

KOVAL', Ye.T.; ZAGORUL'KO, A.Ya.; LIPETS, A.A.

Studying the filtration of the extraction liquor in a cassette bed as applicable to rotary diffusers. Trudy TSIS no.7:103-123 '60. (MIRA 16:2)

1. Laboratoriya sokodobyvaniya TSentral'nogo nauchno-issledovatel'skogo instituta sakharnoy promyshlennosti. (Sugar manufacture) (Sugar machinery)

ZAGORUL'KO, A.Ya.

Determining the real surface area and equivalent thickness
of the beet cossette. Trudy TSINS no.7:124-132 '60.

(MIRA 16:2)

1. Laboratoriya sokodobyvaniya Tsentral'nogo nauchno-
issledovatel'skogo instituta sakharnoy promyshlennosti.
(Sugar manufacture)

KOVAL', Ye.T.; ZAGORUL'KO, A.Ya.; LIPETS, A.A.

New method of comparison assaying of the various systems of
diffusers. Trudy TSINS no.7:171-175 '60. (MIRA 16:2)

1. Laboratoriya sokodobyvaniya Tsentral'nogo nauchno-issledovatel'-
skogo instituta sakharnoy promyshlennosti.
(Sugar industry—Equipment and supplies)

KOVAL', Ye.T.; ZAGORUL'KO, A.Ya.; LIPETS, A.A.

Effect of the velocity rate of the extraction liquor on the
coefficient of diffusion of sugar from the beet tissue. Trudy
TSINS no.7:133-138 '60. (MIRA 16:2)

1. Laboratoriya sokodobyvaniya Tsentral'nogo nauchno-issledovatel'skogo instituta sakharnoy promyshlennosti.
(Sugar manufacture)

ZAGORUL'KO, A. Ya.

ZAGORUL'KO, A. Ya.

Effect of thermoplasmolysis and selective electroplasmolysis on the structure of the plasma membrane and the permeability of beet tissues. Sakh. prom. 31 no.11:67-70 N '57. (MIRA 11:1)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharnoy promyshlennosti.
(Plant cells and tissues) (Sugar industry)

ZAGORUL'KO, A.Ya.

Obtaining diffusion juice by means of electroplasmolysis. Sakh. proc.
32 no.5:11-18 My '58. (MIRA 11:6)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharnoy promysh-
lennosti.

(Sugar manufacture) (Diffusion)

KOVAL', Ye.T.; ~~ZAGORULKO, A.Ya.~~; LIPITS, A.A.

Purification of diffusion and pulp-press water returning to the
diffuser. Sakh. prom. 32 no.8:24-29 Ag '58. (MIRA 11:9)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharnoy
promyshlennosti.
(Sugar manufacture)

KOVAL', Ye.T.; ZAGORUL'KO, A.Ya.

Problems of the theory and design of a continuous diffuser.
Trudy TSINS no.7:139-170 '60. (MIRA 16:2)

1. Laboratoriya sokodobyvaniya Tsentral'nogo nauchno-
issledovatel'skogo instituta sakharnoy promyshlennosti.
(Sugar industry—Equipment and supplies)

KOVAL', Ye.T.; ZAGORUL'KO, A.Ya.

Theoretical principles of extracting sugar from sugar beets by
diffusion. Sakh.prom. 35 no.7:15-20 J1 '61. (MIRA 14:7)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharnoy
promyshlennosti.
(Sugar manufacture) (Sugar beets)

ZAGORUL'KO, A. Ya.: Master Tech Sci (diss) -- "Obtaining diffusion fluid by means of electroplasmolysis". Kiev, 1958. 19 pp (Min Higher Educ Ukr SSR, Kiev Tech Inst of the Food Industry), 150 copies (KL, No 2, 1959, L21)

ZAGORULKO, L. T.

DECEASED 1957

Physiology

see ILC

DAVIDOVSKAYA, Ye.A.; ZAGORUL'KO, L.V.; FILIMONOV, M.I.

Hydrometallurgical treatment of oxidized and mixed ores from
the Dzheskazgan deposit. Sbor. nauch. trud. Gintsvetrata
no.23:269-282 '65. (MIRA 18:12)

ZAGORUL'KO, S. (Donetsk); PAKHOMOV, V. (Kazan')

Office of innovations of commercial aviation. Grazhd.av. 19
no.10:20 O '62. (MIRA 16:2)

1. Nachal'nik shtaba Donetskogo podrazdeleniya Grazhdanskogo
vozdushnogo flota (for Zagorul'ko). 2. Glavnyy inzhener
lineynykh ekspluatatsionno-remontnykh masterskikh, Kazan' (for
Pakhomov).

(Aeronautics, Commercial—Technological innovations)

ZAGORUL'KO, S.

84-11-24/36

AUTHOR: Kutuzov, V., Zagorul'ko, S. (Stalino)

TITLE: Fighting Rodents with Chemicals from the Air
(Aviakhimicheskaya bor'ba gryzunami)

PERIODICAL: Grazhdanskaya aviatsiya, 1957, Nr 11, p. 31 (USSR)

ABSTRACT: Since 1955, fighting of gophers and other rodents in the Stalino region is conducted from the air. Corn grains poisoned by zinc phosphide were strewn over the fields for some time, but the animals often avoided the poison by eating up the core of the grain without taking the shell. In 1957, corn was replaced by oats soaked in sunflower-seed oil for fragrance. To 80-86 weight parts of oats 4 -5 parts of oil and 10-15 parts of zinc phosphide are added. The proportion of the poison should not exceed 15 parts to avoid blackening of the grain and leaving repulsive odor. A hectare is covered by 3 kg of treated oats.

AVAILABLE: Library of Congress

Card 1/1

ZAGORUL'KO, T.M.

Relationship between the forebrain and visual centers of the midbrain in bony fishes and amphibia. Zhur. evol. biokhim. i fiziol. 1 no.5:449-458 3-0 '65. (MIRA 18:10)

1. Laboratoriya sravnitel'noy fiziologii tsentral'noy nervnoy sistemy Instituta evolyutsionnoy fiziologii i biokhimii imeni Sechenova AN SSSR, Leningrad.

ZAGORUL'KO, T. M.

"An Electrophysiological Analysis of the Action of the Visual Analyser in Frogs."
Cand Biol Sci, Inst of Physiology named I. P. Pavlov, Acad Sci USSR; Neurotrophic
Laboratory, Inst of Experimental Medicine, Acad Med Sci USSR; Department of Com-
parative Physiology and Pathology of Higher Nervous Activity, Leningrad, 1954.
(KL, No 1, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational
Institutions (12)

SO: SUM No. 556, 24 Jun 55

ZAGORULKO, T.M.
EXCERPTA MEDICA Sec 2 Vol. 2/6 Physiology June 58

2886. THE LOCALIZATION OF CEREBRAL VISUAL CENTRES IN THE FROG
(Russian text) - Zagorulko T. M., Dept. of Comp. Physiol. and Pathol.,
Inst. of Exp. Med. and Visual Analysor Lab. I. P. Pavlov Inst. of Physiol.,
Leningrad - FIZIOL. Z. 1957, 43/12 (1156-1165) Illus. 5

Photic stimulation of one eye in the frog (*Rana ridibunda*) evokes an electrical response from the ipsilateral, as well as from the contralateral tectum. The electrical response of the contralateral tectum has an average latent period of 71 msec., that of the ipsilateral 94 msec. Photic stimulation of the eye also elicits an electrical response from the contralateral hemisphere of the forebrain. This response is recorded as a single or bi-phasic slow deflection followed by a series of oscillations of a higher intensity. This response has an average latent period of 85 msec. It may be concluded that the visual analyser of amphibians is represented in the hemispheres of the forebrain, the mesencephalon and the midbrain.

Simonson - Minneapolis, Minn.

ZAGORUL'KO, T.M.

ZAGORUL'KO, L.T.; ZAGORUL'KO, T.M.; MUSHKINA, N.A.

The role of physiological processes in the retina and cerebral cortex in the formation of trace sensations in man. *Fiziol.shur.* 44 no.4:286-294 Ap '58. (MIRA 11:4)

1. Laboratoriya fiziologii zritel'nogo analizatora Instituta fiziologii im. I.P.Pavlova AN SSSR, Leningrad.

(RETINAL, physiology

role in form. of trace sensations in man (Rus))

(CEREBRAL CORTEX, physiology

role in form. of trace sensations in man (Rus))

BIRYUKOV, D.A., VEDYAYEV, F.P., ZAGORUL'KO, T.M., KARAMYAN, A.I.

Substantial contribution to the development of comparative
physiology ("Principles of comparative physiology: Comparative physiology
of the nervous system" by Kh.S. Koshtolianets. Reviewed by D.A. Biryukov
and others. Fiziol.zhur. 44 no.6:595-598 Je '58 (MIRA 11:7)
(NERVOUS SYSTEM)
(KOSHTOLIANETS, Kh.S.)

ZAGORUL'KO, T.M.

Electrophysiological studies on the activity of the visual analyser
in frogs [with summary in English]. *Fiziol.zhur.* ⁴⁴ no.10:928-937
0 '58 (MIRA 12:1)

1. From the department of comparative physiology and pathology,
Institute of experimental Medicine and from the laboratory of
visual analyser physiology, I.P. Pavlov Institute of Physiology,
USSR, Academy of Sciences, Leningrad.

(ELECTRORETINOGRAPHY,

determ. of activity of visual analyser in frog. (Rus))

USSR/Human and Animal Physiology - The Nervous System.

T

Abs Jour : Ref Zhur Biol., No 3, 1959, 13164

Author : Zagcrul'ko, T.M.

Inst :

Title : Localization of Centers of Visual Analysors in the Frog

Orig Pub : Fiziol. zh. SSSR, 1957, 43, No 12, 1156-1165

Abstract : With stimulation of the eye of the frog by a light of low intensity (0.5 - 11 lux) and by monopolar electrodes the bioelectrical reactions in the contra- and ipsilateral optic tegmina (OT) were recorded; (the latent period corresponded to 71 and 94 milliseconds), as well as in the hemispheres of the anterior brain (the latent period was 85 milliseconds)/ The reaction in the ipsilateral OT was maintained after resection of the comisura supra-optica, which suggested that the connection between the illuminated eye and the ipsilateral OT could be accomplished through the diencephalon. -- Zh. P. Shuranova

Card 1/1

KREPS, Ye.M., otv. red.; VERZHBINSKAYA, N.A., red.; VINNIKOV,
Ya.A., red.; VOSKRESENSKAYA, A.K., red.; ZHUKOV, Ye.K.,
red.; ZSCODILKO, T.M., red.; ITINA, N.A., red.;
KARAMYAN, A.I., red.; KARMANOVA, I.G., red.;
KONSTANTINOVA, M.S., red.; PLIETSKAYA, E.M., red.

[Functional evolution of the nervous system] Funktsio-
nal'naya evoliutsiia nervnoi sistemy. Moskva, Nauka,
1965. 189 p. (MIRA 19:1)

1. Akademiya nauk SSSR. Institut evolyutsionnoy fizio-
logii i biokhimi.

L 23777-66

ACC NR: AP6015180

SOURCE CODE: UR/0239/65/001/001/0054/0064

AUTHOR: Zagorul'ko, T. M.

ORG: Laboratory of Comparative Physiology of the Central Nervous System, Institute of Evolutionary Physiology im. I. M. Sechenov, AN SSSR, Leningrad (Laboratoriya sravnitel'noy fiziologii tsentral'noy nervnoy sistemy Instituta evolyutsionnoy fiziologii AN SSSR)

TITLE: Effects of the cervical sympathetic ²²nerve and of ²²adrenaline on evoked reactions of the visual system of the rabbit

SOURCE: Fiziologicheskiy zhurnal SSSR, v. 51, no. 1, 1965, 54-64

TOPIC TAGS: rabbit, vision, autonomic nervous system, hormone, bioelectric phenomenon, cerebral cortex

ABSTRACT: The response of the visual system of the rabbit to visual stimuli on extirpation of the upper cervical sympathetic ganglion on one side and on administration of adrenaline was studied by determining the bioelectric activity of the optical centers of the brain and by taking electroretinograms. Removal of the upper cervical sympathetic ganglion lowered the level of bioelectric activity of the optic region of the cerebral cortex and reduced the sensitivity of the animals to light flickering at high frequencies (≤ 14 flashes per sec). The sensitivity to low-frequency light rhythms, including that optimal for rabbits (6 flashes per sec.), was not reduced. The excitation cycle of

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UIC: 61.822.3

L 23777-66 --

ACC NR: AP6015180

brain centers and the increased response to a pair of light stimuli were not affected. Administration of adrenaline to animals lacking the sympathetic cervical ganglion of one side increased the bioelectric response and the amplitude and length of waves on the electroretinogram. The effect of adrenaline on the side from which the sympathetic ganglion had been removed was higher than that on the other (intact) side, the responses of which to light stimuli had been altered to a lesser extent by the operation. Orig. art. has: 6 figures. [JPRS]

SUB CODE: 06 / SUBM DATE: 18Feb64 / ORIG REF: 028 / OTH REF: 008

Card 2/2

PB

ZAGORUL'KO, T.M.

Effect of the cervical sympathetic nerve and adrenaline on evoked responses of the visual system in rabbits. Fiziol. zhur. 51 no.1: 54-64 Ja '65. (MIRA 18:7)

1. Laboratoriya sravnitel'noy fiziologii tsentral'noy nervnoy sistemy Instituta evolyutsionnoy fiziologii imeni Sechenova AN SSSR, Leningrad.

MENITSKIY, D.N.; BELEKHOVA, M.G.; ZAGORUL'KO, T.M.

Separation of physiological factors from physical factors in the leading off of evoked potentials in the central nervous system of lower vertebrates. Fiziol. zhur. 50 no.5:637-640 My '64.

(MIRA 18:2)

1. Otdel sravnitel'noy fiziologii Instituta eksperimental'noy meditsiny AMN SSSR i Laboratoriya sravnitel'noy fiziologii imeni Sechenova AN SSSR, Leningrad.

BELEKHOVA, M.G.; ZAGORUI'KO, T.M.

Correlation between the background electric activity of the brain, discharge of the aftereffect and intensification of the electrogram reaction to light stimulation in turtles *Emys orbicularis*, Zhur.vys. nerv.deiat. 14 no.9:1079-1089 N-D '64.

(MIRA 18:6)

1. Laboratory of Comparative Physiology of the Central Nervous System, Sechenov Institute of Evolutionary Physiology, U.S.S.R. Academy of Sciences, Leningrad.

BIRYUKOV, D.A.; ZAGOUL'KO, T.M.

Review of I.A. A. Vinnikov and L.K. Titova's book "Corti's
organ ; histophysiology and histochemistry". Fiziol. zhur.
49 no.2:262-264 F'64 (MIRA 17:3)

KREPS, Ye.M., *otv. red.*; VERZHBINSKAYA, N.A., *red.*; VOSKRESENSKAYA, A.K., *red.*; ZHUKOV, Ye.K., *red.*; ZACORULIYO, T.M., *red.*; ITINA, N.A., *red.*; KARAMYAN, A.I., *red.*; KARYANOVA, I.G., *red.*; KONSTANTINOVA, M.S., *red.*; TITOVA, L.K., *red.*

[Evolution of the functions; physiological, biochemical and structural foundations of the evolution of the functions. Festschrift for the 80th anniversary of Academician L.A.Orbeli] *Evoliutsiia funktsii; fiziologicheskie, biokhimicheskie i strukturnye osnovy evoliutsii funktsii. Sbornik posviashchennyi 80-letiiu akademika L.A.Orbeli. Moskva, Izd-vo "Nauka," 1964. 290 p. (MIRA 17:6)*

1. Akademiya nauk SSSR. Institut evolyutsionnoy fiziologii.
2. Chlen-korrespondent AN SSSR (for Krepis).

BLAGOVIDOVA, L.A.; BELEKHOVA, M.G.; ZAGORUL'KO, T.M.

Electrical activity changes in the diencephalic region and in the cerebral cortex of the rabbit under the influence of bitemporal diathermy. Biul. eksp. biol. i med. 53 no.5:8-13 My '62. (MIRA 15:7)

1. Iz bol'nitsy imeni V.V. Kuybysheva i laboratorii sravnitel'noy fiziologii tsentral'noy nervnoy sistemy (nav. - prof. A.I. Karamyan) Instituta evolyutsionnoy fiziologii imeni I.M. Sechenova AN SSSR, Leningrad. Predstavlena deystvitel'nym chlenom AMN SSSR P.S. Kupalovym.
(DIATHERMY) (CEREBRAL CORTEX) (DIENCEPHALON)
(ELECTROENCEPHALOGRAPHY)

LEBEDEV, G., Gvardii kapitan, komandir roty; ZAGORUL'KO, V., mayor

The chief importance lies in an individual approach. Voen.
vest. 42 no.6:7-8 Je '62. (MIRA 15:6)

1. Neshtatnyy korrespondent zhurnala "Voyenny Vestnik" (for
Zagorul'ko).

(Military education)

BIBIKOV, I.; DEREVIANKO, K.; KAZACHKO, V.; KIRICHENKO, I.; KUCHER, N.;
MACHUKHO, A.; NABATNIKOV, P.; SOKOLOV, B.; SIVOKON'Ya; US, V.;
SHCHIGALEV, V.; BURAVENKO, N.; KOVSHAROV, S.; SOKOLOV, S.;
ZAGORUL'KO, S.; TSYBA, M.; FOMENKO, I.; LYAKHOVETSKIY, M.

Let us help farmers grow an abundant crop. Grazhd. av. no.3:3
Mr '61. (MIRA 14:3)

(Aeronautics in agriculture)

ZAGORUL'KO, V.N., insh.

Field laboratories for determining the moisture and ash content
of peat fuel. Torf.prom. 37 no.2:22-24 '60.
(MIRA 13:6)

1. Glavnaya inspektsiya po kachestvu torfa Bryanskogo sovnarkhoza.
(Peat--Analysis)

ZAJORUL'KO, V. N. BERESNEVICH, V. V.

Peat Industry

Thermometer TOM-2 for temperature control of cut peat stocks. Torf. prom. 29 no. 5,
1952.

Monthly List of Russian Accessions, Library of Congress, August, 1952. Unclassified.

DOLMATOV, F.M.; YEVTUSHENKO, F.A.; ZAGORUL'KO, Yu.V.

Redesign of slabbing mills and an increase in the production
of slabs. Metallurg 8 no.11:22-24 N '63. (MIRA 16:12)

ZAGONULYA, N. D.

"Behavior of Bacilli Coli in the Water of Reservoirs in Connection With the Environmental Conditions." Cand Med Sci, Dnepropetrovsk State Medical Inst, Dnepropetrovsk, 1954. (KL, No 2, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

2940 Zagorniya, N. Ya.

Povedeniye kishchnoy palochki v vode vodoyemov v svyazi s usloviyami vneshney
sredy. Dnepropetrovsk, 1954. 14 s. 20 sm. (Dneproetr. gos. med. in-t).
100 etz. B. Ts. (54-56615)

MARKARYAN, Ye.A., podpolkovnik meditsinskoy sluzhby; NEBOYALOV, N.N.,
mayor meditsinskoy sluzhby; ZAGORUYCHENKO, V.S., kapitan
meditsinskoy sluzhby; VELICHKO, N.D., kapitan meditsinskoy
sluzhby

Mass investigation of troop replacements for carriage of
helminths. Voen.-med. zhur. no.4:83 Ap '61. (MIRA 15:6)
(WORMS, INTESTINAL AND PARASITIC)

ZAGORUYKO, A.A.; SINYAGOVSKIY, I.N.; KHARLANOV, V.A.; YAKUNIN, I.A.

Further developent of the oil-and-gas-bearing pool in
stratum B₁ of the Bakmet'yevskoye field. Trudy VNIING
no.2:65-70 '63. (MIRA 17:5)

BULATKIN, I.K.; ZAGORUYKO, A.A.; KHARLANOV, V.A.; CHERNYI, S.Ya.

Barrier flooding of level B_1 of the Bakhmet'yev field.
Nefteprom. delo no. 2:14-19¹ '64. (MIRA 17:4)

1. Zhirnovskoye neftepromyslovoye upravleniye i Volgogradskiy
nauchno-issledovatel'skiy institut neftyanoy i gazovoy promyshlennosti.

ZAGORUYKO, A.A.; SINYAGOVSKIY, I.M.; KHARLANOV, V.A.; YAKUNIN, I.A.

Further development of the oil and gas pool in reservoir B₁
of the Bakhmat'yevka oil field. Trudy VNIIG no.2:65-70 '63.
(MIRA 17:10)

KULAKOV, N.N.; ZAGORUYKO, A.S.

Improving the reliability of nonrepairable articles, their economic efficiency and time in which they pay for themselves. Izv. SO AN SSSR no.6. Ser. tekhn. nauk no.2:54-58 '65.

Determining the economic efficiency and profit return time for reconditioned systems in increasing their reliability. Ibid.:59-66

(MIRA 18:11)

1. Institut avtomatiki i elektrometrii Sibirskogo otdeleniya AN SSSR, Novosibirsk.

ZAGORUYKO, A.S. (Novosibirsk); KULAKOV, N.N. (Novosibirsk)

Selection of an optimal method for increasing the reliability of
nonrestorable devices according to a given value. Avtometriia
no.3:113-117 '65. (MIRA 19:1)

1. Submitted Feb. 26, 1965.

L 05865-67 EWP(k)/EWP(h)/EWT(d)/EWT(l)/EWP(v)/EWP(1) TC

ACC NR: AP6015325

(N) SOURCE CODE: UR/0410/65/000/003/0113/0117

AUTHOR: Zagoruyko, A. S. (Novosibirsk); Kulakov, N. N. (Novosibirsk)

44
13

ORG: none

TITLE: Choice of the optimal method of increasing the reliability of nonrestorable devices to a prescribed value

SOURCE: Avtometriya, no. 3, 1965, 113-117

TOPIC TAGS: cost estimate, system reliability, circuit reliability

ABSTRACT: The authors attempt to find an optimal (from the point of view of cost) method for increasing to a prescribed value P_H the reliability of a multi-component nonrestorable device (such as might be found in an information metering system), and to determine the proper interrelations between the reliability, cost, and number of redundant components. A critique is given of a previous work (N. A. Shishonok, V. F. Repkin, L. L. Barvinskly. Osnovy teorii nadezhnosti i ekspluatatsii radio-elektronnoy tekhniki. M., Izd-vo "Sovetskoye radio", 1964) which contains a somewhat different approach to the same problem. The method proposed in this paper seeks to determine the cost of a nonrestorable device, as reliability is increased, through the use of a mathematical model in which cost is represented as a function of reliability

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UDC: 621.3.019.3:621.37/39.003.13.004.15

L 05865-67

ACC NR: AP6015325

parameters. An example of the application of the method is included. Orig. art. has: 2 figures and 12 formulas. ①

SUB CODE: 09,14/ SUBM DATE: 26Feb65/ ORIG REF: 001

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Card 2/2

ACC NR: AP7002237 (A) SOURCE CODE: UR/0280/66/000/006/0064/0072

AUTHOR: Kulakov, N. N. (Novosibirsk); Zagoruyko, A. S. (Novosibirsk)

ORG: none

TITLE: Method for determining the optimum distribution of reliability between individual elements of a system

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 6, 1966, 64-72

TOPIC TAGS: reliability system, approximation method, quality control, reliability, system reliability

ABSTRACT: A method is proposed for solving two optimum problems through balancing the sensitivities in the individual element of the system for various cases of increasing their reliability. The concept of the sensitivity of the system is the basic concept of this method and was evaluated elsewhere (Breipol, A. M. Unique application of required component reliability. Proc. 7th Nat. Symposium on Reliability and Quality Control in Electronics. 1961, 1). When an exact solution

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ACC NR: AP7002237

of the problem cannot be obtained analytically, the method of successive approximations is proposed. In most cases only three steps are needed for a sufficient approximation of the results sought for. [Based on authors' abstract] [GC]

SUB CODE: 12, 10/SUBM DATE: 01Jul65/ORIG REF: 002/OTH REF: 001/

Card 2/2

ZAGORUYKO, A. T.

KIYAK, Grigoriy Stepanovich; ~~ZAGORUYKO, Amvrosiy Teodorovich~~

[Experience in growing spring wheat; practices of collective farms
in western provinces of the Ukraine] Desvid vyroshchuvannya iaroi
pshenytsi; vyrobnychoi praktyky kolhospiv zakhidnykh oblastei
Ukrainskoi RSR. Lviv, Knyzhkovo-zhurnal'ne vyd-vo, 1955. 55 p.
(Ukraine--Wheat) (MLRA 10:3)
(Ukraine--Collective farms)

ZAGORUYKO, A.T. [Zahoruiko, A.T.]

Effect of mineral fertilizers on the yield of spring wheat. Pratsi
Inst. agrobiol. AN URSS 7:31-36 '57. (MIRA 11:7)
(Wheat) (Fertilizers and manures)

ZAGORUYKO, A. T., CAND AGR SCI, "^{Effect}~~ACTION~~ OF MINERAL FERTI--
LIZERS ^{upon the} ~~ON~~ GROWTH, FORMATION OF ^{crop} ~~YIELD~~, AND IMPROVEMENT OF ^{the}
QUALITY OF SPRING WHEAT GRAIN UNDER CONDITIONS OF L'VOV-
SKAYA OBLAST." KIEV, 1961. (MIN OF AGR UKSSR, UKRAINIAN
ACAD OF AGR SCI). (KL, 3-61, 225).

POLOVIK, G.S.; ZAGORUYKO, A.V.

Improvement of public services and amenities in residential areas. Gor.khoz.Mosk. 36 no.7:23-24 J1 '62. (MIRA 16:1)

1. Nachal'nik zhilishchno-ekspluatatsionnoy kontory No.15 Krasnopresnenskogo rayonnogo zhilishchnogo upravleniya, Moskva (for Polovik). 2. Zaveduyushchiy tekhnicheskim kabinetom kontory No.15 Krasnopresnenskogo rayonnogo zhilishchnogo upravleniya, Moskva (for Zagoruyko).
(Moscow--Street-cleaning machinery)

YERMILOV, A.V., gornyy inzh.; ZAGORUYKO, G.K., gornyy inzh.

Magnitude of advance in stripping operations at the Ufaley
open-pit mines. Gor. zhur. no. 12:19-22 D '65. (MIRA 18:12)

1. Ufaleyskiy nikelovyy kombinat.

ZAGORUYKO, I.F.

Change in the switching-in circuit for a quick-response anode relay. Elek.i tepl.tiaga. 4 no.6:19-20 Je '60.

(MIRA 13:8)

1. Nachal'nik tyagovoy podstantsii Saray-Gir Kuybyshevskoy dorogi.

(Electric substations)

(Electric relays)

KOZLOV, K.D.; prínimali uchastiye: ZAGORUYKO, K.Ye.; ROZOVA, Z.I.; BULATETS-
KAYA, T.P.; TREYSTER, F.Z.; SHCHUKINA, T.M.; ZAYTSEVA, N.Ye.; KHYLO-
VA, L.S.; AMEL'YAN, G.Ye.; BAYDAKOV, N.N.; RYZHKOV, A.H., red.; ME-
MESHKINA, L.I., tekhn. red.

[Economy of Sakhalin Province; statistical collection] Narodnoe kho-
ziaistvo Sakhalinskoi oblasti; statisticheskii sbornik. Uzhno-Sa-
khalinsk, Sakhalinskoe knizhnoe izd-vo, 1960. 103 p. (MIRA 14:6)

1. Sakhalin (Province) Statisticheskoye upravleniye. 2. Kollektiv
rabotnikov Statisticheskogo upravleniya Sakhalinskoy oblasti (for
all except Ryzhkov, Memeshkina). 3. Nachal'nik Statisticheskogo
upravleniya Sakhalinskoy oblasti (for Kozlov)
(Sakhalin—Statistics)

BELEVTSSEV, Ya.N.; KALYAYEV, G.I.; ZAGORUYKO, L.G.; SKURIDIN, S.A.; STRYGIN, A.I.;
FEDIUSHIN, S.I.; FOMENKO, V.I.

Krivoy Rog-Kremenchug metallogenic zone. Geol.rud. mestorozh. no.6:
3-11 N-D '60. (MIRA14:3)

1. AN USSR, Geologicheskiiy institut, Kiyev.
(Ukraine—Ore deposits)

BLELVTSEV, Ya.N.; ZAGORUYKO, L.G.; KALIAYEV, G.I.; MOLIYAVKO, G.I.; SKURIDIN, S.A.;
STRYGIN, A.I.; FEDYUSHIN, S.Ye.; POMENKO, V.Yu.

Metalligenetic features of the Ukrainian iron-ore province. *Zakonozh.*
razm. polezn. iskop. 5:82-109 '62. (MIRA 15:12)

1. Institut geologicheskikh nauk AN Ukrainskoy SSR.
(Ukraine—Ore deposits)

BELEVTSSEV, Ya.N.; FOMENKO, V.Yu.; NOTAROV, V.D.; MOLYAVKO, G.I.; MEL'NIK, Yu.P.; SIROSHTAN, R.I.; DOVGAN', M.N.; CHERNOVSKIY, M.I.; SHCHERBAKOVA, K.F.; ZAGORNIKO, L.G.; GOBOSHNIKOV, B.I.; AKIMENKO, N.M.; SEMERGEYEVA, Ye.A.; KUCHER, V.N.; TAKHTUYEV, G.V.; KALYAYEV, G.I.; ZARUBA, V.M.; NAZAROV, P.P.; MAKSIMOVICH, V.L.; STRUYEVA, G.M.; KARSHENBAUM, A.P.; SKARZHINSKAYA, T.A.; CHEREDNICHENKO, A.I.; GERSHOYG, Yu.G.; PITADE, A.A.; RADUTSKAYA, P.D.; ZHILKINSKIY, S.I.; KAZAK, V.M.; KACHAN, V.G.; STRYGIN, A.I., red.; LADIYEVA, V.D., red.; ZHUKOV, G.V., red.; YSPATKO, Yu.M., red.; SHCHERBAKOV, B.D., red.; SLENZAK, O.I., red. izd-va; RAKHLINA, N.P., tekhn. red.

[Geology of Krivoy Rog iron-ore deposits] Geologia Krivorozhskikh zhelezorudnykh mestorozhdenii. Kiev, Izd-vo Akad. nauk USSR. Vol.1. [General problems in the geology of the Krivoy Rog Basin. Geology and iron ores of the deposits of the "Ingulets," Rakhmanovo, and Il'ich Mines] Obshchie voprosy geologii Krivbassa. Geologicheskoe stroenie i zheleznye rudy mestorozhdenii rudnikov "Ingulets," Rakhmanovskogo i im. Il'icha. 1962. 479 p.
(Krivoy Rog Basin—Mining geology) (MIRA 16:3)
(Krivoy Rog Basin—Iron ores)

AYZENBERG, D.Ye.; BELEVTSSEV, Ya.N.; BORDUNOV, I.N.; BORISENKO, S.T.;
BULKIN, G.A.; GORLITSKIY, B.A.; DOVGAN', M.N.; ZACORUYKO,
L.G.; KAZAKOV, L.R.; KALYAYEV, G.I.; KARASIK, M.A.; KACHAN,
V.G.; KISELEV, A.S.; LAGUTIN, P.K.; LAZARENKO, Ye.K.;
LAZARENKO, E.A.; LAPITSKIY, E.M.; LAPCHIK, F.Ye.; LAS'KOV,
V.A.; LEVENSHTEYN, M.L.; MALAKHOVSKIY, V.F.; NITKEYEV, M.V.;
PRUSS, A.K.; SKARZHINSKIY, V.I.; SKURIDIN, S.A.; SOLOV'YEV,
F.I.; STRYGIN, A.I.; SUSHCHUK, Ye.G.; TEPLITSKAYA, N.V.;
FEDYUSHIN, S.Ye.; FOMENKO, V.Yu.; SHKOLA, T.N.; SHTERNOV,
A.G.; YAROSHCHUK, M.A.; ZAVIRYUKHINA, V.N., red.

[Problems of metallogeny in the Ukraine] Problemy metallo-
genii Ukrainy. Kiev, Naukova dumka, 1964. 254 p.
(MIRA 18:1)

1. Akademiya nauk URSR, Kiev. Instytut geologichnykh nauk.

ZAGORUYKO, L.M.

Absorption of radioactive phosphate from the abdominal cavity
in acute peritonitis. Pat. fiziol. i eksp. terap. 8 no.6:22-24
N-D '64. (MIRA 18:6)

1. Kafedra patologicheskoy fiziologii (zav. - prof. N.M. Tran-
kvilitati) Donetskogo meditsinskogo instituta imeni Gor'kogo.

ZAGORUYKO, L.P., kand.tekhn.nauk

Method of determining the dose of electrolyte in electrochemical
stabilization of flooded loams. Nauch. zap. Ukrniiproekta no.2:
65-82 '60. (MIRA 15:1)

(Soil stabilization)

ZAGORUKO, L.P., kand.tekhn.nauk; TITARENKO, A.I., inzh.

Studying the efficiency of some drilling rigs and bits in
sinking shafts and large-diameter holes. Nauch.zap. Ukrniiproekta
no.3:69-91 '60. (MIRA 14:12)

(Boring)
(Shaft sinking)

ZAGORUYKO, L. P.: Master Tech Sci (diss) -- "Investigation of the electrochemical reinforcing of damp argillaceous soil when driving vertical mine workings through it". Kiev, 1953. 16 pp (Min Higher Educ Ukr SSR, Kiev Order of Lenin Polytech Inst, Chair of Mine Construction), 100 copies (KL, No 6, 1959, 133)

ZAGORUYKO, L.P.; VASIL'YEV, B.G., kand.tekhn.nauk; TITARENKO, A.I., inzh.

Industrial testing of the TM-0,85 boring machine. Ugol'.prom.
no.3:71-75 My-Je '62. (MIRA 18:3)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut
ugol'noy, rudnoy, neftyanoy i gazovoy promyshlennosti UkrSSR.

ZAGORUYKO, L.P., kand.tekhn.nauk

Feasibility of electro-osmotic drainage of certain soils in
the Lvov-Volyn coal basin. Ugol' Ukr. 4 no.2:14-17
F '60. (MIRA 13:6)
(Lvov-Volyn Basin--Mine drainage)
(Electrocosmosis)

ZAGORUYKO, L.P., kand. tekhn. nauk

Methods of calculating and compiling profiles of waste disposal
dumps. Nauch. zap. Ukrniiproekta no.10:5-16 '63.

Effect of the composition of rock mixtures on the stability
of rock disposal dumps. Ibid.:17-24 (MIRA 17:6)

FROLOV, A.; MISHUROV, N.; GORODNICHENKO, I.; ZAGORUYKO, M.; AMETSHAYEV, I.

The virgin lands should have fully qualified machine-operating personnel.
Prof.-tekh. obr. 18 no.1:1-2 Ja '61.
(ICRKA 14:2)

1. Direktor Uchilishcha mekhanizatsii sel'skogo khozyaystva No.35 Severo-Kazakhstanskoy oblasti (for Frolov).
 2. Direktor Uchilishcha mekhanizatsii sel'skogo khozyaystva No. 47 Tselinnogo kraya (for Mishurov).
 3. Direktor Uchilishcha mekhanizatsii sel'skogo khozyaystva No.13 Zapadno-Kazakhstanskoy oblasti (for Gorodnichenko).
 4. Direktor Uchilishcha mekhanizatsii sel'skogo khozyaystva No. 76 Kustanayskoy oblasti (for Zagoruyko).
 5. Direktor Uchilishcha mekhanizatsii sel'skogo khozyaystva No.23 Alma-Atinskoy oblasti (for Ametschayev).
- (Kazakhstan—Farm mechanization—Study and teaching.)

ZAGORUYKO, N.G.

Field of the head for magnetic recording on a wire sound
carrier. Trudy LII no. 5:45-51 '59. (MIRA 13:12)

1. Kafedra zvukotekhniki Leningradskogo instituta kinoinzhenerov.
(Magnetic recorders and recording)

ZAGORUYKO, N.G.; ROZENBERG, V.I.; KOBKOVA, V.I., red.

[Computation of the fields of magnetic heads by an electronic computer] Raschet poloi magnitnykh golovok na elektronnoi vychislitel'noi mashine. Novosibirsk, Akad. nauk SSSR Sibirskoe otdnie. In-t matem. s Vychislitel'nym tsentrom, 1961. 31 p.

(MIRA 15:6)

(Magnetic recorders and recording)

YELKINA, V.N.; ZAGORUYKO, N.G.

Present-day status of computer technology abroad. Vych. sist. no.1:3-34
'62. (MIRA 18:1)

ZAGORUYKO, N. G.

Dissertation defended for the degree of Candidate of Technical Sciences
at the Joint Scientific Council on Physicomathematical and Technical Sciences;
Siberian Branch

"Investigation of Bit Heads and Effect of Torsion Upon Recording Magnetically
on a Wire Conductor."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

ZACORUYKO, N.G.; VOLOSHIN, G.Ya.; YELKINA, V.N.

Automatic cognition of sound images (survey of literature).
Vych. sist. no.14:3-30 '64. (MIRA 18:3)

ZAGORUYKO, N.G.

Evaluation of information quantity limit in a distinguishable
signal. Vych. sist. no.14:39-48 '64. (MIRA 18:3)

L 08987-67 EWT(d)/EWP(1) IJP(c) BB/GG

ACC NR: AR6027482

SOURCE CODE: UR/0044/66/000/005/V052/V053

AUTHOR: Voloshin, G. Ya.; Zagoruyko, N.G. 57

TITLE: Utilization of two dimensional spectra in automatic pattern recognition

SOURCE: Ref. zh. Matematika, Abs. 5V376

REF SOURCE: Sb. Vychisl. sistemy. Vyp. 19. Novosibirsk, 1965, 3-11

TOPIC TAGS: pattern recognition, spectrum analysis, computer technique

ABSTRACT: The authors cite certain properties of multidimensional spectra such as noise immunity, spectrum amplitude independence of coordinate translation, and the simplicity of rotation invariants selection. Computer experiments are described in which the two-dimensional spectra of simple patterns and hand-drawn figures are calculated by estimating the Euclidian distances between the references constructed on the basis of these calculations (for the purpose of selection training) and descriptions of recognizable control patterns. The results (66% of hand-written figures were recognized) are considered preliminary because of extremely limited amount of statistical data. [Translation of abstract] 3 illustrations and bibliography of 4 titles. V. G. P.

SUB CODE: 09

Card 1/1 nst

UDC: 51:681.14:155

L 07394-67 ENT(d)/EWP(1) IJP(o) BB/GG

ACC NR: AR6028116

SOURCE CODE: UR/0372/66/000/005/G018/G018

AUTHOR: Zagoruyko, N. G.

41
13

TITLE: Linear determinant functions proximate to optimal ones

SOURCE: Ref. zh. Kibernetika, Abs. 5G126

REF SOURCE: Sb. Vychisl. sistemy. Vyp. 19. Novosibirsk, 1965, 67-76

TOPIC TAGS: linear function, function analysis, *PATTERN RECOGNITION*

ABSTRACT: It is shown that principles of accepting solutions based on the use of determinant functions (hyperplanes) and the equipment realizing such principles can be simplified by accepting an increase in the error risk of insignificant magnitude. A study is made of an example of recognition of k patterns involving assumptions that distribution of pattern realization in a multidimensional selection space is known previously to comply with the standard principle with a mathematical expectation $\mu_i (1 \leq i \leq k)$, that covariation matrices are unique for all samples, a priori probabilities q_i of occurrence of all patterns are identical, $q_i = \frac{1}{k} (1 \leq i \leq k)$. A method is given for minimizing the number of hyperplanes to quantity N (lesser quantity of optimal hyperplanes θ) in a manner insuring a minimal anticipated error risk at arbitrary N. Such new hyperplanes are termed proximate to optimal. [Translation of abstract] 3 illustrations and bibliography of 5 titles. V. S.

SUB CODE: 12

Card 1/1 LS

UDC: 62-506:621.391.193

BARANNIK, V.P., doktor khimicheskikh nauk; ZACORNYKO, N.K., kandi.
khimicheskikh nauk; POLULYAKHOV, Ye.N., IZM.

Inhibitor and lubrication used in cold working of metals.
Mashinostroenie no.2:70-71 M-Ap '65. (MIRA 18:6)

ZAGORYKO, N.V.

Effect of a constant electric field and a pulse magnetic field on
the motion of dislocations in sodium chloride. Kristallografiia 10
no.1:81-86 Ja-F '65. (MIRA 18:3)

I. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

ZAGORUYKO, N.V.; KOKIN, G.A.

Accommodation of air in tungsten filaments and the radiation
coefficient of tungsten. Trudy TSAO no.42:119-135 '62.

(MIRA 15:12)

(Tungsten—Thermal properties)

L 36405-66 EWT(m)/T/EWP(t)/ETI LJP(c) JD/JG

ACC NR: AP6015773

SOURCE CODE: UR/0070/66/011/003/0425/0433

AUTHOR: Zagoruyko, N. V.ORG: Moscow State University imeni M. V. Lomonosov (Moskovskiy gosudarstvennyy universitet)TITLE: The mechanism of dislocation motion in NaCl under the action of a constant electrical field

SOURCE: Kristallografiya, v. 11, no. 3, 1966, 425-433

TOPIC TAGS: sodium chloride, crystal dislocation phenomenon, electric field, etched crystal, impurity content, temperature dependence

ABSTRACT: Three types of NaCl crystals were used having different dislocation densities N , yield points σ^* and concentrations of divalent impurities c : NaCl I-- $N=10^4$ cm^{-2} , $\sigma^*=110$ g/mm^2 and $c=9 \cdot 10^{-2}\%$; NaCl II-- $N=10^4$ cm^{-2} , $\sigma^*=320$ g/mm^2 and $c=3 \cdot 10^{-2}\%$; NaCl III-- $N=10^5$ cm^{-2} , $\sigma^*=900$ g/mm^2 . Dislocations could be observed after etch pitting with ethyl alcohol saturated with cadmium oxide. Two electric field strengths were used: $E_1=7.5 \cdot 10^3$ v/cm and $E_2=3.5 \cdot 10^4$ v/cm . The number and path length of mobile dislocations (moving with (n_1) and against (n_2) the fields) increased with the duration of the applied field (τ_E). In NaCl, the dislocations usually possess a positive

UDC: 548.4

Card 1/3

L 36405-66

ACC NR: AP6018773

charge. The total number of moving dislocations was given by $n=n_1 + n_2$; n increased with the magnitude of the field and with the strength coefficient $k(\sigma^*)$. The dependence $n=f(\sigma^*, E)$ was given by the empirical formula $n=AE/\sigma^*$, where A is constant. For n_1 , the empirical relation $n_1=9+0.2\tau_E$ was given; the change in n_2 with τ_E was negligible. A schematic diagram of the crystallography of NaCl and the crystal directions for dislocation motion was given. The path lengths for NaCl II were always less than for NaCl I since the number of obstacles in NaCl I was less. Difficulties in measuring the sign of the charged dislocations were discussed and the author used several methods in order to crosscheck. The distribution of the mobile dislocations in the cross section of the samples and the differences in mobilities across the cross section were nonuniform. At the edges the densities were 1.5 times higher and most of the motion took place in a thin surface layer 100-200 μ thick. The temperature dependence (20°-90°C) of n was different for NaCl I and NaCl II. For NaCl I:

$$\frac{n_{1\max}(T = 30^\circ \text{C})}{n_1(T = 20^\circ \text{C})} = 7, \quad \frac{n_{2\max}(T = 30^\circ \text{C})}{n_2(T = 20^\circ \text{C})} = 5$$

while for NaCl II:

$$\frac{n_{1\max}(T = 60^\circ \text{C})}{n_1(T = 20^\circ \text{C})} = 20, \quad \frac{n_{2\max}(T = 60^\circ \text{C})}{n_2(T = 20^\circ \text{C})} = 15.$$

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L 36405-66

ACC NR: AP6018773

The path lengths for both crystals increased linearly with temperature with NaCl I being 4μ higher for all temperatures. The author thanks Prof. Ye. G. Shvidkosky for constant interest in the work and discussion of the results and Ye. D. Shukin for counsel and guidance. Orig. art. has: 6 figures, 3 tables, 2 formulas.

SUB CODE: 20,11/ SUBM DATE: 18May65/ ORIG REF: 007/ OTH REF: 009

Card 3/3 / 11/11

ZAGORUYKO, O.A.

MEYMAN, P.A.; ZAGORUYKO, O.A.

Fangothrapy of rheumatism with articular and cardiac lesions at
the Lipetsk health resort. Klin. med. 32 no.10:49-52 O '54.

(MIRA 8:1)

1. Iz Lipetskogo kurorta (dir. N.P.Svitin, konsul'tant dotsent
fakul'tetskoy terapevticheskoy kliniki Voronezhskogo meditsinskogo
instituta S.B. Spashteyn)

(MUD THERAPY, in various diseases,
rheum.heart dis. & rheum. arthritis)

(ARTHRITIS, RHEUMATOID, therapy,
mud ther.)

(RHEUMATIC HEART DISEASE, therapy,
mud ther.)

ORZHEROVSKIY, M.; ZAKHARCHUK, O.; ZAGORUYKO, V., inzh.-konstruktor

Electrochemical salt removal from sea water. Hor. flot 20 no.9:24-
26 S '60. (MIRA 13:10)

1. Nachal'nik basseynovoy laboratorii Chernomorskogo parokhodstva (for Orzherovskiy).
2. Starshiy inzhener-konstruktor konstruktor-skego byuro Chernomorskogo parokhodstva (for Zakharchuk).
3. Konstruktor-skoye byuro Chernomorskogo parokhodstva (for Zagoruyko).
(Sea water) (Electrochemistry)

ORZHEROVSKIY, M., inzh.; ZAKHARCHUK, O., inzh.; ZAGORUYKO, V., inzh.

First marine unit for electrochemical distillation of sea water.
Mor.flot 19 no.6:28-30 Je '59. (MIRA 12:9)

1. Chernomorskoye parokhodstvo.
(Sea water, Distillation of) (Ships--Equipment and supplies)

TARABRIN, van Vasil'yevich; KAZAVCHINSKIY, Ya.Z., prof., doktor
ekhn. nauk, retsenzent; ZAGORUYKO, V.A., inzh.,
retsenzent; SANCYLOVICH, I.A., red.

[Ship air-conditioning systems] Sudovye ustanovki kondi-
tsionirovaniia vozdukh. Moskva, Transport, 1964. 161 p.
(MIRA 17:11)

ZAGORUYKO, V.A.; FOKINA, N.I.

Stratigraphy of the Upper Cretaceous spore-pollen complexes of the
Kyzyl Kum. *Biul. MOIP. Otd. geol.* 40 no.4:67-74 J1-Ag '65.
(MIRA 18:9)

ZAGORUYKO, V.A., inzh.

Use of a refrigerating machine for air dehumidifying in holds.
Khol.tekh. 40 no.2:27-32 Kr-Ap '63. (MIRA 16:4)

1. Odesskiy institut inzhenerov morskogo flota.
(Ships--Air conditioning)

ZAGORUL'KIN, Vasilii Afanas'yevich; MEN'KO, Pavel Aleksandrovich;
PEREPETKIN, Dailriy Fedorovich; MAKAROVA, E.A., red.;
SHIKIN, S.T., tekhn. red.

[Permanent production councils] Postoianno deistvuiushchie
proizvodstvennye soveshchania. 2., perer. izd. Moskva,
Profizdat, 1961. 63 p. (Bibliotekha profsoiuznogo akti-
vista, no.3) (MIRA 16:4)
(Industrial management) (Agricultural administration)

ZAGORUYKO, V.A.; FOKINA, N.I.

Mesozoic sediments of the Akkyr well in the eastern Ural Mountain
region. Trudy VNIGNI no.35:284-287 '61. (MIRA 16'7)
(Ural Mountain region--Geology, Stratigraphic)

NOVIKOV, A.G.; SINITSYN, F.Ye.; ZAGORUYKO, V.A.

Geology, prospects for finding oil and gas, and trends in geologic
studying of the Kyzyl Kum. Izv. AN Kazakh. SSR. Ser. geol. no. 5:16-26
'62. (MIRA 15:12)

(Kyzyl Kum--Geology, Economic)

KOZYAR, L.A.; ZAGORUYKO, V.A.

Results of the palynological analysis of Maykop sediments in the
cross section of the Bulganak well 1 (Creimea). Trudy VNIIGAZ
no.7:102-111 '59. (MIRA 13:5)
(Crimea--Palynology)

ZAGORYANSKAYA, Valentina Aleksandrovna

[Anatomy, physiology, and practical methods for the investigation
of the cochlear and vestibular analyzers] Anatomia, fiziologija
i prakticheskie metody issledovaniia kokhearnogo i vestibuliarnogo
analizatorov. Moskva, Medgiz, 1958. 102 p. (MIRA 13:4)
(EAR--ANATOMY)

ZAGORUYKO, V.A., assistant

Conditions of heat and mass exchange during the conditioning
of certain cargoes. Ekon. i ekspl. mor. transp. no.1:7:1-81 '63.
(MIRA 17:8)

1. Odesskiy institut inzhenerov morskogo flota.

ZAGORYANSKAYA, V.A., doktor med.nauk

Water in the ear. Zdorov'e 5 no.7:30 J1 '59. (MIRA 12:11)
(EAR--CARE AND HYGIENE)

DIKENSHEYN, G. Kh.; ZAGONNYKO, V.A.; SINITSMN, F. Ye.

Prospects for finding oil and gas in the Kyzyl Kum. Sov. geol.
7 no.5:67-74 My '64 (MIRA 13:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy
neftyanoy institut.

ZAGORUYKO, V.I.; DANILOV, L.N., red.

[Tooth and worm gears] Zubchatye i cherviachnye peredachi.
Moskva, Vysshaya shkola, 1964. 182 p. (MIRA 18:1)

ZAGORYANSKAYA, V.A., doktor meditsinskikh nauk

Our voice. Zdorov'e 3 no.8:10-12 Ag '57.
(VOICE—CARE AND HYGIENE)

(MIRA 10:9)

32223

S/139/61/000/004/016/023

E032/E314

24,7700 (1136, 1160, 1164)

AUTHORS: Zagoryanskaya, Ye.V. and Kireyev, P.S.

TITLE: Determination of the optical constants of thin films
by interferometric methods

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. FIZIKA
no. 4, 1961, 124-133

TEXT: The present authors report an analysis of the effect of interference on absorption measurements. It is shown that interference patterns can be used in the rapid determination of the reflection coefficient, the refractive index, the absorption coefficient, the phase change on reflection and the frequency dependence of all these quantities. The authors look upon a thin film as a Fabry-Perot element and derive a general expression for the transmitted intensity by summing-up the multiply-reflected waves in the usual way. The general analysis is then applied to a) non-absorbing films, b) absorbing films, and c) films deposited onto a glass base. Formulas are derived which can be used in conjunction with measurements on the interference patterns in order to deduce the optical constants of thin films.
Card 1/2

Determination of the optical

32223
S/139/61/000/004/016/023
E052/E314

Acknowledgments to Assistant A.M. Gulyayev and L.P. Pavlov who supplied the germanium films which were used in an experimental check on the theory. There are 3 figures and 3 Soviet references.

ASSOCIATION: IAA im. Dzerzhinskogo (IAA im. Dzerzhinskiy)
Moskovskiy energeticheskiy institut
(Moscow Power-engineering Institute)

SUBMITTED: January 28, 1960 (initially)
February 6, 1961 (after revision)

4

Card 2/2

32227
S/139/61/000/004/022/023
E032/E314

26.2331

AUTHORS: Zagoryanskaya, Ye.V. and Kireyev, P.S.

TITLE: Application of the Doppler effect to the study of phenomena in gas-discharge plasma

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Fizika, no. 4, 1961, 163 - 167

TEXT: The authors discuss the influence of the Doppler effect on the profiles of spectral lines emitted by gas-discharge plasma. Two special cases are considered, namely -
a) the case of a uniformly expanding or contracting plasma, where the ion velocities at a distance r from the axis of the chamber are given by:

$$v_r = \frac{V_0}{R_0} r$$

where V_0 and R_0 are the maximum values of the velocity and the radius of the cylinder of plasma at a given instant of time, X
Card 1/3