med. nauk, red.; UTKIN, V.V., kand. med. nauk, red.; STRADYN', Ya.P.[Stradins, J.], kand. khim. nauk, red.;

[Selected works] Izbrannye trudy. Riga, Izd-vo AN Latviiskoi SSR. Vol.1.[Lesions of the peripheral nerves and trophic ulcers] Povrezhdeniia perifericheskikh nervov i troficheskie iazvy. 1963. 368 p. (MIRA 17:2)

1. Akademiya nauk Latviyskoy SSR (for Gerke). 2. Deystvitel'nyy chlen AN Latviyskoy SSR (for Stradyn').

EZERMAN, A.

33245. Kazein Vysshego Sorta. Moloch. Prom-st', 1949, No. 10, c. 42-

SO: Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

SUEV, I.; EZHDIK, Ig.; KELEBEKOV, D.

On combined trauma in the Rodopi mining area. Khirurgiia 15 no.9/10:861-867 '62.

(MINING) (ACCIDENTS INDUSTRIAL)

[redacted], I., SUVV, Iv.; VELEGANOV, S., [redacted], I.

Some features of the wound healing process among workers in a lead-zinc mine. (Preliminary report). Khirurgiia 17 no.2: 145-147 '64.

L 10659-63
EWT(m)/BDS--AB

ACCESSION NR: AP3001210 S/0078/63/008/006/1307/1313

AUTHOR: Devyatykh, G. G.; Ezheleva, A. Ye.; Zorin, A. D.; Zuyeva, M. V.

TITLE: Solubility of volatile hydrides of group III-VI elements in certain solvents

SOURCE: Zhurnal neorganicheskoy khimii, v. 8, no. 6, 1863, 1307-1313

TOPIC TAGS: solubility, hydrides, group III-VI elements, gas-liquid partition chromatography, separating mixtures, extractive rectification, distribution coefficient, B; C, Si, Ge, Sn, P, As, Sb, S, Se

ABSTRACT: Gas-liquid partition chromatography was used to determine the solubility of B, C, Si, Ge, Sn, P, As, Sb, S and Se hydrides in a variety of solvents. Since some of the solvents are selective in regard to the series of hydrides, this affords a method for separating mixtures of these volatile hydrides by extractive rectification. Work was done to determine dependence of the distribution coefficient of the hydrides and their molecular weight, element-hydrogen bond length, boiling and critical temperatures. Orig. art. has: 1 figure, 9 tables, 4 equations.

Card 1/2

L 10659-63
ACCESSION NR: AP3001210 0

ASSOCIATION: none

SUBMITTED: 10Oct62 DATE ACQD: 01Jul63 ENCL: 00

SUB CODE: 00 NO REF SOV: 005 OTHER: 030

kes
Card 2/2

EZHIKOV, V. V.

VENIKOV, Valentin Andreyevich; EZHIKOV, V.V., red.; LARIONOV, G.Ye., tekhn. red.

[Electromechanical transient processes in electric systems] Elektromekhanicheskie perekhodnye protsessy v elektricheskikh sistemakh. Moskva, Gos. energ. izd-vo, 1958. 488 p. (MIRA 11:7)
(Electric engineering)

EZHKOV, Boris, inzh.

Simultaneous boiling and dyeing of the rayon-cotton blended fabrics. Tekstilna prom 11 no.1:36-37 '62.

1. Durzhavno industrialno predpriiatie "Malchika," Sofia.

CZECHOSLOVAKIA/Organic Chemistry. Synthetic Organic Chemistry. G

Abs Jour: Ref Zhur-Khimiya, No 21, 1958, 70813.

Author : Dubravkova, Ezho, Shefchovich, Votitsky.
Inst :
Title : The Claisen Rearrangement in m-Allyl Hydroxy Toluene.

Orig Pub: Chem. Zvesti, 1958, 12, No 1, 24-28.

Abstract: 2-Allyl-3-methyl (II) - , 2-allyl-5-methyl (III) and 4-allyl-3-methyl (IV)-phenols are formed from a modified Claisen rearrangement (CR) of 3-CH_2=$CHCH_2O.C_6H_4CH_3$ (1). The structure of II, II and IV are confirmed by:

a) a chromatographic separation on paper,

Card : 1/3

EZDMOV, S.

New design for flow dampers in the tail water of multi-span structures. Izv. AN Turk. SSR. Ser. fiz.-tekh., khim i geol. nauk no.3:121-123 '64 (MIRA 18:1)

1. Turkmenskiy institut vodnykh problem i gidrotekhniki.

EZLIKH, L.B.

PRINT I BOOK EXPLOITATION SOV/6025

Soveshchaniye po ustalosti metallov. 2nd., Moscow, 1960.

Tsiklicheskaya prochnost' metallov; materialy vtorogo soveshchaniya po ustalosti metallov, 24 - 27 may 1960 g. (Cyclic Metal Strength; Materials of the Second Conference on the Fatigue of Metals, held May 24 - 27, 1960) Moscow, Izd-vo AN SSSR, 1962. 338 p. Errata slip inserted. 2500 copies printed.

Resp. Ed.: I. A. Oding, Corresponding Member of the Academy of Sciences of the USSR; Ed. of Publishing House: A. N. Chernov; Tech. Ed.: A. P. Guseva.

PURPOSE: This collection of articles is intended for scientific research workers and metallurgists.

COVERAGE: The collection contains papers presented and discussed at the second conference on fatigue of metals, which was held at the Institute of Metallurgy in May 1960. These papers deal with the nature of fatigue fracture, the mechanism of fracturation

Card 1/0

and growth of fatigue cracks, the role of plastic deformation in fatigue fracture, an accelerated method of determining fatigue strength, the plotting of fatigue diagrams, and various fatigue test methods. New data are presented on the sensitivity of high-strength steel to stress concentration, the effect of stress concentration on the criterion of fatigue failure, the effect of the size factor on the strength of metal under cyclic loads, and results of endurance tests of various machine parts. Problems connected with cyclic metal toughness, internal friction, and the effect of corrosion media and temperature on the fatigue strength of metals are also discussed. No personalities are mentioned. Each article is accompanied by references, mostly Soviet.

TABLE OF CONTENTS:

NATURE OF FATIGUE FRACTURE

EZR, K. Czech CA: 47:11030

Tesla-Elektronik, Prague

"Electron-tube polarograph."

Sborník Mexinárod. Polarog. Sjezdu Praze, 1st Congr. 1951, Pt. III, Proc., 760-3 (in Czech), 763-6 (in Russian), 767-70 (in German).

EZR, K.

24(2,4) PHASE I BOOK EXPLOITATION CZECH/2433

International Polarographic Congress. 1st, Prague, 1951

Sbornik I. Mezinarodniho polarografickeho sjezdu. Dil 3: Hlavni referaty predneseny na sjezdu. Vol 3: Reviews Read at the Congress. Proceedings...Vol 3: Reviews Praha, Prirodovedecke vyd-vi [1952]
774 p. 2,000 copies printed.

Resp. Ed.: Jiří Kouřil, Doctor; Chief Ed. of Publishing House: Milan Skalník, Doctor; Tech. Ed.: Oldřich Dunka.

PURPOSE: The book is intended for chemists, chemical engineers, and physicists.

COVERAGE: The book is a collection of reviews and original papers read at the International Polarographic Congress held in Prague in 1951. Uses of polarography in organic and inorganic analysis, biochemistry, medicine, and industrial chemistry are discussed. In the section, Reviews Read at the Congress, Russian and either German or English translations of each review are presented. In the section, Original Papers Read at the Congress, only those translations in Russian, German, and English which have not been published in Volume I are presented. The following scientists participated in the opening of the Congress: Professor Viktor Kemula, Dean of the Faculty of Sciences, Warsaw; Doctor Jaromír Dolanský, Minister of Planning; Professor Jaroslav Horovský, Chairman of the Congress; and Professor Jaroslav Fukáto, Chairman of the Center for Scientific Research and Technical Development. References follow each paper.

Card 13/14

EZR, V.

"Sound recording on noninflammable 16 mm. film." p. 90.

TECHNICKA PRACA. (Rada vedeckych technickych spolocnosti pri Slovenskej akademii vied). Bratislava, Czechoslovakia, Vol. 7, No. 2, 1955.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8, August 1959.
Uncla.

EZR, V.

Sound recording on a 16 mm., noninflamable film with a heated needle. p. 419

TECHNICKA PRACA. Bratislava, Czechoslovakia, Vol. 7, No. 9, Sept. 1955

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959
Uncl.

EZRIN, Grigoriy Semenovich, inzhener; BUDNITSKIY, Abram Arkad'yevich, inzhener; STEPANOV, A.D., kandidat tekhnicheskikh nauk, redaktor; BOHROVA, Ye.N., tekhnicheskiy redaktor.

[Electric system of the TE3 locomotive] Elektricheskaia skhema teplovoza TE3. Moskva, Gos.transp.zhel-dor.izd-vo, 1957. 62 p. (MLRA 10:6)

(Diesel locomotives)

EZRIN, G.S., inzhener.; BUDNITSKIY, A.A., inzhener.

Calculating electrical starting of diesel locomotive engines.
Vest. elektroprom. 28 no.1:32-35 Ja '57. (MLRA 10:4)

1. Khar'kovskiy elektroturbinnyy zavod Ministerstva elektrotekhnicheskoy promyshlennosti.
(Diesel locomotives)

STEPANOV, Aleksandr Dmitriyevich; EZRIN, Grigoriy Semanovich; VERKHOGLYAD, Vasiliy Yefremovich; KUZNETSOV, Boris Georgiyevich; TRAKHTMAN, L.M., kand.tekhn.nauk, retsenzent; KAMENETSKIY, B.G., kand.tekhn. nauk, red.; NIKITIN, A.G., red.izd-va; MODEL', B.I., tekhn.red.

[Electric drive of diesel locomotives] Elektricheskaia peredacha teplovozov. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1959. 292 p. (MIRA 12:8)
(Diesel locomotives) (Electric driving)

EZRIN, G.S.

PHASE I BOOK EXPLOITATION SOV/5518

Gakkel', Yekaterina Yakovlevna, Doctor of Technical Sciences, Vladimir Arsen'yevich Kozhevnikov, Engineer, Boris Georgiyevich Kuznetsov, Engineer, Andrey Vladimirovich Lapin, Candidate of Technical Sciences, Mikhail Andreyevich Nikulin, Candidate of Technical Sciences, and Grigoriy Semenovich Ezrin, Engineer.

Elektricheskiye mashiny i elektrooborudovaniye teplovozov (Electric Machines and the Electrical Equipment of Diesel-Electric Locomotives) Moscow, Transzheldorizdat, 1960. 218 p. 10,000 copies printed.

Ed. (Title page): Ye. Ya. Gakkel'; Ed.: N. M. Khutoryanskiy, Candidate of Technical Sciences; Tech. Ed.: Ye. N. Bobrova.

PURPOSE: This textbook was approved in 1958 by GUUZ (Glavnoye upravleniye uchebnymi zavedeniyami - Main Administration of Schools) of the Ministry of Railroads, for use by students in institutes of railroad transportation.

COVERAGE: The book examines the purpose, arrangement, and operation of the elements of electrical transmission in Diesel-electric (D-E)

Card 1/8

locomotives, and in auxiliary machinery and apparatus. Information on the structure of electrical machines and apparatus and examples of their design are given. The circuits of modern Soviet D-E locomotives including the new TE10 and TE50 locomotives, are described. The circuit of the TE-3 lot-produced D-E locomotive is examined in detail. Primary materials included in the book come from the texts of courses given by teachers of the Leningradskiy institut inzhenerov zheleznodorozhnogo transporta (Leningrad Institute of Railroad Transportation Engineers), and from the Khar'kovskiy zavod "Elektrotyazhmash" (Khar'kov Heavy Electrical Machinery Plant). Chs.I and VII were written by Ye. Ya. Gakkel'; Ch.II by M. A. Nikulin and Ye. Ya. Gakkel'; Ch.III by A. V. Lapin; Ch.IV by G. S. Ezrin (sec. 7 by V. V. Strekopytov, Engineer); Ch.V by B. G. Kuznetsov (secs. 9 and 10 by Ye. Ya. Gakkel'); and Ch.VI by V. A. Kozhevnikov. The authors thank A. Ye. Alekseyev, Corresponding Member, AS USSR, K. I. Rudaya, Candidate of Technical Sciences, and A. D. Stepanov, Doctor of Technical Sciences, for their advice, and Ye. F. Kholmovskaya and I. F. Pushkarev, Engineers, and A. N. Korotkova, Laboratory Assistant, who helped with the manuscript. There are 29 references, all Soviet.

EZRIN, Grigoriy Semenovich, inzh.; BUDNITSKIY, Abram Arkad'yevich, inzh.; KAMENETSKIY, B.G., kand. tekhn. nauk, red.; VOROB'YEVA, L.V., tekhn. red.

[Electric circuit of the TE3 diesel locomotive] Elektricheskaia skhema teplovoza TE3. Izd.2. Moskva, Transzheldorizdat, 1962. 57 p. (MIRA 15:6)

(Diesel locomotives)

EZRIN, I. M.

Calculation of basic resources of industrial enterprises. Moskva, Gosfinizdat, 1946.
28 p. (Vsesoiuznyi zaochnyi finansovoekonomicheskii institut. Izd. no. 329)
(54-24854)

HF5653.E96

EZRINA, I. V.

USSR/Electricity - Insulation Jun 53
Generators

"Testing Wetted Stator Insulation of a Heavy-Duty Generator," V.B. Kulakovskiy, Cand Tech Sci; Engr I.V. Ezrina, Moscow

Elektrichestvo, No 6, pp 60-61

Discusses results of tests by Central Sci Res Elec Eng Lab of Min Elec Power Stas and Elec Industry on insulation of 27,500-kva, 6.6-kv generator, manufd by non-Soviet firm. States stator insulation stood up under well over rated voltage without preliminary drying. Submitted 13 Mar 53. (Editor in Note following article warns authors' conclusion that preliminary drying is unnecessary should not be taken as a general principle.)

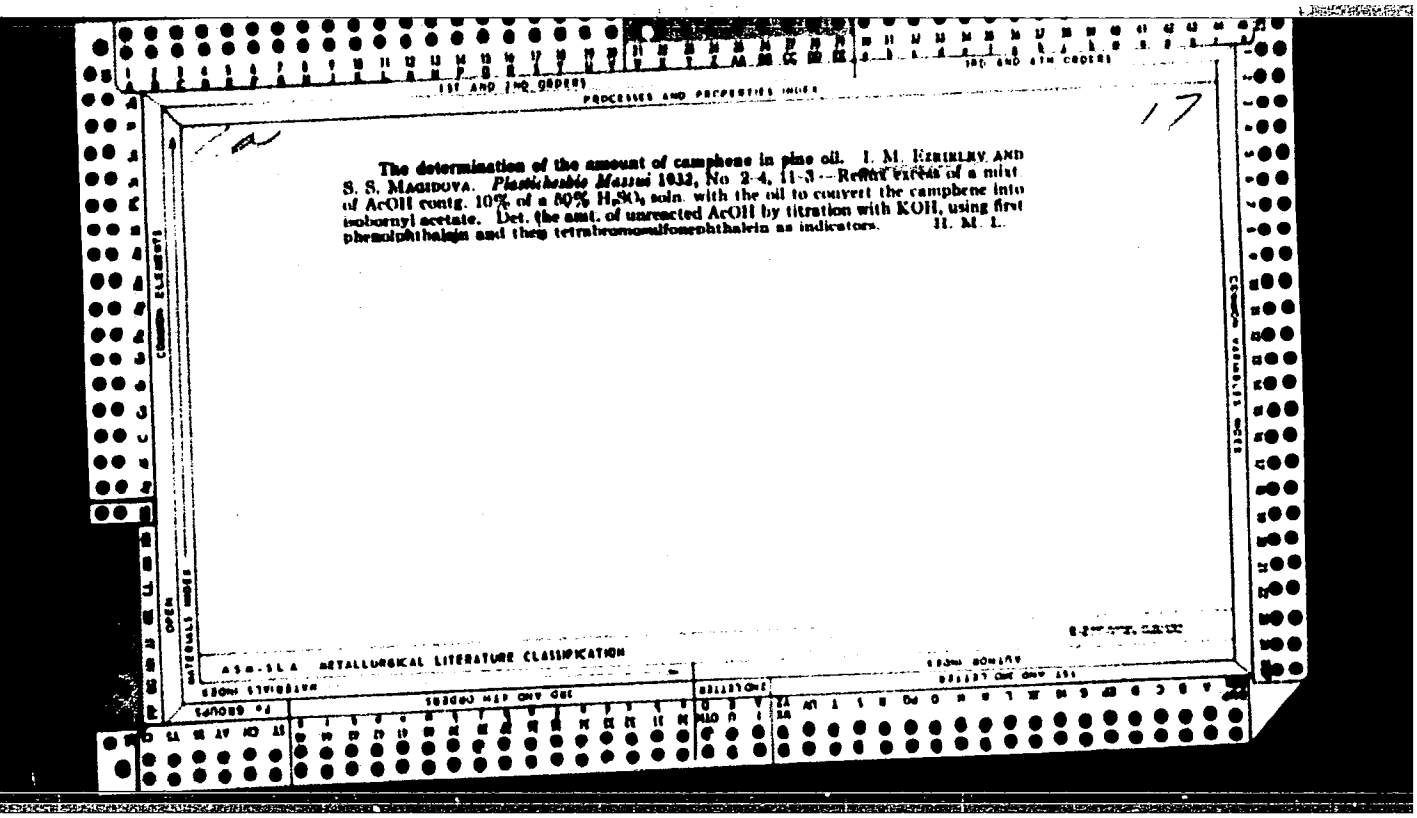
268T55

268T55

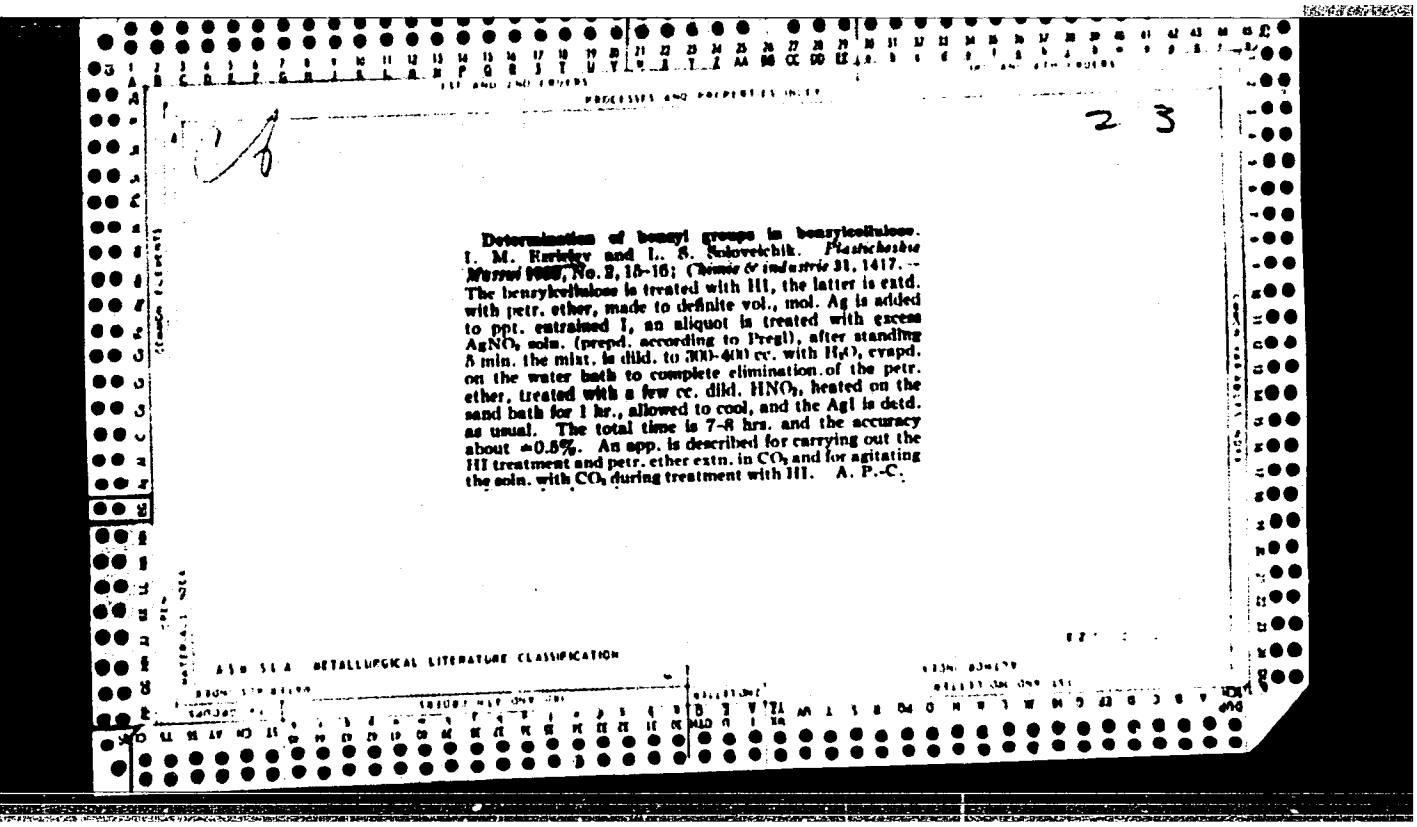
KARTASHKIN, B.A., inzh.; KULAKOVSKIY, V.B., kand.tekhn.nauk; EZRINA, I.V., inzh.

Methods for mechanical tests of insulation in electric machines. Vest.elektroprom. 31 no.2:33-37 F '60. (MIRA 13:6)

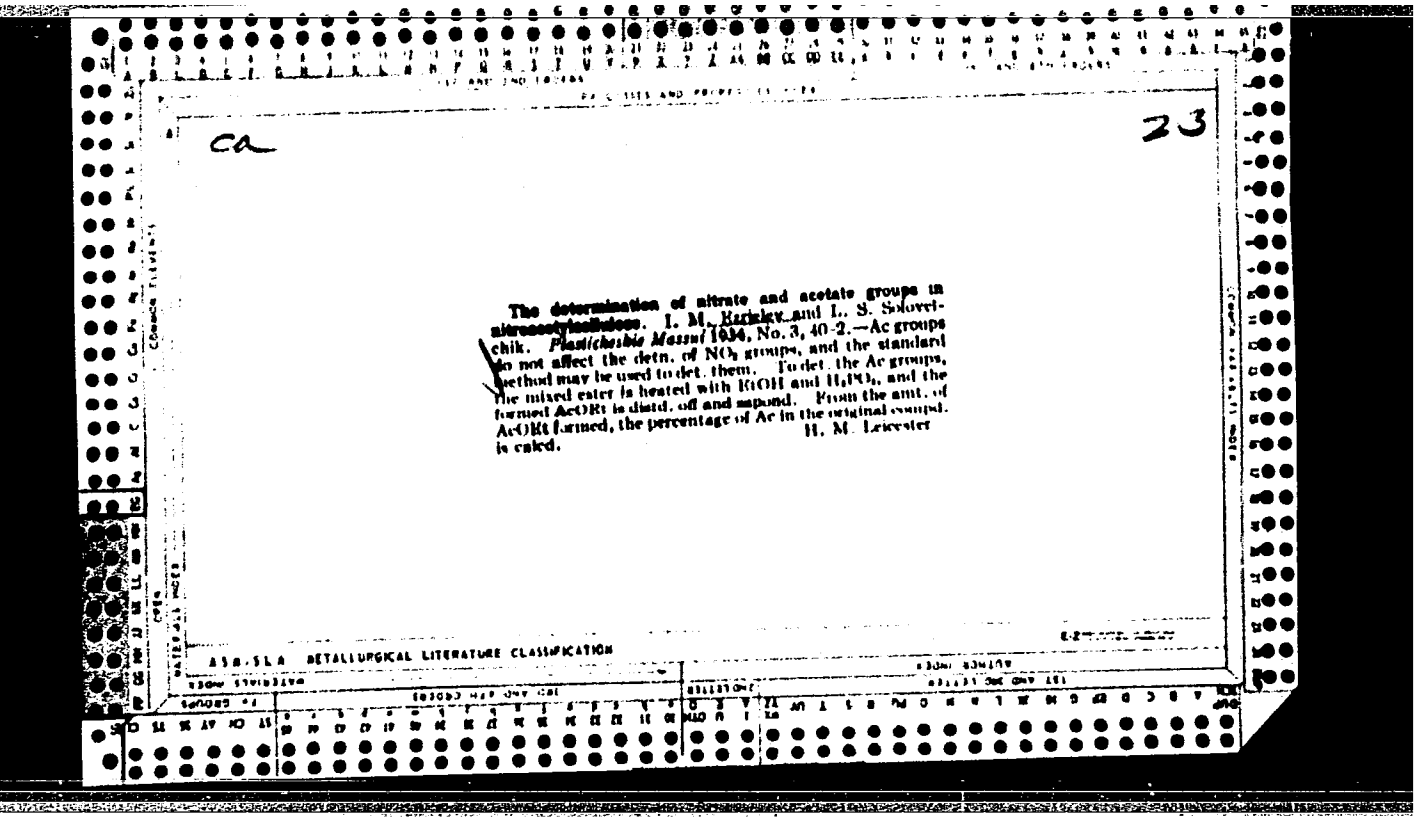
(Electric machinery)
(Electric insulators and insulation—Testing)



The determination of the amount of camphene in pine oil. I. M. Ezhirlev and S. S. Magidova. *Plasticheskie Massui* 1932, No 2-4, 11-3.—Refer vapors of a mixt. of AcOH contg. 10% of a 50% H_2SO_4 soln. with the oil to convert the camphene into isobornyl acetate. Det. the amt. of unreacted AcOH by titration with KOH, using first phenolphthalein and then tetrabromosulfonephthalein as indicators. H. M. L.



Determination of benzyl groups in benzylcellulose. I. M. Kuritsyn and L. S. Selovetchik. *Plasticheskie Massy* 1955, No. 2, 15–16; (*Chimie & industrie* 31, 1417.—The benzylcellulose is treated with HI, the latter is extd. with petr. ether, made to definite vol., mol. Ag is added to ppt. entrained I, an aliquot is treated with excess $AgNO_3$ soln. (prepd. according to Pregl), after standing 5 min. the mixt. is dild. to 300–400 cc. with H_2O, evapd. on the water bath to complete elimination of the petr. ether, treated with a few cc. dild. HNO_3, heated on the sand bath for 1 hr., allowed to cool, and the AgI is detd. as usual. The total time is 7–8 hrs. and the accuracy about ±0.5%. An app. is described for carrying out the HI treatment and petr. ether extn. in CO_2 and for agitating the soln. with CO_2 during treatment with HI. A. P.-C.

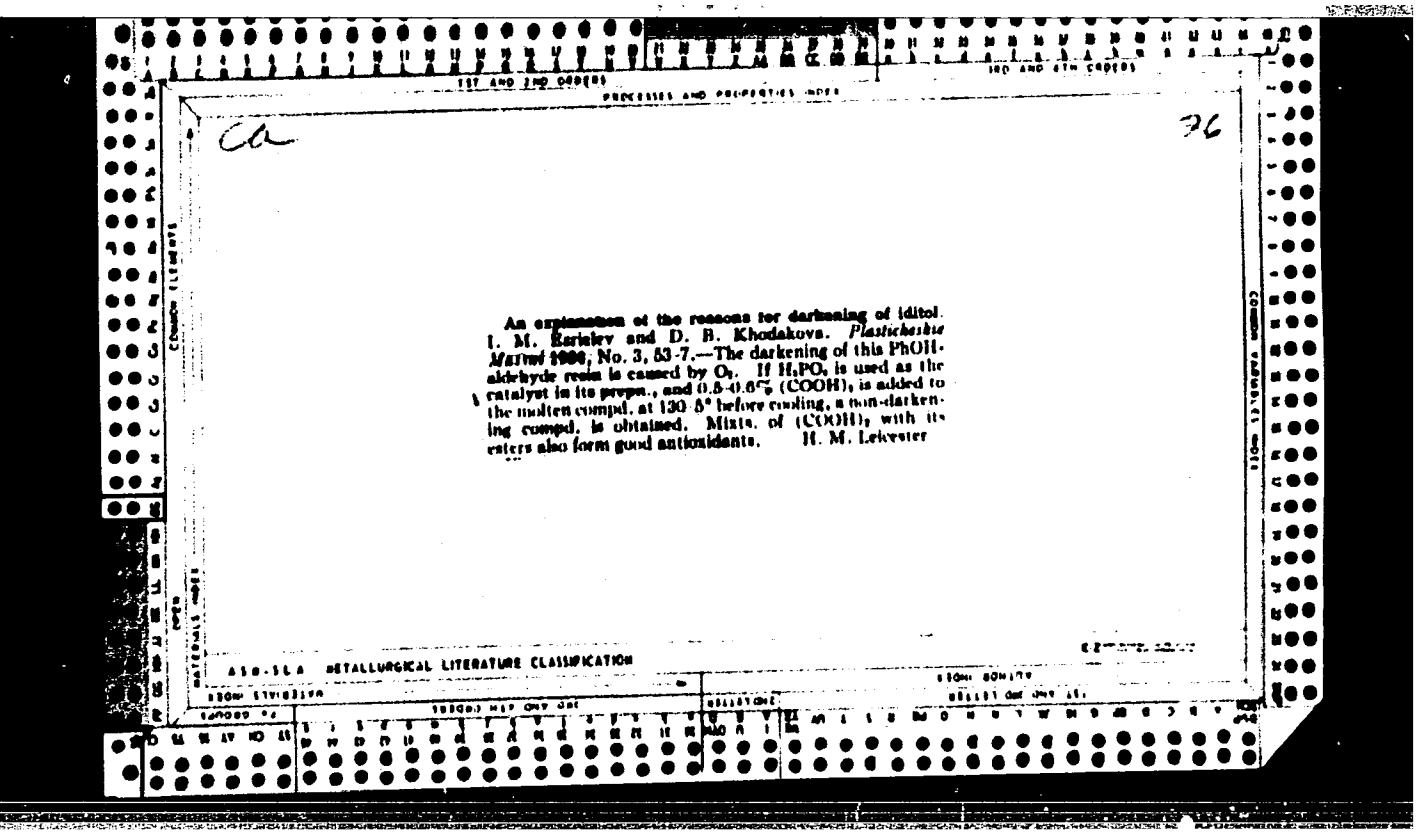


CA

23

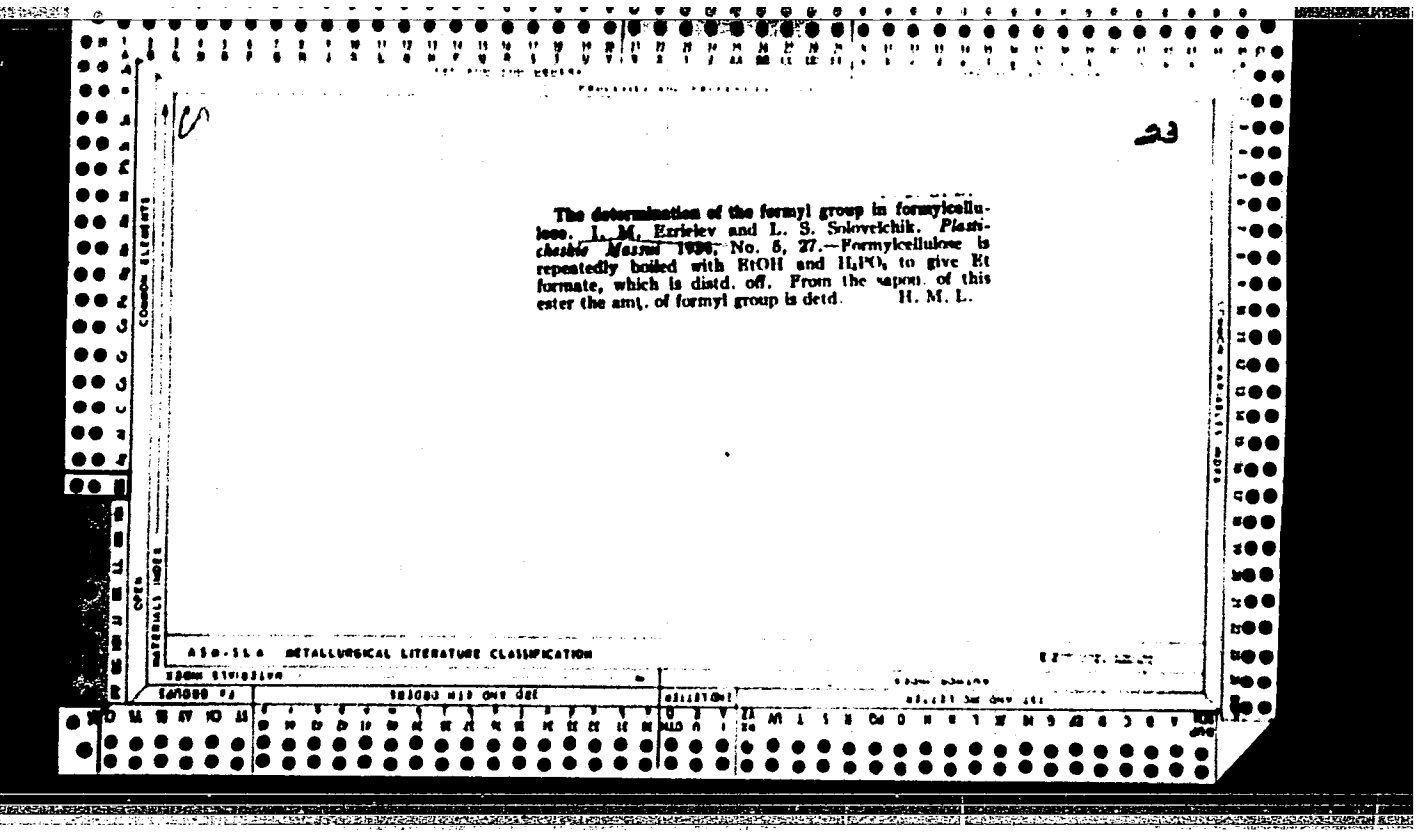
The determination of nitrate and acetate groups in nitrocellulose. I. M. Rutskiy and L. S. Shoverchik. *Plasticheskie Massy* 1934, No. 3, 40-2.—Ac groups do not affect the detn. of NO_3 groups, and the standard method may be used to det. them. To det. the Ac groups, the mixed ester is heated with KOH and H_3PO_4, and the formed AcOH is distd. off and sapond. From the amt. of AcOH formed, the percentage of Ac in the original compd. is calcd.

H. M. Leicester

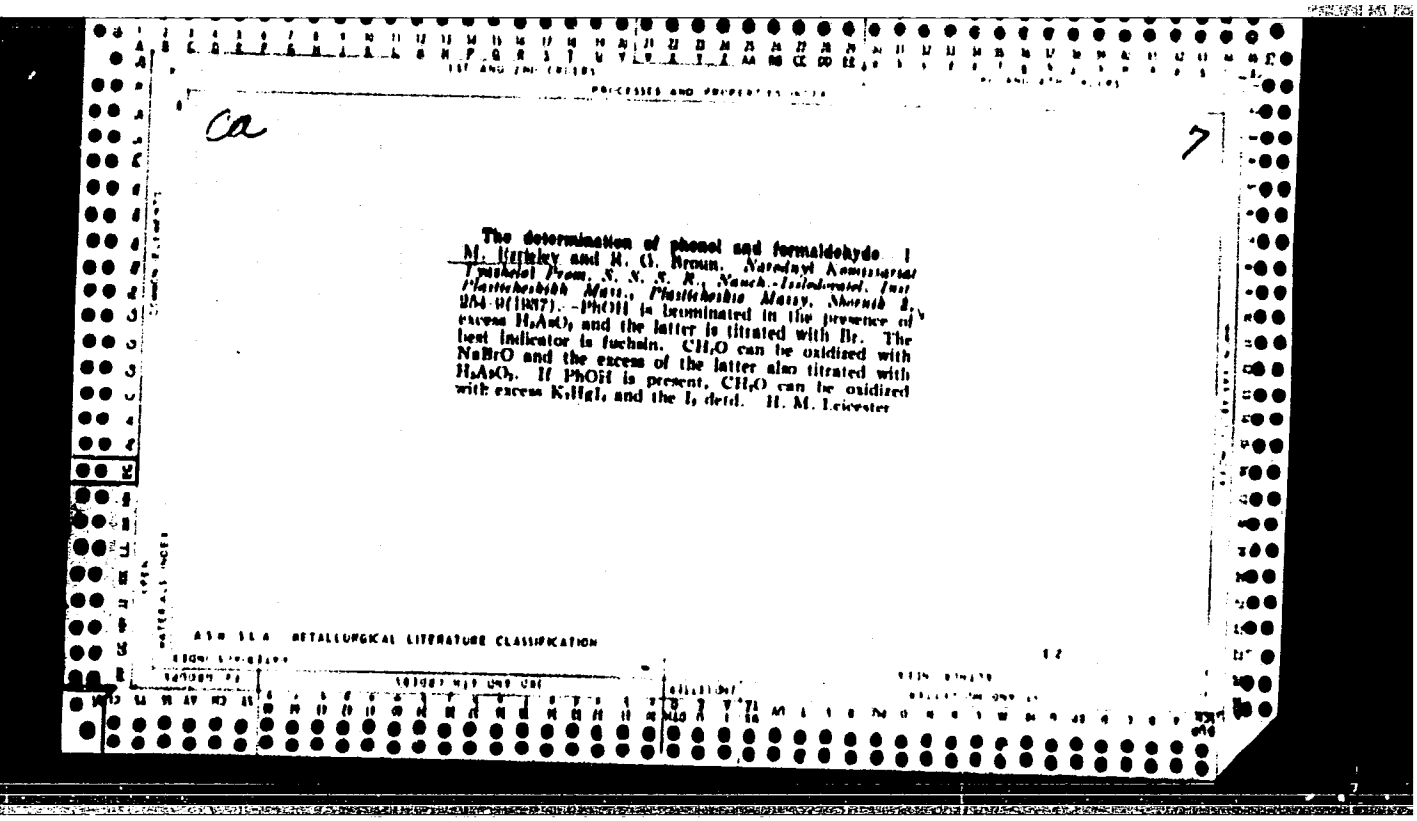


An explanation of the reasons for darkening of iditol. I. M. Kariakv and D. B. Khodakova. *Plasticheskie Massy* 1956, No. 3, 53-7.—The darkening of this PhOH-aldehyde resin is caused by O_2. If H_3PO_4 is used as the catalyst in its prepn., and 0.5-0.6% (COOH)$_2$ is added to the molten compd. at 130-5° before cooling, a non-darkening compd. is obtained. Mixts. of (COOH)$_2$ with its esters also form good antioxidants. H. M. Leicester

A50-5L4 METALLURGICAL LITERATURE CLASSIFICATION



The determination of the formyl group in formylcellulose. L. M. Ezrielev and L. S. Solovetchik. *Plasticheskie Massui* 1936, No. 6, 27.—Formylcellulose is repeatedly boiled with EtOH and H_2O, to give Et formate, which is distd. off. From the saponn. of this ester the amt. of formyl group is detd. H. M. L.

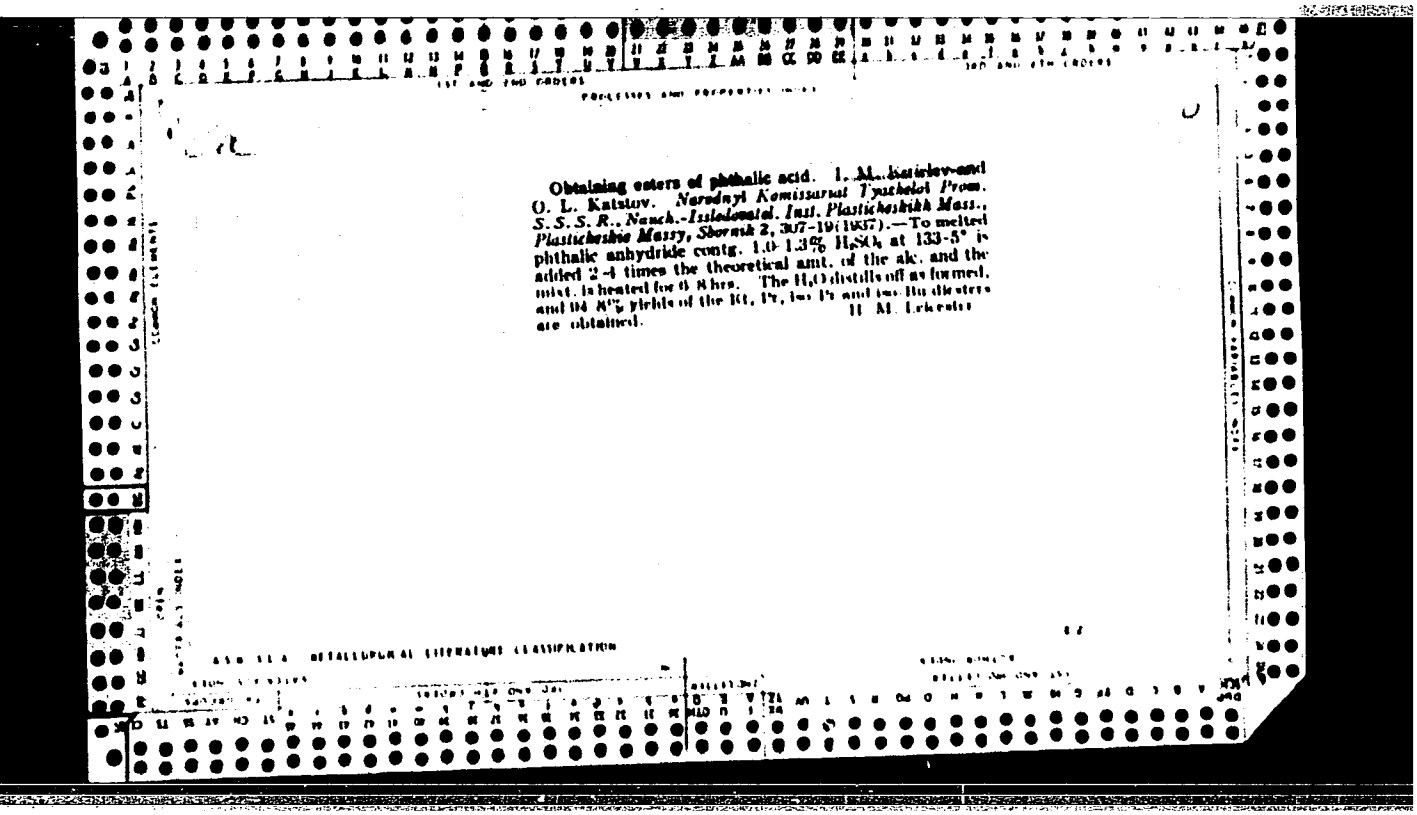


Ca

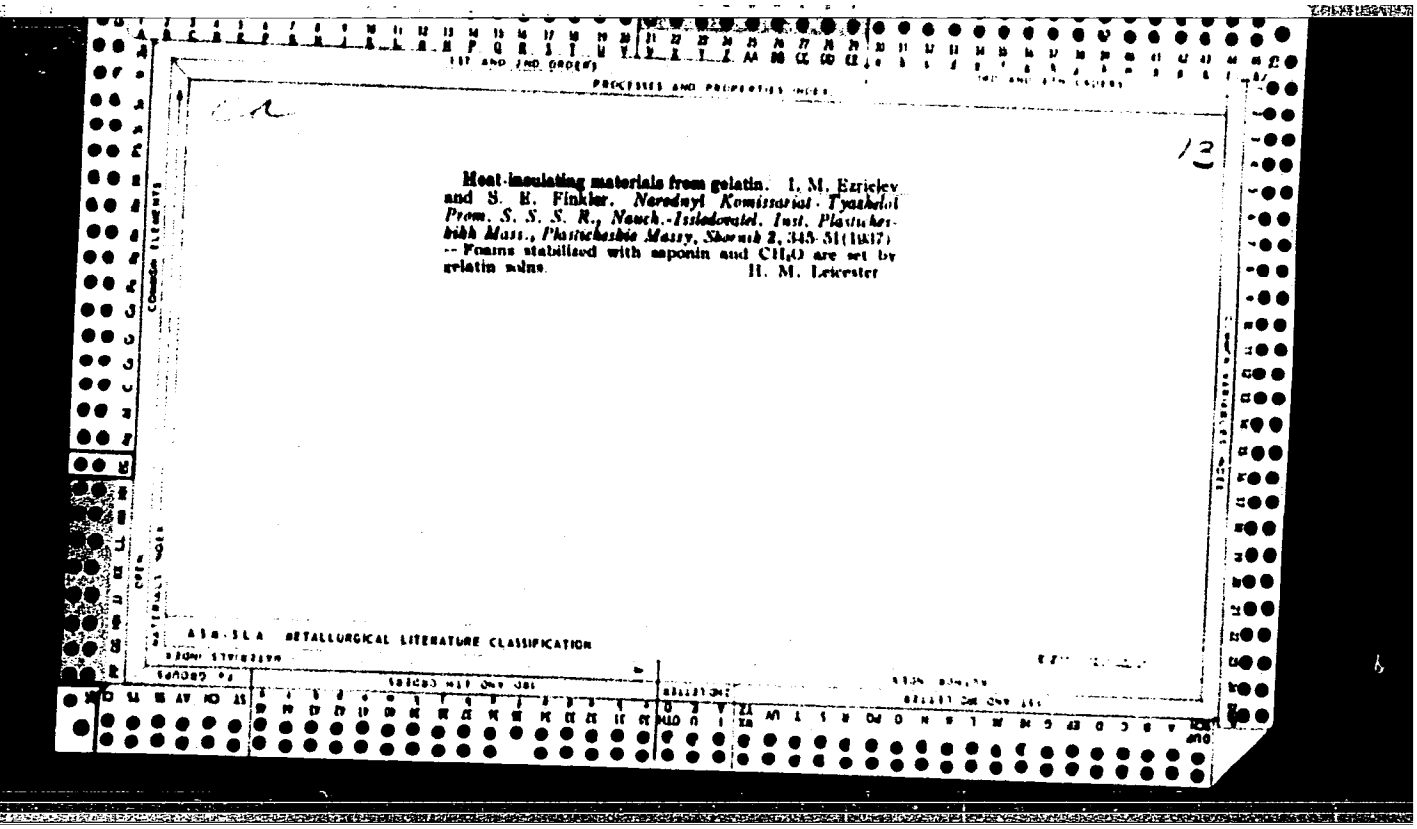
7

The determination of phenol and formaldehyde. I M. Ilinskiy and N. G. Braun. *Naradnyi Komissariat Tyazhelot Prom. S. S. S. R., Nauch.-Issledovatel. Inst. Plastitcheskikh Mass., Plastitcheskie Massy, Sbornik* 1, 284-9 (1937). —PhOH is terminated in the presence of excess H_3AsO_3 and the latter is titrated with Br. The test indicator is fuchsin. CH_2O can be oxidized with NaBrO and the excess of the latter also titrated with H_3AsO_3. If PhOH is present, CH_2O can be oxidized with excess KIIgI, and the I_2 detd. H. M. Leicester

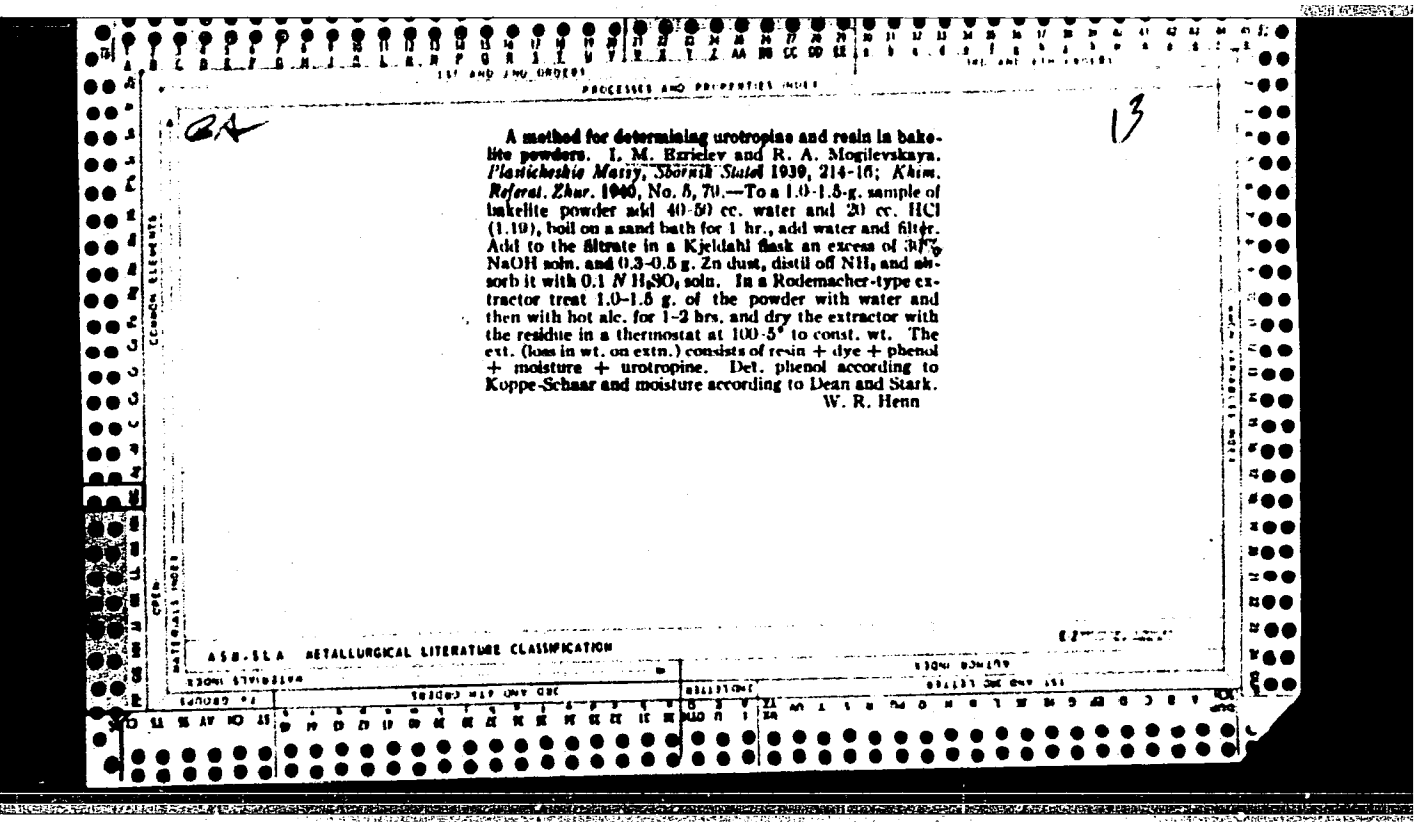
ASM SLA METALLURGICAL LITERATURE CLASSIFICATION



Obtaining esters of phthalic acid. I. M. Kutsiev and O. L. Katsuv. *Narodnyi Komissariat Tyazhelol Prom. S. S. S. R., Nauch.-Issledovatel. Inst. Plasticheskikh Mass., Plasticheskie Massy, Sbornik* 2, 307-19(1937).—To melted phthalic anhydride contg. 1.0-1.3% H_2SO_4 at 133-5° is added 2-4 times the theoretical amt. of the alc. and the mixt. is heated for 6-8 hrs. The H_2O distills off as formed, and 94-8% yields of the Et, Pr, iso-Pr and iso-Bu diesters are obtained. H. M. Leicester

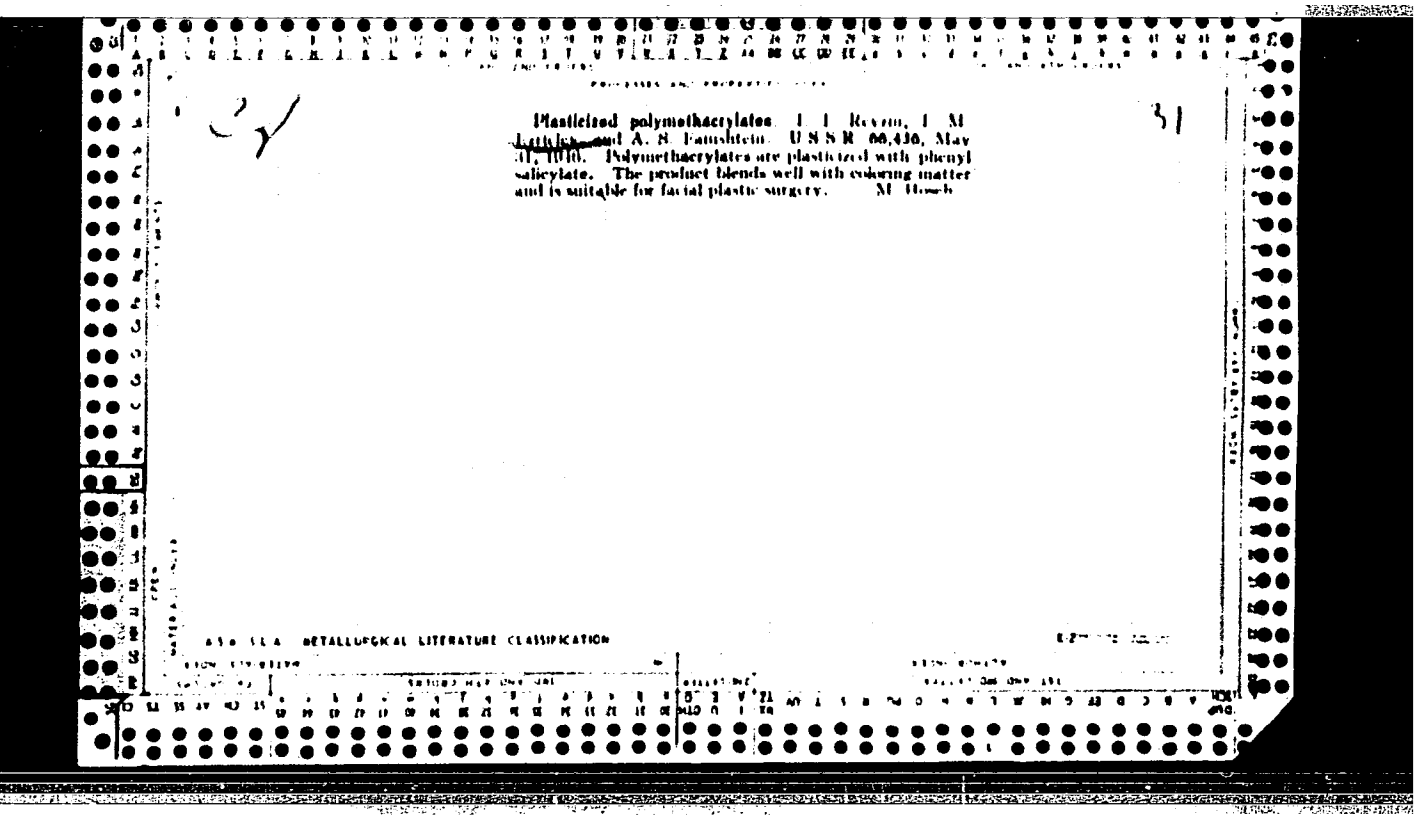


Heat-insulating materials from gelatin. I. M. Ezrickev and S. E. Finkler. *Narodnyi Komissariat. Tyazhelot Prom. S. S. S. R., Nauch.-Issledovatel. Inst. Plastichestikh Mass., Plastichestkie Massy, Sbornik* **2**, 345-51(1937) -- Foams stabilized with saponin and $C_{11}H_{20}O$ are set by gelatin salts. H. M. Leicester



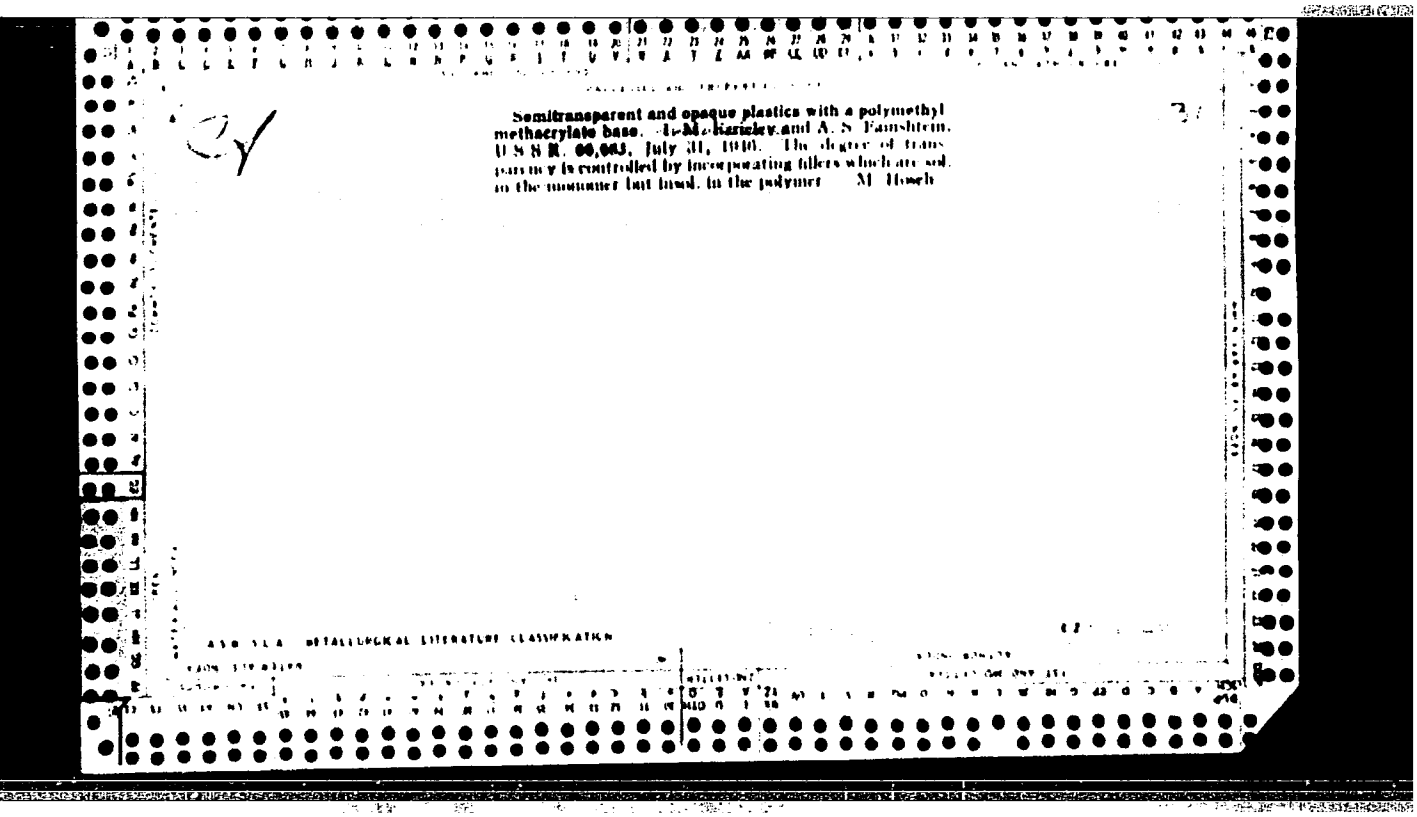
A method for determining urotropine and resin in bakelite powders. I. M. Brrielev and R. A. Mogilevskaya. *Plasticheskie Massy, Sbornik Statei* 1939, 214-16; *Khim. Referat. Zhur.* 1940, No. 5, 70.—To a 1.0-1.5-g. sample of bakelite powder add 40-50 cc. water and 20 cc. HCl (1.19), boil on a sand bath for 1 hr., add water and filter. Add to the filtrate in a Kjeldahl flask an excess of 30% NaOH soln. and 0.3-0.5 g. Zn dust, distil off NH_3 and absorb it with 0.1 *N* H_2SO_4 soln. In a Rodemacher-type extractor treat 1.0-1.5 g. of the powder with water and then with hot alc. for 1-2 hrs. and dry the extractor with the residue in a thermostat at 100-5° to const. wt. The ext. (loss in wt. on extn.) consists of resin + dye + phenol + moisture + urotropine. Det. phenol according to Koppe-Schaar and moisture according to Dean and Stark.

W. R. Henn



Plasticized polymethacrylates. I. I. Revzin, I. M. [illegible] and A. S. Famshtein. U.S.S.R. 66,436, May 31, 1946. Polymethacrylates are plasticized with phenyl salicylate. The product blends well with coloring matter and is suitable for facial plastic surgery. M. Hirsch

A.S.T.M. METALLURGICAL LITERATURE CLASSIFICATION



Semitransparent and opaque plastics with a polymethyl methacrylate base. [illegible] and A. S. Famshtein. USSR 60,043, July 31, 1940. The degree of transparency is controlled by incorporating fillers which are added in the monomer but fused in the polymer. M. Hosch

EZRIYELIEV, I. N.

USSR/Medicine, Plastic Surgery May/Jun 52

"Changes in the Physical and Chemical Properties of Certain Plastic Masses Implanted into Animal Tissues," M.V. Shelyakhovskyy, I.M. Ezriyeliev, Clinic of Hosp Surg, Mil Med Acad imeni S.M. Kirov, and NIIP (Leningrad Sci Res Inst of Plastics)

"Vest Khirurgii" Vol 72, No 3, pp 64-67

Describes research on finding suitable plastic materials for implantation into tissues of animals. After enumeration of various adverse effects of most plastics on animal and human organisms (chem reaction following the irritation of surrounding tissues, deterioration and diffusion of the plastic mass,etc.) the authors advise the use of polyethylene and plastic No 636 [comgn not given] as cheap and efficient agents in alloplastic surgery for grafting of defects in soft tissues.

227T24

227T24

EZROKHI, I. A.

"General Forms of Linear Operations in Space with a Calculated Basis," Dokl. AN SSSR, 59, No.9, 1948

Szrohl, I. A. On the linear dimension. Doklady Akad. Nauk SSSR (N.S.) 62, 35–38 (1948). (Russian)

Banach and Mazur [Studia Math. 4, 100–112 (1933)] gave an example of two nonisomorphic Banach spaces of equal linear dimension [Banach, Théorie des Opérations Linéaires, Warsaw, 1932, p. 193]. This note gives an example of a space of the same linear dimension as, but not isometric to, its second conjugate. For $p>1$ let $T^p(Y)$ be the l_p product [Banach, p. 243] of the spaces Y, $Y^{(1)}$, ..., $Y^{(n)}$, ..., where $Y^{(1)}$ is the conjugate of Y and $Y^{(n+1)}=(Y^{(n)})^{(1)}$. Then [Day, Bull. Amer. Math. Soc. 47, 313–317 (1941); these Rev. 2, 221] for $p^{-1}+q^{-1}=1$, $[T^p(Y)]^{(1)}=T^q(Y^{(1)})$. Hence $[T^p(Y)]^{(2)}=T^p(Y^{(2)})$ is of the same linear dimension as $T^p(Y)$ for every Y. That $T^p(L)$ is not isomorphic to $T^q(L^{(2)})$, where L is the space of summable functions on $(0, 1)$, follows from the fact that L is not isomorphic to a conjugate space [Gel'fand, Mat. Sbornik N.S. 4(46), 235–284 (1938)], and two facts from the author's thesis. The first characterizes Y as isomorphic to a conjugate space if and only if Y is boundedly weakly complete with respect to a total linear subset of $Y^{(1)}$. From this it follows that if $T^p(Y)$ is isomorphic to a conjugate space, so is Y.

M. M. Day.

Source: Mathematical Reviews, Vol 10 No. 4

EZROKHI, I. A.

Ezrokhi, I. A. - "Certain types of linear correspondences of Banach spaces," Uchen. zapiski (Leningr. gos. un-t im. Zhdanova), Seriya mater. nauk, Issue 16, 1949, p. 54-119, - Bibliog: 21 items

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

EZROKHI, I.A.

Certain types of linear correspondences of Banach's spaces. Uch. zap. LGU no.111:54-119 '49. (MLRA 10:8)
(Spaces, Generalized)

1. EZROKHI, I.A.; EZROKHI, T.G.

2. USSR (600)

4. Mathematics- Study and Teaching

7. Presentation of linear differential equations in higher technical schools, I.A. Ezrokhi, T.G. Ezrokhi, Usp.mat.nauk 8 no. 2, 1953.

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

EZROKHI, I. A.

Call Nr: AF 1108825

Transactions of the Third All-union Mathematical Congress (Cont.) Moscow, Jun-Jul '56, Trudy '56, V.1, Sect. Epts., Izdatel'stvo AN SSSR, Moscow, 1956, 237 pp.

Ezrokhi, I. A. (Kiyev). General Functional-analytic Methods for the Establishing of Algorithms Used in Construction of Residues of a Multidimensional Linear Approximation Formulas. 112-113

Mention is made of Remez, Ye. Ya. and Ezrokhi, I. G.

There are 14 references, 10 of which are USSR, and 4 German.

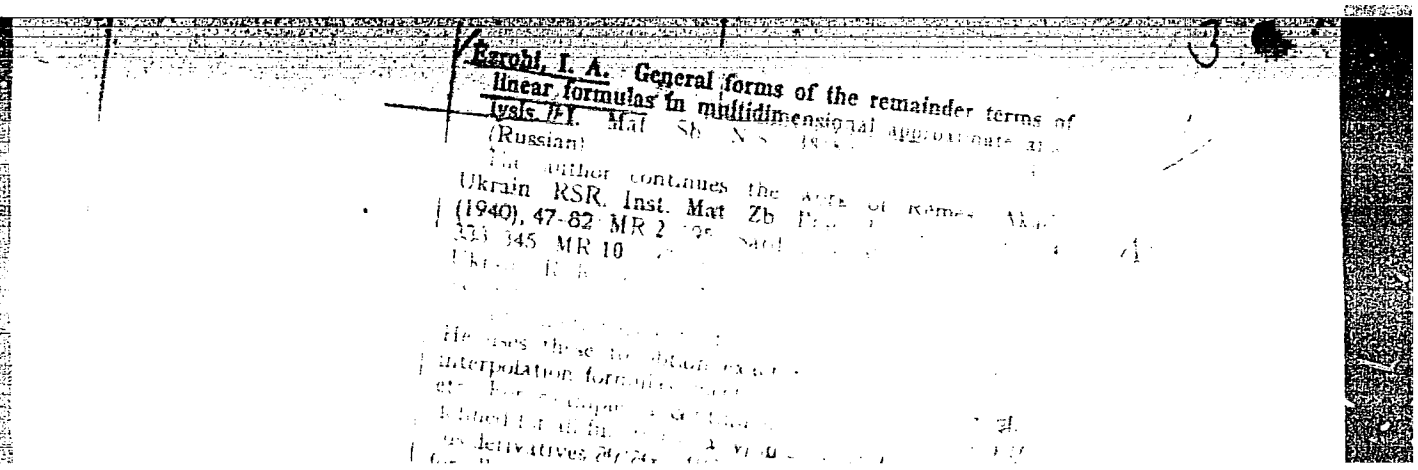
Functional Analysis Section 114-122

Reports by the following personalities are included:

Brodskiy, M. S. (Odessa). General Multiplication Theorem of the Characteristic Matrix-functions of a Linear Operator and Some of its Applications. 114

Mention is made of Livshits, M. S.

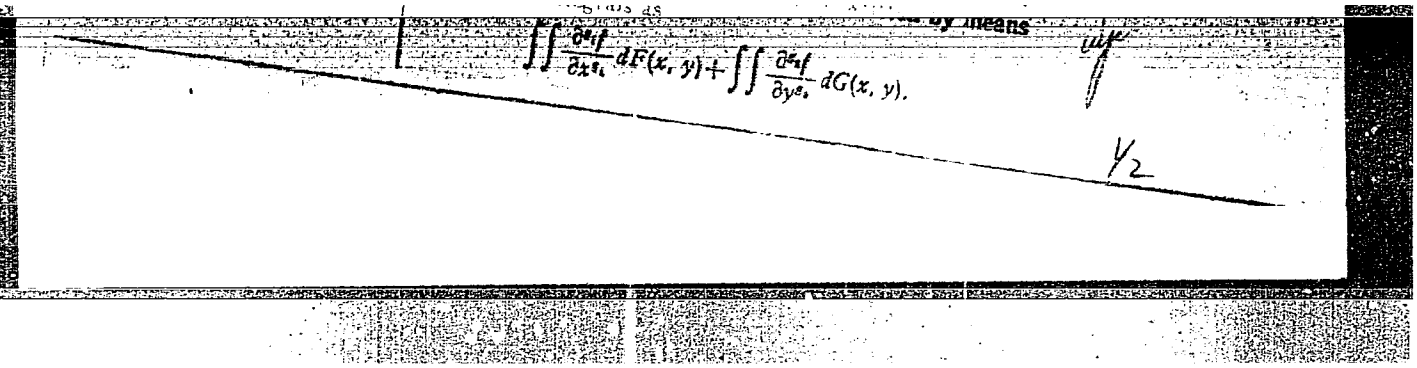
Card 36/80



Ezrohi, I. A. General forms of the remainder terms of linear formulas in multidimensional [illegible]
lysis [N.Y.] Mat. Sb. N.S. [illegible] (Russian)

The author continues the [illegible] of Kamke, Mat. Ukrain. RSR. Inst. Mat. Zb. Prac. [illegible] (1940), 47-82. MR 2 [illegible] 323-345. MR 10 [illegible]

He uses these to obtain exact interpolation formulas [illegible] derivatives [illegible]



Farah, I.A.

where the kernels F, G depend only on h. If Lf is the difference between f and its interpolation polynomial F, G may be computed. Exact formulations of the theorems are too long to be reproduced here. [illegible]

2/2

16(1) SOV/44-59-9-9253

Translation from: Referativnyy zhurnal.Matematika,1959,Nr 9,p 124 (USSR)

AUTHOR: Ezrokhi,I.A.

TITLE: Some Properties of Spaces With a Weakly Compact Unit Sphere

PERIODICAL: Nauchn.tr.Ukr.s.-kh.akad.1957,9,403-406

ABSTRACT: It is proved that the spaces

(c) and (l^p) for $p \geqslant 1$ (theorem 1)

(l^p) and (l^q), $p \geqslant 1$, $q \geqslant 1$, $p \neq q$ (theorem 2)

$L^{(p)}$ $(p \geqslant 1)$ and (c) (theorem 3)

$L^{(p)}$ $(p > 1)$ and (l) (theorem 4)

are linearly incongruent.
Relations between linear dimensions of single concrete spaces are given. Questions connected with linear operations are discussed under the assumptions that either the space in which the operation is defined or the space from which the values of the operation are taken, has a weakly compact unit sphere.

I.A.Yegorova

Card 1/1

EZROKHI, I.A.

AUTHOR: EZROKHI, I.A. (Kiyev)

39-1-2/8

TITLE: General Forms of the Remaining Terms of Linear Formulas of the Multidimesional Approximative Analysis, II (Obshchiye formy ostatochnykh chlenov lineynykh formul mnogomernogo priblizhennogo analiza, II).

PERIODICAL: Matematicheskiy Sbornik, 1957, Vol. 43, Nr 1, pp. 9-28 (USSR)

ABSTRACT: The paper is a continuation of Ezrokhi [Ref. 12]. In five different function spaces (functions with continuous derivatives, functions with mixed derivatives summable in p-th power etc.) methods for constructing the remaining terms of linear approximation formulas are given. The degree of exactness of the formulas is the same as in [Ref. 12] , i.e. they are exact in x_i for polynomials of at most $(s_i - 1)$-th degree. The definition of the spaces is carried out with the aid of the differential complexes according to Remez [Ref. 3] . As examples some general interpolation formulas and cubature formulas are considered, and the remaining terms of single approximation formulas are determined.- 11 Soviet and 4 foreign references are quoted.

SUBMITTED: March 16, 1956
AVAILABLE: Library of Congress

Card 1/1

20-5-12/54

AUTHOR: EZROKHI, I.A.

TITLE: On the Functionals in the Spaces $C_{s_1 \ldots s_n}$ and $L^p_{s_1 \ldots s_n}$ Which Vanish for the Generalized Polynomials of Many Variables (O funktsionalakh v prostranstvakh $C_{s_1 \ldots s_n}$ i $L^p_{s_1 \ldots s_n}$, annuliruyushchikhsya na obobshchennykh mnogochlenakh mnogikh peremennykh)

Periodical: Doklady Akademii Nauk SSSR, 1957, Vol.117, Nr 5, pp.773-776 (USSR)

ABSTRACT: The author gives a further note in the large series of his publications (e.g. [Ref.7,8,9]) concerning the remainder terms V(f) of certain linear approximation formulas in the Banach space E which are exact in a finite-dimensional subspace Ω. Under the supposition that Ω is a certain variety of generalized polynomials and $E = C_{s_1 \ldots s_n}$ or $= L^p_{s_1 \ldots s_n}$ (notations as in [Ref.9]), new representations of V(f) are proposed generalizing the former results of the author [Ref.9] and of Remez [Ref. 3]. 7 Soviet and 3 foreign references are quoted.

Card 1/2

On the Functionals in the Spaces $C_{s_1 \ldots s_n}$ and $L^p_{s_1 \ldots s_n}$ 20-5-12/54

Which Vanish for the Generalized Polynomials of Many Variables

ASSOCIATION: Ukrainian Agricultural Academy (Ukrainskaya sel'skokhozyaystvennaya akademiya)

PRESENTED: By V.I. Smirnov, Academician, 14 June 1957

SUBMITTED: 12 June 1957

AVAILABLE: Library of Congress

Card 2/2

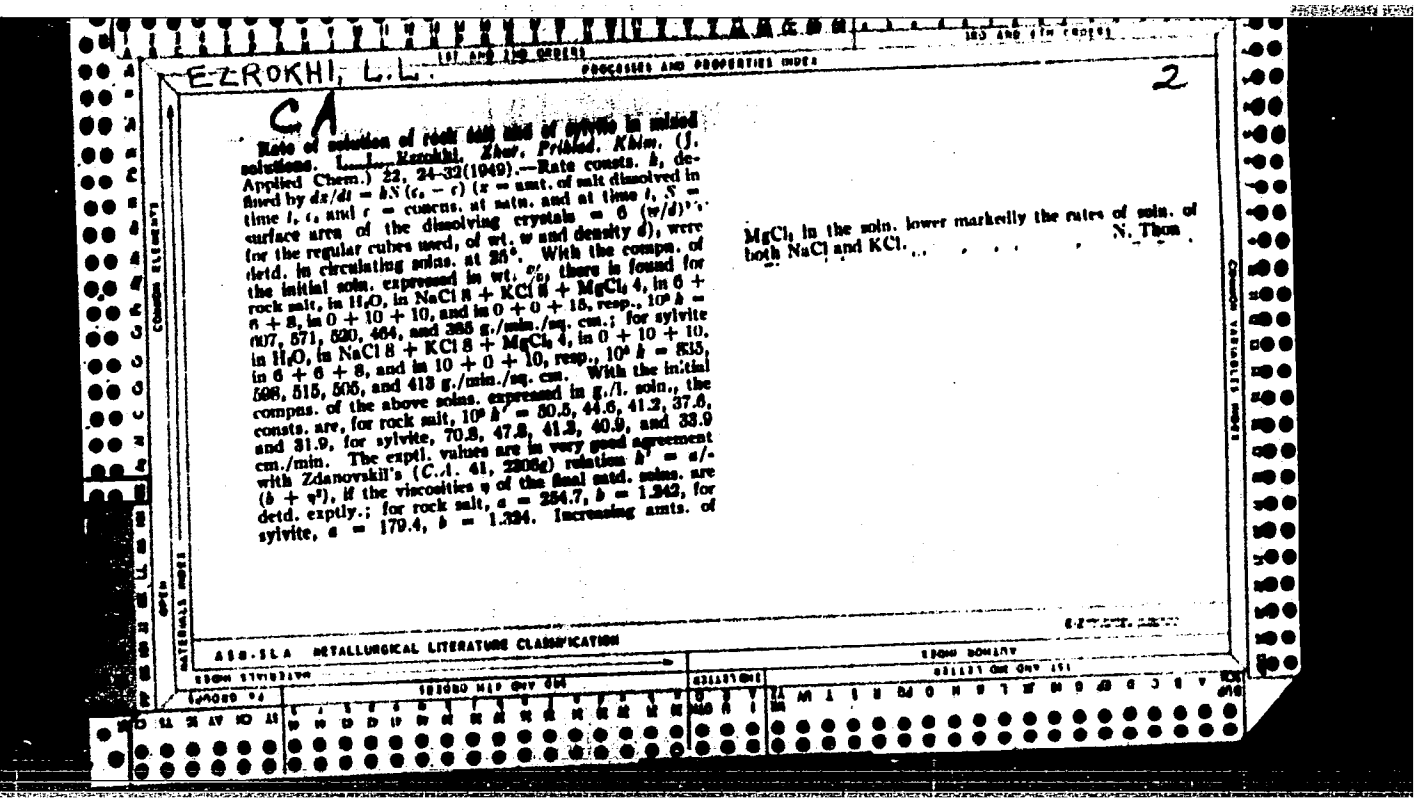
EZROKHI, I.B.; GOBERMAN, M.D., otv.red.; PEVZNER, A.S., zav.red.izd-va; TEMKINA, Ye.L., tekhn.red.

[Uniform time and pay standards for construction, assembly, and repair operations in 1960] Edinye normy i rastsenki na stroitel'nye, montazhnye i remontno-stroitel'nye raboty, 1960 g. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam. Sbornik 34. [Forging and fitting operations] Kuznechno-slesarnye raboty. 1960. 72 p. (MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. TSentral'naya normativno-issledovatel'skaya stantsiya po stroitel'stvu magistral'nykh truboprovodov Glavgaza SSSR "TsNISStroygaz" (for Ezrokhi).
(Wages) (Machine-shop practices) (Forging)

AKIMOV, A.G., inzh.; ZAKS, M.N., inzh.; MELIK-SARKIS'YANTS, A.S., inzh.; EZROKHI, Kh.L., inzh., retsenzent

[Self-unloading vehicles in automotive transportation; the design and construction of dump trucks] Samorazgruzhaiushchiisia avtotransport; konstruktsiia i raschet avtomobilei-samosvalov. Moskva, Mashinostroenie, 1965. 230 p. (MIRA 18:8)



EZROKHI, L.L.

2

C.A.

Rate of solution of rock salt and salt of sylvite in mixed solutions. L. L. Ezrokhi. *Zhur. Prikład. Khim.* (J. Applied Chem.) 22, 24-32(1949).—Rate consts. *k*, defined by $dx/dt = kN(c_s - c)$ (x = amt. of salt dissolved in time t, c_s and c = concns. at satn. and at time t, S = surface area of the dissolving crystals = $6(w/d)^{2/3}$, for the regular cubes used, of wt. w and density d), were detd. in circulating solns. at 25°. With the compns. of the initial soln. expressed in wt. %, there is found for rock salt, in H_2O, in NaCl 8 + KCl 0 + $MgCl_2$ 4, in 6 + 6 + 8, in 0 + 10 + 10, and in 0 + 0 + 18, resp., $10^5 k$ = 707, 571, 520, 464, and 395 g./min./sq. cm.; for sylvite in H_2O, in NaCl 8 + KCl 8 + $MgCl_2$ 4, in 0 + 10 + 10, in 6 + 6 + 8, and in 10 + 0 + 10, resp., $10^5 k$ = 835, 598, 515, 505, and 413 g./min./sq. cm. With the initial compns. of the above solns. expressed in g./l. soln., the consts. are, for rock salt, $10^5 k'$ = 50.5, 44.6, 41.2, 37.6, and 31.9, for sylvite, 70.8, 47.8, 41.3, 40.9, and 33.9 cm./min. The exptl. values are in very good agreement with Zdanovskii's (*C.A.* 41, 2806g) relation $k' = a/(b + \eta^2)$, if the viscosities η of the final satd. solns. are detd. exptly.; for rock salt, a = 254.7, b = 1.342, for sylvite, a = 179.4, b = 1.224. Increasing amts. of $MgCl_2$ in the soln. lower markedly the rates of soln. of both NaCl and KCl. N. Thon

EZROKHI, L. L.

USSR/Chemistry - Salt Solutions Aug 52

"The Viscosity of Aqueous Solutions of Individual Salts of the Maritime System," L. L. Ezrokhi, All-Union Sci Res Inst of Halurgy

"Zhur Prik Khim" Vol 25, No 8, pp 838-849

PA 22878

A study of the viscosity of concd aq solns of sodium, potassium and magnesium sulfates and chlorides revealed the formula which expresses the relation of the viscosity of salt solns exmd to their concn. Qual rules of change were established regarding the relative viscosity of solns, in relation to the temp, for a temp range of 25° - 60°.

22878

22878

Viscosity of aqueous solutions of the individual salts of sea-water systems. L. L. Ezokhi. *J. Appl. Chem. U.S.S.R.* 25, 917–[redacted]*Khim.* 25, 833-40(1952).—From investigations of the viscosity of concd. aq. solns. of Na, K, and Mg sulfates and chlorides, an equation is given for the relation between the viscosity and concn. For NaCl, KCl, Na_2SO_4, and $MgSO_4$, $\psi = A^{c(1+ac)}$, where c is the concn. in g. equivs. of the salt per l., and A and a are consts. For K_2SO_4, $a = 0$. For $MgCl_2$, $\psi = A^{c(1+ac)}$. These two can be written in the general form: $\log \psi = BC[1 + (ac)^n]$, where $B = \log A$ and $n = 2$ for $MgCl_2$ and 1 for solns. of the other salts. The term $(ac)^n$ is a correction term for the Arrhenius formula. In the temp. range 25–60°, $d\psi/dT$, where T is temp., is pos. and its value increases with approach to satn., for KCl and K_2SO_4. For $MgCl_2$ and $MgSO_4$, $d\psi/dT$ is neg. and its abs. value increases with increasing soln. concn. Solns. of Na_2SO_4 are similar to those of the Mg salts. The relative viscosity of dil. NaCl increases with increasing temp. The deriv. $d\psi/dT$ passes through a max. at 2–3 g. equivs. per l. With higher concns., the deriv. decreases and with solns. close to satn., it changes sign. Bernard Rubin

USSR

The viscosity of solutions of the NaCl-KCl-H$_2$O system. L. L. Ezrokhi. *Zhur. Prikład. Khim.* 26, No. 8, 802–7 (1953); *J. Applied Chem. U.S.S.R.* 26, 729–33 (1953) (Engl. translation); cf. *C.A.* 48, 9100i.—The viscosity was detd. for 10 different solns. of the NaCl-KCl-H$_2$O system. In these solns. the concn. of NaCl varied from 1 to 5, of KCl from 1 to 3 molal. The d. and viscosity of the solns. were measured at 25, 40, and 60°. The viscosity was also calcd. by means of the equation $\log \phi_\Sigma = 2 \log \phi_i (\log \phi_i = A_i \eta_i (1 + B_i C))$, where $\log \phi_i$ is the partial relative viscosity, ϕ is the viscosity relative to water, C_i is the concn. of a given salt expressed in g. moles/l., $C = \Sigma C_i$ the summary concn. of both salts, and A_i and B_i are const. at a given temp. The calcd. values of the viscosity agree very well with the exptl. values.

J. Rovtar Leach

Sci. Res. Inst Halurgy.

EZROKHI, L. L.

27

Method of calculation of vapor tension of complex salt solutions at 25°. L. L. Ezrokhi, Trudy Vsesoyuz. Nauchno-Issledovatel. Inst. Galurgii 1956, No. 31, 164–70.—Vapor tension of complex solns. was calcd. from the empirical formula $\log (p/p_0) = \Sigma(AM_i + BM_iM_\Sigma)$, where p is the vapor tension of the soln. in mm. Hg; p_0 = the pressure of satd. H_2O vapor in equil. with pure H_2O at a given temp.; M_i = the concn. of the given salt in soln. in mols. per 1000 mols. H_2O; M_Σ = the total concn. of all the salts in the soln. in mols. per 1000 mols. H_2O; and A and B are the coeffs. for the given salt. For solns. of individual salts, $M_i = M_\Sigma$, and hence $\log (p/p_0) = AM + BM^2$. The coeffs. A and B, resp., for various salts were: NaCl −0.001403 and −0.0000145; KCl −0.001510 and −0.0000475; $MgCl_2$ −0.000609 and −0.0000376; Na_2SO_4 −0.000983 and 0; K_2SO_4 −0.000880 and 0; and $MgSO_4$ −0.000700 and −0.00000552. This method was used in calcg. the vapor tension of complex salts of the system Na^+–K^+–Mg^{++}–Cl^-–SO_4^{--}–H_2O at 25° in solns. of varying concns. and from binary to 5-component system. The divergence of the calcd. data from published data did not exceed 0.5 mm. H_2O or 2% relative to the vapor tension of pure H_2O at a given temp.

E. M. Bikjn

ZDANOVSKIY, A.B.; SOLOV'YEVA, Ye.F.; EZROKHI, L.L.; LYAKHOVSKAYA, Ye.I.; VYAZOVOVA, V.V., red.; PEL'SHA, A.D., red.; KOTS, V.A., red.; LEVIN, S.S., tekhn. red.; ERLIKH, Ye.Ya., tekhn. red.

[Manual of experimental data on the solubility of salt systems] Spravochnik eksperimental'nykh dannykh po rastvorimosti solevykh sistem. Leningrad, Gos. nauchno-tekhn.izd-vo khim. lit-ry. Vol.3. [Two-component systems; elements of the I group and their compounds] Dvukhkomponentnye sistemy; elementy I gruppy i ikh soedineniia. Sost. A.B.Zdanovskii i dr. Pod red. V.V. Viazovova, A.D.Pel'sha, 1961. 2224 p. (MIRA 15:3)

1. Leningrad. Vsesoyuznyy nauchno-issledovatel'skiy institut galurgii.
(Salts) (Systems (Chemistry)) (Solubility)

ZDANSKIY, A.B.; SOLOV'YEVA, Ye.F.; EZROKHI, L.L.; LYAKHOVSKAYA, Ye.I. Prinimali uchastiye: SHITIKOVA, V.S.; BEL'DY, M.P.; ROMANOVA, V.A.; PEL'SH, A.D., red.; KOTS, V.A., red.; LEVIN, S.S., tekhn. red.; ERLIKH, Ye.Ya., tekhn. red.

[Handbook of experimental data on the solubility of salt systems] Spravochnik eksperimental'nykh dannykh po rastvorimosti solevykh sistem. Leningrad, Goskhimizdat. Vol.4.[Two-component systems; elements of the IInd group and their compounds] Dvukhkomponentnye sistemy; elementy II gruppy i ikh soedineniia. Sost. A.B.Zdanskii i dr. Pod red. A.D.Pel'sha, 1963. 2231-2878 p. (MIRA 17:2)

1. Leningrad. Vsesoyuznyy nauchno-issledovatel'skiy institut galurgii. 2. Fiziko-khimicheskaya laboratoriya Vsesoyuznogo nauchno-issledovatel'skogo instituta galurgii (for Shitikova, Bel'dy, Romanova).

EZROKHI, T.G. (Kiyev)

Curvature of level lines and their orthogonal trajectories in a class of functions with limited rotation. Ukr. mat. zhur. 17 no.6:91-99 '65. (MIRA 19:1)

1. Submitted June 9, 1964.

~~EZROHI, T. G.~~
EZROKHI, T. G.

(6)

Ezrohi, T. G. **A general form of the remainder terms of several n-dimensional approximation formulas.** Dopovidi Akad. Nauk Ukrain. RSR 1952, 174–179 (1952). (Ukrainian. Russian summary)

E. Remès [Acad. Sci. RSS Ukraine. Rec. Trav. [Zbirnik Prace] Inst. Math. 1940, 47–82; C. R. (Doklady) Acad. Sci. URSS (N.S.) 26, 129–133 (1940); diese Rev. 2, 195] bemerkte, dass man zahlreiche Approximationsformeln mit Restgliedern aus der Stieltjesintegraldarstellung der allgemeinen stetigen Linearform im Raume C_m herleiten kann. Verfasser baut diese Methode aus und bestimmt die Fehlerglieder in gewissen Formeln für angenäherte Integration, die von L. A. Lyusternik und V. A. Ditkin [Doklady Akad. Nauk SSSR (N.S.) 61, 441–444 (1948); diese Rev. 10, 153] angegeben wurden. *K. Zeller* (Philadelphia, Pa.).

Mathematical Review.
June 1954
Analysis

EZROKHI, T. G. TA 250T95

USSR/Mathematics - Pedagogy Mar/Apr 53

"Exposition of the Subject of Linear Differential Equations in Colleges," I. A. Ezrokhi and T. G. Ezrokhi

Usp Mat Nauk, Vol 8, No 2(54), pp 157-158

Shows that when the ordinary second-order linear differential eq $y''+p(x)y'+q(x)y=0$ is transformed into the form $y'' - (g+a)y' + ga.y = 0$ (where g,a are roots of the characteristic eq $r^2+pr+q=0$), it forms an instructive eq for college students, especially in the case where one root turns out to be const.

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SOV/44-59-9-8986

16(1) 16.4100 16.4600

Translation from: Referativnyy zhurnal.Matematika,1959,Nr 9,p 64 (USSR)

AUTHORS: Ezrokhi,T.G., and Ezrokhi,I.A.

TITLE: On the Representation of the Remainder Terms of Some n-Dimensional Approximation Formulas

PERIODICAL: Izv.Kiyevsk.politekhn.in-ta,1956,19,178-204

ABSTRACT: Some concrete spaces of differentiable functions of several variables are considered. The functions are defined on a star-shaped domain. The spaces are of the Banach-type and contain the set H of all polynomials of at most $(s-1)^{st}$ degree as a linear subspace.
The authors give the general form of the linear functionals on these spaces which vanish on H. The authors improve the estimations for cubature formulas formerly given by T.G.Ezrokhi (Referativnyy zhurnal.Matematika, 1956,3340). They give an estimation of the remainder series of a harmonic function defined on the sphere, which is developed in terms of spherical functions.

Card 1/1

EZROKHI, T.G. [Ezrokhi, T.H.]

On some classes of p-valent functions. Dop.AN URSR no.12:1560-1564 '62. (MIRA 16:2)

1. Kiyevskiy politekhnicheskiy institut. Predstavleno akademikom AN UkrSSR Yu.O. Mitropol'skim [Mytropol's'kyi, IU.O.].
(Functions)

EZROKHI, T.G. (Kiyev)

A class of functions, univalent in the region $1<|z|<\infty$.
Izv. vys.ucheb. zav.; mat. no. 1:166-172 '64. (MIRA 17:5)

EZROKHI, T.G. [Ezrokhi, T.H.]

Some estimates in special classes of univalent functions regular in the circle $|z| < 1$. Dop. AN URSR no.8:984-988 '65.
(MIRA 18:8)

1. Kiyevskiy politekhnicheskiy institut.

EZROKHI, TS.I.

Letter to the editor. Tekh.kino i telev. 4 no.7:92-93 Jl '60.
(MIRA 13:7)

(Motion-picture photography)

Ezsias, P.

The state furniture industry at the Industrial Fair. p. 281

FAIPAR. (Faipari Tudomanyos Egeysulet)
Budapest, Hungary. Vol. 9, no.9, September 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no.11
November 1959
Uncl.

EZSIAS, Palne

On the furniture contest of the Hungarian Center of Cooperative Enterprises. Faipar 12 no.6:184-186 Je '62.

1. "Faipar" szerkeszto bizottsagi tagja.

EYMAN, K.

Poland/Fitting Out of Laboratories -- Instruments, Their Theory, Construction, and Use, H

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 1356

Author: Eyman, K., Piotrowski, S., and Hladyniuk, W.

Institution: None

Title: A Method for Determining the Moisture Content of Granulated Substances with a Pycnometer

Original Periodical: Mater. budowl., 1955, Vol 10, No 11, 300-304; Polish

Abstract: A pycnometer (P) consisting of a glass flask with a capacity of ca. one liter with a conical lid having a 6 mm opening at the top was used by the authors in determining moisture content. First, the weight P_1 of the pycnometer filled with water is determined; next, P is emptied and refilled with one kg of the material to be investigated, water is added, and the metallic cap screwed on. The flask is shaken to remove trapped air bubbles, after which water is added up to the mark and the flask weighed again. The weight

Card 1/2

EYMAN, Krystian, prof. dr

Definition of workability of concrete. Inz i bud 20 no.6:212 Je '63.

EYMAN, Krystian, prof. dr inz.

Selecting method of graining ordinary concrete aggregates.
Inz i bud 21 no.10:365-367 O '64.

1. Technical University, Warsaw.

ZYMANIS, A. A.

Sponsoring Agencies: Glavnoye upravleniye po ispol'zovaniyu atomnoy energii, and Akademiya nauk SSSR.

Editorial Board of Set: V.I. Dikushin, Academician (Resp. Ed.), N.N. Shumilovskiy (Deputy Resp. Ed.), Yu. S. Zaslavskiy (Deputy Resp. Ed.), L.K. Tatochenko, B.I. Verknovskiy, S.T. Nazarov, L.I. Petrenko, and N.G. Zelevinskaya (Secretary).

Ed. of Publishing House: P.N. Belyanin; Tech. Ed.: T.P. Poleneva.

PURPOSE: This book is intended for specialists in the field of machine and instrument manufacture who use radioactive isotopes in the study of materials and processes.

COVERAGE: This collection of papers covers a very wide field of the utilization of tracer methods in industrial research and control techniques. The topic of this volume is the use of radioisotopes in the machine-and instrument-manufacturing industry. The individual papers discuss the applications of radioisotope techniques in the study of metals and alloys, problems of friction and lubrication, metal cutting, engine performance, and defects in metals. Several papers are devoted to the use of radioisotopes in the automation of industrial processes, recording and measuring devices, quality control, flowmeters, level gauges, safety devices, radiation counters, etc. These papers represent contributions of various Soviet institutes and laboratories. They were published as Transactions of the All-Union Conference on the Use of Radioactive and Stable Isotopes and Radiation in the National Economy and Science, April 4-12, 1957. No personalities are mentioned. References are given at the end of most of the papers.

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AUTHORS: Smirnov, F.F.; Eykhmans, E.F.; Kamenskaya, D.S.; Brakhman, L.A.; Kiselev, Ye.N.; Serebrovskiy, V.B.

TITLE: The cutting properties of carbides of increased strength

PERIODICAL: Stanki i instrument, no. 3, 1962, 27-30

TEXT: Three new cutting alloys, developed by the Vsesoyuznyy nauchno-issledovatel'skiy institut tverdykh splavov (All-Union Scientific Research Institute of Hard Alloys) (VNIITS) for use when the cutting tools of standard carbides break down because of crumbling, are described. The composition of TT7K12 (TT7K12), T5K12B (T5K12V) and TT7K15 (TT7K15) alloys, selected from many compositions after tests at VNIITS, NIITAvtoprom, TsNIITMASh and Uralmashzavod, is as follows(Table 1):

Card 1/4

The cutting properties .....

Alloy	Specific weight, g/cm^3	Hardness, RA	Chemical composition (%)			
			Titanium carbide	Tantalum carbide	Tungsten carbide	Cobalt
TT7K12	13.1	87-88	4	3	81	12
TT7K15	12.7-13.0	87-88	4	3	78	15
T5K12V	12.9-13.0	87-88	5	-	83	12

Cutting tests were conducted at the Uralmashzavod, Kolomenskiy teplovozostroitel'nyy zavod (Kolomna Diesel Locomotive Plant), Stankostroitel'nyy zavod im. Ordzhonikidze (Machine Tool Plant im. Ordzhonikidze), ZIL, GAZ, Kramatorskiy zavod tyazhelogo mashinostroyeniya (Kramatorsk Heavy Machinery Plant), and the Elektrostal'skiy zavod tyazhelogo mashinostroyeniya (Electrostal' Heavy Machinery Plant). The results show that TT7K15 has the highest strength but only half the durability of TT7K12, and the T5K12V has almost the same cutting properties as

Card 3/4

The cutting properties .....

TTK12 but lower wear resistance. Generally, the strength of the new alloys in cutting is considerably higher than that of the standard carbides T5K10 (T5K10), BK8 (VK8) or BK11 (VK11) in cutting with deep cut. They proved good in heavy and intermittent cutting with relatively high cutting speed, and they are initially being used for planing large machine parts at the Kolomna Diesel Locomotive Plant, etc., as well as for planing large steel plates for dies at the Gor'kovskiy Avtomobil'nyy zavod (Gor'kiy Automobile Plant). The following conclusions are drawn: (1) TT7K12 and T5K12V alloys are basically used as substitutes for high-speed steel in rough turning, turning on mills, planing, and other machining where the strength of standard carbides is not sufficient for dependable tool performance. In rough turning, they often can replace the T5K10 alloy, and the feed must then be raised 1.5 times or doubled, and the cutting speed slightly reduced. (2) The strength of TT7K12 and T5K12V is mostly sufficient; since the TT7K12 alloy is stronger and has a lower wear resistance, it would be better to use the latter in individual cases. (3) The use of the new alloys will have negative results in cases where the T5K10 alloy works without too much crumbling of the cutting edge and where any considerable increase in the cut depth is technically impossible or

Card 3/4

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The cutting properties .....

inexpedient. (4) The cutting capacity of the TT7K.. and T5K1.V alloys is much higher than that of high-speed steel when the cut is deep, but the difference abruptly diminishes or even disappears in operation with low feed (of about 0.1 m/rev). More experiments are necessary before it can be seen whether the new alloys ought to be used for shallow cutting. (5) In future, it is necessary to investigate whether the new alloys should be used for cutoff tools and complex-shaped cutters, to determine the effect of cutting tips of the new alloys on tools for materials difficult to cut, and to achieve stable cutting properties for the TT7K1. and T5K1.V alloys. There are 3 tables and 5 figures.

Card 4/4

EYLEROM, S.A., inzh.; TABUNINA, M.A., red.izd-va; SHERSTNEVA, N.V., tekhn. red.

[Installation of exposed water pipes] Montazh naruzhnykh truboprovodov. Izd.2., ispr. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 244 p. (MIRA 15:2)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu.

(Water pipes) (Pipe fitting)

EYMONT, Hiacynta; SASSOWA, Janina

Fate of children with rheumatic fever treated at the 1st Pediatric Clinic of the Medical Academy in Wroclaw. Pediat. polska 33 no.6: 667-675 June 58.

1. Z I Kliniki Pediatrycznej A.M. we Wroclawiu Kierownik: prof.dr med. H. Hirszfeldowa. Adres: Wroclaw, ul. Hoene Wronskiego 13 c, I Klin. Pediatr. A.M.

(RHEUMATIC FEVER,
progn. & statist. (Pol))

EYMONT, M.

Electric power now and in the future. p. 177.
(PRZEGLAD KOLEJOWY ELEKTROTECHNICZNY. Vol. 8, no. 6, June 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957. Uncl.

EYMONT, M.

Maintenance of the traction network of Netherlands railroads. p. 247. (Przeglad Kolejowy Elektrotechniczny, Vol. 8, No. 8, Aug 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.

EYNGHT, M.

Development of the turbogas locomotive.

P. 220. (PRZEGLAD KOLEJOWY MECHANICZNY) (Warszawa, Poland) Vol. 9, no. 7, July 1957

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

EYMONT, M.

Technical alterations in the traction modes of European railroads. p. 102.

PRZEGLAD KOLEJOWY ELEKTROTECHNICZNY. (Wydawnictwa Komunikacyjne) Warszawa, Poland, Vol. 11, no. 4, Apr. 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.