MAMAYEV, B.M.

Practical concept of genus and species in gall midges
(Diptera, Cecidomyiidae). Zool.zhur. 44 no.11:1661-1669
'65.   (MIRA 18:12)

1. Institut morfologii zhivotnykh AN SSSR, Moskva.

MAMAYEV, Boris Mikhaylovich; KRIVOSHEINA, Nina Pavlovna; GILYAROV,
M.S., doktor biol. nauk prof., otv.red.

[Larvae of gall gnats (Diptera, Cecidomyiidae); comparative
morphology, biology, taxonomic tables] Lichinki gallits
(Diptera, Cecidomyiidae); sravnitel'naia morfologiia, bio-
logiia, opredelitel'nye tablitsy. Moskva, Nauka, 1965.
276 p.   (MIRA 18:3)

MAMAYEV, B.M., kand. biol. nau

Systematic position of the Leptosynini Enderlein tribe in the
family of gall gnats (Itonididae, Diptera). Cas entom 61 no.2:
89-99 '64.

1. A.N. Severtsov Institute of Animal Morphology, Academy of
Sciences of U.S.S.R., Moscow B-133, 1.Akademicheskiy proezd
12.

BALASHOV, Yu.S.; MAMAYEV, B.M.

Brief news and information. Zool. zhur. 43 no.9:1419-1422 '64.
(MIRA 17:11)

MAMAYEV, B.M.

Ecological aspects of the evolution of gall gnats (Diptera, Itonididae-
Cecidomyiidae). Zool. zhur. 43 no.8:1161-1172 '64. (MIRA 17:11)

1. Institut morfologii zhivotnykh AN SSSR, Moskva.

MAMAYEV, B.M.

Gall gnats of the U.S.S.R. Report No.4: New species of the tribe
Lestremiini (Itonididae, Diptera). Zool. zhur. 43 no.5:776-779
'64   (MIRA 17:7)

1. Institut morfologii zhivotnykh AN SSSR, Moskva.

KRIVOLUTSKIY, D.A.; CHEREPANOV, A.I.; MAMAYEV, B.M.; DLUSSKIY, G.M.

Brief news and information. Zool. zhur. 42 no.7:1119-1126 '63.
(MIRA 17:2)

GILYAROV, M.S.; MAMAYEV, B.M.

Soil-inhabiting insects in irrigated areas of Uzbekistan. Zashch.
rast. ot vred. i bol. 8 no.11:21-22 N '63.   (MIRA 17:3)

1. Institut morfologii zhivotnykh imeni A.N.Severtsova.

MAMAYEV, B.M.

Gall gnats of the U.S.S.R. Part. 5: New Central Asiatic
species from the tribes of Lestremiini, Micromiini, Porricondulini
(Diptera Itondidae). Uzb.biol.zhur. 7 no.2:70-77'63. (MIRA 16:8)

1. Institut morfologii zhivotnukh imeni A.N.Severtsova, AN SSSR.
(UZBEKISTAN—GALL GNATS)

KOZARZHEVSKAYA, E.F.; MAMAYEV, B.M.

Succession of insects and other invertebrates in spruce wood
and their role in the decomposition of windfallen trees and
felling waste. Izv. AN SSSR. Ser. biol. no.3:449-454 My-Je '62.
(MIRA 15:6)

1. Institute of Animal Morphology, Academy of Sciences of the
U.S.S.R., Moscow.

(FOREST INSECTS)
(SPRUCE—DISEASES AND PESTS)

MAMAYEV, Boris Mikhaylovich; GILYAROV, M.S., doktor biol. nauk, otv.
red.; MESSNER, O.M., red. izd-va; MAKOGONOVA, I.A., tekhn.red.

[Gall midges, their biology and economic significance]Gallitsy,
ikh biologiia i khoziaistvennoe znanhenie. Moskva, Izd-vo Akad.
nauk SSSR, 1962. 71 p. (MIRA 15:12)

(Gall gnats)

KRIVOSHEINA, N. P.; MAMAYEV, B. M.

Larvae of the European species of syrphid flies of the genus
Temnostoma (Diptera, Syrphidae). Ent. oboz. 41 no.4:921-930
'62.   (MIRA 16:1)

1. Laboratoriya pochvennoy zoologii Instituta morfologii
zhivotnykh imeni Severtsova AN SSSR, Moskva.

       (Syrphus flies)   (Larvae—Insects)

MAMAYEV, B.M.

New members of Nearctic gall gnat genera (Itonididae, Liptera)
in the fauna of the European part of the U.S.S.R. Dokl. AN
SSSR 139 no.1:227-229 Jl '61.   (MIRA 14:7)

1. Institut morfologii zhivotnykh im. A.N. Severtsova AN SSSR.
Predstavleno akademikom Ye.N. Pavlovskim.
                    (Moscow Province--Gall gnats)
                    (Voronezh Province--Gall gnats)

MAMAYEV, Boris Mikhajlovich, kand. biol. nauk

New gall midges of the genus Ametrodiplosis Rubs. (Lowodiplosis Kieff.)
(Diptera, Itonididae). Cas entom 58 no.4:384-388 '61.

1. Laboratoriya pcchvennoy zoologii Instituta morfologii zhivotnykh
im. A. N. Severtsova AN SSSR, Moskva.

(Diptera)

MAMAYEV, B.M.

Gall gnats of the U.S.S.R.; new species of the genus Camptomyia
Kieffer (Itonididae, Diptera). Zool. zhur. 40 no.11:1677-1690
N '61.   (MIRA 14:11)

1. Laboratory of Soil Zoology, Institute of Animal Morphology,
U.S.S.R. Academy of Sciences, Moscow.
                              (Gall gnats)

MAMAYEV, B.M.

Description of the gall gnat Aprionus smirnovi Mamajev Sp.n.
(Itonididae, Diptera). Zool. zhur. 40 no.4:614-615 Ap '61.
(MIRA 14:3)

1. Laboratory of Soil Zoology, Institute of Animal Morphology,
U.S.S.R. Academy of Sciences (Moscow).
        (Novoprokhladnoye region—Gall gnats)

MAMAYEV, B.M.; SEMENOVA, L.M.

Structural characteristics of the cuticle and cuticular formations
in larvae of xilophilous insects as adaptations for life in wood.
Zool. zhur. 40 no.3:351-358 Mr '61.   (MIRA 14:3)

1. Laboratory of Soil Zoology, Institute of Animal Morphology, U.S.S.R.
Academy of Sciences, Moscow.
        (Insects--Anatomy) (Epidermis) (Trees--Disease and pests)

MAMAYEV, B.M.

New species of the genera Trisopsis Kieff. and Triommatomyia, gen.n
(Diptera, Itonididae). Ent. oboz. 40 no.2:405-412 '61.

(MIRA 14:6)

1. Institut morfologii zhivotnykh imeni A. N. Severtsova AN
SSSR, Moskva.

(Gall gnats)

MAMAYEV, B.M.

Description of two new genera and a species of gall gnats
(Itonididae, Diptera) developing in rotten wood. Zool.
zhur. 39 no. 10:1521-1524 O '60.   (MIRA 13:11)

1. Laboratory of Soil Zoology, Institute of Morphology, U.S.S.R.
Academy of Sciences, Moscow.
            (Voronezh Province--Gall gnats)
  (Moscow Province--Gall gnats)   (Forest insects)

MAMAYEV, B.M.

Larvae of stag beetles (Coleoptera, Lucanidae) as destructors of
decaying wood in oak forests of the European part of the U.S.S.R.
Zool.zhur. 39 no.6:873-881 Je '60.   (MIRA 13:7)

1. Laboratory of Soil Zoology, Institute of Animal Morphology,
U.S.S.R. Academy of Sciences, Moscow.
        (Stag beetles)   (Forest insects)

MAMAYEV, B.M.

The gall gnat Micropteromyia ghilarova gen. et sp. nov. (Diptera, Itonididae) with reduced wings. Ent. oboz.39 no.4:951-955 '60.

(MIRA 14:3)

1. Laboratoriya pochvennoy zoologii Instituta morfologii zhivotnykh imeni A.N. Severtseva SSSR, Moskva.

(Tula Province—Gall gnats)

MAMAYEV, B.M.

Fourth Congress of the All-Union Entomological Society. Izv.
AN SSSR. Ser. biol. no. 4:633-636 Jl-Ag '60.   (MIRA 13:8)
        (ENTOMOLOGY—CONGRESSES)

MAMAYEV, B.M.

Zoological evaluation of various stages of the natural disintegra-
tion of wood. Iz. AN SSSR. Ser. biol. no. 4:610-617 Jl-Ag '60.
(MIRA 13:8)

1. Institut morfologii zhivotnykh Akademii nauk SSSR.
   (FOREST ECOLOGY) (INVERTEBRATES)

MAMAYeV, B. M., Cand Bio Sci -- (diss) "Adoptive characteristics of

Invertebrate Xylobionts and Their Role in the Natural Decomposition of

Wood," Moscow, 1960, 19 pp, 130 copies (Moscow State U. im M. V. Lomo-

nosov) (KL, 47/60, 100)

MAMAYEV, B.M.

Possibility for using peculiarities of head structure in identification of gallflies (Itonididae, Diptera) [with English summary in insert].
Zool.zhur.35 no.8:1186-1192 Ag '56.
(MLRA 9:10)

1.Kafedra zoologii Moskovskogo gosudarstvennogo pedagogicheskogo instituta imeni V.I.Lenina.
(Gallflies)

MAMAYEV,B.M.

Ratio of sexes and the possibility of parthenogenesis in gall
midges. Zool.zhur. 34 no.3:564-569 My-Je '55. (MLRA 8:8)

1. Kafedra zoologii Moskovskogo gosudarstvennogo pedagogiche-
skogo instituta im. V.I.Lenina.
            (Parthenogenesis (Animals)) (Gall gnats)

L 21876-65

ACCESSION NR: AT5001229

the throat of an interblade channel. The relations obtained explain qualitatively
the nature of the flow. They indicate, in particular, that for a subcritical
pressure drop in the array the character of the flow depends strongly on the throat
angle, small values of which can lead to confusor type of flow. A design principle
is proposed for the axial section of a turbine blade array on the basis of the
derived equations. Orig. art. has: 4 figures and 13 formulas.

ASSOCIATION: None

SUBMITTED: 12Aug64   ENCL: 00   SUB CODE: PR

NO REF SOV: 000   OTHER: 000

Card 2/2

Abstract: Equations are presented for the determination of the exit angle of the stream, taking into account the compressibility of the gas, the variation of the blade with the channel length, and the geometrical features of the given blade array. The flow of the gas between the blades is assumed plane and stationary and the equations are derived from the impulse balance relations. The theoretical results are compared with experimental data and good agreement is obtained. The calculations show that the actual exit angle depends on the stream velocity, on the through extent, and edge angles, and on the magnitude and distribution of the losses along the channel. An equation is derived for the critical gas escape velocity in

ACCESSION NR: AP4033043   ENCLOSURE: 02

Figure 1. Derivation of the theoretical formulas θ_1 - flow intake angle; AF
and DE - congruent lines; θ_{kop} & θ_{cn} - the angle between the front and tan-
gential to the profile at the place the output rim connects, respectively,
with the trough contour (at point M) and the back; δ - flange angle; $\delta = \theta_c - \theta_{cn}$

Card 6/6
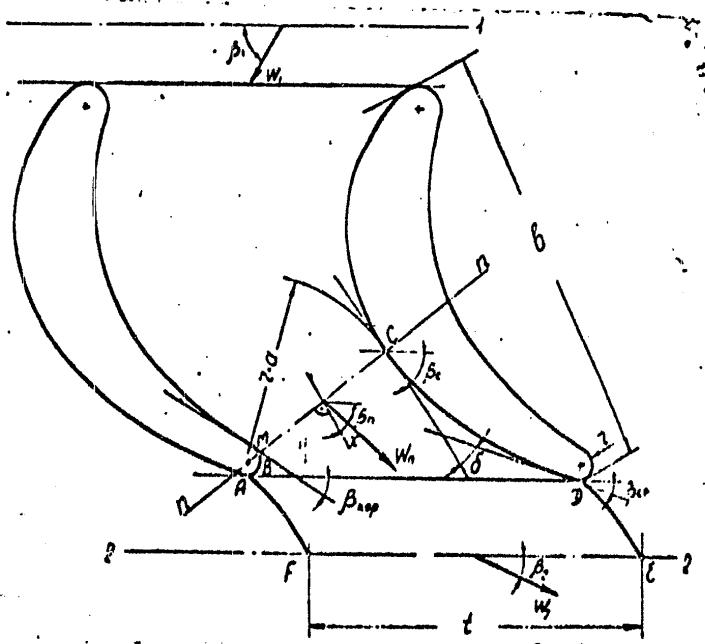
ACCESSION NR: AP4033043   ENCLOSURE: 01

Card 5/6

ACCESSION NR: AP4033043

ASSOCIATION: none

SUBMITTED: 10Nov63　　　　　　　　　　DATE ACQ: 11May64　　　　　ENCL: 02

SUB CODE: PR　　　　　　　　　　　　　NO REF SOV: 008　　　　　　　OTHER: 002

Card 4/6

ACCESSION NR: AP4033043

or

$$\beta_2 = \operatorname{arctg}\left(\frac{a}{t} \cdot \frac{\rho_n \cos \chi}{\rho_0 \cos \beta_n}\right), \tag{4}$$

When $\lambda_{02} \geqslant \lambda_{02}^{\pi\rho e\Delta}$ (including supercritical), formulas

$$\beta_2 = \arcsin\left[\frac{a}{t}\cos\chi \frac{y(\psi_{1-n})\pi(1)}{y(\psi_{np}\lambda_{02})\pi(\lambda_{02})}\right], \tag{5}$$

or

$$\beta_2 = \arcsin\left(\frac{a}{t}\cos\chi \frac{\psi_{1-n}\rho_n^{\pi\rho e\Delta}}{\psi_{np}\lambda_{02}\rho_2}\right). \tag{6}$$

are used. (Note: the letters $\pi\rho$ refer to the blade profile). These formulas explain the qualitative picture of the flow in blade rows and are quantitatively confirmed by experimental results. Orig. art. has: 10 formulas, 7 figures and 2 tables.

Card 3/6

ACCESSION NR: AP4033043

The author has obtained two expressions:

$$\frac{a}{t} \cdot \frac{y(\psi_{1-n}) \pi(1)}{y(\lambda_{02}^{npe\pi} \psi_{np}) \pi(\lambda_{02}^{npe\pi})} \cos\chi - \sqrt{1 - \left(\frac{\psi_{1-n}}{\psi_{np}} \frac{\cos\beta_n}{\lambda_{02}^{npe\pi}}\right)^2} = 0, \qquad (1)$$

$$\psi_{1-n}\rho_n \cos\chi - \psi_{np} \lambda_{02}^{npe\pi} \rho_2^{npe\pi} t \sqrt{1 - \left(\frac{\psi_{1-n}}{\psi_{np}} \frac{\cos\beta_n}{\lambda_{02}^{npe\pi}}\right)^2} = 0, \qquad (2)$$

(where a is the dimension of the neck; t is the pitch of the row; ψ is the velocity factor; λ is the reduced velocity; $y(\lambda)$ and $\pi(\lambda)$ are gas-dynamic functions; the letters $\pi\rho e\Delta$ indicate a limiting condition) for the calculation of the velocity at discharge from the array $\lambda_{02}^{\pi\rho e\Delta}$ at which a critical condition develops in the neck of the channel. At a velocity of $\lambda_{02} \langle \lambda_{02}^{\pi\rho e\Delta}$ the escape angle is found according to the formulas:

$$\beta_2 = \arcsin\left[\frac{a}{t} \cos\chi \frac{y\left(\lambda_{02}\psi_{np} \frac{\cos\beta_2}{\cos\beta_n}\right) \pi\left(\lambda_{02} \frac{\psi_{np}}{\psi_{1-n}} \frac{\cos\beta_2}{\cos\beta_n}\right)}{y(\lambda_{02}\psi_{np}) \pi(\lambda_{02})}\right], \qquad (3)$$

Card 2/6

ACCESSION NR: AP4033043   S/0147/64/000/001/0075/0084

AUTHOR: Aronov, B.M.; Mamayev, B.I.

TITLE: Determination of the gas flow escape angle from blade rows of axial-
flow turbines

SOURCE: IVUZ. Aviatsionnaya tekhnika, no. 1, 1964, 75-84

TOPIC TAGS: turbine, turbine blade, blade calculation, turbine blade calcul-
ation, gas flow, escape angle, blade row, gas turbine, gas, compression, gas
compressibility, pitch, turbine blade profile, blade profile

ABSTRACT: In this article functions are proposed for the determination of the
discharge angle. These functions take into consideration the geometric pec-
uliarities of the blade array, the compressibility of the gas, and the variable
losses along the length of the channel. Formulas are derived which make it
possible to determine the escape angle of the flow from a flat turbine blade
array, both at subcritical and at supercritical discharge rates from the blade
row. Fig. 1 of the Enclosure shows the derivation of the theoretical formulas.

Card 1/6

VERTINSKIY, K.I., prof.; ALIKAYEV, V.A., dotsent; PODKOPAYEV, V.M., dotsent;
    SHISHKOV, V.P., dotsent; ANDREYEV, I.A., veterin. vrach (Moskovskaya
    ^hl.); VLASOV, V.P., veterin. vrach (Moskovskaya obl.); MAMAYEV, A.P.,
    veterin.vrach (Moskovskaya obl.); SHUL'GOVSKIY, I.P., veterin. vrach
    (Moskovskaya obl.)

Diagnosis, therapy, and prophylaxis of toxic dyspepsia in calves.
Veterinariia 41 no.1:59-64 Ja '65.   (MIRA 18:2)

1. Moskovskaya veterinarnaya akademiya (for Vertinskiy, Alikayev,
Podkopayev, Shishkov).

VILENSKIY, M.M., dotsent; MAMAYEV, A.N.

Department for the organization of the public health system improves its work. Zdrav. Ros. Feder. 4 no.6:32-34 Je '60. (MIRA 13:9)

1. Iz kafedry organizatsii zdravookhraneniya (zav. - dotsent M.M. Vilenskiy) Izhevskogo meditsinskogo instituta (dir. - prof. N.F. Rupasov) i 1-y Respublikanskoy klinicheskoy bol'nitsy (glavnyy vrach A.N. Mamayev).
(UDMURT A.S.S.R.—PUBLIC HEALTH)

MAMAYEV, A.

For an increased participation in mass efficiency promotion and
invention. Zhil.-kom.khoz. 9 no.12:8-9 '59.
(MIRA 13:4)
(Efficiency, Industrial) (Inventions, Employees')

MAMAYEV, A., inzhener.

Constantly widen ranks of inventors and efficiency promoters.
Zhil.-kom.khoz. 6 no.8:17-18 '56.   (MLRA 10:2)

(Efficiency, Industrial)

MAMAYEV, A., inzhener.

Develop in every way possible the creative initiative of inventors
and efficiency innovators. Zhil.-kom.khoz. 6 no.1:24-25 '56.
(MLRA 9:5)

(Inventions) (Municipal services)

MAMAYEV, A.I.

Inventions and efficiency suggestions submitted by municipal
service employees. Izobr. v SSSR 1 no.5:43-44 N '56.
(MLRA 10:3)

(Inventions) (Municipal services)

MAMAYEV, A.

Improving the work on laborsaving and innovations. Zhil.-kom.khoz. 3 no.8:
7-8 Ag '53.
(MLRA 6:8)
(Municipal services)

1. MAMAYEV, ENG.A.

2. USSR (600)

4. Efficiency, Industrial

7. Broader development of the creative initiative of inventors and those with laborsaving ideas.
   Zhil.-kom. khoz. 2 no. 9:11-13, 1952

9. <u>Monthly List of Russian Accessions</u>, Library of Congress, _____January_____ 1953. Unclassified.

MAMAYEV,A.I.; SHCHERBINA,I.T.

Device for a uniform feeding of press rollers and a record of their productivity. Ogneupory 20 no.5:233-234 '55. (MLRA 8:11)

1. Zavod ogneupornykh izdeliy imeni Ordzhonikidze
                          (Pressed brick)

MAMAYEV, A., podpolkovnik

Organization work should be on the level of party demands.
Komm. Vooruzh. Sil 46 no.15:57-43 Jr '63.   (MIRA 16:?)

1. Kandidat v chleny TSentral'nogo komiteta Paraguznogo
Leninskogo kommunisticheskogo soyuza molodezhi.

MAMAYEV, A., podpolkovnik

When the alarm signal was heard...Komm. Vooruzh. Sil 5 no.23:71-76 D '64.
(MIRA 18:1)

MAMAYENKO, P

USSR/Miscellaneous - Radio stations

Card 1/1   Pub. 89 - 4/29

Authors   : Mamaenko, P., manager of a Kolkhoz Radio-Center (radio broadcasting and re-
              ceiving station)
Title   : A radio broadcasting and receiving station at a collective farm

Periodical : Radio 9, page 8, Sep 1954

Abstract   : Work at the radio-center of the Kolkhoz "Dumka Lenina", in the District of
              Vinnitsa (Ukraine) is described. The article is of local interest.

Institution : ...

Submitted   : ...

MAMAYENKO, P., zaveduyushchiy kolkhoznym radiouzlom.

In a collective farm radio reception and rediffusion center. Radio
no.9:6-7 S '54.   (MLRA 7:9)
          (Radio in agriculture)

ZAIKA, Il'ya Nikitovich; DRABAN, Anna Zinov'yevna; KRAVTSOV, Igor'
Alekseyevich; MAMAYCHUK, Nina Mikhaylovna; MATSAKOV, G.S.,
red.

[Accelerated drying of buildings under construction] Usko-
rennaia sushka stroiashchikhsia zdanii. Kiev, Budivel'nyk,
1965. 21 p. (MIRA 18:7)

MAMAYCHUK, M.I.; VASHCHENKO, T.N.

Reversion of the filtering forms of Proteus in the animal body.
Zhur. mikrobiol., epid. i immun. 40 no.9:138 S '63.

(MIRA 17:5)

1. Iz Pyatigorskogo farmatsevticheskogo instituta.

MAMAYCHUK, M. I.

· Pathogenicity toxicity for laboratory animals of B. proteus isolated
from wounds. Zhur. mikrobiol. epid i immun. 31 no.6:66-71 Je '60.
(MIRA 13:8)

1. Iz kafedry mikrobiologii Pyatigorskogo farmatsevticheskogo instituta.
(PROTEUS)

SHINKARENKO, A.L.; MAMAYCHUK, M.I.; SUNTSOVA, L.D.

Antagonistic effect of substances from the green-blue algae.
Zhur. mikrobiol. epid. i immun. 31 no. 5:116 My '60.

(MIRA 13:10)

1. Iz Pyatigorskogo farmatsevticheskogo instituta.
(ALGAE) (BACTERICIDES)

MAMAYCHUK, M.I.

Distribution of Bacillus proteus in the environment; author's abstract.
Zhur.mikrobiol.epid. i immun. 29 no.7:134-135 Jl'58   (MIRA 11:8)

1. Iz kafedry mikrobiologii Pyatigorskogo farmatsevticheskogo instituta.
        (PROTEUS VULGARIS)

MAMAYCHUK, M.I.

Problem of variability. Zhur.mikrobiol.epid. i immun.,supplement
for 1956:7-8 '57   (MIRA 11:3)

1. Iz kafedry mikrobiologii Pyatigorskogo farmatsevticheskogo instituta.
        (BACTERIA, PATHOGENIC)

MAMAYCHUK, M.I., dots.; MANDRYKINA, L.D., biolog; VAGSHUL', I.I.

Case of food poisoning of staphylococcal etiology. Gig. i san. 24
no.2:82-84 F '59.   (MIRA 12:3)

1. Iz kafedry mikrobiologii Pyatigorskogo farmatsecticheskogo insti-
tuta i Pyatigorskoy sanitarno-epidemiologicheskoy stantsii.
          (FOOD POISONING, etiol. & pathogen.
               Micrococcus pyogenes (Rus))
          (MICROCOCCAL INFECTIONS, case reports
               food pois. (Rus))

MAMAYASHVILI, F. I.

Zoogigiyena i vazhneyshiye bolezni sel'skokhozyaystvennykh zhivotnykh
(Animal Hygiene and the Most Important Diseases of Farm Animals). Tbilisi,
Gosizdat Georgian SSR. 348 pages with illustrations. In the Georgian language.

U-5235

Country : USSR   M
Category: Cultivated Plants. Grains.

'ls Jour· Ref Zhiol., No 11, 1958, No 48881

Author : Mamay, Ye.I.; Kochetkova, A.P.; Laktionova, R.A.,
          Dedy, G.G.
Inst   : Kubansk Agricultural Inst.
Title   : The Effect of Phosphorobacterin on the Corn Yield.

Orig Pub: Sb. stud. nauchn. rabot. Kubansk s.-kh. in-t, 1956
          (1957), vyp. 1, 157-159

Abstract: The yield of cobs increased by 12.1 centners/ha.
          with the treatment of the seeds of VIR-42 variety
          of corn with a double dose of phosphorobacterin.
          The cobs were large and plump.

Card   : 1/1'

MAMAY, N.Ya., brigadir sutochnoy kompleksnoy brigady, Geroy Sotsialisticheskogo
Truda; POSEVKIN, O.G., gornyy inzh.

Record performance of the UKR-1 cutter-loader at the No.1 "Sukho-
dol'skaia" mine. Ugol' 39 no.1:14-17 Ja '64.   (MIRA 17:3)

1. ᴾhakhta "Sukhodol'skaya" No.1 tresta Krasnodonugol' (for Mamay).
2. Donetskiy sovet narodnogo kjozyaystva (for Posevkin).

VOYNASH, V., mashinist kombayna; MAMAY, N., Geroy Sotsialisticheskogo
    Truda

We head toward communism. Sov.shakht. 10 no.9:3 S '61.
                                                    (MIRA 14:8)
1. Shakhta No.77 Luganskogo sovnarkhoza (for Voynash).
2. Brigadir shakhty No.1 "Sukhodol'skaya" tresta Krasnodonugol'
(for Mamay).
            (Coal mines and mining--Labor productivity)

MAMAY, N., Geroy Sotsialisticheskogo Truda

On guard. Sov.shakht. 10 no.3:3 Mr '61.   (MIRA 14:7)

1. Rukovoditel' brigady kommunisticheskogo truda na shakhte No.2 "Severnaya" Luganskogo sovnarkhoza.
            (Coal mines and mining)

MAMAY, Nikolay Yakovlevich, Geroy Sotsialisticheskogo Truda, deputat
Verkhovnogo Soveta SSSR.

Letter addressed by N.IA. Mamai to comrade N.S. Khrushchev. Ugol'
Ukr. 5 no.1:2 Ja '61. (MIRA 14:1)

1. Brigada gornyakov shakhty Np.2 "Severnaya" tresta Krasnodonugol',
g. Krasnodon, Luganskoy oblasti.
(Mamai, Nikolai Iakovlevich)
(Donets Basin—Coal miners)

MAMAY, N.Ya., Geroy Sotsialisticheskogo Truda

Work practices of a brigade of communist labor. Ugol' 35 no.8:21-
22 Ag '60. (MIRA 13:9)
(Coal mines and mining--Labor productivity)

MAMAY, N.Ya., Geroy Sotsialisticheskogo Truda

Under a new system. Ugol' Ukr. 4 no.8:13 Ag '60.
(MIRA 13:9)

1. Shakhta No.2 "Severnaya" tresta Krasnodonugol'.
(Donets Basin--Coal mines and mining)

MAMAY, Nikolay Yakovlevich, shakhter-novator, Geroy Sotsialisticheskogo
Truda, delegat XXI s"yezda Kommunisticheskoy partii Sovetskogo Soyuza.

We'll finish the assignment of the seven-year plan in four and
a half years. Okhr.truda i sots.strakh. no.3:8-10 Mr '59.

(MIRA 12:4)

(Don Valley--Mineral industries)

MAMAY, N., brigadir navalootboyshchikov, Geroy Sotsialisticheskogo Truda, deputat Verkhovnego Soveta SSSR.

A year of labor, a year of achievements. Izobr. i rats. no.1:5 Ja '59. (MIRA 12:1)

1. Shakhta No.2 "Severnaya."
(Economic conditions)

MAMAY, Nikolay Yakovlevich, Geroy Sotsialisticheskogo Truda, deputat
Verkhovnogo Soveta SSSR; BELYAKOV, V., red.; MUKHIN, Yu.,tekhn.red.

[Communist's word] Slovo kommunista. Moskva, Gos.izd-vo polit.
lit-ry, 1959. 62 p.   (MIRA 12:4)

1. Brigadir zaboyshchikov shakhty No.2 "Severnaya" tresta "Krasno-
donugol'" (for Mamay).
                    (Donets Basin--Coal mines and mining)

MAMAY, L.V.

Continuous type expansions for characteristic functions. Vest.
LGU 20 no.1:34-46 '65.   (MIRA 18:2)

89500

S/043/60/000/001/006/014

On the theory of characteristic . . .   C 111/ C 333

$$\prod_{j=1}^{\infty} \varphi_j(a_j t) \text{ and } \prod_{j=1}^{\infty} \varphi_j(b_j t) \text{ converge uniformly in a neighborhood}$$

of zero (the $\varphi_j(t)$ are the characteristic functions of the X_j). Let $\left|\dfrac{a_j}{b_j}\right|$ $(j = 1, 2, \dots)$ be bounded from above and below and let $L_1(X)$ and $L_2(X)$ be independent, i. e.

$$E \exp i(t_1 L_1 + t_2 L_2) = E \exp i t_1 L_1 \cdot E \exp i t_2 L_2$$

for arbitrary real t_1, t_2. Those X_j for which $a_j b_j \neq 0$ are then normally distributed.

There are 6 Soviet-bloc references.

SUBMITTED: February 13, 1959

Card 4/4

On the theory of characteristic . . .   C 111/ C 333

on the real axis, then that they are holomorphic in a neighborhood of zero, and finally that in every neighborhood of zero, where the $\varphi_j(t)$ are regular and free of zeros, it holds

$$\prod_{j=1}^{\infty} \varphi_j^{\alpha_j}(t) = \varphi_0(t) \qquad ; \qquad (5)$$

furthermore, that $\varphi_j(t)$ are regular in the entire strip $|\operatorname{Im} t| < M_0$. The transition to the $f_j(t)$ is carried out with the aid of the theorem of D. A. Raykov (Ref.6: JAN SSSR, $\underline{1}$, 98, 1938).

From theorem 1 one obtains the following generalization of the theorem of V. P. Skitovich (Ref.3: DAN SSSR, $\underline{89}$, 217, 1953): Let X_1, x_2, ... X_n, ... be independent random variables. Let

$$L_1(X) = a_1 X_1 + a_2 X_2 + \ldots + a_n X_n, \ldots, L_2(X) = b_1 X_1 + b_2 X_2 + \ldots$$

... + $b_n X_n$ + ... The convergence of $L_i(X)$ (i = 1,2) is understood in the sense that the infinite products

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89500

On the theory of characteristic . . .

in the same strip, and (1) has a sense and is valid in the whole strip $|\text{Im } t| < M_0$.

Theorem 2: If the characteristic functions $f_j(t)$ $(j = 1,2,\ldots)$ satisfy for a sequence of real numbers $t_k \to 0$ for $k \to \infty$ the equation

$$\prod_{j=1}^{\infty} f_j^{\alpha_j}(t_k) = \varphi(t_k) , \qquad (2)$$

where $\varphi(t)$ is a function of a complex variable with properties as in theorem 1, $\alpha_j > \varepsilon_0 > 0$ $(j = 1,2,\ldots)$, and if there is a neighborhood of zero in which none of the $f_j(t)$ vanishes, then the characteristic functions $f_j(t)$, $j = 1,2,\ldots$, are also functions of a complex variable which are holomorphic in $|\text{Im } t| < M_0$, and the equation (2) holds in the whole strip $|\text{Im } t| < M_0$. For the proof the author puts $\varphi_0(t) = \varphi(t) \cdot \varphi(-t) = |\varphi(t)|^2 > 0$; $\varphi_j(t) = f_j(t)f_j(-t)$ and proves in five lemmata that the $\varphi_j(t)$ are twice differentiable on the real axis, then that the $\varphi_j(t)$ are infinitely differentiable

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16.6100

S/043/60/000/001/006/014
C111/ C 333

AUTHOR: Mamay, L. V.

TITLE: On the theory of characteristic functions

PERIODICAL: Leningrad. Universitet. Vestnik. Seriya matematiki,
            mekhaniki i astronomii, no. 1, 1960, 85-99

TEXT: Generalizing the results of Yu. V. Linnik (Ref. 1: Usp.
matem. nauk, $\underline{10}$, 137-138, 1955; Ref. 4: DAN SSSR, $\underline{116}$, No. 5,
1957; Ref. 5: Vestnik LGU, No. 1, 1959) and A. A. Zinger and Yu.
V. Linnik (Ref. 2: Vestnik LGU, No. 11, 51-56, 1955) to the case of
a denumerable number of factors the author proves the theorems:

Theorem 1: If the characteristic functions $f_1(t)$, $f_2(t)$, ..., $f_j(t)$,

... satisfy in a certain real neighborhood of zero the equation

$$\prod_{j=1}^{\infty} f_j^{\alpha_j}(t) = \varphi(t) \tag{1}$$

where $\varphi(t)$ is a function of a complex variable holomorphic in
$|\text{Im } t| < M$ and possesses no zeros and $\alpha_j > \varepsilon_0 > 0$ $(j = 1, 2, ...)$,
then they are also functions of a complex variable, holomorphic

Card 1/4

On Some Theorems of the Theory of Positive-Definite   SOV/20-126-2-12/14
Functions

satisfy the equation

$$(2) \qquad \prod_{j=1}^{\infty} f_j^{\alpha_j}(t_k) = \varphi(t_k),$$

where $\varphi(t)$ has the same properties as in theorem 1 and $\alpha_j > \varepsilon_0 > 0$, and if there exists a neighborhood of zero in which all $f_j(t)$ are different from zero, then the $f_j(t)$ are functions of a complex variable which are holomorphic in $|Im\ t| < M_0$ and (2) holds in the whole strip $|Im\ t| < M_0$.

The author mentions V.P.Skitovich.

There are 6 references, 4 of which are Soviet, and 2 French.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet imeni A.A.Zhdanova (Leningrad State University imeni A.A.Zhdanov)

PRESENTED: January 23, 1959, by V.I.Smirnov, Academician

SUBMITTED: January 18, 1959

Card 2/2

16(1)

AUTHOR: Mamay, L.V.

TITLE: On Some Theorems of the Theory of Positive-Definite Functions

PERIODICAL: Doklady Akademii nauk SSSR,1959,Vol 126,Nr 2,pp 271-273 (USSR)

ABSTRACT: The results of Yu.V.Linnik $\underline{/}$Ref 1,2$\underline{/}$ and A.A.Zinger $\underline{/}$Ref 3$\underline{/}$ are generalized to the case of countably many positive-definite functions. The author considers functions positive-definite on the straight line and normalized so that they are characteristic functions of one-dimensional random terms.

Theorem 1: If the characteristic functions $f_1(t)$, $f_2(t),\ldots,$ $f_j(t),\ldots.$ in a certain real neighborhood of zero satisfy the equation

(1)
$$\prod_{j=1}^{\infty}f_j^{\alpha_j}(t) = \varphi(t),$$

where $\varphi(t)$ is a function without zeros holomorphic in $|\operatorname{Im} t|<M_0,$ and $\alpha_j>\varepsilon_0>0$ $(j=1,2,\ldots)$, then they are also functions of a complex variable holomorphic in $|\operatorname{Im} t|<M_0$ and the equation (1) holds in the whole strip $|\operatorname{Im} t|<M_0$.

Card 1/2   Theorem 2: If for a sequence of real numbers $t_k\to 0$ the $f_j(t)$

DUBROV, G.L., inzh.; MAMAY, A.V., inzh.

Electrodes for machining metals by electric erosion techniques.
Mashinostroenie no.2:43-44 Mr-Ap '65.   (MIRA 18:6)

1. MAMAY, A. G.

2. USSR (600)

4. Social Sciences

7. Lomonosov lectures of 1952 in the humanities faculties. Vest. Mosk. un. 7, no. 11, 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

MAMAY, A.

In the department of geography.   Vest.Mosk.un. 8 no.8:181-183 Ag '53.
(MLRA 6:11)
(Geography)

MAMAY, A.

In the department of biology and soil science. Vest.Mosk.un. 8 no.8:179-181
Ag '53.
(MLRA 6:11)
(Biology) (Soils)

1. MAMAY, A.

2. USSR (600)

4. Science

7. Lomonosov lectures for 1952 in the departments of physics and mathematics
   and natural sciences.
   Vest. Mosk. un. 7 No. 10, 1952

ARNAUTOV, A.K.; BURSHTEYN, Sh.A.; GENES, V.S.; KOGAN, I.K.; MAMATYUK, Ye.M.;
LITVINENKO, A.S.; MOSKALENKO, I.P.; NIKOLAYEVA, M.G.; PISKAREVA, Ye.V.;
POPOVA, L.Ya.; RUDNEV, L.I.; SIDYAKIN, V.V.; TKACH, V.K.;
FASTYUCHENKO, O.V.; FISUN, A.N.; FRENKEL', L.A.; TSYBENKO, N.A.;
SHRAMENKO, B.I.

Comparative study on the effect of X rays (197 kv) and braking radia-
tion generated with linear accelerator (3 Mev) upon animals. Radio-
biologiia 2 no.2:211-215 '62.   (MIRA 15:4)

1. Khar'kovskiy institut meditsinskoy radiologii i Ukrainskoy fiziko-
tekhnicheskiy institut AN USSR, Khar'kov.
                        (RADIATION--PHYSIOLOGICAL EFFECT)

MAMATSASHVILI, Z.

S.I.Berulav's unsuccessful book "Variability of microbes and immunity." S.I.Berulav. Reviewed by Z.Mamatsashvili. Zhur.mikrobiol.epid.i immun. no.1:71-75 Ja '54.   (MLRA 7:2)
                    (Microorganisms) (Berulav, S.I.)

MAMATSASHVILI, M. I., Cand Med Sci -- "Data on the hygienic-physiological evaluation
of the labor of workers of locomotive crews." Tbilisi, 1960 (Tbilisi State
Med Inst). (KL, 1-61, 209)

-406-

MAMATSASHVILI, G. D., Cand Tech Sci -- (diss) "Study of the regulating parameters of the fuel supply systems of diesels operating under high-altitude conditions." Tbilisi, Georgian Inst of Agriculture Publishing House, 1960. 27 pp; (Order of Labor Red Banner Georgian Polytechnic Inst im V. I. Lenin); 150 copies; free; (KL, 29-60, 125)

MAMATSASHVILI, E.G., kand.veter.nauk

Disinfection of hides in brucellosis. Veterinariia 37 no.3:79-80
Mr '60. (MIRA 16:6)

1. Uzbekskiy nauchno-issledovatel'skiy veterinarnyy institut.
(Hides and skins--Disinfection)

MAMATSASHVILI, E.G.

Spreading factors in Brucella. Zhur.mikrobiol.epid.i immun.
31 no.2:88-91 F '60.

(MIRA 13:6)

1. Iz nauchno-issledovatel'skogo instituta veternarii Uzbekskoy
akademii sel'skikhozyastvennykh nauk.
(BRUCELLA culture)

The Lysogenicity of Brucellae. Author's Summary.   SOV/16-59-6-40/46

issledovatel'skogo veterinarnogo instituta (Learned Council of the
Uzbek Veterinary Research Institute) on February 22, 1957.

ASSOCIATION: Uzbekskiy nauchno-issledovatel'skiy veterinarnyy institut (Uzbek
Veterinary Research Institute)

SUBMITTED: September 25, 1958

Card 2/2

17(2,15)

SOV/16-59-6-40/46

AUTHOR: Mamatsashvili, E.G.

TITLE: The Lysogenicity of Brucellae. Author's Summary.

PERIODICAL: Zhurnal mikrobiologii, epidemiologii i immunobiologii, 1959, Nr 6, pp 133-134 (USSR)

ABSTRACT: The aim of the work was to determine the nature of the lysogenicity of Brucellae. The work was performed in two stages: in the first stage false lysogenicity was eliminated and in the second the Brucellae were tested for the presence of bacteriophage. The tests showed that normal lysogenesis is very common to Brucella strains. Both false and true lysogenesis were detected. Truly lysogenic strains can be detected by purifying the strain from phage particles with an antiphage serum and subsequent exposure of the strain to conditions similar to those under which strains are stored in the laboratory. The various Brucella phages which were isolated were identical in their basic properties. The present work was reported before the Uchenyy sovet Uzbekskogo nauchno-

Card 1/2

USSR/Virology - Bacterial Viruses (Phage)

E.

Abs Jour : Ref Zhur - Biol., No 19, 1958, 85762

Author : Mamatsashvili, E.G.
Inst :
Title : Brucellosis Bacteriophage.

Orig Pub : Med. Zh. Uzbekistana, 1958, No 1, 28-31

Abstract : Studies were made of the phage content of 28 strains of
Brucella melitensis, 21 strains of B. bovis, and 3
strains of B. suis. Phages were isolated from 13 strains
of B. melitensis, 2 strains of B. bovis, and 1 strain of
B. suis. Brucellosis phages were isolated from liquid
live Brucellosis vaccines, with expired and unexpired da-
tes of suitability for use, and also from dry live Brucel-
losis vaccines. In animals immunized with live vaccine,
phages were isolated from the feces, urine, and milk.
Altogether, 35 phages were isolated which differed from
each other with respect to their ability to lyse different

Card 1/2

- 2 -

USSR/Virology. Bacteria Viruses (Phage).   E

Abs Jour: Ref Zhur-Biol., No 17, 1958, 76425.

Author : Mamtsashvili, E.G
Inst   :
Title   : On Some Properties of the Brucellosis Bacteriophage.

Orig Pub: Zh. mikrobiol., epidemiol. i immunobiologii, 1957, No 9,
          8-11

Abstract: Phages were isolated in 13 of 28 brucellosis strains
          of the sheep and goat types, in 2 of 21 strains of
          brucellosis of cattle, and in 3 of the examined
          strains of the porcine type. The brucellosis phage
          was also isolated from liquid and dry brucellosis
          vaccines of milk, urine and the feces of vaccinated
          cows. The majority of the isolated hages proved to
          be specific. There were phage which lysed the bru-

Card   : 1/2

Country : USSR   E
Category: Virology. Bacterial Viruses (Phages)

Abs Jour: Ref Zhur-Biol., No 23, 1958, No 103508

Author   : Manatsashvili, E. G.
Inst   : --
Title   : Obtaining Brucella Bacteriophage and Establishing
           Certain Properties of It

Orig Pub: Sb. Bakteriofagiya. Tbilisi, Gruzmedgiz, 1957,
          327-332

Abstract: No abstract.

Card   : 1/1

MAMATSASHVILI, Estate Grigor!yevich, kandidat veterinarnykh nauk, dotsent;
BONDARENKO, M.N., redaktor; RAKHMATULLIN, F., tekhnicheskiy redaktor

[Brucellosis in farm animals] Brutsellez sel'skokhoziaistvennykh
zhivotnykh. Tashkent, Gos. izd-vo Uzbekskoi SSR, 1956. 51 p.
    (Brucellosis)   (MLRA 10:2)

MAMATSASHVILI, Ye.

"Brucellosis and the Fight Against It," Tbilisi, Georgian Agricultural Inst., 1952

VASYUNINA, N.A., BALANDIN, A.A.; MAMATOV, Yu.

Hydrogenolysis of xylite. Part 1: Effect of temperature and pressure.
Kin.i kat. 4 no.1:156-162 Ja-F '63. (MIRA 16:3)

1. Institut organicheskoy khimii imeni N.D.Zelinskogo AN SSSR.
(Xylitol) (Hydrogenolysis)

VASYUNINA, N.A.; BALANDIN, A.A.; MAMAIOV, Yu.; PUSTOVAYA, L.M.

Quantitative determining of polyatomic alcohol in their mixture.
Gidroliz. i lesokhim.prom. 15 no.1:11-13 '62.
(MIRA 15:3)

1. Institut organicheskoy khimii AN SSSR (for Vasyunina, Balandin,
Mamaiov). 2. Gosudarstvennyy nauchno-issledovatel'skiy institut
gidroliznoy i sul'fitoo-spirtovoy promyshlennosti (for Pustovaya).

MAMATOV, S.A.

Ballast cleaners used for cutting ballast from beneath the rail
in track levelling. Put! i put.khoz. no.12:15 D '59.
(MIRA 13:4)

1. Nachal'nik otdela mekhanizatsii sluzhby puti, g.Kuybyshev.
   (Railroads--Track)   (Ballast (Railroads))

MAMATOV, N.

[Concise explanatory dictionary of cotton growing terms]
Pakhtachilik terminlarining kiskacha izokhli lugati.
Toshkent, Fan, 1964. 187 p. [In Uzbek] (MIRA 17:11)

ACCESSION NR: AT4039219

ASSOCIATION: Institut matematiki AN UzSSR (Institute of Mathematics AN UzSSR)

SUBMITTED: 29Apr63   DATE ACQ: 06Apr64   ENCL: 00

SUB CODE: MA   NO REF SOV: 007   OTHER: 005

Card 3/3

ACCESSION NR: AT4039219

where $p_n(x)$ is the probability density of the absolutely continuous part of $F_n(x)$, and $\gamma_n(x)$ is the singular and discontinuous part. The present paper studies the asymptotic behavior (as $n \to \infty$) of the quantities:

$$C_n^{(p,\,q)} = \int\limits_{-\infty}^{+\infty} |p_n(x) - \varphi(x)|^p |x|^q dx,$$

$$D_n^{(p,\,q)} = \int\limits_{-\infty}^{+\infty} |F_n(x) - \Phi(x)|^p |x|^q dx; \qquad\qquad (B)$$

here $\varphi(x) = \exp(-x^2/2)/\sqrt{2\pi}$ & $\Phi(x) = \int\limits_{-\infty}^{x} \varphi(x) dx.$

The authors state and prove five main theorems on this behavior. The proximate order of $C_2^{(p,\,0)}$, $(p \geq 1)$, under natural restrictions, has been considered by these authors in a series of earlier papers.

Card   2/3

ACCESSION NR: AT4039219   S/0000/63/000/000/0091/0107

AUTHOR: Sirazhdinov, S. Kh.; Mamatov, M.

TITLE: Global limit theorems for probability densities and probability distributions

SOURCE: AN UzSSR. Institut matematiki. Predel'ny*ye teoremy* teorii veroyatnostey (Limit theorems for the theory of prabability). Tashkent, Izd-vo AN UzSSR, 1963, 91-107

TOPIC TAGS: probability theory, probability, probability distribution, asymptotic property, limit theorem

ABSTRACT: Let $\xi_1, \ldots, \xi_n, \ldots$ be a sequence of independent, uniformly-distributed random variables with finite dispersions. Without loss of generality it is assumed that the mathematical expectation of ξ_1 is zero and that its dispersion is unity. Let $F_n(x)$ denote the distribution function of the random variable $\xi_n = (\xi_1 + \ldots + \xi_n)/\sqrt{n}$. It is well-known that $F_n(x)$ can be uniquely given by:

$$F_n(x) = \int_{-\infty}^{x} p_n(x)\, dx + \psi_n(x), \qquad (A)$$

Card   1/3

SIROZHDINOV, S.Kh.; MAMATOV, M.

Local theorem for densities. Dokl. AN SSSR 142 no.5:1036-1037
F '62.
(MIRA 15:2)

1. Tashkentskiy gosudarstvennyy universitet im. V.I.Lenina.
Predstavleno akademikom A.N.Kolmogorovym.
(Sequences(Mathematics))

SIRAZHDINOV, S.Kh.; MAMATOV, M.

Convergence in the mean for densities. Teor. veroiat. i ee prim.
7 no.4:433-437 '62. (MIRA 15:11)

1. Tashkentskiy gosudarstvennyy universitet imeni Lenina.
(Convergence) (Probabilities)