

JARKOVSEY, V.

Adjustment of corn combines. p. 348. (MECHANISACE ZEMEDLSTVI, Vol. 7,
No. 15, Aug 1957., Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (BEAL) LC, Vol. 6, No. 12, Dec 1957. Uncl.

JARKOVSKY, V.

The DT-57 tractor for steep slopes. Contact control of parts. Tr. from the Russian.

(MECHANISACE ZEMEDELSTVI) Vol. 7, no. 21, Nov. 1957,
Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 3,
March 1958

JARKOVSKY, Vaclav

Rail crossings from cast steel, Siln doprava 12 no. 418-9
Ap '64.

1. Dopravni podnik hlavniho mesta Prahy.

RYKOWSKI, Henryk; JWOCZYNSKI, Jan; PANASEWICZ, Jozef; JARKOWSKA, Maria; MIJALSKA, Krystyna; HUBL, Stanislaw

Controlled arrest of cardiac functions in experimental open heart surgery with hypothermia. Polski przegl. chir. 30 no.5:567-570 May 58.

1. Z II. Zakladu Chirurgii I. D. i S.K.L. Kier: prof. dr J. Rutkowski z Zakladu Kardiologii I.D. i S.K.L. Kier: prof. dr Zera z Zakladu Fizjopatologii Instytutu Hematologii Kier: dr J. Panasewicz.

(HEART, surgery,

exper. open heart surg. in hypothermia, controlled cardiac arrest (Pol))

(HYPOTHERMIA, experimental,

in open heart surg. with controlled cardiac arrest (Pol))

S/194/62/000/005/146/157
D271/D308

AUTHOR: Jarkowski, S.

TITLE: Determining the attenuation of a microwave link at a frequency which differs from that at which the link was measured

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 5, 1962, abstract 5-/-209 m (Prace Inst. łączn., 1961, 8, no. 2, 3-34)

TEXT: Parameters dependent on carrier frequency are analyzed and methods are given for calculating the attenuation at a frequency differing from that at which the link was measured. Some fundamental effects of radio wave propagation are considered as well as the parameters of the microwave equipment which are of importance to the attenuation. The paper is written for those specializing in calculations of attenuation of microwave links. [Abstractor's note: Complete translation]. ✓

Card 1/1

JARKOWSKI, Sylwester, doc.

Problems concerning radio links and the transmissions of TV signals.
Przeegl telekom 34 no.8:236-237 Ag '61.

JARKOWSKI, Z.

TECHNOLOGY

PERIODICAL: ENDOENICTIC PRZEMYSLOW. Vol 7, no. 7, July 1968

JARKOWSKI, Z . Shavings-plaster partition walls for high-voltage distribution stations. p. 32.

Monthly List of East European Acquisitions (EMAI) LC, Vol 8, no. 4.
April 1959, Unclass

JARMAI, E.

Experiences with a cutter-loader used on longwall faces in Dudar. p. 469,
BANYASZATI LAPOK (Magyar Banyaszati es Kohaszati Egyesulet) Budapest,
Vol. 11, No. 8, Aug. 1956

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 5, No. 11, November 1956

JARMAI, Pal

Some questions on the typification of building structures. Magyar
ipar 10 no.6:241-245 '61.

JARMAL, Pal

Agricultural building frame with steel construction. Magy
ep ip ll no.8:348-352 '62.

BOBROWNICKI, Włodzimierz; JARMAKOWICZ, Józef

Influence of neutron bombardment on the structure of apatite.
Chemia stosow 8 no.4:475-476 '64.

1. Laboratory No.9, Wrocław, of the Institute of Physical
Chemistry of the Polish Academy of Sciences.

JARMAY, Pa., dr.

An interesting case of aplasia of the kidney. Magyar sebeszet 14
no.3:200-203 Je '61.

1. Salgotarjani Megyei Korhaz - Rendelo Intezet Urologiai- kozlemenye
(Vez.: Jarmay Pal dr. Ig.: Merenyi Sandor dr.)

(KIDNEY abnorm)

HUNGARY

JARMAY, Pal, Dr; Hospital of the Megye Council of Nograd, Urological Section
(A Nograd Megyei Tanacs Korhaza, Urologiai Reszleg) (director:SZABO, Sandor,
Dr; section chief: JARMAY, Pal, Dr).

"A Case of Angioma Urethrae."

Budapest, Magyar Sebeszet, Vol XVI, No 5, Oct 63, pages 334-336.

Abstract: [Author's German summary] In addition to urethral bleeding, pain during coitus and total urine retention can also be caused by urethral angiomias. Definite diagnosis can only be made after surgery. The treatment should be surgical, exclusively, which insures complete recovery. 2 Hungarian, 6 Western references.

1/1

JARMAY, APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000619520008-0"

Insulating rubber mixtures and coating sheets manufactured from natural and artificial caoutchouc, p. 103

(Electrotechnika, Budapest, Vol. 43, no. 3, Mar. 1955)

SO: Monthly list of East European Accessions (EEAL), LC Vol 4, no. 6, June 1955 Uncl

CZECHOSLOVAKIA

JANER, K., Prof. Dr.

Stomatological Clinic of the Medical Academy 'Carl Gustav Carus' (Stomatologicka klinika lekarske akademie 'Carl Gustav Carus'), Dresden, East Germany

Prague, Ceskoslovenska stomatologie, No 5, 1963, pp 318-323

"Frequency and Age Distribution of Dysgnathism of Deciduaal Teeth in Relation to Exogenous Factors of Disorders."

CZECHOSLOVAKIA/Human and Animal Physiology - Blood. Regular T
Elements.

Abs Jour : Ref Zhur Biol., No 3, 1959, 12606
Author : Stepanovsky, Jaroslav; Kalouskova, Jarmila; Sonka,
Jiri; Kalousek, Fratisek
Inst : -
Title : Influence of Childbirth on Utilization of Glucose by
Erythrocytes
Orig Pub : Ceskosl. gynaekol., 1958, 23-37, No 1-2, 136-139
Abstract : No abstract.

Card 1/1

JARMOC, Z.; SKURSK I, A.
"APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619520008-0"

Role of antibodies anti-O, anti-H, and anti-Vi in phagocytic reaction.
Med. dosw. mikrob. 5 no.2:151-157 1953. (CML 25:1)

1. Of the Institute of Microbiology of the Veterinary Faculty of the
School of Agriculture in Wroclaw.

SKURSKI, A.; JARMOC, Z.

Role of anti O, anti H, and anti Vi antibodies in phagocytic reaction.
Med. dosw. mikrob. 5 no.3:356-357 1953. (CIML 25:5)

1. Wroclaw.

VALAYTIS, Vaidotas; JARMOKIENE, V., red.

[A guide for grinders] Slifuotojo vadovas. Vilnius,
Leidykla "Mintis," 1964. 306 p. [In Lithuanian]
(MIRA 18:1)

Jarmolinska, H.

JANCZURA, E.; JARMOLINSKA, A.; MEIBAUM, W.

Microbiologic determination of tryptophan, leucine, and valine in acid hydrolysates of caseins and in enzymatic hydrolysates of blood. Med. dozw. mikrob., Warsz. 4 no. 3:304-305 1952. (GLML 23:3)

1. Summary of work progress presented at 11th Congress of Polish Microbiologists held in Krakow May 1951. 2. Warsaw.

JARMOLINSKA, H.

641. Electron microscopy of thermophilic bacteria. H. Sluigar, A. Jarmolinska, and A. Felcynowski *Bull. Acad. Polon. Sci.*, 1955, 3, 211-212 (Pt. of Biochem., State Inst. of Hyg., Warsaw).
E.m. observations were made on several strains of thermophilic bacteria (*Bacillus* spp.) isolated from natural fertilizers at 65° on agar slants, and selected for their ability to show reasonably good growth over the temp. range 45-65°. There was no sign of any special protective membrane, capsule or coating, to protect the protoplasmic constituents against the high temp. Nor is the cell wall of any of these strains thicker than the cell walls of mesophilic strains. The cell wall thickness of a given strain showed no variation with temp. as might be expected if it played some protective role. H. Sluigar.

JARMOLINSKA, A.

SHUGAR, D.; JARMOLINSKA, A.; FELTYNOWSKI, A

Some electron microscope observations on thermophilic bacteria.
Acta microb. polon. 4 no.3:177-182 1955.

1. Panstwowy Zaklad Higieny w Warszawie.
(MICROSCOPY, ELECTRON,
of bacteria, thermophil)
(BACTERIA,
thermophilic, electron microscopy)

JARMOLINSKA, A.; SHUGAR, D.

Thermophilous bacteria. p. 10.

(PRZEMYSŁ SPOZYWCZY. Vol. 11, No. 1, Jan. 1957, Warszawa, Poland.)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 10, October 1957. Uncl.

JARMOLINSKA, Maria

Electrolytic method for producing thin Ni-Fe films.
Przeegl elektroniki 3 no.2:71-79 F '62.

1. Zaklad Elektroniki Instytutu Podstawowych Problemow
Techniki Polskiej Akademii Nauk.

BURKIEWICZ, K.; JARMOLINSKA, M.; KOZLOWSKA, H.

Results of studies on the technology and some magnetic properties of thin permalloy layers produced electrolytically. Archiw elektrotech 11 no. 1:177-180 '62.

1. Zaklad Magnetykow, Instytut Podstawowych Problemow Techniki, Polska Akademia Nauk, Warszawa.

37088

P/019/62/011/001/008/010
D265/D302

24,2200

AUTHORS: Burkiewicz, K., Jarmolińska, M., and Kozłowska, H.

TITLE: Results of investigations into some magnetic properties of thin layers of permalloy produced by electrolytic methods

PERIODICAL: Archiwum elektrotechniki, v. 11, no. 1, 1962, 177-180

TEXT: In an attempt to obtain quick-acting logic and memory elements research has been carried out at the Instytut elektroniki IPP T PAN (Institute of Electronics IPPT PAS) on methods of obtaining thin-layered permalloys by vapor deposition in vacuum and by electrodeposition. The technology of electrolytic methods described is based on first covering a thin glass rod with a layer of silver and then subjecting it to electrolytic action in a bath containing nickel and iron anodes. By varying the concentration of nickel and iron ions in various solutions, layers of permalloy were obtained. Oscilloscopic methods were employed for the static measurements of magnetic properties. No attempt as yet been made to eliminate the magnetostrictive properties. Good mechanical and magnetic properties. X

Card (1/2)

L 1428-64 EWT(1)/EWP(q)/EWP(b)/BDS AFFTC/ASD/ESD-3/IJP(C) G3/ND
ACCESSION NR: AP3003189 P/0053/63/000/05-/0276/0284

AUTHOR: Jarmolinska, Maria ~~AB~~

TITLE: The effect of certain technological parameters on the coercivity of electrolytically deposited thin Ni-Fe films

SOURCE: Przegląd elektroniki, no. 5-6, 1963, 276-284

TOPIC TAGS: Ni-Fe film, electrolysis, coercivity, Ni film, Fe film, Ni, Fe, nickel, iron

TRANSLATIONS: The effect of electrolysis parameters upon the coercive force (H_c) of thin Ni-Fe films was studied. Films were obtained from chloride-sulfate solutions and were deposited on electropolished, rod-shaped bases. The amount of added saccharin varied between 0 and 2 g/liter of solution. Current density was 10 milliamps/cm² at pH 3.3. Solution temperature was 20C. Coercivity was determined by the equation $H_c = ad - b$ where d is the film thickness; a and b are constants; a being a function of base roughness (the smoother the surface, the larger the value for a), and b being a function of electrolysis conditions. When the composition contains about 87% Ni, the constant b changes its sign. Coercivity was

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ACCESSION NR: AP3003189

measured by a hysteresis meter with an accuracy up to ± 0.1 oersteds. Findings show that there is a limiting value for saccharin addition, equal to about 0.6 g/liter. Further increase in saccharin above this limiting value does not produce any observable changes in the layer's coercivity. Effect of solution's acidity upon layer coercivity was examined over a pH range of 1 to 4.2. Measurements were made with a tube-type pH meter. There is a limiting acidity value below which no changes in coercivity can be observed for all practical purposes. An increase in the solution's acidity leads to a rapid rise in the layer's coercivity. Effect of current density was made over a current density range from 2 milliamps/cm² to 30 milliamps/cm for three cases. Two cases included a solution of identical composition but with pH values of 4.3 and 3.3. The third case was a different solution whose pH was 3.3. The relationship of coercivity to current density for the third case exhibits clear minimums for the values H_c (at about 10 milliamps/cm²), while the processes for the first solution have a monotonic character. Author concludes that preparation of Ni-Fe films in the manner described is not yet perfected and that further studies are necessary. "In conclusion, I wish to thank Prof. Dr. A. Smolinski and Graduate Eng. H. Lachowicz for their valuable suggestions." Orig. art. has: 1 equation and 6 figures.

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2/3

L 1128-64

ACCESSION NR: AP3003189

ASSOCIATION: Zakład Magnetyków IPPT PAN (Institute of Magnetism, IPPT PAN)

SUBMITTED: 27Feb63

DATE ACQ: 23Jul63

ENCL: 00

SUB CODE: CH, PH

NO REF SOV: 000

OTHER: 009

Card 3/3

JARMOLINSKA, Maria

Electrolytic method of producing thin NiFe films. *Wspolczesna nauka* Pol 25:159-170 '63.

1. Institute of Basic Technical Problems, Polish Academy of Sciences, Warsaw.

JARMOLINSKA, Maria; BURKIEWICZ, Krystyna

Some results of studies on thin permalloy films obtained electrolytically. Zesz probl nauki i techn 5:191-193 '63.

1. Institute of Basic Technical Problems, Polish Academy of Sciences, Warsaw.

JARMOLINSKA-ADAMCZEWSKA, H.

Studies on the methods of cultivation of *Phytophthora infestans*
(Mont.) de Bary. *Bul Ac Pol biol* 10 no.7:261-263 '62.

1. Laboratory of Phytopathology, Institute of Plant Cultivation and
Acclimatization, Warsaw. Presented by J. Lekczynska.

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JARMOLOVSKA, T.

Comparison of laboratory methods in the diagnosis of ascariasis
and trichocephaliasis. Sveik. apsaug. 8 no.9:53-54 S'63.

*

JARMOLOWICZ, H.

POL.

3152
Bukowicz K., Jarmolowicz H. Carotene Solutions in Vegetable Oils,
„Oficyna Wydawnicza Karolena i ich zastosowanie”. (Prace GI. Inst.
Przem. Roln. i Spoz. No 5), Warszawa, 1954, PWT, 12 pp., 22 tabs.

Research was carried out over the faculty of certain vegetable oils to extract carotene from abundant carotene sediment obtained from raw carrot juice. The solutions so obtained were used as a coloring in margarine and butter. The proportion of carotene added varied from 2 to 3 g per gramme of margarine. The experiments proved carotene to be an eminently suitable medium for coloring both margarine and butter. Certain physical, chemical and organoleptic changes occurring in the oily solutions of carotene, as well as in margarine and butter to which carotene had been added as a coloring and which were stored in varying conditions -- in refrigerators, in daylight etc. -- were determined.

See also: 3979, 3985, 3989, 3170, 3269, 3292, 3297, 3210, 3235.

JARMOLOWICZ, H.

Oil solutions of carotene and their applications. E. Rukhowicz and H. Jarmolowicz (Zaklad Olejow i Tuzosow, GMPRS, Warsaw) *Prace Olszowego Inst. Przemyslowo-Kolarnego* 3: No. 3, 1-12 (1954) (English summary).—Carotene (I) was extd. by beechnut oil, hazelnut oil, peanut oil, and rapeseed oil from the L-contg. albumin sediment which settles in raw carrot juice. These exts. were kept at room temp. (17-28°, depending upon the time of the year); they contained 0.250-0.347 mg. I/ml., and the assay remained practically unchanged for a long time (av. loss 7.7% over 4 months) if such solns. were protected with paraffin and CO₂. Exposure to sunlight caused a rapid decrease of I to 23.7% of the original value, but if an antioxidant were present, the amt. dropped to 49.8% only (typical expt.). These statements held true for all the oils used. These solns. were added to butter (II) and margarine (III) so that 2-3 γ I was present per g. of II or III. If I were kept in the dark at 0°, no loss of I could be found in II or III after 3.5 months, but there was a loss of 3-20% if the II or III were exposed to light, and a loss of 4-12% if an ordinary household refrigerator (not 0°) were used. The coloration was always satisfactory. Werner Jacobson

JARMOLOWICZ, H.

✓The influence of catalytic poisons and of substances increasing hydrogen overvoltage on the electrolytic reduction yield of nitrobenzene and oxalic acid. M. Szymolowski and H. Jarmolowicz. *Bull. acad. polon. sci., Classe III*, 3, 107-108 (1955) (in English).—Catalytic poisons of the reaction $2H = H_2$ increase the yield of PhNH₂ in the electrolytic reduction of PhNO₂ but do not affect the yield of glyoxalic acid (I) from H₂C₂O₄. It is hypothesized that reduction of PhNO₂ is based on the action of atomic H but that reduction of H₂C₂O₄ is dependent on the H overvoltage. Addn. of 0.03 g./l. As₂O₃ to the catholyte increases the yield of PhNH₂ when PhNO₂ is reduced under the following conditions: catholyte is 10 g. PhNO₂, 15 ml. EtOH, and 400 ml. 6% HCl; cathode is a 1 sq. dm. Pb sheet; cathodic c.d. is 6 amp./sq. dm.; anode is a Pb sheet; anolyte is 10% H₂SO₄, temp. is 20 to 50°, and a ceramic diaphragm. With the same conditions except for a catholyte of 10 g. PhNO₂, 250 ml. 80% HOAc, and 140 ml. 25% HCl, the yield of PhNH₂ increases in the order: no catalyst < Sb, Se, or Te < Na₂S, H₂S, or thiourea < 0.03 g./l. As₂O₃ < 1.2 g./l. yellow P in CS₂. Addn. of 0.02 g./l. As₂O₃ decreases the yield of I when H₂C₂O₄ is reduced under the following conditions: cathode is a 0.85 sq. dm. Pb sheet; catholyte is 10 g. H₂C₂O₄.2H₂O in 4% H₂SO₄; cathodic c.d. is 2.33 amp./sq. dm.; anode is Pb; anolyte is 11% H₂SO₄; ceramic diaphragm; temp. is 10-13°. Under the same conditions 25 g./l. Na₂SO₄ (which raises the H overvoltage on Pb) increases the yield; P, S, Sb, Se, and Te do not affect the yield, and Cu⁺⁺ stops the reaction. Herbert B. Rickert

MAJCHRZAK, S.H.; JARMOLOWICZ, H.

X-ray study of textured nickel electrodeposits charged with
cathodic hydrogen. Bul chim PAN 12 no. 3:155-156 '64.

1. Institute of Physical Chemistry, Polish Academy of Sciences,
Warsaw. Presented by M.Smialowski.

KOSZAROWSKI, Tadeusz; MEYZA, Jerzy; ROSNOMSKI, Andrzej; JARMOLOWICZ, Jan
KOLOBZIEJSKI, Tadeusz

Intramural administration of mitotic poisons before gastrectomy
(experimental studies in dogs). Nowotwory 14 no.3:201-206
Ag-5 '64.

1. z Oddziału Chirurgicznego Instytutu Onkologii w Warszawie
(Kierownik: prof. dr. med. T. Koszarowski); z Zakładu Patologii
Ogólnej i Icoswiadczalnej Akademii Medycznej w Warszawie (Kie-
rownik: prof. dr. med. J. Walawski); z Zakładu Anatomii Pato-
logicznej Akademii Medycznej w Warszawie (p.o. Kierownik: doc.
dr. med. R. Stanczyk) i z Pracowni Klinicznej Instytutu Onko-
logii w Warszawie (Kierownik: dr. J. Jarmolowicz; Dyrektor:
prof. dr. med. W. Jasinski).

JIN 1140012

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

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62348

Author: Vektaris, B., Garjonyte, D., Stelmokaite, A., Jarulaitis, V.,
Jarmovskis, S.

Institution: None

Title: Chalk Marls as Raw Material for the Production of Silicate Brick

Original

Periodical: Kauno politechn. instit. darbai, Tr. Kaunassk. politekhn. in-ta,
1955, 3, 61-69; Lithuanian; Russian resumé

Abstract: It was found that calcined chalk marls (M) of Lithuanian SSR can be used as calcareous component in the production of silicate brick. With a 10-15% content of M in the paste strength of the brick is 200-300 kg/cm². It is also possible to use calcined or partially calcined M as hydraulic additive (50% of the weight of binder) to produce brick of first grade.

Card 1/1

JARMUZYNSKI, B.

Economy on the Polish State Railroads. p.236
(PRZEGLAD KOLEJOWY, Vol. 9, No. 6, June 1957, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9, Sept. 1957, Uncl.

STOJALOWSKA, Wanda; JARNICKA, Halina; STANIOS, Wladyslaw

Oxyuriasis control among children in orphanages and boarding schools. Wiadomosci parazyt. 7 no.2:503-506 '61.

1. Katedra Biologii Ogolnej Akademii Medycznej, Lublin.

(OXYURIASIS ther) (ANTHELMINTICS ther)

STOJALOWSKA, Wanda; STANIOS, Wladyslaw; JARNICKA-STANIOS, Halina

Attempted control of enterobiosis in children's homes and boarding schools. Pol. tyg. lek. 17 no.19:747-750 7 My '62.

1. Z Katedry Biologii Ogolnej Wydzialu Lekarskiego AM w Lublinie;
kierownik: prof. dr H. Jawlowski.

(OXYURIASIS prev & control.)

STOLAJOWSKA, Wanda; JARNICKA-STANIOS, Halina; STANIOS, Wladyslaw

The results of treatment and prophylactic measures in oxyuriasis
(enterobiosis). Wiad. parazyt. 10 no.4:447-449 '64

1. Katedra Biologii Akademii Medycznej, Lublin.

STOJALOWSKA, Wanda; JARNICKA-STANIOS, Halina; STANIOS, Wladyslaw.

Prevention and therapy of enterobiasis. Pol. tyg. lek.19 no.28:
1106-1108 13 - 20 J1'64

1. Z Katedry Biologii Wydziału Lekarskiego Akademii Medycznej
w Lublinie; kierownik : doc. dr. W. Stojalowska.

STOJALOWSKA, Wanda; JARNICKA STANIOS, Halina, STANIOS, Wladyslaw

Results of the treatment of enterobiosis. Wiad. parazyt. 11 no.1:
39-43 '65

1. Katedra Biologii Akademii Medycznej, Lublin.

JARNIK, J.; ZRNO, J.

JARNIK, J.; ZRNO, J. Erection of equipment for mixing liquid manure. p. 99

Vol. 4, no. 3, Mar. 1956

POZEMNI STAVBY

TECHNOLOGY

Praha, Czechoslovakia

So: East European Accession Vol. 6, No. 2, 1957

JARNIK, Jiri (Zitna 25, Praha 1)

On some assumptions of the theorem on the continuous dependence on a parameter. Cas pre pes mat 86 no.4:404-414 '61.

1. Matematicky ustav Ceskoslovenske akademie ved.

(Mathematics)

KUFNER, Alois; JARNIK, Jiri

"Differential equations and their applications." Reviewed
by Alois Kufner, Jiri Jarnik. Aplikace mat 9 no.4:310-312 '64.

JARNIK, Jiri

Dependence of solutions of a class of differential equations of the second order on a parameter. Chekhosl mat zhurnal 15 no.1:124-160 '65.

1. Institute of Mathematics of the Czechoslovak Academy of Sciences, Prague 1, Zitna 25. Submitted January 16, 1964.

JARNIK, Josef, inz., arch.

Standardization and typification of agricultural constructions.
Normalizace 11 no.9:296-297 S '63.

1. Statni ustav pro vyvoj a typizace zemedelskych a lesnickych
staveb, Praha.

JARNIK, VOJTECH

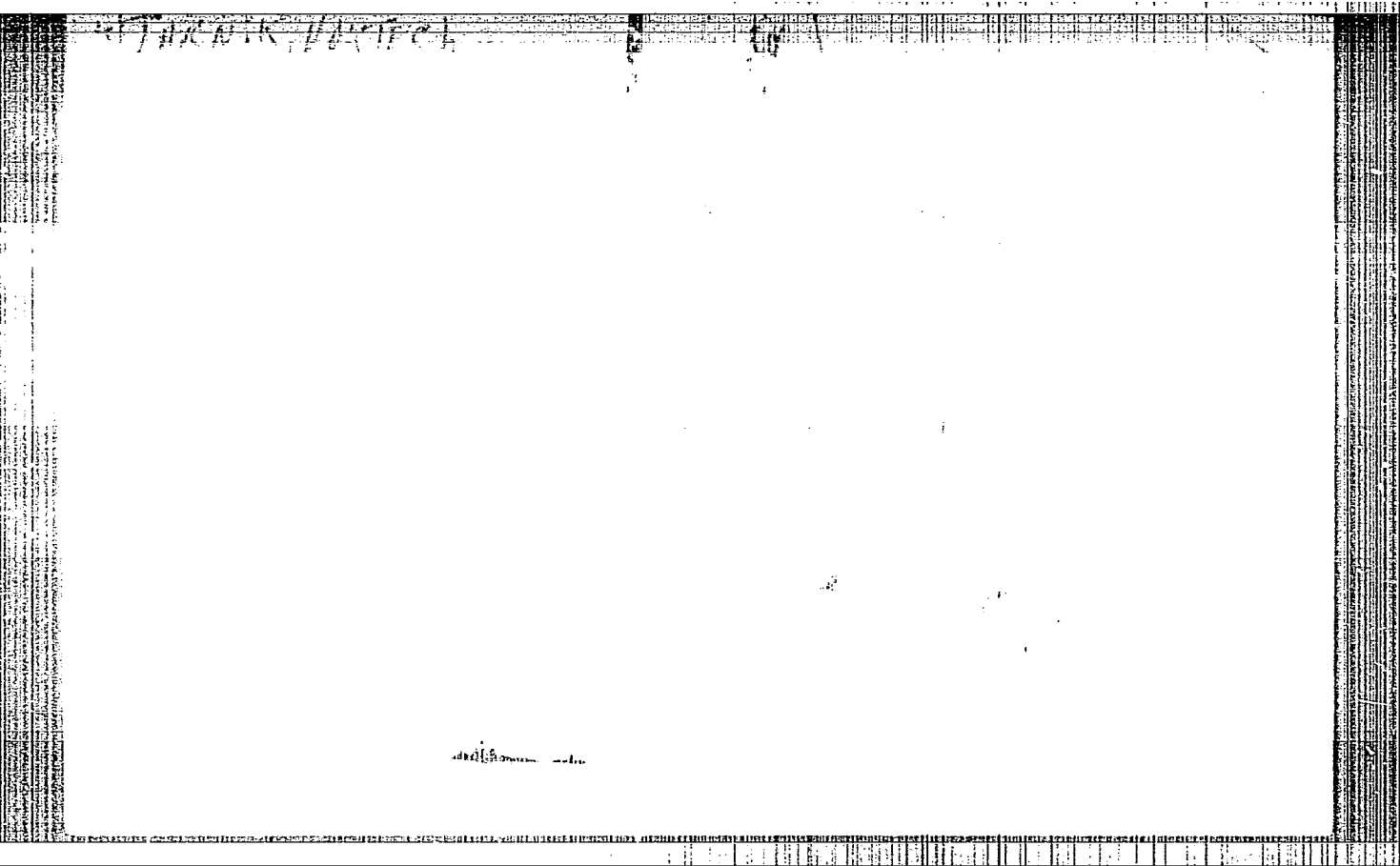
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JARNIK V. *[Handwritten signature]*

JARNIK, VATECH

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SARMIK VOJTECH



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SARNIK, Vorko, etc.

JARVIK, V

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JARMIK, V.

Table V Summary of functions of few functions

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CIA-RDP86-00513R000619520008-0"

JARNIK VOJEČU

Jaroslav Vojtech

Contribution à la théorie des approxi-

Category : CZECHOSLOVAKIA, General Problems - Scientific Institutions, Conferences A-2

Abs Jour : Ref Zhur - Fizika, No 1, 1954, No 36

Author **APPROVED FOR RELEASE: 08/10/2001** **CIA-RDP86-00513R000619520008-0"**
~~ROVNEK, Jozef~~

Title : Future Plan of Section 1 (of the Czechoslovak Academy of Sciences)

Orig Pub : Vest. Ceskosl. Akad. ved, 1954, 63, No 4-6, 136-188

Abstract : General outline of projects, encompassing the following sections:
physics, astronomy, geodesy, geophysics, meteorology, and climatology,
and mathematics. The importance of the topics of applied significance
is emphasized.

Card : 1/1

JARNIK, VOJTECH

Diferencialni pocet... Celostatni vysokoskolska ucebnice. Praha, Nakl. Ceskoslovenske akademie ved. (Differential calculus; a national university textbook. diags.)

Vol. 1. (4th ed.) 1955

NjP Not in DLC

Vol. 2. (2nd ed.) 1956

NjP

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

JARNIK, Vojtěch

JARNIK Vojtěch

2
III

Jarník, Vojtěch. Ten years of mathematics in liberated
Czechoslovakia. Časopis Pěst. Mat. 60(1955), 261-
273. (Czech)

4

JARNIK, VOJTECH

Diferencialni pocet II; celostatni vysokoskolska ucebnice. (2. i.e. 3. vyd.)
Praha, Nakl. Ceskoslovenska akademie ved, 1956. 60^o p. (Differential
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Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EFAI) Vol. 6, No. 11 November 1957

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no.11:315-319 1 June 50. (GLML 19:4)

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Prof. M.Stejfa, M.D.)

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1. Z Zakladu Epidemiologii PZH Kierownik: prof. dr Jan Kostrzewski.
(DYSENTERY BACILLARY statist)

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HANNA JARWISKIEWICZ

✓ Detection of organic impurities in glycerol by descending chromatography. Halina Grynsberg, Hanna Jarwisiewicz, and Irena Malinowska. *Praca Instytutu Chemii Przemysłowej Spółdzielczej* 8, No. 3, 15-30 (1958).
 NH₄ salts of C₄-C₈ aliphatic acids were sepd. by descending chromatography on Whatman No. 1 paper in an atm. of NH₃ and BuOH with BuOH satd. with NH₄OH soln. as an eluant and bromocresol green as a developer. R_f values, relative to NH₄ butyrate were: formate and acetate 0.45; propionate 0.70; butyrate 1.0; valerate 1.27; and caprylate 1.54 (averages for 17 runs). Chromatograms of 10-20 microliters glycerol (I) run alongside synthetic blanks permitted rough quant. estns. Crude I contained 1-2% and distd. I 0.2-0.7% of these acids. Descending chromatography of 5 microliters of I with PhOH, equilibrated with a phosphate buffer of pH 12 as an eluant, Whatman No. 1 paper, an atm. of Ph/phosphate buffer, and ninhydrin developer demonstrated the presence of aspartic acid, glutamic acid (II), serine (III), glycine (IV), threonine (V), and alanine (VI). Similarly, with BuOH/glacial AcOH/water system, cystine, lysine, histidine, arginine, asparagine, IV, III, V, II, VI, proline, tyrosine, valine, and methionine were sepd. in the order given. Total amt. of amino acids in crude I was estd. to be 0.14% and in distd. I 0.05-0.08%. Detection of aldehydes in I was carried out by pptg. the corresponding 2,4-dinitrophenylhydrazones, dissolving them in pyridine:MeOH:PhOH soln. (1:10:5) and chromatographing at 40° on acetylated Whatman No. 1 paper with EtOH as an eluant. The following were detected: (R_f range for 25 runs) glyceraldehyde (0.18-0.22); acrolein (0.40-0.51); and formaldehyde (0.58-0.72). The presence of I did not interfere with chromatography of the compds. investigated. Czesław Bankiewicz

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V₁ of *Eberthella typhosa*; First report. Bull. State Inst. Marine Trop.
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A study on the aerosols formed during welding works. I. The morphology of particles. Bull. inst. mar.med.Gdansk. 15 no.1:53-59'64

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HUNGARY/Forestry - Dendrology.

K-3

Abs Jour : Ref Zhur - Biol., No 5, 1958, 20127

Author : ^J~~J~~aro, Z.

Inst : -

Title : The Hungarian Red Oak's Conditions of Growth.

Orig Pub : Erdő, 1957, 6, No 2, 63-67.

Abstract : No abstract.

Card 1/1

JARO, Z.

AGRICULTURE

Periodicals: ERDESZETTUDOMANYI KOZLEMENYEK. ~~XXIX~~ No. 1, 1958

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The forest litter. p. 302.

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Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11, November 1959,
Uncl.

KERESZTESI, Bela, dr., a mezogazdasagi tudomanyok doktora; JARO, Zoltan, dr.,
a mezogazdasagi tudomanyok kandidatusa

Forestry research in the Rumanian People's Republic. Erdo 11 no.11:
500-510 N '62.

1. Erdeszeti Tudomanyos Intezet igazgatoja, Budapest. 2. Erdeszeti
Tudomanyos Intezet tudomanyos munkatarsa, Budapest.

JARO, Zoltan, dr., tudományos főmunkatárs

Investigation of the habitat of noble poplars at Pusztavacs.
Erdo 12 no.4:145-150 Ap '63.

1. Scientific Institute of Forestry, Budapest.

JARO, Zoltan, dr., tudományos főmunkatárs

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1. Erdeszeti Tudományos Intezet, Budapest.

BABOS, Imre, dr., a mezogazdasági tudományok (erdészet) doktora;
JARO, Zoltan, dr., tudományos főmunkatárs; KERESZTESI, Bela,
dr., a mezogazdasági tudományok (erdészet) doktora

Poplar growing on the "Jelen" game and forest farm. Erdo
13 no.11:495-505 N '64.

1. Scientific Division Head, Scientific Institute of Forestry,
Budapest (for Babos). 2. Scientific Institute of Forestry,
Budapest (for Jaro). 3. Director, Scientific Institute of
Forestry, Budapest (for Keresztesi).

JARG, Zoltan, dr., tudományos főmunkatárs

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1. Scientific Institute of Forestry, Budapest.

JAROC H, CIARAN

CZ-295

Prague, Slaboproudy Obzor, Jan 56

CERMAK, Jindrich, Engr, Member of the Research Institute of Telecommunications (Vyzkumny ustav telekomunikaci)

JAROC H, Otakar, Associated with the Chair of Mathematics of the Electrotechnical Faculty of the Czech Advanced Technical School in Prague

LOOS, Rudolf, Horst, Member of the Research Institute of Heat Technology (Vyzkumny ustav Tepelne techniky), in Prague in research measurement technology

PIRKO, Zdenek, Chair of Mathematics of the Electrotechnical Faculty of the Czech Advanced Technical School in Prague

SMETANA, Ctirad, Engr, Member of the Research Institute of Tele-communications

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Topic 1

JAROCH, Otakar

Commemorating the 60th birthday of professor Josef Stransky,
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Aplikace mat 5 no.6:489-490 '60.

JAROCH, Otakar, dr.

American terminology for linear networks. Slaboproudy obzor 22 no.12:
771 D '61.

(Electric currents)

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D407/D301

16.6500

AUTHOR: Jaroch, Otakar, Doctor

TITLE: Approximation by exponential functions

PERIODICAL: Aplikace matematiky, v. 7, no. 4, 1962, 249-264

TEXT: The article describes a new method of calculating the coefficients of the least-squares exponential approximation of a given function. Some methods of linear network synthesis are based on the approximation of a function $f(t)$, integrable square in the interval $\langle 0, +\infty \rangle$, by exponential functions

$$f(t) \approx f_n(t) = a_1^{(n)} e^{-\alpha t} + a_2^{(n)} e^{-2\alpha t} + \dots + a_n^{(n)} e^{-n\alpha t}, \quad t \geq 0, \alpha > 0. \quad (1.1)$$

Required is the least-squares approximation, i.e.

$$\varepsilon_n^2 = \int_0^{\infty} [f(t) - f_n(t)]^2 dt = \min. \quad (1.2)$$

This approximation is used by J.H. Laning and R.H. Battin (Ref. 2: Random processes in automatic control, McGraw-Hill 1956, Russian

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Approximation by exponential functions

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translation IIL Moscow 1958) and by N.K. Krug (Ref. 1: Raschet chetyrekhpolyusnikov po zadannym napryazheniyam (impul'sam) vkhoda ivykhoda (Calculation of quadrupoles according to the given approximation of the (pulse) input and output), Trudy MEI, vyp XIV, GEI Moscow-Leningrad 1953, pp. 7-18). Since the calculation method for coefficients $a_k^{(n)}$, given in Ref. 2 is rather lengthy, and Ref. 1 lists no method at all, this article describes a new method of calculating these coefficients by exponential approximation. The method is distinguished by the features that it proceeds from values of the Laplace transform of the approximated function, and that it calculates the coefficients by multiplying a numerical matrix with a column vector. After determining basic properties of the orthogonal exponential polynomials $\varphi_k(\alpha t)$, and computing the coefficients of the corresponding orthogonal expansion of a given function, the article lists the following steps for computing the coefficients $a_k^{(n)}$ of the exponential approximation (1.1) of the function $f(t)$, integrable square in the interval $\langle 0, +\infty \rangle$, at given $\alpha > 0$ and n :
1) The Laplace transform $F(p) = \mathcal{L}\{f(t)\}$ of the approximated function is found. 2) Functional values of the Laplace transform are

Card 2/3

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JAROCH, Ot., dr.

"Fundamentals of the Laplace transformation" by C.J. Savant, Jr.
Reviewed by Ot. Jaroch. Slaboproudý obzor: Suppl.: Literatura 24
no.5:L37 '63.

JAROCH, Otakar, dr.

"Higher algebra" by A.P. Misina [Mishina, A.P.], I.V. Proskurjakov
[Proskuryakov, I.V.]. Reviewed by Otakar Jaroch. Slaboproudny
obzor:Suppl.:Literatura 24 no.7:L55 '63.

JAROCH, Otakar, doc., dr.

"Nomography" by V.Plaskot. Reviewed by Otakar Jaroch. Slaboproudy
obzor 24 no.9:Suppl.:Literatura 24 no.9:165 '63.

JAROCHOWSKA, M.

Iron ores of Steep Rock Lake in Canada, p. 157
(Geografia W Szkole, Vol. 10, no. 3, May/June, 1957, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9, Sept. 1957 Uncl.

JAROCKE, W.

Studying the form of piles for dams. p. 22. WIADOMOSCI SLUZBY
HYDROLOGICZNEJ I METEOROLOGICZNEJ. Warszawa. Vol. 5, No. 2, 1956.

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