

IONIN V. K.

6

16(1)

AUTHORS: Pestov, G., and ~~Ionin, V.~~

SOV/20-127-6-7/51

TITLE: On the Largest Possible Circle Imbedded in a Given Closed Curve

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 6, pp 1170-1172 (USSR)

ABSTRACT: Theorem 1: Let the radius of curvature of a closed non intersecting two times continuously differentiable curve γ be everywhere not smaller than R_0 ; then there always exists a circle with the radius R_0 lying completely in the closed domain bounded by γ .

The curvature in the point $P \in \gamma$ is counted negatively if γ in the point P is convex with respect to the interior.

Theorem 2: Let γ be closed, let it have no intersections, and let it be two times continuously differentiable. Let the curvature of γ be everywhere not larger than k. Then there exists a sphere of radius $\frac{1}{k}$ lying completely in the interior of the domain bounded by γ .

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On the Largest Possible Circle Imbedded in a
Given Closed Curve

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Theorem 3: Under the assumptions of theorem 2 the length of γ
is not smaller than $\frac{2\pi}{k}$ and the area bounded by γ is not smaller
than $\frac{\pi}{k^2}$.

The author mentions A.I.Fet.

PRESENTED: April 29, 1959, by S.L.Sobolev, Academician

SUBMITTED: March 30, 1959

Card 2/2

IONIN, V.K.

Some problems for convex surfaces with limitations for curvature.
Sib.mat.zhur. 6 no.2:305-322 Mr-Ap '65.

(MIRA 18:5)

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SOV/20-129-3-6/70

16(4) 16,5400

AUTHORS: Ionin, V.K., and Suvorov, G.D.

TITLE: On the Components of the Level Sets of the Function - Distance to a Plane Continuum

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 129, Nr 3, pp 496-498 (USSR)

ABSTRACT: Let K be a bounded continuum in the plane P and $r = \xi(M, K) \equiv \zeta(M)$ be the distance between the point $M \in P$ and K . The level set E_r of $\zeta(M)$ is the set of all $M \in P$ for which $\zeta(M) = r$.Theorem: Let E_r^α be a component of E_r ; let G_r^α be that connected component of the open set $P \setminus E_r^\alpha$ which contains K ; let $G_r^{\alpha*}$ be the boundary of G_r^α . Then all simple ends of G_r^α contain one point each; it is $E_r^\alpha = G_r^{\alpha*}$ and it holds:

- I. For all $r > 0$ the E_r^α may belong only to the following types:
 1. simple closed rectifiable Jordan curve; 2. simple open smooth Jordan arc; 3. sum of finitely or countably many closed simple Jordan curves, smooth arcs, etc.; 4. point.
- II. The closed curves in the types 1 and 3 have no tangent in at most countably many points (corner points). The ramification points in type 3 are points of regression.

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On the Components of the Level Sets of the
Function-Distance to a Plane Continuum

III. Components of the type 2 and 3 are possible at most for countably many level sets E_r . If the components of the type 1 in a countable number appear also only for countably many level sets, then at most countably many level sets have the components of the type 4.

IV. Let $\Delta = \Delta(\alpha, r, \delta)$ be the set of those points of G_r^α the distance of which from E_r^α is smaller than δ , $0 < \delta < r$. Let Δ^* be the boundary of Δ . Then $\Delta^* \setminus E_r^\alpha = \Gamma(\alpha, r, \delta)$ is a simple closed smooth Jordan curve. Let $l(\alpha, r, \delta)$ be its length and $l(\alpha, r)$ be the "length" (defined below) of E_r . Then

$$(1) \quad l(\alpha, r) = l(\alpha, r, \delta) \pm 2\pi\delta.$$

The set $\bigcup_{0 < \delta < r} \Gamma(\alpha, r, \delta)$ is a two times connected region and

$S(\alpha, r)$ its area; it is

$$(2) \quad l(\alpha, r) = \frac{S(\alpha, r) \pm \pi r^2}{r}.$$

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On the Components of the Level Sets of the
Function-Distance to a Plane Continuum

In (1) and (2) it holds + if G_r^α is bounded, and - if G_r^α is unbounded.

Definition of the length of $l(\alpha, r)$: Let E be the boundary of a simply connected domain G ; let all simple ends of G contain only one point each. Let p_1, \dots, p_n be simple ends consecutive in cyclic order; they define a polygon; the sum of the lengths of the single pieces is the length of the polygon. The upper limit of the lengths of the polygon for different sets (p_1, \dots, p_n) is called the "length" of E .

There are 2 Soviet references.

ASSOCIATION: Tomskiy gosudarstvennyy universitet imeni V.V.Kuybysheva
(Tomsk State University imeni V.V.Kuybyshev)

PRESENTED: July 8, 1959, by M.A.Lavrent'yev, Academician

SUBMITTED: July 2, 1959

Card 3/3

S/020/63/148/002/006/037
B172/B102

AUTHOR: Ionin, V. K.

TITLE: Relations between the radii of the inscribed and circumscribed spheres of a closed convex surface

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 148, no. 2, 1963, 268-270

TEXT: $u = u(x_1, x_2, \dots, x_n)$ ($n = 2, 3, \dots$) denotes a continuous symmetric function defined for $x_1 > 0, x_2 > 0, \dots, x_n > 0$ showing strong monotonic increase with each argument; $u(1, 1, \dots, 1) = 0$. An n -dimensional surface $\bar{\Phi}$ in the Euclidean space E^{n+1} belongs to the class $\bar{\Phi}_u$ or to class $\bar{\Phi}^u$ according as its principal radii of curvature R_1, R_2, \dots, R_n satisfy the relation $u(R_1, R_2, \dots, R_n) \leq 0$ or $u(R_1, R_2, \dots, R_n) \geq 0$. To each closed convex surface $\bar{\Phi}$ is assigned a pair of numbers (R, r) , where R and r are the radii of the smallest circumscribed and largest inscribed spheres, respectively. Two laws are formulated as to the magnitude of the pair
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Relations between the radii ...

S/020/63/148/002/006/037
B172/B102

(R, r) when Φ is in Φ_u or in Φ^u . From this follow the laws of Blaschke and Bonnet for $u = x_1 x_2^{n-1}$. Two more laws are given for other functions u .

Law 3: If $u = x_1 + x_2 + \dots + x_n - n$, then each function $\Phi \in \Phi_u$ is contained in a sphere of radius $\frac{1}{\sin \beta}$, where $\beta > 0$ is defined by

$$\int_0^\beta \frac{d\psi}{\cos^{n-1} \psi} = \frac{1}{(n-1) \cos^{n-2} \beta \sin \beta};$$

this estimation cannot be bettered. Law 4: Follows for $\mu = \frac{2x_1 x_2}{x_1 + x_2}$,

if the mean curvature of a convex surface Φ is not smaller than 1 at any point, then Φ is contained in a sphere of radius $1/2$; this estimation cannot be bettered.

ASSOCIATION:

Institut matematiki s vychislitel'nym tsentrom Sibirskogo otdeleniya Akademii nauk SSSR (Institute of Mathematics with Computer Center of the Siberian Branch of the Academy of Sciences USSR)

Card 2/3

Relations between the radii ...

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B172/B102

PRESENTED: July 16, 1962, by S. L. Sobolev, Academician

SUBMITTED: July 7, 1962

Card 3/3

IONIN, V. M.

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MOTILYANSKAYA, R.Ye., kand. med. nauk, red.;
KUKOLEVSKIY, G.M., red.; KHITRIK, I.I., kand. med.nauk,
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ury (for Kukolevskiy). 4. Chlen-korrespondent AMN SSSR i
Tsentral'nyy institut usovershenstvovaniya vrachey (for
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ing organic matter in sedimentary rocks] Nefteproduciashchie
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red; CHOCHIA, N.G., red.

[Geological and economic efficiency in prospecting for oil and gas
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IONINA, M.A.

Production of benzol for sulfuration at the Yenakiyevs Coke Chemical
Plant. Koks i khim. no. 4:64 '56. (MIRA 9:9)

1. Yenakiyevskiy koksekhimicheskiy zavod.
(Sulfuration) (Benzene)

SOV/68-59-7-22/33

AUTHORS: Glezer, I.G., Edel'man, Sh.I., Ionina, M.A., and Kiseleva, N.M.

TITLE: Experience of the Operation of a Plant for the Continuous Washing of Benzole

PERIODICAL: Koks i khimiya, 1959, Nr 7, pp 54 - 57 (USSR)

ABSTRACT: Operation of the plant for the continuous washing of raw benzole is described. The plant was erected at the Yenakiyevo Works in 1955 and underwent a number of modifications. The scheme finally adopted is as follows: raw benzole-toluole-xylole fraction (95% distills over at 140 - 145°C) and concentrated sulphuric acid flows from gravity tanks through a proportioning equipment into a centrifugal pump where the initial mixing takes place, the pump passes the mixture through 8 mixing balls in series (250 mm dia made from cast iron) interconnected with 1" pipe forming an angle of 90° between the inlets and outlets. Here the main part of the reaction takes place. In order to prolong the time of contact of the fraction with the acid, the mixture is passed into a contact vessel (cylindrical vessel - no details of the internal design are given). From the contact vessel the

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Experience of the Operation of a Plant for the Continuous Washing of Benzole

mixture is passed to a mixing ball to which technical water for the regeneration of acid is added. From this mixer the mixture is passed to a settling tank where the regenerated acid and acid tar settle. The regenerated acid flows continuously by gravity into a storage tank. The acid tar is removed periodically once every 2 - 3 days. The acid washed fraction flows by gravity from the settling tank into a bowl mixer to which a centrifugal pump passes to aqueous solution of alkali. The mixture is passed into a settling tank from which alkali is passed into an intermediate tank for further re-use while the washed benzole is passed into a storage tank. A temperature of 45 - 48°C is maintained throughout the process. In winter this temperature is maintained by preheating the raw fraction to 27 - 30°C. The con-

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Experience of the Operation of a Plant for the Continuous Washing
of Benzole

sumption of acid depends on the temperature at which 95% of the fraction distills over (Table 1). The average consumption of acid (after subtraction of the regenerated acid), amounts to 15 kg/ton of benzole. The wash losses of benzole were decreased from 6.3% in 1955 to 3.9% in 1957 (Table 2). The installation is recommended for general use.

There is 1 figure and 2 tables.

ASSOCIATION: Yenakiyeskiy koksokhimicheskiy zavod (Yenakiyevo
Coking Works)

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SOV/68-59-9-18/22

AUTHOR: Ionina, M.A.

TITLE: Operation of a Column with Perforated Plates

PERIODICAL: Koks i khimiya, 1959, Nr 9, pp 58 - 60 (USSR)

ABSTRACT: At the Yenakiyevo Works one of the benzole desorption columns (which badly corroded after 5 years of operation) was replaced by a column with perforated plates. Despite wrong dimensions for the required throughput (due to the utilisation of the old body) the column operates satisfactorily. The use of a column with perforated plates for the desorption of benzole is advocated. There are 2 tables.

ASSOCIATION: Yenakiyevskiy koksokhimicheskiy zavod
(Yenakiyevo Coking Works)

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S/068/60/000/001/004/006
E071/E433

AUTHORS: Glazunov, A.A., Glezer, I.G., Ionina, M.A.,
Edel'man, Sh.I. and Zemblevskiy, K.K.

TITLE: Utilization of the Pyrolysis Tar-Wash Product From
Synthetic Alcohol Plants

PERIODICAL: Koks i khimiya, 1960, No.1, pp.44-47

TEXT: In utilizing petroleum and natural gas in the production of synthetic alcohol, the gases are cracked in order to increase their ethylene content. The tar formed during the process under the name of pyrolysis tar was treated as a waste product. The authors carried out an investigation of the chemical composition of this product in order to determine its possible application for the production of aromatic hydrocarbons. A sample of the tar from the Saratov Works was taken for the investigation (sp.gr. 0.873, IBB 65°; 100° 54%; 125° 68%; 150° 75%; 180° 86%). Rectification on a column equivalent to 24 theoretical plates (Table 1) indicated that the tar contained about 50% of benzole, toluole, xylole and solvent naphtha; unsaturated compounds were distributed non-uniformly concentrating mainly in the head and

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Utilization of the Pyrolysis Tar-Wash Product From Synthetic Alcohol Plants

bottom fractions. Laboratory investigations of the washed fraction boiling to 180°C (Table 2) indicated that it can be used for the production of pure benzole (synthetic grade). In view of high wash losses (35.9%), the boiling range of the fraction most suitable for further treatment was determined as 79 to 135°C. Laboratory results were confirmed on an industrial batch unit (Table 4). The following products can be obtained: heads and losses - 19.7%, benzole 32.2%, toluole 12.2%, xylole 1.6%, solvent naphtha 13.8%, residues 16.2%, washing losses 4.3%. About 65% of benzole can be obtained of a synthetic grade. Residues contained about 63% of unsaturated suitable for the production of resins. However, the residue could not be processed together with benzole residues on the Works' coumarone resin plant. Their further processing is being investigated. Industrial processing of the pyrolysis tar was started on the Works according to the scheme shown in Fig.1. It consists of batch distillation with the collection of four fractions: forerunnings up to 70°C, BTX fraction (live steam) 79 to 90°C; solvent naphtha (live
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Utilization of the Pyrolysis Tar-Wash Product From Synthetic Alcohol Plants

steam) 90 to 100°C and still residues. The washed BTX fraction is distilled on a continuous plant with collection of pure benzole and BX residues. The latter are passed through a continuous toluene column with the collection of pure toluole and residues which are then processed in a batch unit with the collection of the TK fraction (returned to the toluene column), xylole, solvent naphtha and residues. It is concluded that at present the processing of the pyrolysis tar on existing coke oven plants would be advantageous. The design of a special central plant of a large capacity for the processing of all the available pyrolysis residues is recommended. There are 2 figures and 4 tables.

ASSOCIATIONS: Yenakiyevskiy kokosokhimicheskiy zavod (Yenakiyevo Coking Works) Glazunov, A.A., Glezer, I.G., Ionina, M.A. and Edel'man, Sh.I.; Stalinskiy sovnarkhoz (Stalino Sovnarkhoz) Zemblevskiy, K.K.

Card 3/3

TURIK, I.A.; GLEZER, I.G.; IONINA, M.A.; NOVIKOVA, V.I.; SUROVTSEV, S.A.;
POMIN, V.K.

Ways for improving the quality of foundry coke. Koks i khim.
no.9:25-27 '62. (MIRA 16:10)

1. Ukrainskiy uglekhimicheskiy institut (for Turik).
2. Yenakiyevskiy koksokhimicheskiy zavod (for all except Turik).
(Coke)

CHEN, N.G.; GOL'DSHEYN, B.I.; IONINA, M.A.

Studying the anticorrosive and antiscaling properties of phenol
waters of the Yenakiyevskoye Coke and Coal Chemicals Plant. Koks
i khim. no.10:46-49 '63. (MIRA 16:11)

1. Dneprodzerzhinskiy metallurgicheskiy zavod-vtuz (for Chen).
2. Yenakiyevskiy koksokhimicheskiy zavod (for Gol'dsheyn,
Ionina).

GLAZUNOV, A.A.; GLEZER, I.G.; EDEL'MAN, Sh.I.; IONINA, M.A.; ZEMBLEVSKIY,
K.K.

Method for the complete processing of coal tar obtained by pyro-
lysis. Koks i khim. no.8:39-42 '62. (MIRA.17:2)

1. Yenakiyevskiy koksokhimicheskiy zavod (for Glazunov, Glezer,
Edel'man, Ionina). 2. Donetskii sovet narodnogo khozyaystva (for
Zemlevskiy).

IONIN, M.V.; KURINA, N.V.; SUDOPLATOVA, A.Ye.

Solubility of hydrogen chloride in alcohols. Trudy po khim.i khim.tekh.
no.1:47-48 '63. (MIRA 17:12)

IONIN, M.V.; KURINA, N.V.

Determination of mean activity coefficients and osmotic coefficients of HCl in concentrated solutions. Trudy po khim.i khim.tekh. no.1:40-42 '64.

(MIRA 18:12)

1. Submitted April 26, 1963.

IONIN, M.V.; PONOMARENKO, I.N.; ZVORZKINA, G.I.

Mechanism of copper dissolution in hydrochloric acid. Trudy
in Khim. i Khim. tekhn. no. 1:32-35 '64.

Mechanism of silver dissolution in hydrochloric acid.
Ibid. 36-39 (MIRA 18:12)

1. Submitted September 23, 1963.

VASTIYEV, Nikolay Pavlovich; IONINA, O.A., nauchnyy red.;
KOBINSKAYA, M.V., red.; BRONOVA, N.N., tekhn. red.

[Laboratornye raboty po elektromaterialovedeniiu. Moskva,
Proftekhizdat, 1963. 53 p. (MIRA 16:8)
(Electric engineering--Materials)

IONINA, Z.V.

Experience in the eradication of diphtheria in Dzerzhinsk. Zhur.
mikrobiol.; epid. i immun. 41 no.6:131-132 Je '64.

(MIRA 18:1)

1. Dzerzhinskaya gorodskaya sanitarno-epidemiologicheskaya stantsiya.

TENDLER, V.M.; BRYAKALOV, A.A.; Prinimali uchastiye: LEVINA, K.S.;
SUNTSOVA, M.P.; IONIS, A.G.

Manufacture of parts from premixed molding compositions. Plast.-
massy no.5:34-36 '62. (MIRA 15:4)
(Plastics--Molding)

IONIS, M.V.

CHERNOVA, I.N.; IONIS, M.V.; KURTS, L.Yu.

Testing various materials for protecting medical instruments from corrosion. Med.prom. 11 no.11:51-53 N '57. (MIRA:11:1)

1. Mediko-instrumental'nyy ordena Lenina Zavod "Krasnogvardeyets"
(MEDICAL INSTRUMENTS AND APPARATUS)
(CORROSION AND ANTICORROSIVES)

CHERNOVA, I.N.; IONIS, M.V.

Applying two-layer antireflection films to optical instruments
with light passages up to 10 millimeters in diameter. Med. prom.
13 no.2:48-51 F '59. (MIRA 12:3)

1. Mediko-instrumental'nyy zavod "Krasnogvardeyets."
(LENSES)

CHERNOVA, I.N.; IONIS, M.V.

Use of epoxide resins in the manufacture of medical articles.
Med.prom. 13 no.7:52-54 J1 '59. (MIRA 12:10)

1. Mediko-instrumental'nyy zavod "Krasnogvardeyets."
(RESINS, SYNTHETIC)

IONISCU, M.; GADIDOV, M.; STANESCU, S.

Biology and fishing of Sarda sarda Bloch in the Rumanian waters of the Black sea in 1954-1956. p. 165.

HIDROBIOLOGIA. (Academia Republicii Populare Romine. Comisie de Hidrologie, Hidrobiologie si Ihtiologie) Bucuresti, Rumania. Vol. 1, 1958.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 8, Aug. 1959

Uncl.

IONISTEA, M.

New contributions to the knowledge of the coleopterous fauna in the Prahova Valley and in the Bucegi Mountains. p. 121.

(ANALELE. SERIA STIINTELOR NATURII. Rumania. Vol. 5, no. 10, 1956)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

IONISYANTS, V.P.

BALAKHOVSKAYA, M.I., IONISYANTS, V.P. (Moscow)

Endemic goiter among the population of Gunib and Lakskiy Districts
of the Dagestan Autonomous Soviet Socialist Republic. Prob. endok.
i gorm. 4 no.2:92-95 Mr-Apr '58 (MIRA 11:5)

1. Iz Vsesoyznogo instituta eksperimental'noy endokrinologii
(dir. - prof. Ye.A. Vasyukova)
(GOITER, statistics
endemicty in Dagestan A.S.S.R. (Rus))

KHVOROV, V.V., doktor med. nauk; IONISYANTS, V.P. (Moskva)

Data on endemic goiter in Krasnodar Territory. Probl. endok. i gorm.
5 no.2:98-102 Mr-Apr '59 (MIRA 12:7)

1. Iz Vsesoyuznogo instituta eksperimental'noy endokrinologii (dir. -
prof. Ye. A. Vasyukova).

(GOITER, epidemiol.
endemicity in Russia (Rus))

IONISYANTS, V.P. (Moskva)

Prevention of endemic goiter in the Azerbaijan S.S.R. Probl.
endok. i gorm. 5 no.3:91-94 My-Je '59. (MIRA 12:9)

1. Iz Vsesoyuznogo instituta eksperimental'noy endokrinologii
(dir. - prof. Ye. A. Vasuykova).

(GOITER, prev. & control
endemic, in Russia (Rus))

IONISYANTS, V.P. (Moskva)

Thyroid gland disease in inhabitants of Smolensk Province. Probl.
endok.i gorm. 5 no.6:98-100 N-D '59. (MIRA 13:5)

1. Iz organizatsionno-metodicheskogo otdela (zav. - doktor med.
nauk N.I. Santotskiy) Vsesoyuznogo instituta eksperimental'noy
endokrinologii (dir. - prof. Ye.A. Vasyukova).
(GOITER statist.)

GINCHERMAN, Ye.Z.; IONISYANTS, V.P.

Condition of the thyroid gland in inhabitants of Ulan Ude. Probl.
endkok. i gorm. 6 no. 1:107-111 Ja-F '60. (MIRA 14:1)
(ULAN UDE—THYROID GLAND)

IONITA, Ana, filatoare

Well organized courses, destined to increase the workers skill,
are very useful. Munca sindic 6 no.5:29 My '62.

IONITA, B., ing.

Color television in the U.S.S.R. Telecommunicatii 6 no.4:165-169
Jl-Ag '62.

IONITA, Bujor, ing.

Works of the Extraordinary Administrative Conference for
Space Communications. Telecommunicatii 8 no.1:10-15
Ja-F'64.

IONITSE, C.

RUMANIA/Cultivated Plants - Fruits, Berries

M-8

Abs Jour : Ref Zhur - Biol., No 1, 1958, No 1734

Author : C. Ionitse

Inst : ~~Not Given~~

Title : A Study of the Yielding Capacity of the Tuleu Gras Variety
Plum

Orig Pub : Gradina, via si livada, 1956, 5, No 5, 66-69

Abstract : As a result of studies in the nursery of Istritsa (district of Ploesti) in 1950 to 1952 and 1952 to 1954, it was made apparent that the stamen of the prune flowers of the variety Tuleu gras do not have pollen. Such peculiar phenomenon is very rarely found in the fruitbearing trees. Tests have shown that the best pollinator for the Tuleu gras prune is the Medovayie red prune. The Anna Shpet and Agan Varieties are also good pollinators.

Card : 1/1

RUMANIA/Cultivated Plants - Fruits. Berries.

M-6

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29999

Author : Ionita, C.

Inst :

Title : Fruit Growing on Mountain Skopes.

Orig Pub : Gradina, via si livada, 1957, 6, No 2, 1-7 (Rum.)

Abstract : The necessity is indicated of utilizing the huge area on mountain slopes, forest steppes and the steppe zones for fruit crops, especially the apple. Apple trees in high mountain zones in the opinion of the author are best placed with southern, western and eastern exposures, for the middle altitide zone with an altitude of 600-700 m. the western and eastern slopes are best, and for the low mountains of the steppe and forest steppe zones the northern, western and eastern slopes are most suitable.

Card 1/1

IONITA, C.; PANDELE, I.

Some very valuable varieties of domestic cherries. p. 947

COMUNICARILE. Bucuresti, Rumania. Vol. 8, no. 9, Sept. 1958

Monthly list of European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

IONITA, C.

COUNTRY : ROMANIA M
CATEGORY : Cultivated Plants. Fruits. Berries.
ABS. JOUR. : RZnBiol., No. 23, 1958, No. 104849
AUTHOR : Ionita, C.
INST. : ~~Research Institute~~
TITLE : On the Organization of work in the upkeep of Soil in Young Orchards.
ORIG. PUB. : Gradina, via si livada, 1958, 7, No. 4, 36-41
ABSTRACT : No abstract.

CARD: 1/1

RUMANIA

ANDRONESCU, M., MD; ARESTEANU, L., MD; BULIGESCU, L., MD; COLITA, D., MD;
DEMIRLIAN, N., MD; IONESCU, Genoveva, MD; ~~IONICA, G., MD~~; MARINESCU,
N., MD; MOLDOVAN, T., MD; PAUNESCU, C., Lecturer; SEROPIAN, E., MD;
STIGLET, C., MD; SUCIU, D., MD; VASILESCU, G., MD.

Medical Clinic of the "Carol Davila" Hospital" (Clinica medicala
a Spitalului "Carol Davila") - (for all)

Bucharest, Viata Medicala, No 3, 1 Feb 64, pp 167-181

"Data Concerning Dispensary Supervision and Treatment of Epidemic
Hepatitis in a Section of the town of Bucharest."

(14)

BULIGESCU, L.dr.; BOLDOVAN, T., dr.; MARTINESCU, N., dr.; IONITA, C., dr.

Current status of the treatment of chronic hepatitis. Med.
intern. (Bucur) 16 no.9:1025-1037 S '64.

1. Lu rare efectuata in Clinica medicala a Spitalului "Dr.
C. Davila" (direktor: conf. S. Ciorepciu).

CIOBANU, Nadejda, ing.; IONITA, Coca

Research on the acceleration of meat maturation in the process
of sausage manufacture. Ind alim anim 11 no.2:41-45 P'63

1. Ministerul Comerului Exterior (for Ciobanu). 2. Institutul
de cercetari alimentare (for Ionita).

CURCANEANU, D.; CURCANEANU, Alexandra; MOLDOVEANU, Elena; IONITA, Dumitra

A chromatographic method for the separation and direct determination of DDT and gamma HCH in a mixture. Studii chim Iasi 12 no.2:251-262 '61.

1. Laboratorul central de cercetari al Combinatului chimic Borzesti.

IONITA, G.

IONITA, G. Models of particles with spatial extension. p. 326 GAZETA
MATEMATICA SI FIZICA. SERIA A. Bucouresti, Rumania Vol. 7, No. 7,
July 1955

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

RUMANIA/Atomic and Molecular Physics - Physics of the Atom.

D

Abs Jour : Ref Zhur Fizika, No 9, 1959, 19961

Author : Ionita, G.

Inst : -

Title : Spectral Corrections Calculated with Allowance for the Rapid Rotation of a Spatially Extended Nucleus.

Orig Pub : Studii si cercetari stiint. Acad. RPR Fil Iasi. Fiz. si stiinte tehn., 1957, 8, No 1, 1-10

Abstract : The author represents a continuation of the joint work of the author and of Vescan (Referat Zhur Fizika, 1957, No 2, 2913, 1958, No 4, 7958), devoted to the study of the limits of applicability of the ordinary quantum representations in the theory of atomic spectra. For this purpose, three dimensional models were examined of various charged particles (nuclei and electrons), the motions of which were investigated with the aid of methods of relativistic mechanics. It is assumed in the

Card 1/3

RUMANIA/Atomic and Molecular Physics - Physics of the Atom.

D

Abs Jour : Ref Zhur Fizika, No 9, 1959, 19961

present paper that the point electron moves around a spherical nucleus, having a mass M , a charge Ze , which rotates rapidly at an angular velocity ω about a certain fixed axis. The type of metric ds^2 is established in a spherical system of coordinates, and it is assumed because of symmetry considerations that $\Theta = \pi/2$. An expression is obtained for the interaction force between the spherical nucleus and the point electron; the condition $\oint ds = 0$ is used to calculate the component a_φ and a_r of the acceleration. The form of the Hamiltonian is established and the Sommerfeld-Wilson quantum conditions are used to calculate the total energy of the atom under consideration. In the case of the H_α line of the hydrogen atom, the formula obtained from the total energy gives a distance of 0.3325 cm^{-1} for the distance between the components of the doublet, while the ordinary Sommerfeld formula, which does not contain a

Card 2/3

- 23 -

RUMANIA/Atomic and Molecular Physics - Physics of the Atom.

D

Abs Jour : Ref Zhur Fizika, No 9, 1959, 19961

term dependent on the angular velocity, yields 0.3651 cm^{-1} . The experimental value is 0.3060 cm^{-1} .
Bibliography, 9 titles.

Card 3/3

IONITA, Georgeta

Experimental methods of observing fine and hyperfine structures.
Studii fiz tehn Iasi 10 no.1:29-59 '59 (EAI 9:3)

1. Filiala Iasi a Academiei Republicii Populare Romine.
(Spectrum analysis) (Atom)
(Magnetic resonance) (Interferometer)

S/058/62/000/009/008/069
A006/A101

AUTHOR: Ionita, Georgeta

TITLE: Relativistic metrics of toroidal symmetry

PERIODICAL: Referativnyy zhurnal, Fizika, no. 9, 1962, 95, abstract 9B740
("Studii și cercetări științ. Acad. RPR Fil. Iași Fiz. și științe
tehn.", 1960, v. 11, no. 2, 165 - 170, Roumanian; summaries in Rus-
sian and French)

TEXT: The author analyzes the approximate expression of electrodynamic
relativistic force, acting upon a particle moving in plasma that was produced in
a toroidal unit (e.g. in a "Zeta" unit).

[Abstracter's note: Complete translation] ✓

Card 1/1

IONITA, Georgeta.

"Structure of the atomic nucleus and radioactive transitions" by Al. Sanielevici and Dragos Bogdan. Reviewed by Georgeta Ionita. Studii fiz tehm Iasi 12 no.1:166 '61.

IONITA, Gheorghe, ing. (Bucuresti); NENITA, Eugen, ing. (Bucuresti)

Automation of hydroelectric power stations in Rumania.
Energetica Rum 10 no.7:302-310 J1 '62.

1. Proiectant sef la Institutul de studii si proiectari energetice (for Ionita).
2. Proiectant la Institutul de studii si proiectari energetice (for Nenita).

IONITA, Georgeta

"Encyclopedic dictionary of physics," Reviewed by Georgeta Ionita.
Studii fiz, tehn Iasi 13 no.1:142 '62.

IONITA, Georgeta

"Introduction to elementary particle physics" by R.Marshchak,
E.Sudarshan. Reviewed by Georgeta Ionita. Studii fiz tehn Iasi
13 no.2:313 '62.

VILCU, Cristian, ing.; IONITA, Georgeta, ing. principal

Design problems in the illuminating installations for squares
and interesections. Energetica Rum 12 no. 1: 44-57 Ja '64.

L 46066-66 EWP(k)/EWT(m)/EWP(e)/EWP(t)/ETI IJP(e) JH/JD

ACC NR: AI6034179

SOURCE CODE: RU/0017/66/000/003/0144/0148

35
B

AUTHOR: Ionita, I. (Engineer)

ORG.: Polytechnical Institute (Institututul Politehnic), Galati.

TITLE: Considerations on the obtaining of porous cellular aluminum

SOURCE: Metallurgia, no. 3, 1966, 144-148

27

TOPIC TAGS: porous metal, aluminum metallurgy, cast alloy

ABSTRACT: [Author's English summary modified]: The author reports on experiments performed to improve the preparation of porous aluminum alloys. Successful tests involved the use of a new method based on casting of the alloy in a mold containing soluble granules which are removed by dissolving.

Orig. art. has. 4 figures, 2 formulas and 1 table. /J.KS 36,867

SUB CODE: 11.13 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 002

SOV REF: 016

Card

1/1 ad

UDC: 669.715-496.3

0920 2734

IONITA, M.

COUNTRY : RUMANIA
CATEGORY : Cultivated Plants. Forage Crops. M

ABS. JOUR. : RZhBiol., No. 23 1958, No. 104730

AUTHOR : Ionita, M., Opris, I.
INST. :
TITLE : On the Study of Embryoless Seeds of Forage Perennial Cereals.

ORIG. PUB. :

ABSTRACT : The presence of seeds without embryo was studied with the aid of diaphanoscope in the yield of the droughty year of 1952. There proved to be 65.2% of such seeds in *Alopecurus pratensis*, in *Bromus erectus* 57.2%, *Festuca rubra* 53.5%, in *Dactylis glomerata* 50.4%, in *Arthenatesum elatius* 9.2%.
-- Ye. A. Okorokova

Card: 1/1

70 A

IONITA, M

Country : Rumania
CATEGORY : Cultivated Plants. Fodder Grasses and Roots.
ANS. JOUR : Rev. Anuar - Biologia, No. 5, 1959, No. 20346
AUTHOR : Ionita, M.; Opris, I.
INST. : Timisoara Agronomy Inst.
TITLE : The Effect of Combined Application of Mineral Fertilizers on the Hay Components of Four Species of Perennial Cultivated Grain Grasses.
ORIG. PUB.: Anuarul lucr. stint. Inst. agron. Timisoara, Bucuresti, 1957, 73-82
ABSTRACT : To determine the factors which affect the quantitative correlation between the component parts of hay (leaves, stems and blossoms) experiments were made in the following variants: NPK, NP, NK, and PK. Crested wheatgrass, tall oatgrass, dewgrass and meadow fescue were sown. The application of the fertilizers increased the amount of stems in dewgrass by 10-31%, and in wheatgrass by 3-6%, while this was reduced in the instance of oatgrass and :

CARD:

1/2

IONITA M.

COUNTRY : ROMANIA M
CATEGORY : Cultivated Plants. Forage Crops.
ABS. JOUR. : RZhBiol., No. 23 1958, No. 104727
AUTHOR : Ionita, N.
INST. : -
TITLE : The Yield of the Seeds of Hairy Vetch in Relation to
Its Proportion in Mixture with Rye.
ORIG. PUB. : Anuarul lucrar. stiint. Inst. agron. Timisoara, Bucuresti,
1957, 95-105
ABSTRACT : As the result of 6-year studies, it has been determined
that the best cover crop from winter grains is rye. The
greatest yield of villous vetch and aggregate yield of the
mixture was obtained with the sowing on 1 hectare 40 kilo-
grams of vetch seeds and 80 kilograms of rye. -- Ye. A.
Okorokova

Card: 1/1

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GILCA, F., candidate in stiinte economice; IONITA, M., candidat in stiinte
economie

"Increased rentability of state agricultural farms" by V. Baghinschi.
Reviewed by F. Gilca and M. Ionita. Probleme econ 15 no.2:142-146 F'62.

GILCA, F., candidat in stiinte economice; IONITA. M., candidat in
stiinte economice

Many-sided and intensive development of production on
collective farms. Probleme econ 15 no.8:43-56 Ag '62.

GILCA, Fl, candidat in stiinte economice; IONITA, M., candidat in stiinte
economie; REDEA, D., candidat in stiinte economice

Aspects of economic efficiency of sunflower cultures on collective
farms in the Galarasi District. Probleme econ 16 no.1:117-123 Ja '63.

GILGA, Fl., cand. in stiinte economice: IONITA, M., cand. in stiinte economice

"Course of economic construction, economy and organization of socialist agricultural units." Reviewed by Fl. Gilga, M. Ionita.
Probleme econ 18 no.2:141-145 F '65.

GLIGA, Fl., candidat in stiinte economice; IONITA, M., candidat in stiinte economice

Size of stockbreeding farms in the production agricultural cooperatives in the Calarasi District. Probleme econ 18 no.1:108-115 Ja '65.

IONITA, Maria ✓
SURNAME (in caps); Given Names

Country: Rumania

Academic Degrees: -not given-

Affiliation: -not given-

Source: Bucharest, Stiinta si Tehnica, No 4, 1961, pp 30-31.

Data: "The USA in a Period of Economic Decline."

IONITA, Maria

SURNAME, Given Names

Country: Rumania

Academic Degrees: -not given-

Affiliation: -not given-

Source: Bucharest, Stiinta si Tehnica, Vol XIII, No 12, Dec 1961, pp 12-13.

Data: "Figures and Data on Population."

070 901643

IONITA, Maria

Toward the highest level of living in the world. St si Teh Buc
14 no. 7:10-12 J1 '62.

MARINESCU, Eliza, dr.; DEBAU, M. dr.; IONITA, O., dr.; IONESCU, M., dr.

Value of radiological examination in the diagnosis of chronic gastritis. Med. intern. (Bucur.) 17 no.9:1031-1034 S '65.

1. Lucrare efectuata in Clinica a V-a medicala, Centrul de gastroenterologie, Bucuresti (director: prof. T. Spirchez).

IONITA, Stan

Some new data for the geology of the Nereju-Reghiu-Andreiasu
region (Vrancea). Dari seama sed 49 pt.1:287-307 '61-'62
[publ. '64].

1. Submitted March 18, 1960.

MAXIMILIAN, C.; IONITIU, D.; ILIESCU, Ileana; AUGUSTIN, M.

The normal **XX** chromosome complement in women with malformations of the genital tract. Comunicarile AR 13 no.9:843-846 S'63.

COUNTRY : Rumania
CATEGORY : Soil Science. Physical and Chemical Properties of Soils. J
APPR. JOUR. : RZhBiol., No. 23 1958, No. 104428
AUTHOR : Ionitoala, H.
INST. :
TITLE : A Surplus of Water in Cultivated Soils
ORIG. PUB. : Probl. agric., 1957, 9, No. 6, 77-82
ABSTRACT : No abstract.

Card: 1/1

FRICOP, Gh., ing.; IONITOAI, H., ing.; LEU, D., ing.

Considerations on the drinkable and irrigation subterranean
waters in the Danube Delta, between Calarasi and Braila.
Hidrotehnica 7 no.5:158-161 My '62.

IONITOAI, H.

Outline of the ameliorative distribution of phreatic waters on the territory of Rumania, with special consideration given to soils adequate for land improvement works. Hidrotehnica '7 no.11:394-402 N '62.

IONKER, A.V., inzh.

Preventing electric motors from working on two phases. Bezop.
truda v prom. 5 no.8:24-25 Ag '61. (MIRA 14:8)

1. Giprouglegormash. (Electric motors)

IONKIN, A.Ya.

End couplings for high pressure hose. Kuz. shtam. proizv.
№ no.11:46-47 N '62. (MIRA 15:11)
(Hose couplings)