IVASHKEVICH, V.P.; KESTEL'MAN, V.N.

Plastic equipment. Mashinostroitel' no.5:17-18 My '62.
(Plastics) (MIRA 15:5)

KESTEL'MAN, V.N., inzh.; IVASHKEVICH, V.P., inzh.

Manufacturing capron bushings. Mashinostroenie no.6:29-31 N-D '62. (MIRA 16:2)

1. Zaporozhskiy avtozavod "Kommunar".
(Nylon)

KESTEL'MAN, V.N.; IVASHKEVICH, V.P.

Use of plastics in enterprises of the Zaporozh'ye Economic Council. Mashinostroitel' no.9:38-39 S '62. (MIRA 15:9)

(Zaporozh'ye Province--Industry)
(Plastics)

IVASHKEVICH, V.P.; SENYUSHOV, V.M.

Stamping parts with wedged seams. Mashinostroenie no.1:11-12 Ja-F '63. (MIRA 16:7)

1. Zaporozhskoye otdeleniye TSentral'nogo byuro tekhnicheskoy informatsii Pridneprovskogo soveta narodnogo khozyaystva. (Forging)

IVASHKEVICH, V.P.; KESTEL'MAN, V.N.

Use of plastics in the electric equipment industry. Energ. i elektrotekh. prom. no.3:76 Jl-S '63. (MIRA 16:10)

1. Pridneprovskiy sovet narodnogo khozyaystva.

MONASIKHIN, A.A., inzh.; IVASHKEVICH, V.P., inzh.

Die with top position of the extrusion die block. Mashinostroenie no.4:38-39 Jl-Ag '63. (MIRA 17:2)

1. Zaporozhskiy proyektno-konstruktorskiy tekhnologicheskiy institut.

SAMON'KIN, M.A.; IVASHKEVICH, V.P.

Automatic turret die. Mashinostroenie no.5:43-44 S-O '63.
(MIRA 16:12)

AUTHOR: Kestel'man, V. N.; Ivashkevich, V. P.

TITLE: New polymeric material for machine building

SOURCE: Byulleten' tekhniko-ekonomicheskoy informatsii, no. 6, 1963, 20-21

TOPIC TAGS: polyformaldehyde, polymeric material, machine part, heat resistance, wear resistance

ABSTRACT: The Kuskovskiy Chemical Plant has developed a new polymeric material known as polyformaldehyde (PFA). PFA is more wear resistant than the various polyamides that have been widely

high fluorocarbon temperatures up to 393°K. It is produced in the form of yellow granules which are processed by die casting, pressing, or extrusion. Machine parts made of PFA should be heat treated by soaking in boiling water or oil at 427°K for 1-3 min for each 1 mm of part thickness. Wear resistance of PFA has proven superior to

Card 1/2

plant are developing new uses for FFA. Orig. art. has: no figures.
tables, or formulas.
ASSOCIATION: None

SUBMITTED: 00 DATE ACQ: 02Aug63 ENCL: 00

SUB CODE: CH, MA NO REF SOV: 000 OTHER: 000

Card 2/2

IVASHKEVICH, V.P.; SENYUSHOV, V.M.

Hammer dies with a wedge-shaped flash gutter. Kuz.-shtam. proizv. 5 no.6:44-45 Je '63. (MIRA 16:8)

SIKUN, G.T.; IVASHKEVICH, V.P.

Automatic control of the die stamping of contactors. Kuz.-shtam. proizv. 5 no.9:45-47 S '63. (MIRA 16:11)

KESTEL'MAN, V.N.; IVASHKEVICH, V.P.

"Stavinil," a new promising combined material. Plast. massy no.11:60-61 '63. (MIRA 16:12)

IVASHKEVICH, V.P., inzh.; KESTEL'MAN, V.N., inzh.

New polymer material for the machinery industry. Mashinostroenie no.1:17-18 Ja-F '64. (MIRA 17:7)

IVASHKEVICH, V.P., inzh.

Die for burr trimming and hole broaching. Mashinostroenie no.1: 65 Ja-F '65. (MIRA 18:4)

SAMON'KIN, M.A., inzh.; IVASHKEVICH, V.P., inzh.

Semiautomatic die for multilateral cutouts in sectional materials. Mashinostroenie no.4:52-53 Jl-Ag '65. (MIRA 18:8)

SHARAPOV, N.I., inzh.; IVASHKEVICH, V.P., inzh.

Molybdenum disulfide is a means for increasing the strength of tools. Mashinostroenie no.5:51-52 S-O '64 (MIRA 18:2)

KESTEL'MAN, V.N., inzh.; IVASHKEVICH, V.P., inzh.

Autoclave with induction heating for making parts from capron.
Mashinostroenie no. 2:30-32 Mr-Ap '64. (MIRA 17:5)

TOBILEVICH, N. Yu.; SAGAN', I. I.; GARYAZHA, V.T.; TKACHENKO, S. I.; VOVCHENKO, V. S.; IVASHKEVICH, V. V.

Effect of the rate of the sugar juice motion on the thermal resistance of the deposits and on the heat transfer during heating. Izv. vys. ucheb. zav.; pishch. tekh. no. 2:106-109 '64. (MIRA 17:5)

1. Kiyevskiy tekhnologicheskiy institut pishchevoy promyshlennosti, kafedra promyshlennoy teploenergetiki.

IVASHKEVICH, V. Yu.

Development of the basic premises of the invariant theory of mechanics. Trudy Inst. ist. est. i tekh. 43:378-405 '61. (MIRA 15:1)
(Mechanics, Analytic)
(Invariants, Differential)

DIKIY, G.F.; BUTENKO, B.M.; IVASHKEVICH, Yu.K.; IVASHCHENKO, B.P.; LOMAKIN, V.F.

[Automation of production processes in the wine and brandy making factory in Tiraspol] Avtomatizatsiia proizvodstvennykh protsessov na Tiraspol'skom vinnokon'iachnom zavode. Moskva, TSentr. in-t nauchno-tekhn. informatsii pishchevoi promyshl., 1964. 32 p. (MIRA 17:11)

IVASHKIN, A. M., FEDORENKO, V. I., SHKUD, M. A., GEL'MAN, F. A., RYABOV, K. M., KUCHUK, Ye. N. and PAKHOMOV, O. I.

Antenna Switch, Patent, Class $21a^4$. 72_{04}, No. 103460, Elektrosvyaz' No. 1, Jan 57.

GOLDINA, V.N.; IVASHKIN, A.M.; KIRCHAKOVA, T.L.; USPENSKIY, A.K., prof., red.; KHROMCHENKO, F.I., red. izd-va; SUNGUROV, V.S., tekhn.red.

[Problems of elementary mathematics essential for the study of geodesy]Voprosy elementarnoi matematiki neobkhodimoi pri izuchenii geodezii. Sost. V.N.Goldina, A.M.Ivashkin, T.L.Kirchakova. Pod red. A.K.Uspenskogo. Moskva, Izd-vo geodez. lit-ry, 1962. 89 p. (MIRA 15:12)

1. Moscow. Institut inzhenerov zemleustroystva. Kafedra vysshey matematiki.

(Mathematics)

KOZYRENKOV, I.K.; IVASHKIN, A.P., otv. red.

[Communists, the fighters for technical progress] Kommunisty, bortsy za tekhnicheskii progress. Saransk, Mordovskoe knizhnoe izd-vo, 1961. 142 p. (MIRA 18:10)

ANOKHIN, V.L.; ZARINSKIY, V.A.; IVASHKIN, A.V.

High-frequency sensing element for recording yield curves in chromatographic apparatus. Zav.lab. 28 no.8:1010-1012 '62. (MIRA 15:11)

1. Institut reokhimii i analiticheskoy khimii imeni V.I. Vernadskogo AN SSSR i Institut obshchey i kommunal'noy gigiyeny AMN SSSR.

(Chromatographic analysis)

PAVLOV, A.N., otv. za vypusk; VOLODICHEVA, V.N.; IVANOVA, A.I.; KULAKOV, I.N.; LYAMINA, T.N.; MIT'KINA, L.I.; POZDNYAKOVA, N.P.; RODIONOVA, L.I.; ROMANOVA, N.M.; SOFIYEV, E.S.; CHICHKINA, A.A.; TRESORUKOVA, Z.G.; BOGATYREV, P.P.; BROVKINA, A.I.; IVANOVA, L.D.; IVASHKIN, G.A.; KAMNEV, N.I.; LYSANOVA, L.A.; OZHERKL'YEVA, Z.I.; PAVLOVA, T.I.; TYUTYUNOVA, N.I.; UMNITSYNA, A.P.; ZHIVILIN, N.N.; ALESHICHEV, M.P.; VINOGRADOV, V.I.; YEREMIN, F.S.; KRAVCHENKO, Ye.P.; LOVACHEVA, M.V.; NIKOL'SKAYA, V.S.; MAKHOV, G.I.; SKEGINA, A.V.; TAREYEV, A.V.; KHOLINA, A.V.; BRYANSKIY, A.M.; BURMISTROVA, V.D.; GRIGOR'YEVA, A.M.; LUTSENKO, A.I.; OREKHOVA, Z.V.; TEPLINSKAYA, N.V.; FEOKTISTOVA, V.I.; BUTORIN, I.M.; BOCHKAREVA, L.D.; BURENINA, V.A.; VETUSHKO, A.M.; VIKHLYAYEV, A.A.; SOROKIN, B.S.; TSYBENKO, L.T.; KHLEBNIKOV, V.N.; DUMNOV, D.I.; STEPANOVA, V.A.; MANYAKIN, V.I., red.; VAKHATOV, A.M.; MAKAROVA, O.K., red.izd-va; PYATAKOVA, N.D., tekhn.red.

[Soviet agriculture; a statistical manual] Sel'skoe khoziaistvo SSSR; statisticheskii sbornik. Moskva, 1960. 665 p.
(MIRA 13:5)

1. Russia (1923- U.S.S.R.) TSentral'noye statisticheskoye upravleniye. 2. Upravleniye statistiki sel'skogo khozyaystva TSentral'nogo statisticheskogo upravleniya SSSR (for all except Makarova, Pyatakova).

(Agriculture--Statistics)

TALMUD, S.L.; TURZHETSKAYA, A.N.; VOLKOV, V.A.; IVASHKIN, G.P.; FEDOTOV, Yu.M.

Colloidal solubility of the resin from sulfite pulp and rosin. Koll. zhur. 22 no.4:477-481 Jl-Ag '60. (MIRA 13:9)

1. Leningradskiy tekhnologicheskiy institut, Kafedra fizicheskoy i kolloidnoy khimii.

(Gums and resins)

S/080/63/036/002/011/019
D403/D307

AUTHORS: Klenkova, N. I. and Ivashkin, G. P.

TITLE: On the internal surface and capillary structure of natural and mercerized cotton cellulose

PERIODICAL: Zhurnal prikladnoy khimii, v.36, no. 2, 1963, 398-408

TEXT: The present article is the VIth communication in a series of studies concerned with the reactivity of cellulose fibers. The above problem was studied, on cotton wool and on cotton wool mercerized with 17.5% NaOH, washed and dried at room temperature, by measuring the sorption of N_2 (at -198°C), water vapor, MeOH, EtOH and CH_3COOH at 20°C. Sorption of N_2 showed that mercerized fibers had an internal surface ~4 times smaller than the natural product, and the distribution of (effective) capillary radii was much less favorable to penetration by reagents than in the untreated fibers. Mercerized fibers were also considerably less penetrable to the organic molecules (this varied, however, with the compound con-

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On the internal surface ...

S/080/63/036/002/011/019
D403/D307

cerned) but more penetrable to water than the natural fiber. The penetration of water may be unaffected by the presence of capillaries. It is considered that the internal surface, capillary radii distribution and its change on swelling are important factors, affecting reactivity of the fibers. Differences between mercerized and untreated fibers are ascribed to these factors. There are 9 figures and 1 table.

SUBMITTED: November 3, 1961

Card 2/2

IVASHKIN, I., mayor

Special contests. Voen. vest. 43 no.6:80-82 Je '63. (MIRA 16:6)
(Chemical warfare)

IVASHKIN, I., tokar'

Welding machines for ships. Mor. flot 24 no.9 14 S '64. (MIRA 18:5)

1. Teplokhod "Dnepropetrovsk" Dal'nevostochnogo parokhodstva.

IVASHKIN, S.

[Role of the Soviet working class in the socialist reorganization of Kazakhstan agriculture] Rol' sovetskogo rabochego klassa v sotsialisticheskom preobrazovanii sel'skogo khoziaistva Kazakhstana. Alma-Ata, Kazakhskoe gos. izd-vo, 1962. 158 p. (MIRA 16:5)
(Kazakhstan—Collective farms)

AUTHOR: Ivashkin, V.A. 113-58-5-15/22

TITLE: Alkaline Ferro-Nickel and Cadmium-Nickel Accumulators Used in France (Shchelochnyye zhelezo- nikelevyye i kadmiyevo-nikelevyye akkumulyatory primenyayemyye vo Frantsii)

PERIODICAL: Avtomobil'naya Promyshlennost', 1958, Nr 2, pp 39-40 (USSR)

ABSTRACT: This is a description of the accumulators used in France and constructed by the "Societé des Accumulateurs Fixes de Traction". There are 2 figures and 1 table.

AVAILABLE: Library of Congress

Card 1/1 1. Automobile industry-Batteries

IVASHKIN, Vasiliy Dmitriyevich, udarnik kommunisticheskogo truda (1922-); POLYAKOVA, V., red.; PAVLOVA, S., tekhn. red.

[Your hand, comrade!]Ruku, tovarishch! Moskva, Mosk. rabochii, 1962. 42 p. (MIRA 15:8)

1. Zven'yevoy-mekhanizator sovkhoza "Zaokskiy", Podmoskov'ye i Deputat Balkovskogo sel'skogo soveta, chlen Serpukhovskogo Rayonnogo komiteta Kommunisticheskoy partii Sovetskogo Soyuza (for Ivashkin).
(Agricultural machinery--Technological innovations)

IVASHKIN, V.G.

Passenger automobile with an electric engine. Avt. i trakt. prom. no.9:44-45 S '56. (MLRA 9:11)
(France--Automobiles)

IVASHKIN, V.M., doktor veter. nauk; KHROMOVA, L.A., mladshiy nauchnyy sotrudnik; SHMYTOVA, G.Ya., mladshiy nauchnyy sotrudnik

Stephanofilariasis in cattle. Veterinariia 40 no.8:36-39 Ag '63. (MIRA 17:10)

1. Gel'mintologicheskaya laboratoriya AN SSSR.

IVASHKIN, V. M.

"A Contribution to the Study of the Biology of Nematodes of the Genus Thelazia Bosc, 1849, Parasitic of the Eye of Cattle," Dok. AN, 52, No. 9, '46

IVASHKIN,V.M.

"Particulars of the Biological Cycle of the Nematodes Mecistocirrus Digitatus (Linstov 1906), a Parasite in Abomasum Ruminantia,"V.M.IVASHKIN, Far Eastern Veterinary Institute,Blagoveshchensk on the Amur, 2pp

General summary of experiments conducted on Mecistocirrus digitatus of the Trichostrongylidae family, which is found most commonly in the regions of southern Asia of the Far East. These nematodes cause the disease known as mecistocirrhosis, which is common in the southern regions of the Far East. Submitted by Academician K.I.Skryabin 9 Jun 1947 ([redacted]37T60)

SO: DOKLADY AKADEMII NAUK;Vol. LVIII,No 6;Nov 1947 uncl deg

IVASHKIN, V. M.

Krastin, N. I. and Ivashkin, V. M. "~~Telyaziosis~~ Thelaziosis of the eyes of horses in the far east", Sbornik rabot po gelmintologii (Vsesoyuz. in-t gel'mintologii im. akad. Skryabina), Moscow, 1948, p. 121-23.

SO: U-3042, 11 March 53, (Letopis'nykh Statey, No. 10, 1949).

IVASHKIN, V. M.

25900

Ispytanie fenotiazina pri metsistotsirrosse krupnaeo skota. Veterinaria, 1949, No. 8. s. 29-30.

SO: Letopis' No. 34

IVASHKIN, V. M.

Ivashkin, V. M. - "Metsistotsirroz' of large horned cattle and measures to combat it", (Thesis of a candidate's dissertation), Trudy Gel'mintol. laboratorii (Akad. nauk SSSR), Vol. 11, 1949, p. 226-29.

SO: U-4630, 16 Sept. 53, (Letopis 'Zhurnal 'nykh Statey, No. 23, 1949).

[redacted], A. A.

"Method of Simultaneous Injection of Iodine Solution in Both Lungs to Treat Calves Suffering from Dictyocaulosis," Veterinariya, No. 4, pp. 28-30, 1950

[illegible], [illegible].

Telyaz'oz glaz [illegible] (Verblyudov) i krupnogo rogatogo skota, "Works on Helminthology" on the 75th Birthday of K. I. Skryabin, Izdat. Akad. Nauk, SSSR, Moskva, 1953, page [illegible]58
Helminthology Laboratory, A. S., USSR

SKRYABIN, K.I., redaktor; SHIKHOBALOVA, N.P.; SHUL'TS, R.S.; IVASHKIN, V.M., redaktor; ALEKSEYEVA, T.V., tekhnicheskiy redaktor.

[Principles of nematology] Osnovy nematodologii. Pod red. K.I.Skriabina. Moskva, Izd-vo Akademii nauk SSSR. Vol.4. [Dictyocaulidae, Heligmosomatidae, and Ollulanidae in animals] Diktiokaulidy, geligmozomatidy i ollulanidy zhivotnykh. 1954. 323 p. (MIRA 8:4)

1. Akademiya nauk SSSR. Gel'mintologicheskaya laboratoriya. (Nematoda)

IVASHKIN, V.M.; NEMCHINOV, V.S., akademik, redaktor; LAVRENKO, Ye.M., redaktor; SHUL'ZHENKO, I.F., redaktor; SKRYABIN, K.I., akademik, redaktor; PETROV, A.M., redaktor; ALEKSEYEVA, T.V., tekhnicheskiy redaktor.

Helminths of farm animals in the Mongolian People's Republic. Trudy Mong.kom. no.68:3-213 '55. (MLRA 9:3)

1. Chlen-korrespondent AN SSSR (for Lavrenko).
(Parasites--Domestic animals)(Mongolia--Worms, Intestinal and parasitic)

IVASHKIN, V.M.

Life cycle of the thorny-headed worm Moniliformis moniliformis (Bremeer, 1811) Travassos, 1915. Trudy Gel'm.lab. 8:31-32 '56. (MLRA 9:8)

(Acanthocephala)

IVASHKIN, V.M.

Interpreting the developmental cycle of parabronema skrjabini, a nematode parasite of ruminants. Dokl.AN SSSR 107 no.5:773-775 Ap '56. (MLRA 9:8)

1. Gel'mintologicheskaya laboratoriya Akademii nauk SSSR. Predstavleno akademikom K.I. Skryabinym.
(Nematoda) (Parasites--Ruminantia)

IVASHKIN, V. M.

"Parabronamathosis, a New Helminthosis of Ruminants, its Epizcology, Prevention and the Life Cycle of its Causative Agent."

report submitted at Fourth International Regional Conference of Asian Countries on Parasitic Diseases in Animals, 31 May to 7 June 1958, Alma Ata, Kazakh SSR.

Cand. Vet. Sci.; Helminthological Lab, USSR Acad. Sci. Moscow.

SOV-26-58-8-11/51

AUTHORS: Ivashkin, V.M., Candidate of Veterinary Sciences; Ryzhikov, K.M., Candidate of Biological Sciences

TITLE: Study of the Biological Cycles of Nematodes (Izucheniye biologicheskikh tsiklov nematod)

PERIODICAL: Priroda, 1958, Nr 8, pp 63-65 (USSR)

ABSTRACT: Nematodes are a group of parasitic worms, the helminths. They cause considerable loss in agriculture and animal raising. The diseases caused by them are named helminthoses. The biological cycle of many helminths has not yet been investigated. A team of scientists (Ryzhikov, Gubanov, Fedorov) has studied the cycle of Protostrongylus kamenskyi, i.e. of the lung nematodes of the hare in Yakutia. The biological cycle of Gnathostoma hispidum has been discovered by Golovin. This parasite settles in the stomach of animals and sometimes in man. Ivashkin investigated the cycle of Parabronema skrjabini which infects the stomachs of ruminating animals: cattle, camels, sheep, goats, etc. Karmanova investigated the cycle of Hystrichis tricolor infecting the stomachs of domesticated and wild ducks. Further investigations are being

Card 1/2

Study of the Biological Cycles of Nematodes SOV-26-58-8-11/51

undertaken by the Helminthological Laboratory of the USSR Academy of Sciences.
There are 2 diagrams.

ASSOCIATION: Laboratoriya gel'mintologii Akademii nauk SSSR (Laboratory of Helminthology of the USSR Academy of Sciences)

1. Syphacia---Pathological effects 2. Syphacia---Physiolcgical effects
3. Animals---Parasites

Card 2/2

IVASHKIN, V.M.

Epizootiology of Parabronema infestations in ruminants. Trudy Gel'm. lab. 9:97-105 '59. (MIRA 13:3)
(Nematoda) (Parasites--Ruminantia)

IVASHKIN, V.M.

Prophylaxis of thelaziasis in cattle. Trudy Gel'm. lab. 9:106-108 '59. (MIRA 13:3)

(Tuva Autonomous Province--Nematoda) (Parasites--Cattle)

IVASHKIN, V.M.

Developmental cycle of Gongylonema problematicum Schulz, 1924.
Trudy Gel'm. lab. 9:109-112 '59. (MIRA 13:7)
(Nematoda) (Parasites--Mice)

SPASSKIY, A.A.; IVASHKIN, V.M.; BOGOYAVLENSKIY, Yu.K.

Work of the 306th All-Union Helminthological Expedition of 1956 in the Tuva Autonomous Province. Trudy Gel'm. lab. 9:311-313 '59. (MIRA 13:3)

(TUVA AUTONOMOUS PROVINCE--WORMS, INTESTINAL AND PARASITIC)

IVASHKIN, V.M., kand.veterin.nauk

Parabronematosis in ruminants. Veterinariia 36 no.6:26-28 Je '59. (MIRA 12:10)

1. Gel'mintologicheskaya laboratoriya AN SSSR.
(Nematoda) (Ruminantia--Diseases and pests)

IVASHKIN, V.M.

Position of the subfamilies Spiroxyinae (Baylis et Lane, 1920) and Ancyracanthinae (Yorke et Maplestone, 1926) in the system of Spirurata. Trudy Gel'm. lab. 10:92-93 '60.
(MIRA 13:7)

(Nematoda)

IVASHKIN, V.M.

Nematodes of the subfamily Parabronematinae Skrjabin, 1941 in the light of morphological and taxonomic studies. Trudy Gel'm. lab. 10:94-108 '60. (MIRA 13:7)
(Nematoda)

IVASHKIN, V.M.

Investigation of reservoir parasitism in Spirurata. Trudy Gel'm.lab. 11:54-58 '61. (MIRA 15:12)
(Spirura)

IVASHKIN, V.M.

Biological characteristics of Spirurata. Trudy Gel'm.lab. 11:59-91 '61. (MIRA 15:12)
(Spirura)

IVASHKIN, V.M.

Epizootiology and prophylaxis of thelaziasis of camels. Trudy Gel'm.lab. 11:92-94 '61. (MIRA 15:12)
(Thelazia) (Parasites—Camels)

IVASHKIN, V.M.

Reorganization of the system of nematodes of the suborder Spirurata. Trudy Gel'm.lab. 11:95-97 '61. (MIRA 15:12)
(Spirura)

IVASHKIN, V.M.; TIMOFEYEVA, T.N.

Detection of Thelazia lacrymalis (Gurlt, 1831) in asses. Trudy Gel'm.lab. 11:98-101 '61. (MIRA 15:12)
(Thelazia) (Parasites--Asses and mules)

IVASHKIN, V.M.; KHROMOVA, L.A.

Intermediate hosts of Gongylonema pulchrum Molin, 1857 in Uzbekistan. Trudy Gel'm.lab. 11:102-104 '61. (MIRA 15:12)
(Gongylonema--Host animals)

IVASHKIN, V.M., KHROMOVA, L.A.

Epizootiology of habronemiases of domestic solidungulates. Trudy Gel'm. lab. 11:105-108 '61. (MIRA 15:12)
(Habronema muscae) (Parasites--Horses)
(Parasites--Asses and mules)

IVASHKIN, V.M.; TIMOFEYEVA, T.N.; KHROMOVA, L.A.

Causative agents of stephanophilariasis in cattle. Trudy Gel'm. lab. 11:109-114 '61. (MIRA 15:12)
(Parasites—Cattle) (Stephanofilaria)

IVASHKIN, V.M.

Taxonomy of nematodes of the subclass Phasmidia Chitwood et Chitwood, 1933. Trudy Gel'm.lab. 11:115-117 '61. (MIRA 15:12)
(Phasmidia)

SKRYABIN, Konstantin Ivanovich, akademik; SOBOLEV, Andrey Andreyevich, prof.; Prinimal uchastiye IVASHKIN, V.M., doktor veterin.nauk; POPOVA, T.I., red.izd-va; LAUT, V.G., tekhn.red.

[Spirurata of animals and man and the diseases caused by them. Part 1. Spiruroidei] (Spiruraty zhivotnykh i cheloveka i vyzyvaemye imi zabolevaniia. Pt. 1. Spiruroidei. Moskva, Izd-vo Akad. nauk SSSR, Gel'mintologicheskaia laboratoriia. Osnovy nematodologii, vol. 11). (MIRA 16:7)

(Nematoda)

IVASHKIN, V.M.; KHROMOVA, L.A.; SHMYTOVA, G.Ya.

Deciphering the developmental cycle of the nematode Stephanofilaria stilesi Chirwood, 1934, a parasite of the skin of ruminants. Dokl. AN SSSR 153 no.5:1223-1224 D '63.
(MIRA 17:1)

1. Gel'mintologicheskaya laboratoriya AN SSSR. Predstavleno akademikom K.I. Skryabinym.

IVASHKIN, V. M.

"Typification of the biological cycles of the nematodes developing with the participation of the intermediate hosts."

report submitted for 1st Intl Cong, Parasitology, Rome, 21-26 Sep 1964.

Lab of Helminthology, AS USSR, 33 Leninskiy Prospect, Moscow.

IVASHKIN, V.M.; KHROMOVA, L.A.; SMYTOVA, G. Ya.

Significance of biological characters in the taxonomy of some Filarioidea. Trudy Gel'm. lab. 15:79-81 '65 (MIRA 19:1)

IVASHKIN, V.M.; KHROMOVA, L.A.

Biological characteristics of nematodes of the suborder Camallanata Chitwood, 1936. Trudy Gel'm. lab. 14:98-104 '64.
(MIRA 17:10)

IVASHKIN, V.S., inzh.

Automatic sprinklers. Izv. vys. ucheb. zav.; gor. zhur. no.6: 141-143 '61. (MIRA 16:7)

1. Vostochnyy nauchno-issledovatel'skiy institut po bezopasnosti rabot v gornoy promyshlennosti. Rekomendovana kafedroy avtomatizatsii proizvodstvennykh protsessov Sverdlovskogo gornogo instituta.
(Mine dusts—Prevention)
(Automatic control)

IVASHKIN, V.S.

Equipment for a physics and electrical engineering laboratory in a rural school. Fiz. v shkole 23 no.3:80-83 My-Je '63. (MIRA 16 :12)

1. 10-ya Natyrbovskaya srednyaya shkola Koshekhabl'skogo rayona Adygeyskoy avtonomnoy oblasti.

FATUYEV, N.G., gornyy inzh.; IVASHKIN, V.S., gornyy inzh.; LUDYNEV, A.N., kand.geol.-mineral.nauk

Forced ventilation of strip mines using aircraft. Gor.zhur. no.12:59-60 D '64. (MIRA 18:1)

1. NIIOGR, Chelyabinsk.

ONTIN, Ye.I., inzh.; IVASHKIN, V.S.

Evaluating existing types of sprinklers and selecting the optimal conditions for their operation. Nauch. soob. VostNII no.1:30-34 '61. (MIRA 18:5)

GUBIER, T.T.; IVASHKIN, V.T.; KOPYTOVA, M.Yu.; ROBIN, A.A.

Relation between homoconcentration and the severity of burns in man. Pat. fiziol. i eksp. terap. 9 no.4:59-64 Jl-Ag '65.
(MIRA 18:9)

1. Voyenno-meditsinskaya ordena Lenina akademiya imeni S.M. Kirova, Leningrad.

GUBLER, Ye.V., doktor med. nauk; POLONSKIY, Yu.Z.; IVASHKIN, V.T.; LEGEZA, V.I.

Statistical analysis of the morphological state of the blood in healthy persons and its importance for the diagnosis of various diseases. Probl. gemat. i perel. krovi 9 no.7:26-32 Jl '64.
(MIRA 18:3)

1. Voyenno-meditsinskaya ordena Lenina akademiya imeni Kirova i Leningradskiy universitet imeni Zhdanova.

L 13476-66 EWT(d)/EWT(1)/EWP(m)/FS(v)-3/EWA(d)/T IJP(c) GW

ACC NR: AP5026047 SOURCE CODE: UR/0293/65/003/005/0684/0686

AUTHORS: Dashkov, A. A.; Ivashkin, V. V.

ORG: none

TITLE: An unusual property of a family of hyperbolic trajectories

SOURCE: Kosmicheskiye issledovaniya, v. 3, no. 5, 1965, 684-686

TOPIC TAGS: trajectory determination, orbit trajectory, interplanetary trajectory, hyperbolic orbit

ABSTRACT: An unusual property of an axially symmetric family of hyperbolic trajectories of a material point about a planet is derived. The axial trajectory of the family passes through the center of the planet, and all the trajectories have the same direction and magnitude of the velocity vector V_∞ at infinity. Using the result that the angle between the velocity vector of magnitude $V_A^2 = (2\mu/\rho_A) + V_\infty^2$ and the radius vector ρ_A from the center of the planet and to the point A is:

$$\alpha \approx \sin\alpha = \frac{V_\infty}{V_A \rho_A} b,$$

where b is the impact parameter, and μ is the product of the planetary mass and the gravitational constant, it is shown that there is a distance, which is a constant up to terms in α^2 for all trajectories of the family. This distance can be found from

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ACC NR: AP5026047

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$$\rho_B^* = 2k_A\rho_A,$$

where $k_A = V_\infty^2\rho_A/\mu$. Numerical results are presented for the earth, Venus, Mars, and the moon, using the planetary radius for ρ_A and V_∞ = 1--4 km/sec characteristic of interplanetary flight. Orig. art. has: 19 equations, 1 diagram, and 1 table.

SUB CODE: 22, 03/ SUBM DATE: 14Apr65

Card 2/2 DD

ACC NR: AP6007732 SOURCE CODE: UR/0293/66/004/001/0017/0025

AUTHOR: Ivashkin, V. V.

ORG: none

TITLE: Energy optimum transfers from the hyperbolic orbit without limitation upon the transfer time

SOURCE: Kosmicheskiye issledovaniya, v. 4, no. 1, 1966, 17-25

TOPIC TAGS: celestial mechanics, transfer trajectory minimizing sequence

ABSTRACT: Energy-optimum transfers between the initial hyperbolic orbit and certain other orbits in a Newtonian gravitational field with one gravitational center are analyzed under the assumptions that there are no constraints upon the point of application of the impulse, the parameters of transfer orbits, and the transfer time. The problem analyzed here consists in the construction of the minimizing sequence of transfer trajectories on which the value of the characteristic velocity W corresponding to the many-impulse or finite-thrust transfers tends to the lower bound (inf W) on the set of all transfers between two given orbits. To determine the variation of the elements of an arbitrary trajectory (total energy E, focal parameter p, and pericentric distance r_π), their derivatives with respect to W are derived. The derived expressions are used to analyze the following basic problems: Dplane transfer between the hyperbolic and parabolic orbits when the mutual position of lines of apsides is

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ACC NR: AP6007732

not fixed; 2) transfer from a hyperbolic to a parabolic orbit; 3) transfer between two hyperbolic orbits; 4) transfers with fixed position of lines of apsides. The construction of the minimizing sequence of transfers for all these cases is considered. It is shown that transfer between two hyperbolic orbits can be realized with arbitrarily small characteristic velocity and that the energy loss for transfer between the hyperbolic and elliptic orbits depends only on the parameters of an elliptic orbit and does not depend on the mutual orientation of orbits and the magnitude of acceleration due to thrust. Orig. art. has: 26 formulas and 5 figures. [LK]

SUB CODE: 22/ SUBM DATE: 02Jul65/ ORIG REF: 002/ OTH REF: 002/ ATD PRESS: 4218

Card 2/2

L 42121-66 EWT(1)/EWP(m) GW

ACC NR: AP6019586 (A,N) SOURCE CODE: UR/0293/66/004/003/0339/0343

AUTHOR: Ivashkin, V. V.

ORG: none

TITLE: Single impulse transfer from a hyperbolic to an elliptic orbit with a radial impulse

SOURCE: Kosmicheskiye issledovaniye, v. 4, no. 3, 1966, 339-343

TOPIC TAGS: orbit transfer, orbit calculation

ABSTRACT: An analysis is presented of a single impulse transfer from a hyperbolic to an elliptic orbit with a radial impulse. The initial hyperbolic orbit is characterized by the parameters V_∞, the velocity at infinity and ρ, the impact parameter, and the final elliptic orbit by r_α and r_π, the apocentric and pericentric distances respectively (see Fig. 1). When the radial velocity after the impulse is zero, the velocity is

$$V = V_\infty \rho / r.$$

An elliptical orbit is obtained for

$$r > r_p \left[= \frac{V_\infty^2 \rho^2}{2\mu}\right],$$

while a parabolic orbit is obtained for $r = r_p$ and a circular orbit for $r = r_c = 2r_p$.

UDC: 529.3:629.191

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L 42121-66
ACC NR: AP6019586

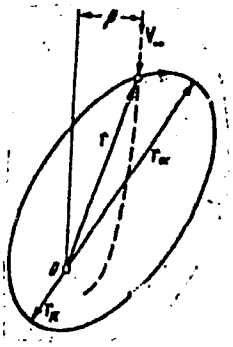

Fig. 1.

Here μ is the product of the gravitational constant and the mass of the attracting point. The required velocity impulse is

$$V_{imp} = \sqrt{V_\infty^2 + \frac{2\mu}{r}(1 - r_p/r)}.$$

The corresponding expressions are also derived for the general case of nonzero radial velocity after impulse. The author thanks V. A. Yegorov, A. K. Platonov, and A. A. Dashkov for valuable comments. Orig. art. has: 31 equations and 4 figures. [04]

SUB CODE: 22/ SUBM DATE: 06May65/ ATD PRESS:

Card 2/2 MLP

ACC NR: AP6028330 SOURCE CODE: UR/0293/66/004/004/0510/0521

AUTHOR: Ivashkin, V. V.

ORG: none

37
9

TITLE: Optimal impulse transfer trajectories between two orbits with constraints upon the distance from the center of gravitation

SOURCE: Kosmicheskiye issledovaniya, v. 4, no. 4, 1966, 510-521

TOPIC TAGS: orbital transfer, ~~impulse transfer~~ ~~orbital transfer~~ trajectory, optimal thrust impulse

ABSTRACT: The peculiarities of the energy-optimal transfer trajectories between two coplanar orbits in a central force field are analyzed under the assumptions that the distance r of a moving body from the center of gravitation is constrained as follows:

$$r_{min} \leq r \leq r_{max} \qquad (1)$$

and that the relative position of the apsidal lines of the initial and the terminal orbits is not known. The necessary conditions which the parameters of the optimal transfer trajectory at the points of application of impulses must satisfy are derived under the assumption

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L 43939-66

ACC NR: AP6028330

that such an optimal transfer trajectory exists. It is proved that the intermediate points of the optimal transfer trajectory (the points between the initial and terminal points) at which the impulses are applied are apsidal, that is, the radial velocity components before the application of the impulse and after the impulse are equal to zero. The general results derived here are applied to the solution of two concrete impulse transfer problems: 1) optimal transfer between elliptic and hyperbolic orbits; 2) optimal transfer between two elliptic orbits. Orig. art. has: 11 figures and 39 formulas. [LK]

SUB CODE: 12/ SUBM DATE: 02Jul65/ ORIG REF: 002/ OTH REF: 004
ATD PRESS: 506/

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Card 2/2

ACC NR: AP7000542 SOURCE CODE: UR/0293/66/004/006/0795/0804

AUTHOR: Ivashkin, V. V.

ORG: none

TITLE: Optimal transfer between elliptic orbits lying in a specified ring

SOURCE: Kosmicheskiye issledovaniya, v. 4, no. 6, 1966, 795-804

TOPIC TAGS: orbit transfer, orbit trajectory, elliptic orbit, continuous function, minimization, differential equation, optimal control, vector function

ABSTRACT: The two-dimensional problem of determining the optimal trajectory for transfer between orbits in a central Newtonian force field is examined. Optimal is defined as minimum characteristic velocity. The initial orbits lie in a specified ring with the center at the attracting point:

$$0 < r_{min} \leq r \leq r_{max} < \infty, \quad r_{min} \neq r_{max}.$$

The initial and final orbits T_i and T_f of the transfer belong to the ring K, i.e., their peri- and apocentric distances $r_{\pi i}$, $r_{\alpha i}$, $r_{\pi f}$, $r_{\alpha f}$ satisfy the inequalities

$$r_{min} \leq r_{\pi i} \leq r_{\alpha i} \leq r_{max}, \quad r_{min} \leq r_{\pi f} \leq r_{\alpha f} \leq r_{max}.$$

The lines of apsides of orbits T_i and T_f are not fixed. The constraints on the phase

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UDC: 519.3:629.191

ACC NR: AP7000542

coordinates are determined, and control on the inner arc of the trajectory is examined. The finiteness of the set of reversing points is shown and the optimal trajectory is discussed. It is shown that the obtained results on optimal transfer are applicable for any ring. The author thanks V. A. Yegorov and the participants in his seminar for their discussion of the problem. Orig. art. has: 46 formulas and 3 appendices.

SUB CODE: 20/ SUBM DATE: 06Apr66/ ORIG REF: 006/ OTH REF: 003

Card 2/2

ACC NR: AP7000543 SOURCE CODE: UR/0293/66/004/006/0805/0814

AUTHOR: Ivashkin, V. V.

ORG: none

TITLE: Classification and analysis of optimal pulse transfers, in the presence of constraints, on the distance from the attracting center

SOURCE: Kosmicheskiye issledovaniya, v. 4, no. 6, 1966, 805-814

TOPIC TAGS: orbit transfer, orbit trajectory, elliptic orbit, minimization, orbit parameter

ABSTRACT: The two-dimensional problem of the optimal transfer between orbits in a central Newtonian force field is examined. Optimal is defined as minimum characteristic velocity. During transfer, the moving point must remain within a specified ring with its center at the attracting point. Five types of initial orbits are classified:

$$r_{min} \leqslant r_\pi \leqslant r_\alpha \leqslant r_{max},$$

$$r_\pi < r_{min}, \quad r_{min} \leqslant r_\alpha \leqslant r_{max},$$

$$r_{min} \leqslant r_\pi \leqslant r_{max}, \quad s_\alpha < s_{max},$$

$$r_\pi < r_{min}, \quad s_\alpha < s_{max},$$

and

$$r_\pi > r_{max} \quad \text{or} \quad r_\alpha < r_{min}.$$

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ACC NR: AP7000543

Three classes of transfers are distinguished. Analysis of two classes of transfers shows that the optimal apsidal transfers for the specified orbits must be known to determine the optimal trajectories of the transfers. All possible versions of optimal apsidal transfers are examined. The obtained results reduce the general problem of optimal pulse transfer in a ring to the problem of minimization of a function of several variables

$$w_{\Sigma}(\Delta V_1, \Delta V_N) = |\Delta V_1| + w_{aps}(\Delta V_1, \Delta V_N) + |\Delta V_N|,$$

where $|\Delta V_1|$ and $|\Delta V_N|$ are the boundary pulses at the initial and final points of the transfer trajectory; w_{aps} is the sum of the pulses for optimal apsidal transfer between orbits T_2 and T_N. Some particular cases are considered. Orig. art. has: 13 formulas, 12 diagrams, and 5 graphs.

SUB CODE: 20/ SUBM DATE: 06Apr66/ ORIG REF: 004

Card 2/2

IVASHKIN, Yevdokim Fomich; ZHELUDKOV, Aleksey Petrovich; BAGRANOVA, N., red.; SKVORTSOVA, L., tekhn.red.

[For an abundance of inexpensive farm produce] Za izobilie deshevoi produktsii. Kostroma, Kostromskoe knizhnoe izd-vo, 1960. 25 p. (MIRA 14:5)
(Nerekhta District--Collective farms)

IVAS'KIV, Yu.L.

Noncontact pulse transducer. Avtom.i prib. no.3:84-85 Jl-S '62. (MIRA 16:2)

1. Institut avtomatiki Gosplana UkrSSR.
(Pulse techniques (Electronics))

SPEKTOR, Mark Yefimovich; IVASHKINA, Dina Aleksandrovna; OCHKRETYANNYY, Mikhail Antonovich; LYUDSKOV, B.P., red.; KISELEVA, A.A., tekhn.red.

[Commercial equipment; handbook] Torgovyi inventar'; spravochnik. Moskva, Gos.izd-vo torg.lit-ry, 1959. 222 p. (MIRA 12:10)
(Retail trade--Equipment and supplies)

ACCESSION NR: AP4022337 S/0301/64/010/001/0024/0027

AUTHOR: Maslov, S. P.; Ivashkina, I. N.

TITLE: In vivo investigation with amytal of the relation between free and nonphosphorylating respiration

SOURCE: Voprosy* meditsinskoy khimii, v. 10, no. 1, 1964, 24-27

TOPIC TAGS: phosphorylating respiration, free respiration, amytal administration, cold conditioned animal, gas exchange resistance

ABSTRACT: Free (nonphosphorylating) and phosphorylating respiration changes were investigated in vivo in white mice because literature data are based only on in vitro tissue culture investigations. White mice were conditioned to cold with subcutaneous injections of sodium amytal solution to withstand -15°C for 10 hrs. General gas exchange resistance to amytal was determined in a gas exchange chamber the first day after it was introduced and the day after conditioning to -15°C. Results show that the general gas exchange of animals conditioned to cold is three times more resistant to amytal than that of control animals. This result concurs with data obtained for

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ACCESSION NR: AP4022337

respiration changes in isolated muscle mitochondria. Amytal inhibits phosphorylating respiration but not free respiration in an intact organism. The use of amytal is recommended for respiration change analyses in in vivo investigations. "The authors take the opportunity to express their deep appreciation to S. Ye. Severin for his support during this study." Orig. art. has: 1 table.

ASSOCIATION: Biologo-pochvennyy* fakul'tet Moskovskogo gosudarstvennogo universiteta im. M. V. Lomonosova (Biology-Soil Department of the Moscow State University)

SUBMITTED: 16Mar63 DATE ACQ: 19Feb64 ENCL: 00

SUB CODE: LS NR REF SOV: 008 OTHER: 012

Card 2/2

MASLOV, S.P.; IVASHKINA, I.N.

Adaptation of white mice to low temperatures as a result of an acute periodical exposure to cold and accompanying changes of some physiological indices of energy metabolism in the body. Nauch. dokl. vys. shkoly; biol. nauki no.2:59-63 '65.
(MIRA 18:5)

1. Rekomendovana kafedroy zoologii pozvonochnykh Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.

MASLOV, S.P.; IVASHKINA, I.A.

Use of amytal in the study of the correlation of free and phosphorylating respiration in vivo. Vop. med. khim. 10 no.1:24-27 Ja-F '64. (MIRA 17:12)

1. Faculty of Biology and Soil Science, M.V. Lomonosov State University, Moscow.

ZAYEV, Petr Petrovich, kand.sel'skokhoz.nauk; ZHEZHEL', Nikolay Grigor'yevich, doktor sel'skokhoz.nauk; FEDOSEYEVA, Marianna Petrovna, kand.sel'skokhoz.nauk; IVASHKINA, L.A., red.; CHUNAYEVA, Z.V., tekhn.red.

[General agriculture] Obshchee zemledelie. Izd.2., perer. i dop. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 367 p. (MIRA 13:11)

(Agriculture)

POPOVA, Gali Mikhaylovna, prof., doktor sel'skokhoz.nauk; LEONT'YEV, Vladimir Mitrofanovich, dotsent, kand.sel'skokhoz.nauk; KOZLOVA, Favsta Ivanovna, dotsent, kand.sel'skokhoz.nauk; ABRAMOVA, Zinaida Vasil'yevna, dotsent, kand.sel'skokhoz.nauk; IVASHKINA, L.A., red.; CHUNAYEVA, Z.V., tekhn.red.

[Guide to practice lessons in the breeding and seed production of field crops] Rukovodstvo k prakticheskim zaniatiiam po selektsii i semenovodstvu polevykh kul'tur. Izd.2., perer. Pod red. G.M.Popovoi. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1960. 376 p. (MIRA 13:11)

(Field crops)

LEONT'YEV, Vladimir Mitrofanovich, kand.sel'skokhoz.nauk; KARMAUKHOV, Ivan Prokof'yevich, kand.sel'skokhoz.nauk; IVANOV, Dem'yan Andreyevich, kand.sel'skokhoz.nauk; IVASHKINA, L.A., red.; CHUNAYEVA, Z.V., tekhn.red.

[Field crop and meadow cultivation] Polevodstvo i lugovodstvo. Izd.3., perer. Leningrad, Gos.izd-vo sel'khoz.lit-ry, 1960. (MIRA 14:3)
696 p.
(Field crops) (Pastures and meadows)

IVANOV, D.A.; IVASHKINA, L.A., red.; BARANOVA, L.G., tekhn. red.

[Growing sugar beets for cattle feeding] Vyrashchivanie sakharnoi svekly na korm skotu. Leningrad, Sel'khozizdat, 1962. (MIRA 15:7)
81 p.
1. Zaveduyushchiy otdelom kormovogo proizvodstva Severo-Zapadnogo nauchno-issledovatel'skogo instituta sel'skogo khozyaystva (for Ivanov).
(Russia, Nortwestern--Sugar beets)