BOGATYRLY, Yu.M., inzh.

Using the friction method for making passages in pipelines.
Transp.stroi. 9 no.3:38-39 Mr '59. (MIRA 12:4)
(Pipelines)

BOGATYROV, Ye. Ye

35192
S/185/62/007/002/004/
D299/D302

5.5460

AUTHORS: Yahola, H.K., and Bohatyr'ov, Ye.Ye.

TITLE: Determining paramagnetic resonance frequency ratio of lithium nuclei and protons

PERIODICAL: Ukrayins'kiy fizychnyy zhurnal, v. 7, no. 2, 1962, 145 - 147

TEXT: The paramagnetic resonance-frequency ratio f_{Li^7}/f_p was determined by a method which is simple and eliminates the effect of instabilities of the magnetic field and of other factors. The specimen used was a concentrated aqueous solution of LiCl with an addition of 0.15 M $FeCl_3$ as a paramagnetic catalyzer. The specimen was kept in a thinwalled glass container 25 mm long and 3 mm in diameter. The autodyne detector coil of the measuring device was wound directly on the container. The resonance of the lithium nuand protons was observed on one and the same specimen; therecodyne detector could be tuned to either the resonance lithium nuclei or to that of the protons. The measure-

Determining paramagnetic resonance ...

ments were conducted in a permanent magnetic field H_o = 2350 oersted (f_p = 10 Mcycles, f_{Li^7} = 3.9 Mcycles). The inhomogeneity of the magnetic field inside the specimen, did not exceed 0.05 oersted. The frequency was measured by the electronic frequency meter 43 -1 (ChE-1). In order to take into account the drift of the magnetic field-strength, the measurements were made at equal time intervals, whereby the resonance frequencies of the nuclei and of the protons were measured alternatively, one after another. The mean value of the frequency ratio, obtained from a series of 10 measurements, was f^7_{Li}/f_p = 0.3886357 + 0.0000016, which is in good agreement with the results of other investigators. There are 3 tables and 7 references: 1 Soviet-bloc and 6 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: W.C. Dickinson, Phys. Rev., 81, 717, 1951; F. Bitter, Phys. Rev., 75, 1326, 1949; Siegbahn, G. Lindstrom, Nature, 163, 211, 1949; T. Kanda, Y. Masuda, R. Kusaka, Y. Yamagata, J. Itoh, Phys. Rev., 85, 938, 1952.

Card 2/3

BOGATYUK, M.A.

Rooting capacity and growth of trees on collector networks of the Vakhsh Valley. Trudy AN Tadzh SSR 97:279-294 '58.
(MIRA 13:4)

(Vakhsh Valley--Trees)
(Irrigation canals and flumes)

BOGATYUK, M.A.

Studying the root systems of woody plants along drainage channels in the Bakhsh Valley. Izv.Otd.est.nauk AN Tadzh. SSR no.2:101-114 '59. (MIRA 13:4)

1. Institut botaniki AN Tadzhikskoy SSR.
(Bakhsh Valley--Trees) (Roots(Botany))

LINNIKOV,, Nikolay Petrovich [Lynnikov, M.P.]; OSMOLOVSKIY, Yevgeniy Yakovlevich [Osmolovs'kyi, IE.IA.]; BOGATYY, G.A. [Bohatyi, H.A., translator]; BOGATAYA, L.M. [Bohataia, L.M.], red.

[Continuous production of butter; engineering and economic efficiency] Potochnoe proizvodstvo slivochnogo masla; tekhniko-ekonomicheskaia effektivnost'. Moskva, Pishchevaia promyshlennost', 1964. 55 p. (MIRA 18:3)

LESHCHINSKAYA, I.B.; BOGAUTDINOV, Z.F.

Nucleases of Serratia marcescens. Mikrobiologiia 32 no.3: 412-415 My-Je '63 (MIRA 17:3)

1. Kazanskiy gosudarstvennyy universitet.

KUNTSEVICH, O.V.; ALEKSANDROV, P.Ye.; RATINOV, V.B.; ROSENBERG, T.I.; BOGAUTDINOVA, G.G.

Theory of setting of gypsum cements. Dokl.AN SSSR 104 no.4:587-588 O '55. (MLRA 9:2)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut zhelezobetonnykh izdeliy i nerudnykh materialov i Leningradskiy institut inzhenerov zheleznodorozhnogo transporta imeni V.N.Obraztsova. Predstavlena akademikom P.A.Rebinderem.
(Gypsum)

ALEKSANDROV, P.; BOGAUTDINOVA, G.; KUNTSEVICH, S.; RATIONOV, V.; ROZENBERG, T.; STALIKOVA, G.

New methods of testing building and molding gypsum. Stroi.mat., izdel.i konstr. 2 no.5:31-33 My '56. (MLRA 9:8)
(Gypsum--Testing)

BOGAUTDINOVA, G.O.

Rheological study of the setting processes of gypsum. V. B. Ratinov, T. L. Rosenberg, G. O. Bogautdinova, and G. D. Stalikova (Sci. Research Inst. Reinforced Concrete and Non-Ore Materials, Moscow). *Kolloid. Zhur.* 18, [illegible] Setting of gypsum [illegible] ... flow at high stresses. Finally the [illegible] model. J. J. Bikerman

1-nauchno-issledovatel'skiy inst. zhelezobetonnykh izdeliy i nerudnykh materialov, Moskva.
(Gypsum) (Rheology)

BOGAUTDINOVA, G. (G.),

USSR/Chemical Technology. Chemical Products and Their Application -- Silicates. Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5283

Author: Aleksandrov, P., Bogautdinova, G., Kuntsevich, S., Ratinov, V., Rozenberg, T., Stalikova, G.

Institution: All-Union Scientific Research Institute of Reinforced Concrete, Leningrad Institute of Railroad Transport

Title: New Testing Methods for Building and Molding Gypsum

Original Publication: Stroit. materialy, izdeliya i konstruktsii, 1956, No 5, 31-33

Abstract: Work conducted by VNIIZhelezobeton and the Leningrad Institute of Railroad Transport, has shown that termination of the processes of hydration and crystallization of gypsum coincide in time. The hardening process is divided into two periods: end of the first is determined, not accurately, by means of the needle of Vick, as "termination of setting," and the end of the second (13-17 minutes) is the "end of crystallization." It is appropriate to evaluate the kinetics of hardening (setting time, end of crystallization) from the value of exothermy or volumetric changes.

Card 1/1

RATINOV, V.B.; ROZENBERG, T.I.; BOGAUTDINOVA, G.G.

Investigation of mineral binding materials in an automatic capillary viscosimeter. Zav.lab. 22 no.6:743-745 '56. (MLRA 9:8)

1. Vsesoyuznyy gosudarstvennyy nauchno-issledovatel'skiy institut Zhelezobetonnykh izdeliy i nerudnykh materialov.
(Gypsum) (Binding materials) (Viscosimeter)

SOV/124-58-5-6196

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p 161 (USSR)

AUTHORS: Bogautdinova, G.G., Ratinov, V.B., Rozenberg, T.I., Smirnova, I.A., Stalikova, G.D.

TITLE: Effect of Some Organic and Nonorganic Additives on the Plastic Properties of Gypsum (Vliyaniye nekotorykh organicheskikh i neorganicheskikh dobavok na plasticheskiye svoystva gipsa)

PERIODICAL: Sb. tr. Vses. n.-i. in-ta zhelezobeton. izdeliy i nerudn. materialov, 1957, Nr 1, pp 71-78

ABSTRACT: Bibliographic entry

1. Gypsum--Plasticity 2. Organic materials--Performance 3. Inorganic materials--Performance

Card 1/1

BOGAUTDINOVA G.

RATINOV, V.; KONSTANTINOV, A.; ROZENBERG, T.; BOGAUTDINOVA, G., STALIKOVA, G.

New device for measuring plasticity of binding materials. Stroi.mat. 3 no.2:30-31 F '57. (MLRA 10:3)
(Viscosimeter) (Binding materials)

BOGAVAC, B.

BOGAVAC, B. Basic problems of our transportation. p. 273.

Vol. 11, No. 8, Aug. 1955.
ZELEZNICE
TECHNOLOGY
Beograd, Yugoslavia

So: East European Accessions, Vol. 5, May 1956.

BOGAVAC, B.

Fundamental problems of our transportation. p. 1485

TEHNIKA, Beograd, Vol 10, No. 10, 1955

SO: EEAL, Vol 5, No. 7, July 1956

BOGAVAC, B.

Ten years of Yugoslav railraods. p. 1

ZELEZNICE, Beograd, Vol 12, No. 1, Jan., 1956

SO: EEAL, Vol 5, No. 7, July, 1956

BOGAVEC, B.

For a better cooperation between the economy and railroads, p. 1

ZELEZNICE (Zeleznicki institut GDJZ) Beograd, Yugoslavia.
Vol. 15, no. 5, May 1959

Monthly List of East European Accessions EEAI LC, Vol. 8, no. 6, June 1959
Uncla.

BOGAVAC, Blagoje

Some problems connected with processes of transport integration.
Medun transp 8 no.11:758-760 N '62.

BOGAVAC, Blagoje (Beograd, Narodnog fronta 66/II)

Self-management on public highways; some experiences. Tehnika Jug 18 no.10: Supplement: Saobracaj 10 no.10:1945-1952 0'63.

1. Drzavni podsekretar Saveznog sekretarijata za saobracaj i veze, Beograd.

BOGAVAC, Blagoje

An outline of certain elements in the transport policy of Yugoslavia. Zeleznice Jug 19 no.1:1-8 Ja '63.

BOGAVAC, B.

First results of the changes in the operation of overseas transport services. Medun transp 10 no. 6:396-405 Je '64.

BOGAVAC, Blagoje

Importance of a law on construction, transportation, and safety on railroads. Medun transp 10 no.12:13-15 D '64.

YUGOSLAVIA / General and Special Zoology. Insects. Biology and Ecology. P

Abs Jour: Ref Zhur-Biol., No 14, 1958, 63996.

Author : Bogavac, M.
Inst : Not given.
Title : Hyposoter fugitivus fugitivus Say -- the Primary Parasite of the White Moth.

Orig Pub: Zashtita bil'a, 1956, 37, 29-46.

Abstract: A detailed morphological description of all development phases and biology of H. fugitivus (Ichneumonidae) - the parasite of the III generation caterpillars. Viviparity, previously unknown in ichneumonides, is noted, side by side with egg laying, containing mature embryos. The development cycle takes 15-20 days at 25°. Prior to egg-laying, the females pierce about half of the

Card 1/2

BOGAYAVLENSKIY, N. A.

33616 Pishchevaya Sanitariya V Russkoy Armii I Flote V petrovskuyu Epokhu. Gigiyena I Sanitariya, 1949, No. 10, C. 50-53

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

BOGAYAVLENSKIY, N.A., doktor meditsinskikh nauk (Leningrad 8, Pr.Maklina, d.45, kv.10)

History of origin and development of the views of the Russian people on neoplastic diseases; review of literature of the 11th-17th centuries. Vop.onk. 1 no.4:106-111 '55. (MLRA 10:1)
(NEOPLASMS,
origin of concepts of cancerous dis. in Russia, review of old literature)

PAVLENKO, Timofey Aleksandrovich, kand. tekhn. nauk, dots.;
BOGAYENKO, A.M., retsenzent;
PITERMAN, Ye.L., red. izd-va; PARAKHINA, N.L., tekhn. red.

[Organization and planning of construction] Organizatsiia i planirovanie stroitel'stva. Moskva, Goslesbumizdat, 1961. 364 p. (MIRA 15:3)
(Construction industry)

BOGAYENKO, I.N.

Current collector with a remote control. Zav.lab. 28 no.3: 364-366 '62. (MIRA 15:4)

1. Institut avtomatiki Gosplana USSR.
(Electric current collectors) (Remote control)

NECHAYEV, G.K., kand.tekhn.nauk; VASIL'YEV, Yu.K., kand.tekhn.nauk; BOGAYENKO, I.N., inzh.; BEREZYUK, B.S., inzh.; SHERMAREVICH, M.G., inzh.

Devices for temperature control in large d.c. machines. Vest. elektroprom. 33 no.11:31-34 N '62. (MIRA 15:11)
(Electric motors, Direct current)

VASIL'YEV, Yu.K., kand.tekhn.nauk; BOGAYENKO, I.N., insh.

Study of thermal condtions in the operation of heavy rolling mills. Vest.elektroprom. 33 no.12:32-35 D '62. (MIRA 15:12)
(Rolling mills)

BOGAYENKO, I.N.

Study of the heating and ventilation of large d.c. machines of rolling mills. Energ. i elektrotekh. prom. no.2:50-54 Ap-Je '63. (MIRA 16:7)

1. Institut avtomatiki Gosplana UkrSSR.
(Rolling mills—Electric driving)
(Electric motors, Direct current)

BOGAYENKO, I.N.

Measurement of the temperature of the armatures of d.c. machines using Hall e.m.f. transducers. Energ. i elektrotekh. prom. no.3: 52-54 Jl-S '63. (MIRA 16:10)

1. Institut avtomatiki Gosplana UkrSSR.

BOGAYENKO, I.N., inzh.

Increasing the reliability of traction and rolling mill motors. Elektrotekhnika 34 no.11:11-14 N '63.
(MIRA 17:2)

VASIL'YEV, Yu.K., kand. tekhn. nauk (Kiyev); BOGAYENKO, I.N., insh. (Kiyev)

Experimental study of the heating and ventilation of the traction motors of main-line electric locomotives. Elektrichestvo no.2:32-37 F '64. (MIRA 17:3)

BOGAYENKO, Ivan Nikolayevich, aspirant

Some experimental data essential for the development of methods for calculating the temperature fields of d.c. machines using electronic computers. Izv.vys.ucheb.zav.; elektromekh. 7 no. 3: 316-323 '64. (MIRA 17:5)

1. Institut avtomatiki Gosplana UkrSSR.

VASIL'YEV, Yu.K., kand.tekhn.nauk; BOGAYENKO, I.N., inzh.

Operational tests of the cooling of large d.c. rolling mills.
Elektrotekhnika 35 no.3:5-9 Mr '64. (MIRA 17:5)

BOGAYENKO, Ivan Nikolayevich, aspirant; BEREZYUK, Boris Stepanovich, inzh.

Measurement of the temperature of the winding of the armature of a traction motor under operating conditions. Izv. vys. ucheb. zav.; elektromekh. 8 no.4:456-466 '65. (MIRA 18:5)

1. Institut avtomatiki Gosplana SSSR.

BOGAYENKO, I.N., inzh.

Measurement of temperature increases in large d.c. machines. Elektrotekhnika. 36 no.9:44-49 S '65. (MIRA 18:9)

BOGAYENKO, V.

Local industry is an important source of commodities. Sov.torg. no.1:10-12 Ja '58. (MIRA 10:12)
(Lvov Province--Industries)

ALEKSANDROV, A.Ya., doktor tekhn. nauk, prof.; BOGAYENKO, V.P., inzh.

Using the photoelastic method to investigate plane elastic contact problems. Trudy NIIZHT no.8:130-135 '52. (MIRA 11:6)
(Surfaces, Deformation of)
(Photoelasticity)

BOGAYETS, A.T.

Age of Permian salt-bearing strata of the Donets Basin. Trudy VNIGNI no.12:114-118 '58. (MIRA 12:3)
(Donets Basin--Paleontology, Stratigraphic)

BOGAYETS, A.T. [Bohaiets', O.T.]; VOLOSHINA, A.M. [Voloshyna, H.M.]; CHERNYAK, N.I. [Cherniak, N.IU.]

Recent data on Cretaceous deposits of the Berdyanskaya Spit. Dop. AN URSR no.2:230-233 '62. (MIRA 15:2)

1. Ukrainskiy nauchno-issledovatel'skiy gornorudnyy institut. Predstavleno akademikom AN USSR V.G.Bondarchukom [Bondarchuk, V.H.].
(Berdyanskaya Spit—Geology, Stratigraphic)

BOGAYETS, A.T. [Bohaiets', O.T.]; VOLOSHINA, A.M. [Voloshyna, H.M.]

Danian-Paleocene sediments in the northwestern region of the Sea of Azov. Dop. AN URSR no.3:394-397 '63. (MIRA 17:10)

1. Ukrainskiy nauchno-issledovatel'skiy gornorudnyy institut. Predstavlono akademikom AN UkrSSR O.S. Vyalovym.

BOGAYETS, A.T. [Bohaiets', O.T.]

New data on Upper Cretaceous sediments in the Sivash region.
Geol. zhur. 25 no.2:45-52 '65. (MIRA 18:6)

1. Ukrainskiy nauchno-issledovatel'skiy gornorudnyy institut.

BOGAYETS, A.T.; ZAKHARCHUK, S.M.; KURYLO, G.P.; PLAKHOTNYY, L.G.; FROLOV, V.D.

Relation of structural plans of Neogene, Paleogene, and Upper Cretaceous sediments on Tarkhankut Cape. Geol. nefti i gaza 9 no.6:12-16 Je '65. (MIRA 18:8)

1. Ukrainskiy nauchno-issledovatel'skiy geologorazvedochnyy institut, Kiyev, i Krymneftegazrazvedka.

KOSYGIN, A.; NOVIKOV, V.; MURAV'YEVA, N.; ZOTOV, V.; AKIMOV, I.; SPORYSHEV, V.; KOLOSOVA, V.; CHESNOKOV, N.; NEFEDOVA, O.; BOGAYEVA, A.; PIKOVSKIY, G.; KARMANOV, M.; SIYTAM, Ye.; KHODAKOVA, S.; KUSHNER, P.; BLYAKHMAN, I.; BASSIAS, L.; KINESHEMTSEVA, A.; REZNIKOV, M.; KALININ, S.; MILANOVA, D.; VENGEROVA, R.; AGROSKINA, M.; RATNER, B.; NARODETSKIY, B.; MARKOVA, L.; GOLUBENKOVA, N.; TSEKHANSKAYA, S.; TERENT'YEVA, N.; NESTEROVA, S.; AKSENOV, S.

D.M.Khazan-Andreeva; obituary. Tekst.prom. 21 no.12:90 D '61. (MIRA 15:2)
(Khazan-Andreeva, Dora Moiseevna, 1894-1961)

BOGAYEVA, A.S.

For a further improvement of the assortment and quality of fabrics.
Tekst.prom.22 no.3:1-4 Mr '62. (MIRA 15:3)

1. Direktor Vsesoyuznogo instituta assortmenta izdeliy legkoy promyshlennosti i kul'tury odezhdy (VIALEGPROM).
(Textile industry)

PLOTNIKOV, A.Ya.; GNEZDOV, V.I.; LABUSOVA, A.I.; BOGAYEVSKAYA, R.P.

Isolation of tall oil by the separation method. Gidroliz. i lesokhim. prom. 16 no.1:21-23 '63. (MIRA 16:2)

1. Tsentral'nyy nauchno-issledovatel'skiy i proyektnyy institut lesokhimicheskoy promyshlennosti (for Plotnikov, Gnezdov, Labusova). 2. Vsesoyuznyy nauchno-issledovatel'skiy i konstruktorskiy institut khimicheskogo mashinostroyeniya (for Bogayevskaya).
(Tall oil)

KOSAREV, A.N., inzh.; BOGAYEVSKAYA, R.P., inzh.; [illegible], [illegible], inzh.; DZHIKHARADZE, V.M., inzh.; NIKITSEV, S.I., inzh.

Purifying the waste waters of alkylation plants with centrifugal separators. Khim. i neft. mashinostr. no.4:9-10 O '64.
(MIRA 17:12)

S/020/63/149/002/026/028
B101/B144

AUTHORS: Kargin, V. A., Academician, Koretskaya, T. A., Bogayevskaya, T. A.

TITLE: Transition of flat structures of isotactic polystyrene into spherulithes

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 149, no. 2, 1963, 370

TEXT: Amorphous isotactic polystyrene was applied from toluene or xylene solution at 110°C to a film support. Examination with the electron microscope showed that amorphous particles of different shape had formed. Furthermore, intensive structural changes were observed on heating at 140 - 180°C in solid state. Nuclei of spherulithe formation occur. In crystallized polystyrene, initially laminated crystals form which grow by t the helical mechanism analogously to polyethylene and paraffin. Then the edge of the faces doubles, and folds are formed from which fibrils and spherulithes arise.

ASSOCIATION: Fiziko-khimicheskiy institut im. L. Ya. Karpova (Physico-chemical Institute imeni L. Ya. Karpov)

Card 1/2

L 9069-65 EWT(m)/EWP(j) Pc-4 RAEM(t)/ASD(a)-5/AFWL RM

ACCESSION NR: AP4030357 S/0190/64/006/003/0441/0443

AUTHORS: Kargin, V. A.; Koretskaya, T. A.; Bogayevskaya, T. A.

TITLE: Crystallization of isotactic polystyrene

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 6, no. 3, 1964, 441-443

TOPIC TAGS: polystyrene, isotactic polystyrene, amorphous isotactic polystyrene, toluene, xylene, decaline, bundle formation, spherulite formation, crystallization

ABSTRACT: The objective of the present investigation was to clarify the structuration processes in solid polymers at temperatures above the vitrification point. Isotactic polystyrene was selected for this study since its relaxation processes proceed at a lower rate, thus facilitating the observation of the separate stages of crystallization. The investigation was conducted with an electron microscope on 0.002-0.1% solutions in xylene, toluene, and decaline, and on the solid state of the polymer. When the solutions (prepared at the boiling points of the respective solvents) were evaporated at 110C, the polystyrene was amorphous. When the polystyrene was dissolved in xylene at 95-97C and then allowed to cool to 25C, spherulite-like structures separated out. Solutions of isotactic polystyrene in decaline (when allowed to cool down to 25C) yielded amorphous fibrous structures.

Card 1/2

L 9069-65
ACCESSION NR: AP4030357

On heating to 120C, these acquired a crystalline structure, forming bundles. It was further shown that isotactic polystyrene, obtained in an amorphous state from solutions in xylene, toluene, or decaline, when heated to 140-200C, produced crystalline plates or planes which became twisted, forming fibrils, bundles, and spherulites. It was shown that the nature of the solvent exerts an essential influence on the structure of isotactic amorphous polystyrene and that a partial destruction of bundle structures takes place at temperatures far below the melting point of the crystals. Orig. art. has: 12 electron microscope pictures.

ASSOCIATION: Nauchno-issledovatel'skiy fiziko-khimicheskiy [illegible] (Scientific Research Physico-chemical Institute)

SUBMITTED: 22Mar63

ENCL: 00

SUB CODE: SS, OC

NO REF SOV: 005

OTHER: 00

Card 2/2

RAPOPORT-MOLODTSOVA, N.Ya.; BOGAYEVSKAYA, T.A.; KORETSKAYA, T.A.; SOGOLOVA, T.I.; KARGIN, V.A., akademik

Fibrous structures and the formation of an isotactic polystyrene jelly. Dokl. AN SSSR 155 no. 5:1171-1173 Ap '64. (MIRA 17:5)

1. Fiziko-khimicheskiy institut im. L.Ya.Karpova.

BOGAYEVSKIY, A.N.

Harmonic functions on GL(2) groups. Dokl. AN SSSR 153 no.4: 751-753 D '63. (MIRA 17:1)

1. Gor'kovskiy gosudarstvennyy universitet im. N.I. Lobachevskogo. Predstavleno akademikom I.G. Petrovskim.

66439

SOV/20-129-3-3/70

16(1) 16,4600

AUTHOR: Bogayevskiy, A.N.

TITLE: Computation of Zonal Spherical Functions

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 129, Nr 3, pp 484-487(USSR)

ABSTRACT: The author obtains explicit expressions for zonal spherical functions of the homogeneous symmetric space M = SU(n)/SO(n), the motion group of which is the unitary-unimodular group of n-th order SU(n) and the stationary subgroup of which is the orthogonal group SO(n). The solution of the problem bases on the following scheme: In an arbitrary irreducible linear representation of the group SU(n) the author considers the vector ξ invariant with respect to SO(n). If ξ is rotated with the aid of the transformations of SU(n) and if in the space of representation a unitary metric invariant with respect to SU(n) is introduced, then the scalar product of the rotating vector and the initial vector is a zonal spherical function of M. As an example the author considers M for n=3.

Card 1/2

Computation of Zonal Spherical Functions

66439
SOV/20-129-3-3/70

The author mentions I.M.Gel'fand, and M.L.Tseytlin. There are 4 Soviet references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova (Moscow State University imeni M.V.Lomonosov)

PRESENTED: July 8, 1959, by I.G.Petrovskiy, Academician

SUBMITTED: June 2, 1959

Card 2/2

L [illegible] EWA(d)/EWA(l)/EWT(m)/ES(v)-3/T IJP(c) GW

ACC NR: AP5026049 SOURCE CODE: UR/0293/65/003/005/0694/0699

AUTHOR: Bogayevskiy, A. N.

ORG: none

TITLE: Solution of the three-body problem in series form

SOURCE: Kosmicheskiye issledovaniya, v. 3, no. 5, 1965, 694-699

TOPIC TAGS: three body problem, orbit calculation

ABSTRACT: The solution of the three-body problem is given in the form of power series in the time t. A preliminary discussion presents the properties of Lie series

$$\mathcal{L}(\varphi)=\sum_{k=0}^{\infty} L^k\varphi(x_1\ldots x_n)\frac{t^k}{k!},$$

where the linear differential operator

$$L=f_1(x_1\ldots x_n)\frac{\partial}{\partial x_1}+f_2(x_1\ldots x_n)\frac{\partial}{\partial x_2}+\ldots+f_n(x_1\ldots x_n)\frac{\partial}{\partial x_n}$$

and the f's are given functions analytic in the whole space of the variables $x_1 \ldots x_n$. Using the results of the discussion, it is found that, for a system of three point masses (or spherically symmetric masses), for example, the x coordinate (in rectangular coordinates) of the first mass is:

Card 1/2

UDC: 521.13

L 13475-66

ACC NR: AP5026049

$$x_1(t) = x_1^0 + u_1^0 t - \varkappa\left(m_2\frac{x_1^0 - x_2^0}{r_{12}^{0\,3}} + m_3\frac{x_1^0 - x_3^0}{r_{13}^{0\,3}}\right)\frac{t^2}{2} -$$

$$- \varkappa\sum_{n=3}^{\infty}\sum_{k=1}^{n-2}\sum C(n,k;\alpha,\beta,\gamma;l_1,j_1,k_1;l_2,j_2,k_2;l_3,j_3,k_3;p_1,q_1,r_1;p_2,q_2,r_2;$$

$$p_3,q_3,r_3)\times(x_1^0 - x_2^0)^{l_1}(x_1^0 - x_3^0)^{j_1}(x_2^0 - x_3^0)^{k_1}(y_1^0 - y_2^0)^{l_2}(y_1^0 - y_3^0)^{j_2}\times$$

$$\times(y_2^0 - y_3^0)^{k_2}(z_1^0 - z_2^0)^{l_3}(z_1^0 - z_3^0)^{j_3}(z_2^0 - z_3^0)^{k_3}(u_1^0 - u_2^0)^{p_1}(u_1^0 - u_3^0)^{q_1}\times$$

$$\times(u_2^0 - u_3^0)^{r_1}(v_1^0 - v_2^0)^{p_2}(v_1^0 - v_3^0)^{q_2}(v_2^0 - v_3^0)^{r_2}(w_1^0 - w_2^0)^{p_3}\times$$

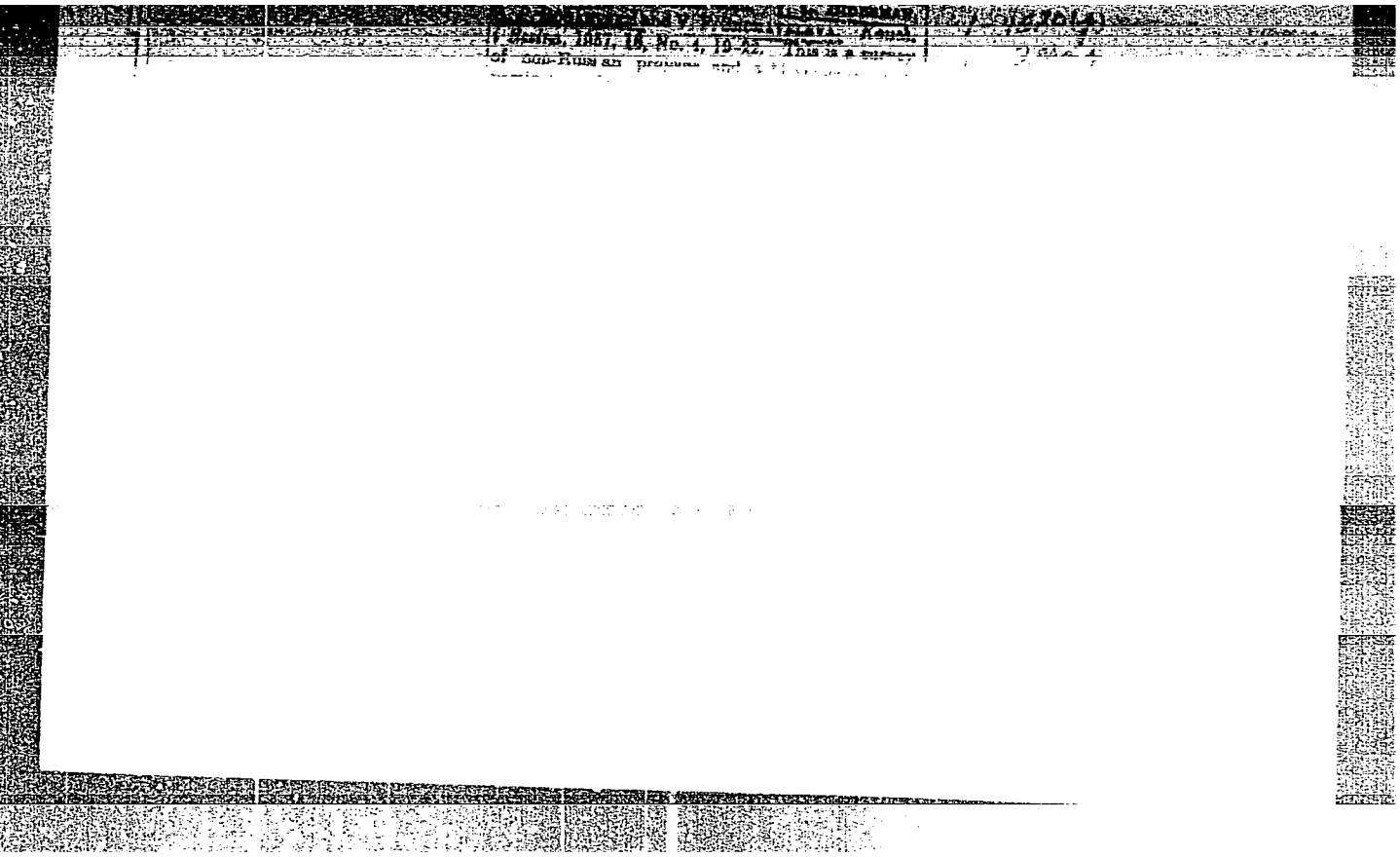
$$\times(w_1^0 - w_2^0)^{q_3}(w_2^0 - w_3^0)^{r_3}r_{12}^{0\,-\alpha}r_{13}^{0\,-\beta}r_{23}^{0\,-\gamma}\frac{t^n}{n!}.$$

Here $\varkappa$ is the gravitational constant, m is the mass, the velocities

$$\dot{x}_i = u_i,$$
$$\dot{y}_i = v_i,$$
$$\dot{z}_i = w_i,$$

r is the distance between the two masses, and the superscript zero denotes the initial conditions. The numerical coefficients C depend only on the attracting masses; a recursion relation for C is given. The variables in C are nonnegative integers satisfying the conditions $\alpha + \beta + \gamma = 2n + k - 2$; $l_1 + j_1 + k_1 + l_2 + j_2 + k_2 + l_3 + j_3 + k_3 + p_1 + q_1 + r_1 + p_2 + q_2 + r_2 + p_3 + q_3 + r_3 = 2n - 2k - 1$. It is pointed out that a majority of the C's are zero, and the ten nonzero values of C for n = 3 are given. The other coordinates of the three bodies are obtained by cyclic permutation. Orig. art. has: 12 equations.

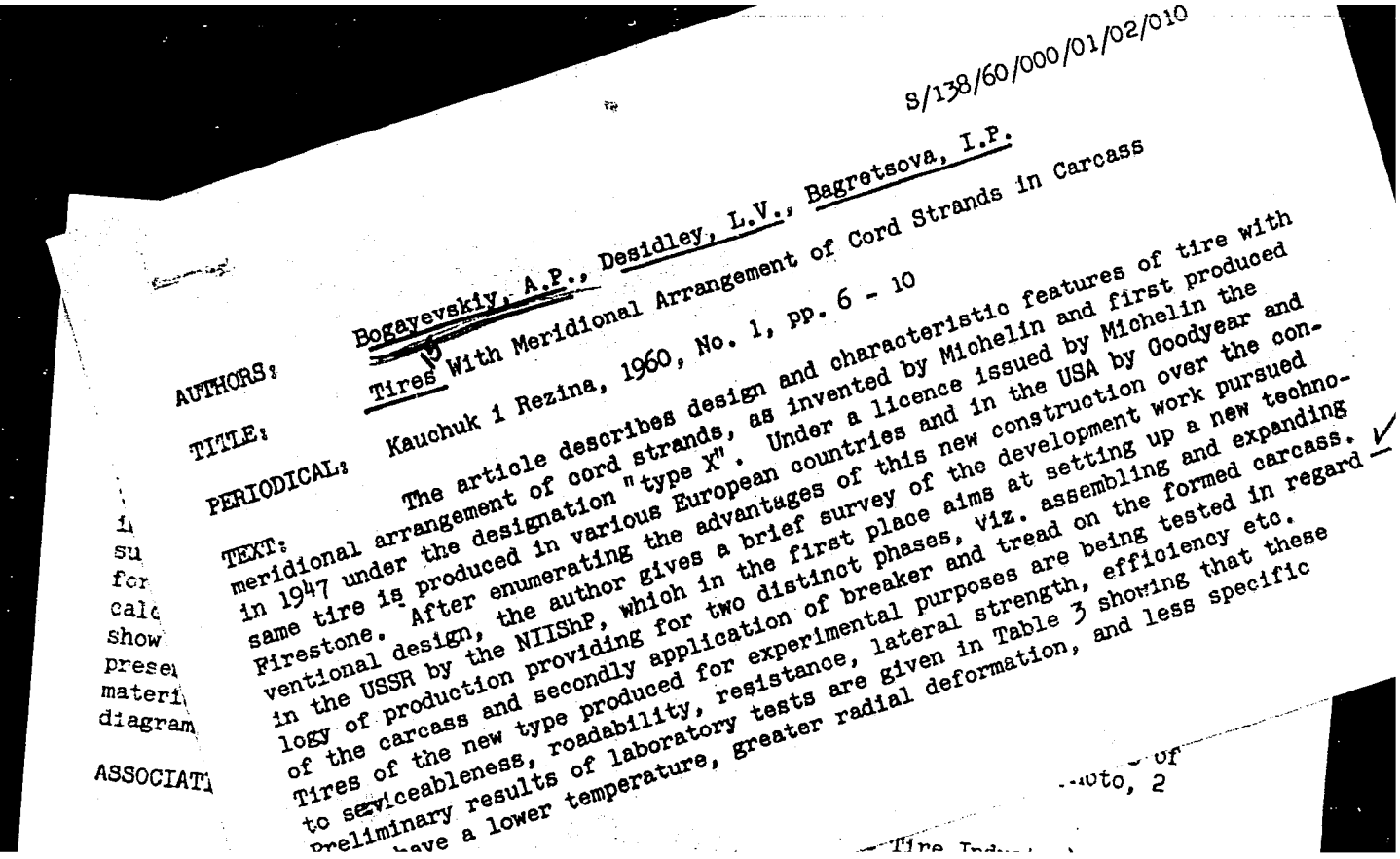
Card 2/2 SUB CODE: 03, 12/ SUBM DATE: 03Dec64/ OTH REF: 001



BOGAYEVSKIY, A. P.

Seven-year plan of the tire industry. Za rul. 17 no.6:2-3 Je. '59. (MIRA 12:10)

1. Direktor Nauchno-issledovatel'skogo instituta shinnoy promyshlennosti. (Tires, Rubber)



S/138/60/000/01/02/010

AUTHORS: Bogayevskiy, A.P., Desidley, L.V., Bagretsova, I.P.

TITLE: Tires With Meridional Arrangement of Cord Strands in Carcass

PERIODICAL: Kauchuk i Rezina, 1960, No. 1, pp. 6 - 10

TEXT: The article describes design and characteristic features of tire with meridional arrangement of cord strands, as invented by Michelin and first produced in 1947 under the designation "type X". Under a licence issued by Michelin the same tire is produced in various European countries and in the USA by Goodyear and Firestone. After enumerating the advantages of this new construction over the conventional design, the author gives a brief survey of the development work pursued in the USSR by the NIIShP, which in the first place aims at setting up a new technology of production providing for two distinct phases, viz. assembling and expanding of the carcass and secondly application of breaker and tread on the formed carcass. Tires of the new type produced for experimental purposes are being tested in regard to serviceableness, roadability, resistance, lateral strength, efficiency etc. Preliminary results of laboratory tests are given in Table 3 showing that these have a lower temperature, greater radial deformation, and less specific

BOGAYEVSKIY, A.P.; ZHEREBKOV, S.K.; GROZHAN, Ye.M.; CHELMODEYEV, A.D.

Investigating the chemical stability of some natural rubbers and rubber goods produced on their base. Kauch.i rez. 21 no.12:11-14 D '62. (MIRA 16:1)

1. Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti.
(Rubber—Testing)

BOGAYEVSKIY, A.P.; KARASEVA, A.F.; PRIKLONSKAYA, N.V.

State of the industry of industrial rubber goods five years after the May Plenum of the Central Committee of the CPSU held in 1958. Kauch. i rez. 22 no.5:1-6 My '63. (MIRA 16:7)

1. Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti. (Rubber industry)

SOKOLOVSKAYA, F.M.; BOGAYEVSKIY, A.P.

Wedge belts in foreign countries. Kauch. i rez. 22 no.8:18-24 Ag '63. (MIRA 16:10)

1. Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti.

BOGAYEVSKIY, A.P.; GORELIK, B.M.; ZUYEV, Yu.S.; KUZ'MINSKIY, A.S.; NOVIKOV, A.S.

Some results of the research work conducted by the Scientific Research Institute of the Rubber Industry. Kauch. i rez. 22 no.11: 1-10 N '63. (MIRA 17:2)

1. Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti.

BOGAYEVSKIY, A.P.; ZHEREBKOV, S.K.; GROZHAN, Ye.M.; POLYAKOVA, L.M.; CHELMODEYEV, A.D.

Investigating the chemical stability of the SKI-3 isoprene rubber and of the rubber and ebonite based on it. Kauch. i rez. 23 no.1:3-7 Ja '64. (MIRA 17:2)

1. Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti.

BOGAEVSKIY, A. T.

25894

Lechenie sastannogo revmntizma ovets. Veterinariya, 1949, No. 8. s. 34-35.

SO: Letopis' No. 34

BOGAYEVSKIY, A.T., dotsent.

Comparative rating of serological and allergic methods for diagnosing brucellosis in horses. Sbor.trud.Khar'.vet.inst. 20:123-129 '49. (MLRA 9:11)

(Brucellosis in horses)

BOGAYEVSKIY A. T.

USSR/Diseases of Farm Animals - Diseases of Unknown Etiology. R-3

Abs Jour : Ref Zhur - Biol., No 4, 1958, 16947

Author : Bogayevskiy, A.T., Pashov, T.V.

Inst : Kharkov Zootechnical Institute.

Title : On the Etiology and Prophylaxis of Infectious Atrophic Rhinitis of Swine. Report 2.

Orig Pub : Sb. tr. Khar'kovsk. zootekhn. in-t, 1956, 8, 131-138

Abstract : On a farm which was free from contamination with infectious atrophic rhinitis of swine (IAR), an experimental infection of piglets via intranasal inoculation, without injuring the mucosa, was carried out. The microbial cultures consisted of B. pyocyaneus and its mixture with other microorganisms isolated from swine affected with IAR. All the infected piglets contracted the disease. Postmortem examination revealed the decrease of the size of nasal

Card 1/3

conchae and the presence of inflamed areas in the lungs. No typical picture of the disease could be seen. From isolated microorganisms killed with formalin, the authors prepared several varients of vaccines. On several farms, a two-shot vaccination of a great number of 1-2 weeks old piglets with agar and broth monovaccines obtained from B. pyocyaneus, was effected. From among the vaccinated piglets, 3.1%, and from among the control animals, 8% contracted IAR. The incidence of IAR among vaccinated piglets indicates that apart from B. pyocyaneus, some other causative agent is also of importance in the etiology of IAR. This is also confirmed by the fact that B. pyocyaneus was not isolated from all of the affected animals. On two farms, trichomonads, morphologically similar to the causative agents of trichomoniasis of cattle, were detected in the nasal carities of the piglets. It is possible that in this case a mutual infection of cattle and

KLEBANOV, M.A., prof.; ROTOV, V.I., prof.; BOGAYEVSKIY, AT., dotsent; ANDRYUSHCHENKO, V.V.; GOVOROV, A.M., dotsent; KASSICH, Yu.Ya.; SHMALIY, K.V., kand. med. nauk; SOKALO, S.V.

Experimental study of chemoprophylaxis of tuberculosis. Prob. tub. no.1:51-58 '65. (MIRA 18:12)

1. Ukrainskiy institut tuberkuleza i grudnoy khirurgii, Khar'kovskiy zooveterinarnyy institut i Ukrainskiy institut eksperimental'noy veterinarii, Kiyev.

LAVROV, P.; BOGAYEVSKIY, B.

Constructing a skip pit for the new blast furnace of the "Azovstal'" Plant. Prom. stroi. i inzh. soor. 2 no. 1:8-9 Ja '60. (MIRA 14:1)

1. Nachal'nik tekhnicheskogo otdela tresta "Azovstal'stroy" (for Lavrov). 2. Glavnyy inzhener Stroitel'no-montazhnogo uchastka "Prokatstroya" (for Bogayevskiy).
(Zhdanov--Blast furnaces)

ABELEV, Yu.M., professor, laureat Stalinskoy premii; BOGAYEVSKIY, B.A., inzhener.

Erecting an industrial building on filled-in ground. Stroi.prom. 31 no.11:13-16 N '53. (MLRA 6:12)
(Industrial buildings) (Foundations)

BOGAYEVSKIY, B.A.

LAVROV, P.N., inzhener; BOGAYEVSKIY, B.A., inzhener

Fastening the rails under loading cranes to foundations. Stroi. prom. 33 no.6:44-45 Je'55. (MLRA 8:10)
(Cranes, derricks, etc.)

GARKALENKO, I.A.; BOGAYEVSKIY, L.B.; BEZVERKHOV, B.D.

Some data on the geology of the northwestern part of the Black Sea. Geofiz. sbor. no.8:44-48 '64. (MIRA 18:6)

1. Dnepropetrovskaya geofizicheskaya ekspeditsiya tresta "Ukrgeofizrazvedka".

ACC NR: AT7003835 SOURCE CODE: UR/3169/66/000/018/0058/0063

AUTHOR: Krasnoshchek, A. Ya.; Bezverkhov, B. D.; Bogayevskiy, L. G.

ORG: Dnepropetrovsk Geophysical Expedition (Dnepropetrovskaya geofizicheskaya ekspeditsiya)

TITLE: Tectonic structure of the northwestern Black Sea

SOURCE: AN UkrSSR. Geofizicheskiy sbornik, no. 18, 1966. Geofizicheskiye issledovaniya stroyeniya zemnoy kory (Geophysical investigations of the structure of the earth's crust), 58-63

TOPIC TAGS: geophysic expedition, tectonics, geologic exploration, prospecting

ABSTRACT: This article presents the results of a geophysical investigation of the tectonic structure of the northwestern area of the Black Sea. The investigation was undertaken in connection with the importance of the area with regard to the formation of gas and petroleum deposits. The opinions expressed concerning the tectonic structure of this area of the Black Sea will help to elicit the prospects of the presence of gas and petroleum within the Black Sea depression and to select the future direction of research operations. Orig. art. has: 3 figures.

SUB CODE: 08/ SUBM DATE: 10Mar65/ ORIG REF: 008

Card 1/1

BOGAYEVSKIY, O.

BOGAYEVSKIY, O., inzh. (Sverdlovsk)

Using cold for heating houses. Tekh.mol. 26 no.2:35-36 '58.
(MIRA 11:2)
(Heat)

BOGAYEVSKIY, O.A., inzhener.;BESSONOV, V.B., inzhener.

Using electric limbing saws in lumbering enterprises of the Urals. Mekh. trud. rab. 11 no.2:27-29 F '57. (MLRA 10:5)

1. TSentral'nyy nauchno-issledovatel'skiy institut mekhanizatsii i energetiki.
(Ural Mountain region--Saws)

BOGAYEVSKIY, O.A.

Seminar in Kiev on thermodynamics in mining. Gor.zhur. no.3:77-78 Mr '58. (MIRA 11:3)
(Kiev—Mining engineering)
(Thermodynamics)

BOGAYEVSKIY O.A.

AUTHORS: Bakirov, U.Kh., and Bogayevskiy, O.A. 127-58-1-16/28

TITLE: On a Re-Circulation System of Mine Ventilation (O retsirkulyatsionnoy skheme provetrivaniya shakht)

PERIODICAL: Gornyy Zhurnal, 1958, Nr 1, pp 56-61 (USSR)

ABSTRACT: The authors cite some examples which show that the air-conditioning of a mine by means of cooling and heating devices calls for considerable expenditures. They suggest another possibility to ensure an almost permanent comfortable atmosphere in the mines without these devices: the switching over of a direct ventilation current to a reverse one, which he names the re-circulation scheme. The authors compare the amount of impurities containing in the outgoing air, fresh air, and the air leaving the stoping works, with the admissible impurities, taking as an example the pit Kapital'naya Nr 2 of the Degtyarsk copper mine. They point out that the purification of the outgoing air can be improved by placing a water "curtain" in its path; dust will be settled and gas admixtures will be dissolved. In this way, the outgoing air can be re-used. The authors then proceed to discuss the theoretical side of the problem and derive formulas for determining the coefficient of re-

Card 1/2

On a Re-Circulation System of Mine Ventilation 127-58-1-16/28

circulation (defined as the ratio of the amount of repeatedly-used air to the total amount of incoming air and the temperature of the mixture of re-used and fresh air. The use of these formulas is illustrated by some numerical examples. The re-circulation scheme should be devised in such a manner that it would be possible to vary the re-circulation coefficient in the range from 0 to 1. The air for re-circulation can be returned through a heat-insulated pipeline of large diameter with built-in water spray and general ventilator.
The article contains 1 figure, 2 tables and 2 English references.

ASSOCIATION: Unipromed'.

AVAILABLE: Library of Congress

Card 2/2 1. Mines-Ventilation 2. Ventilation-Equipment 3. Mining engineering-USSR

AUTHOR: Bogayevskiy, O.A. SOV-127-58-3-22/24

TITLE: Seminar on Mining Heat Engineering in Kiyev (Seminar po gornoy teplotekhnike v Kiyeve)

PERIODICAL: Gornyy zhurnal, 1958, Nr 3, pp 77-78 (USSR)

ABSTRACT: This seminar was organized by the Institute gornogo dela (The Institute of Mining Industry) and the Laboratoriya teploobmena i teploobmennykh apparatov instituta teplo energetiki AN SSSR (the Laboratory of Heat Exchange and Heat-exchanging Equipment of the Heat Power Engineering Institute of the AS of the Ukr.SSR). It took place in Kiyev from 17-20 October 1957. 100 persons took part in it. It was opened by the Academician A.N. Shcherban' with a lecture on the state of heat engineering in the Union and abroad. He recommended a close cooperation of scientists with the mining industry, the complexity of problems of heat exchange in the mines requires such a measure. The seminar discussed the pneumatic cooling ventilation system elaborated by the head of the laboratory of the Heat Power Engineering Institute of the AS of the Ukr. SSR). This system working on a compressed air basis was recommended as most suitable for the mines. Professor

Card 1/2

Seminar on Mining Heat Engineering in Kiyev SOV-127-58-3-22/24

Ya.I. Trumpayts (Institut okhrany truda, Leningrad) (The Leningrad Institute of Protection of Labor) reported on researches on temperatures in mines of different climatic regions. It was decided that these temperature-limits must be fixed for each region separately.

1. Mining engineering
2. Underground structures--Ventilation
3. Underground structures--Temperature factors

Card 2/2

BAKIROV, U.KH.; BOGAYEVSKIY, O.A.

Example of calculating the ventilation of blind workings by the temperature factor. Biul. TSIIN tsvet. met. no. 5:13-14 '58.
(MIRA 11:7)

(Mine ventilation)

BOGAYEVSKIY, O.A., inzh.

Heat exchange between fresh air and return air from the mine. Izv.vys. uçheb.zav.; gor.zhur. no.5:46-48 '58. (MIRA 12:1)

1. Unipromed'.
(Mine ventilation) (Heat--Transmission)

BOGAYEVSKIY, O. A., Cand Tech Sci (diss) -- "Methods of conditioning ore-mine air using the heat of the mine output air". Sverdlovsk, 1960. 16 pp (Ural Affiliate of the Acad Sci USSR), 150 copies (KL, N o 14, 1960,131)

BOGAYEVSKIY, O.A., insh.

New methods of conditioning mine air. Trudy Sem.po gor.teplotekh. no.3:106-112 '61. (MIRA 15:4)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut mednoy promyshlennosti.
(Mine ventilation)

BOGAYEVSKIY, O.A., inzh.

Economical dust removal from gas in a centrifugal field. Trudy Sem.po gor.teplotekh. no.3:113-118 '61. (MIRA 15:4)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut mednoy promyshlennosti.
(Fans, Mechanical) (Mine dusts--Removal)

SEMENENKO, B.A.; BOGAYEVSKIY, O.A.; KIBAL'NIKOV, V.G.

Ventilation of an open pit with a turbojet engine. Gor. zhur. no.1:32 Ja '62. (MIRA 15:7)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut mednoy promyshlennosti, Sverdlovsk.
(Ural Mountains--Mine ventilation)
(Turbomachines)

BOGAYEVSKIY, O.A., knad.tekhn.nauk

Efficiency of using heat pumps for temprature equalization in mines. Ugol' 37 no.11:51-52 N '62. (MIRA 15:10)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut mednoy promyshlennosti.
(Mine ventilation—Cold weather conditions) (Heat pumps)

BOGAYEVSKIY, O.A.

Reducing nickel dust losses from nickel plant shaft furnaces.
TSvet. met. 38 no.5:43-44 My '65. (MIRA 18:6)

GORB, T.V. [Horb, T.V.], doktor sel'skokhoz.nauk; TERESHCHENKO, F.K., kand.biolog.nauk; BOGAYEVSKIY, O.T. [Bohaievs'kyi, O.T.], kand. veterin.nauk; POTYOMKIN, M.D. [Pot'omkin, M.D.], akademik; KNIGA, M.I. [Knyha, M.I.]; POPOV, O.Ya., kand.sel'skokhoz.nauk; KHMELIK, G.G. [Hmelyk, H.H.], kand.sel'skokhoz.nauk; SHRAM, I.P., kand.sel'skokhoz.nauk [deceased]; KOPIL, A.M., kand.sel'skokhoz. nauk; TSELYUTIN, V.K., kand.sel'skokhoz.nauk; BOZHKO, P.Yu., doktor sel'skokhoz.nauk; KROMIN, S.S., kand.sel'skokhoz.nauk; ZEMLYANSKIY, V.M. [Zemlians'kyi, V.M.], kand.sel'skokhoz.nauk; BORISENKO, A.M. [Borysenko, A.M.], kand.biolog.nauk; ZAKHARENKO, V.B., kand.biolog. nauk; SMIRNOV, I.V. [Smyrnov, I.V.], kand.biolog.nauk; KHRABUSTOVSKIY, I.F. [Khrabustovs'kyi, I.F.], kand.biolog.nauk; TORSTYANETSKAYA, M.N., [Trostianets'ka, M.N.], assistent; ALESHKO, P.I., inzh.; VASIL'YEV, Vasyl'iev, O.F., kand.tekhn.nauk; BUGAYENKO, I.I. [Buhaienko, I.I.], starshiy prepodavatel'; TRAKHTOMIROVA, O.O., kand.ekonom.nauk; BUTKO, S.D., kand.ekonom.nauk; TELESHIK, K.G. [Teleshyk, K.H.], doktor ekonom.nauk; YAROSHENKO, V.D., kand.ekonom.nauk; LISIY, I.Y. [Lysyi, I.I.], red.; YEROSHENKO, T.G. [IEroshenko, T.H.], tekhn.red.

[Handbook for zootechnicians] Dovidnyk zootekhnika. 2., dopovnene i pereroblene vyd. Kyiv, Derzh.vyd-vo sil's'kohospodars'koi lit-ry URSR, 1960. 728 p. (MIRA 15:2)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I. Lenina (for Potemkin). 2. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Kniga).
(Stock and stock breeding)

KIPER, Ye.V., kand. tekhn. nauk; CHERKUN, V.Ye., kand. tekhn. nauk; MOROZOV, V.I., inzh.; BOGAYEVSKIY, V.A.

Errors in machining the body-slide valve pair of hydraulic distributors. Trakt. i sel'khozmash. 33 no.11:40-42 N '63. (MIRA 17:9)

1. Melitopol'skiy institut mekhanizatsii sel'skogo khozyaystva (for Kiper, Cherkun, Morozov). 2. Glavnyy tekhnolog Melitopol'skogo agregatnogo zavoda (for Bogayevskiy).

KIPER, Ye.V., kand.tekhn.nauk; CHERKUN, V.Ye., kand.tekhn.nauk; MOROZOV, V.I., inzh.; BOGAYEVSKIY, V.A.

Precision in machining holes on the body of hydraulic distributors by various methods. Trakt. i sel'khozmash. no.9:41-42 S '65. (MIRA 18:10)

1. Melitopol'skiy institut mekhanizatsii sel'skogo khozyaystva (for Kiper, Cherkun, Morozov). 2. Glavnyy tekhnolog Melitopol'skogo agregatnogo zavoda (for Bogayevskiy).

L 4568-66 EWT(d) IJP(c)

ACC NR: AP5023990 SOURCE CODE: UR/0055/65/000/005/0092/0095

AUTHOR: Bogayevskiy, V. N. 41,55

ORG: Department of Theoretical Mechanics, Moscow University (Kafedra teoreticheskoy mekhaniki, Moskovskiy universitet) 44,55

TITLE: The general integrals of the equations of motion about a fixed point 76, 44, 55

SOURCE: Moscow. Universitet. Vestnik. Seriya I. Matematika, mekhanika, no. 5, 1965, 92-95

TOPIC TAGS: motion equation, Lagrange equation, Euler equation

ABSTRACT: The article presents a simple manner of finding the necessary and sufficient conditions for the existence of the first integrals in the form $F(p,q,\gamma,\gamma',\gamma'')$ = const, for the equations of motion of a solid about a fixed point:

$$A\frac{dp}{dt}+(C-B)qr=\gamma''\frac{\partial U}{\partial\gamma'}-\gamma'\frac{\partial U}{\partial\gamma''},\quad \frac{d\gamma}{dt}+q\gamma''-r\gamma'=0,$$

$$B\frac{dq}{dt}+(A-C)rp=\gamma\frac{\partial U}{\partial\gamma''}-\gamma''\frac{\partial U}{\partial\gamma},\quad \frac{d\gamma'}{dt}+r\gamma-p\gamma''=0,$$

$$C\frac{dr}{dt}+(B-A)pq=\gamma'\frac{\partial U}{\partial\gamma}-\gamma\frac{\partial U}{\partial\gamma'},\quad \frac{d\gamma''}{dt}+p\gamma'-q\gamma=0,$$

Card 1/2 UDC: 531.3

L 4568-66

ACC NR: AP5023990

where p,q, and r are the projections of the angular velocity of the solid on the main axes of inertia with respect to the fixed point; $\gamma, \gamma', \gamma''$ are the cosines of the angles formed by these axes with a given constant direction; A, B, C are the main moments of inertia; and, $U = U(\gamma, \gamma', \gamma'')$ is the force function. The solution is considered with respect to the Lagrange, Euler, and Kovalevskiy functions. Orig. art. has: 5 formulas.

SUB CODE: ME/ SUBM DATE: 20Oct64/ ORIG REF: 003/ OTH REF: 000

Card 2/2

BOGAYEVSKIY, V. T.

21928 BOGAYEVSKIY, V. T. Sozdat' mnozhiy promysel na Amuke Ryb. Khoz-vo, 1949, No. 7, s, 22-24.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949.

BOGAYEVSKIY, V.T. (Yushno-Sakhalinsk).

"Shaped" luminescence in the Okhotsk Sea. Priroda 45 no.10: 112-113 O '56. (MLRA 9:11)
(Okhotsk, Sea of--Luminescence)

BOGAYEVSKIY, V.T.

Some biological characteristics of Eleginus navaga gracilis (Til.) in the Far Eastern seas. Vop. ikht. no.15:26-27 '60. (MIRA 13:9)

1. Sakhalinskoye otdeleniye Tikhookeanskogo nauchno-issledovatel'skogo instituta morskogo rybnogo khozyaystva i okeanografii.
(Soviet Far East--Codfish)

CHIBIROV, Khristafor Tadiozovich; BOGAZOV, U.A., red.; BAYMATOV, P.S., tekhn.red.

[Northern Ossetia in the fraternal family of U.S.S.R. peoples] Severnaia Osetiia v bratskoi sem'e narodov SSSR. Ordzhonikidze, Severo-Osetinskoe knizhnoe izd-vo, 1956. 46 p. (MIRA 13:4)
(Ossetia--Economic conditions)