

COTIGARU, Buium, ing.; IONESCU-MUSCEL, Ana, ing.; IONESCU-MUSCEL,
Cornel, ing.; PETRESCU, Viorel

Electronic methods and devices for qualitative analysis of
leathers. Industria usocara 11 no. 4:169-172 Ap '64.

34595
S/044/62/000/001/047/061
C111/C222

16.6500 16.3400
AUTHOR: Coșin, A.

TITLE: A comparative examination of error estimates of some formulas for the numerical integration of differential equations

PERIODICAL: Referativnyy zhurnal, Matematika, no. 1, 1962, 26-27, abstract 1V135. ("Lucrări științ. Inst. politehn. Cluj." Cluj. 1960, 31-42)

TEXT: The author compares the error estimates for approximate solutions of the equation $y' = f(x,y)$, $y(x_0) = y_0$ obtained by various methods. It is required that the right-hand side $f(x,y)$ of the equation, together with its partial derivatives

$\frac{\partial^r f(x,y)}{\partial x^l \partial y^k}$ be uniformly continuous in the domain

$$D \{ |x - x_0| \leq a, |y - y_0| \leq b \}$$

and that $|f(x,y)| \leq N$,

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$$\left| \frac{\partial^r f(x,y)}{\partial x^l \partial y^k} \right| \leq \frac{M}{N^{k-1}}, \quad aN \leq b, \quad aM \leq 1.$$

Formulas of the third and fourth orders of exactness are considered; in the first case $0 < r \leq 3$, in the second $0 < r \leq 4$. The error estimates of the formula of third order by Runge and Hain are

$$|y_1(x) - y(x)| < 3.78 MN \frac{M^3-1}{M-1} (x-x_0)^4$$

and

$$|y_1(x) - y(x)| < 1.371 MN \frac{M^3-1}{M-1} (x-x_0)^4$$

respectively. For the two formulas of fourth order by Kutta:

$$y_1(x) = y_0 + \frac{x-x_0}{6} (k_1 + 2k_2 + 2k_3 + k_4)$$

where

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$$k_1 = f(x_0, y_0),$$

$$k_2 = f\left[x_0 + \frac{1}{2}(x-x_0), y_0 + \frac{1}{2}k_1(x-x_0)\right],$$

$$k_3 = f\left[x_0 + \frac{1}{2}(x-x_0), y_0 + \frac{1}{2}k_2(x-x_0)\right],$$

$$k_4 = f\left[x_0 + (x-x_0), y_0 + k_3(x-x_0)\right],$$

and

$$y_1(x) = y_0 + \frac{x-x_0}{8} (k_1 + 3k_2 + 3k_3 + k_4)$$

where

$$k_1 = f(x_0, y_0),$$

$$k_2 = f\left[x_0 + \frac{1}{3}(x-x_0), y_0 + \frac{1}{3}k_1(x-x_0)\right],$$

Card 3/4

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$$k_3 = f \left[x_0 - \frac{2}{3}(x-x_0), y_0 - \frac{1}{3} k_1(x-x_0) + k_2(x-x_0) \right]$$

$$k_4 = f \left[x_0 + (x-x_0), y_0 + k_1(x-x_0) - k_2(x-x_0) + k_3(x-x_0) \right]$$

the error estimates are

$$|y_1(x) - y(x)| < 5.37 MN \frac{M^4-1}{M-1} (x-x_0)^5$$

and

$$|y_2(x) - y(x)| < 34.71 MN \frac{M^4-1}{M-1} (x-x_0)^5$$

[Abstracter's note: Complete translation.]

Card 4/4

VAISLER, E.; COSTINER, Emma; DANCASIU, Minerva

Action of vitamin B 12 on animals with varying degrees of liver damage. Stud. cercet. endocr, 15 no.1:37-39 '64.

COTLAREVSCHI, V.
SURNAME, Given Names

Country: Rumania

Academic Degrees: [not given]

Affiliation: [not given]

Source: Timisoara, Timisoara Medicala, No 2, Jul-Dec 60, pp. 71-78.

Data: "Bacteriological Investigations in the Surgery Section and the Operating Room of a Unified Hospital."

Co-authors:

COTLAREVSCHI, E. [degrees and affiliations not given]

FENESAN, I.

070 981643

COTIC, Analijsa

The problem of scarlet fever epidemic in Primorje. Zdrav. vest.,
Ljubljana 24 no.9-10:361 1955.

1. Infekcijski oddelek (ajdovscina) splosne bolnisnice v vipavi.
(SCARLET FEVER, epidemiol.
in Primorje, Yugosl. (Sl))

COTIC, B.

"Slovenian Peanuts, A Raw Material For The Production of Oil." p. 50. (Nova Proizvodnja,
Vol. 4, no. 1, Apr., 1953, Ljubljana.)

SO: Monthly List of ~~Russian~~ ^{East-European} Accessions, Library of Congress, Vol. 2, No. 9, September 1953, Uncl.

RUMANIA

MARIAN, Dr. A.; ADAMESTEANU, Dr. C-TA; COTIGA, Physician (ct.); JIDUC, Angela; and MIHALACHE, Marie; Veterinary Regional Laboratory (Laboratorul veterinar regional,) Bucharest.

"Observations on Listerellosis in Various Animal Species in the Bucharest Region"

Bucharest, Revista de Zootehnie si Medicina Veterinara, Vol 16, No. 5, May 66; pp 65-69.

Abstract: [English summary modified]: Report of listerellosis (*Listeria monocytogenes*) in pigs and sheep, 1961 and 1962: Symptoms were predominantly those of the central nervous system affection, explainable by finding of abscesses only in the brain and in the medulla upon necropsy. In 9 foci of sheep, morbidity in the individual herds was 2-4%. There were no abortions. 1 Soviet and 7 Rumanian references.

1/1

- 104 -

COUNTRY : Rumania
CATEGORY : n-26

ABS. JOUR. : AZKhim., No. 16 1959, No. 58990

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : plant is currently conducting research on the production of colored packaging materials from polyethylene.

A. Marin

CARD: 2/2

IONESCU, Muscel, I., prof.; COTIGARU, B., lector; KELMER, I., lector;
REBEDEA, C., lector; MOLDOVAN, I., ing.; BORSATTI, M.;
IONESCU, Muscel-Ianculescu, M., ing.; GREAVU, V., ing.

Importance of the economist expert in the science of
commodities in the improvement and quality control of
products. Industria usoara 10 no.8:356-360 Ag '63.

CONSTANTINESCU, A.; IONESCU-MUSCEL, I.; CORNILESCU, D.; COTIGARU, B.;
KELMER, I.; IONESCU-MUSCEL, M.; RADULESCU, P.; MIRCEA, C.

Conduits and receivers made of polyvinyl chloride in drinking
water networks. Rev. chimie Min petr 12 no.9:538-5,3 8'61

COTIGARU, Buium, ing.; CORNILESCU, Dan, ing.; IONESCU-MUSCHL, Mircea, ing.

Rational utilization of Turda E Rovinil plastisol.
Industria Usoara 8 no.3:110-113 Mr. '61.

IONESCU-MUSCEL, I., prof. ing.; KELMER, I., lector ing.; COTIGARU, B.,
lector ing.; RUSANOVSKI, Maria, ing.; GHERSIN, E., ing.
CONSTENCIUC, N.

Regarding the pH of the wool washing liquid. Ind text Run
14 no. 11:532-533 N°63.

IONESCU-MUSCEL, I., prof. ing.; REBEDEA, C., ing.; COTIGARU, B., ing.;
RUICEA, Maria, ing.; STOIAN, Elena, ing.; NISTOR, N. BAIETONIU, P.

Mixed cotton and flax duck for protection clothing. Ind text
Run 12 no.8:313-318 Ag'61.

16 6500

38495

S/044/62/000/005/036/072
C111/G444

AUTHOR: Cotiu, F., Cotiu, A.

TITLE: An estimation of the error of the Kutta method of fifth order for the numerical integration of differential equations

PERIODICAL: Referativnyy zhurnal, Matematika, no. 5, 1962, 31, abstract 5V155. ("Studia Univ. Babeş - Bolyai. Math.-phys.", 1960, no. 1, 193-198)

TEXT: The differential equation

$$y' = f(x, y)$$

with the initial condition $y(x_0) = y_0$ is numerically integrated by the formula

$$y_1(x) = y_0 + \frac{x-x_0}{144} (17k_1 + 100k_3 + 2k_4 - 50k_5 + 75k_6)$$

where

$$k_1 = f(x_0, y_0), k_2 = f\left[x_0 + \frac{1}{5}(x-x_0), y_0 + \frac{1}{5}k_1(x-x_0)\right]$$

Card 1/2

An estimation of the error of ...

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$$k_3 = f \left[x_0 + \frac{2}{3} (x-x_0), y_0 + \frac{2}{3} k_2 (x-x_0) \right]$$

and where analogously some more complicated expressions hold for k_4, k_5, k_6 . For the first step of integration an estimation for the error

$$|y_1(x) - y(x)| < 6320MN \frac{M^5 - 1}{M - 1} (x - x_0)^6$$

is given, where

$$|f(x,y)| \leq M, \left| \frac{\partial^k f(x,y)}{\partial x^i \partial y^j} \right| \leq MN^{1-j} \quad (0 < k \leq 5) .$$

One points out the fact that in the praxis the Nyström-method of the same order of exactness should be preferred the Kutta-method, since the error at Nyström being about 2.4 times smaller then the analogous error of the Kutta method. Bibliography with 14 titles.

[Abstracter's note: Complete translation.]

Card 2/2

L 13234-6	EVI(d)/FO(u)/BDS	AFFTC	Pg-4	IJP(C) S/044/83/000/06	3/037/047
AUTHOR:	Cotiu, A.		(R)	51	
TITLE:	A procedure of the eighth order of accuracy for the numerical integration of first-order differential equations				
PERIODICAL:	Referativnyy Zhurnal, Matematika, No. 3, 1963, 1, Abstract 3V; (Studii și Cursuri Mat. Acad. RPR, Fil. Cluj, v. 12, no. 1, 1963, 29-40; Rumanian, summaries in Russian and French)				
TEXT:	For numerical integration of the equation				
	$y' = f(x, y), y(x_0) = y_0$				
	the author proposes the formula				
	$\tilde{y}(x) = y_0 + 0.415k_1 + 0.21k_2,$				
	$k_1 = f(x_0 + 0.586h, y_0)h,$				
	$k_2 = f(x_0 + 0.914h; y_0 + 1.169k_1)h.$				
	[Abstracter's note: Complete Translation]				
	Card 1/1				

COTIU, A.

P 2

PHASE I BOOK EXPLOITATION

RUN/3788

Cluj, Transylvania. Institutul Politehnic

Lucrări științifice (Scientific Works) Cluj, Intreprinderea Poligrafica, 1959.
637 p. Errata slip inserted. No. of copies printed not given. No contributors mentioned.

PURPOSE: This book is intended for mathematicians, physicists, chemists, and civil and mechanical engineers.

COVERAGE: The book consists of 59 papers by Rumanian specialists on problems in science and technology, particularly mathematics, physics, chemistry, metallurgy, civil and mechanical engineering. Summaries in Russian and French or German are given at the end of each article. Some of the articles are accompanied by references. No personalities are mentioned. At the back of the book there are 23 references, all Rumanian.

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Card 2/11

GOTIU, A.

Proceedings of Runge-Kutta type, $n + 4$ ($n \geq 2$) order
of exactness, on three nodes, of numerical integration
of first order differential equations. Bul stiint polit
Gluj no.5:39-49 '62.

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S/044/62/000/010/019/042
B166/B102

AUTHOR: Cotiu, A.

TITLE: Constructing some highly accurate numerical integration methods for differential equations.

PERIODICAL: Referativnyy zhurnal. Matematika, no. 10, 1962, 23, abstract 10V118 (An stiint, Univ. Iasi, v. 6, no. 3, sec. 1, 1960, supl., 585 - 598 Rum.; summaries in Rus. and French)]

TEXT: Using some ideas of Runge and König the author constructs highly accurate methods for the numerical integration of the differential equation $z' = f(x, z)$, $z(x_0) = z_0$ (1) requiring a comparatively small number of substitutions in differential equation (1). Thus by utilizing the relation $z = y + z_0'(x - x_0) + \frac{1}{2}z_0''(x - x_0)^2 + \frac{1}{6}z_0'''(x - x_0)^3 + A(x - x_0)(y - y_0) + B(x - x_0)^2(y - y_0)$ the author gets a method of the seventh order of accuracy, requiring only two substitutions in equation (1). [Abstracter's note: Complete translation.]

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Card 1/1

L 13235-63

EWT(d)/FCC(w)/BDS AFITC Pg-1 LJP(G)

S/044/63/000/003/036/047

(R)

57

AUTHOR: Cotiu, A., Cotiu, F.

TITLE: On certain formulas for numerical integration¹⁶ of the Runge-Kutta type for the differential equation $y' = f(x, y)$

PERIODICAL: Referativnyy Zhurnal, Matematika, No. 3, 1963, 1, Abstract 3V2
(Studia Univ. Babeş-Bolyai, Math-Phys., no. 1, 1961, 157-162;
Rumanian, summaries in Russian and French)

TEXT: Runge-Kutta methods of the third, fourth, and fifth order of accuracy were examined for the approximate solution of the Cauchy problem for the equation $y' = f(x, y)$. Error estimates were derived. It was stated that the author's formulas involving the same accuracy require fewer mesh points than the corresponding well known formulas.

[Abstracter's note: Complete translation.]

Card 1/1

COTIU, A.

Error delimitation in the Fehlberg proceeding of numerical
integration of differential equations of the first order. *Studia*
Univ B-B S. Math-Phys 7 no.2:37-43 '62.

COTIU, A.

Delimitation of errors in the methods of Runge and
heun of numerical integration of the differential equations
of the first order. Bul stiant polit Cluj no.7:33-41 64.

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S/044/62/000/005/036/012
C111/C444

16 6500

AUTHOR: Cotiu, F., Cotiu, A.

TITLE: An estimation of the error of the Kutta method of fifth order for the numerical integration of differential equations

PERIODICAL: Referativnyy zhurnal, Matematika, no. 5, 1962, 31, abstract 5V155. ("Studia Univ. Babeş - Bolyai. Math. phys.", 1960, no. 1, 193-198)

TEXT: The differential equation

$$y' = f(x, y)$$

with the initial condition $y(x_0) = y_0$ is numerically integrated by the formula

$$y_1(x) = y_0 + \frac{x-x_0}{144} (17k_1 + 100k_2 + 2k_4 - 50k_5 + 75k_6)$$

where

$$k_1 = f(x_0, y_0), k_2 = f\left[x_0 + \frac{1}{5}(x-x_0), y_0 + \frac{1}{5}k_1(x-x_0)\right]$$

Card 1/2

An estimation of the error of ...

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C111/C444

$$k_3 = f \left[x_0 + \frac{2}{3} (x-x_0), y_0 + \frac{2}{5} k_2 (x-x_0) \right]$$

and where analogously some more complicated expressions hold for k_4, k_5, k_6 . For the first step of integration an estimation for the error

$$|y_1(x) - y(x)| < 6320MN \frac{M^5 - 1}{M - 1} (x - x_0)^6$$

is given, where

$$|f(x,y)| \leq N, \left| \frac{\partial^k f(x,y)}{\partial x^i \partial y^j} \right| \leq MN^{1-j} \quad (0 < k \leq 5) .$$

One points out the fact that in the praxis the Nyström-method of the same order of exactness should be preferred the Kutta-method, since the error at Nyström being about 2.4 times smaller then the analogous error of the Kutta method. Bibliography with 14 titles.

[Abstracter's note: Complete translation.]

Card 2/2

L 13235-63

EWI(d)/FCC(w)/BIS

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IJP(G)

S/044,63/000/003/036/047

(R)

57

AUTHOR: Cotiu, A., Cotiu, F.

TITLE: On certain formulas for numerical integration¹⁶ of the Runge-Kutta type for the differential equation $y' = f(x, y)$

PERIODICAL: Referativnyy Zhurnal, Matematika, No. 3, 1963, 1, Abstract 302
(Studia Univ. Babeş-Bolyai, Math-Phys., no. 1, 1961, 157-162;
Rumanian, summaries in Russian and French)

TEXT: Runge-Kutta methods of the third, fourth, and fifth order of accuracy were examined for the approximate solution of the Cauchy problem for the equation $y' = f(x, y)$. Error estimates were derived. It was stated that the author's formulas involving the same accuracy require fewer mesh points than the corresponding well know formulas.

[Abstracter's note: Complete translation.]

Card 1/1

COSTIUC, M.

Cuceriavii, M. Costiuc, M.

"Study of root systems and respiration of trees." p. 57.
(Analele Romano-Sovietice. Seria Silvicultura-Industria Lemnului Si A Hartiel.,
Series a II-a, v. 7, no. 15, Sept/Oct. 1952, Bucuresti)

SO: Monthly List of East European Accessions, Vol. 2, No. 9, Library of Congress, September
1953, Uncl.

BUSILA, V. T., prof.; VASILESCU, I., dr.; CUCUTUZ, L., dr.; ALEXANDRESCU, R., dr.;
POPIAN, R., dr.; FITARAU, A., dr.; PLACINTA, A., dr.; STAMBOLIJ, D. W., dr.;
BACALOGLU, D., dr.; PANA, G., dr.; NOVACOVICI, O., dr.; COTLEAREVSCHI, V.,
dr.; COTLEAREVSCHI, E., dr.

Clinical and biological characteristics of a focus of trichinosis.
Med. intern., Bucur 13 no.2:227-236 F '61.

1. Clinica de boli contagioase, Timisoara (for Bacaloglu). 2. Spitalul
si Sanepidul Orsova (for Cotlearevschi).

(TRICHINOSIS)

BUSILA, V. T., prof.; VASILESCU, I., dr.; CUCUTUZ, L., dr.; ALEXANDRESCU, R., dr.;
POPIAN, R., dr.; FITARAU, A., dr.; PLACINTA, A., dr.; STAMBOLIU, D. W., dr.;
BACALOGLU, D., dr.; PANA, G., dr.; NOVACOVICI, O., dr.; COTLEAREVSCHI, V.,
dr.; COTLEAREVSCHI, E., dr.

Clinical and biological characteristics of a focus of trichinosis.
Med. intern., Bucur 13 no.2:227-236 F '61.

1. Clinica de boli contagioase, Timisoara (for Bacaloglu). 2. Spitalul
si Sanepidul Orsova (for Cotlearevschi).

(TRICHINOSIS)

COTNAREANU, I.

Drying electric machines with infrared rays. p. 1.
Rolled tiles from cement mortar. p. 1.
Electric parts from plexiglass for automobiles. p. 4.
(TEHNICA NOUA. RUMANIA. Vol. 3, no. 57, July 1956.)

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

COTNAREANU, I

Utilization of storage batteries in shock conditions.

p. 247

Vol. 4, no. 6, June 1956

ELECTROTEHNICA

Bucuresti

SO: Monthly List of East European Accessions (EEAL), IC, Vol. 5, no. 12
December 1956

COTNAREANU, I.

"A capacitory voltage divider for electric networks."

p. 102 (Electrotehnica) Vol. 5, no. 4, Apr. 1957
Bucharest, Rumania

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

COTNAREANU, I.; PAUN, M.

Electroinsulating materials in the construction of electric equipment suitable for use in tropical climates. p. 48

ELECTROTEHNICA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania si Ministerul Energiei Electrice si Industrii electrotehnice)
Bucuresti, Rumania. Vol. 7, no. 2, Feb. 1959

Monthly List of East European Accessions (EEAI) IC, Vol. 8, no. 7, July 1959.

Uncl.

BRINCENI, Calin; CCTNAREANU, Iosif

A series of single-phase oil transformers under tropicalized conditions. Electrotehnica 11 no. 11/12:415-420 N-D '63.

1. Chief planning engineers in the Transformer Group, "Electrotehnica" Plant, Bucharest.

COTNAREANU, J. (Ing.)

J. Cotnareanu (Bucharest), "Die Anwendung der Trocknung durch Infrarotstrahlen im Elektromaschinenbau," Deutsche Elektrotechnik (Berlin), 11/7, July 1957, pp. 53-5.

BARBU, V.; THELE, H.; UNGUREANU, G.; COTOCIU, F.

Dynamic characteristics of the burning in stratum of Andra
mixtures with Fonor coal. Bul St si Tehn Tim 8 no.1:77-84
Ja-Je '63.

VLADEA, I.; BARBU, V.; UNGUREANU, C.; BEJAN, I.; THEIL, H.; COTOCTU,
Eleonora

Influence of the main parameters on the pulverization angle
of a rotary injector. Bul St si Tehn Tim 7:185-195 '62.

BEJAN, I.; UNGUREANU, C.; COTOCIU, E.; COJEREANU, P.; GUTMAYER, H.

Study of the pulverization uniformity in rotative injectors.
Bul St si Tehn Tim 9 no.1:57-64 Ja-Je '64.

COTOFAN, L., ing.

Achievements in protecting the edges of furniture panels
at the Wood Industrialization Complex in Pitesti. Ind
lomnului 15 no.10:394-397 0 '64.

RUSU, R., dr.; DEUTSCH, L., dr.; DULCA, Fl., dr.; GOIA, E., dr.; NICOLAU, Astra, dr.; MOCANU, Gh., dr.; POPOVICI, C., dr.; COTOI, S., dr.

Contribution on the influence of meteorological factors on the etiopathogenesis of acute vascular accidents. Med. intern. (Bucur) 17 no.5:595-608 My '65.

1. Incrare efectuata in Sectia de boli interne, Spitalul Unificat, Deva.

1679-66

ACC NR: AP6031205

SOURCE CODE: RU/0004/65/000/005/0173/0177

AUTHOR: Cotorogea, Dan (Engineer)

ORG: ISPE, Bucharest

42
B

TITLE: Checking the automatic start conditions of short-circuited asynchronous electric motors

SOURCE: Electrotehnica, no. 5, 1965, 173-177

TOPIC TAGS: electric motor, electric engineering

ABSTRACT: After a brief description of the automatic starting mechanism, the author describes a calculation method to be used for checking the automatic start condition of short-circuited asynchronous motors which have accidentally become disconnected, and gives a numerical example of the calculation. Some suggestions are also given for improving automatic starting performance in general. Orig. art. has: 4 figures, 11 formulas and 1 table. [Based on author's Eng. abst.] [JPRS: 32,482]

SUB CODE: 09 / SUBM DATE: 17Feb65 / ORIG REF: 004

Cord 1/1 af

UDC: 621.313.333.2-573

0918 2638

KIMMEL, E.; GROPSIAN, R.; COTSMAN, A.

Thermoindicator substances with many changes. Studii chim
Timisoara 10 no.2:253-257 J1-D'63.

COCHECI, V.; KIMMEL, E.; PIRVU, I.; TAUBERT, R.; GROPSIAN, R.; COTOSMAN, A.

Obta'ning copper oxychloride from the ashes of copper pyrites.
Bul St si Tehn Tlm 9 no.2:349-354 J1-D '64.

GUTU, A., ing.; ANDREI, Ov., ing.; COTOVANU, E., ing.

Drawing profiles and sketches on scale in vertical plane and large scale by stereoplotting. Rev geodezie 8 no. 2: 64-72 '64.

1. Institute of Mine Planning, Bucharest.

COTOVU, V.; HOTEA, E.; ABRAMESCU, T.

Consolidation of the shores at the city of Constanta. P. LL).
(HIDROTECHNICA. Vol. 2, no. 3, May/June 1957, Rumania)

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

COTOVU, V.

Harbor piers on the Rumanian seacoast. p. 165.
(HIDROTECHNICA, Vol. 2, no. 4, July/ Aug. 1957, Rumania)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 2, No. 12, Dec. 1957
Uncl.

COUNTRY :	Rumania	B-5
CATEGORY :		
ABS. JCUR. :	RZKhim., No. 5 1960, No.	18303
AUTHOR :	Cotrau, M., Sechter, A., and Nastase, V.	
EDIT. :	Not given	
TITLE :	Studies on the Effect of Subsidence on the Properties of Sewage	
ORIG. PUB. :	Hidrotehnica, 4, No 2, 62-65 (1959)	
ABSTRACT :	The results from tests carried out during different seasons of the year are given. It has been established that 2-hr settling lowers the concentration of coarse particles (CP) by 70%; increasing the settling time to 3 hrs results in an insignificant increase over the latter figure. The oxygen demand of the sewage is decreased by 40%. The lack of correlation between the lowering in the concentration of CP and in oxygen demand is explained by the decomposition of organic impuri-	
CARD:	1/2	

COTREL, Y.; TERSEN, G.; MOREL, G.

Corrective fixation in scoliosis. Acta chir. orthop. traum. cech.
29 no.5:393-395 0 '62.
(SCOLIOSIS) (BONE TRANSPLANTATION)

DIMA, M., prof.; COTRUT, Dn.V.; SCONDAC, I.; PETRARIU, I.

Utilization of the residual bisulfite solutions of the cellulose
Manufacture for the obtainment of ion-exchanging resins. I.
Cationites based on lignosulfonic acids, obtained by the condensation
with formaldehyde in acid medium. Studii chim Iasi 11 no.1:103-107
'60. (EEAI 10:3)

1. Comitetul de redactie, Studii si cercetari stiintifice, Chimie,
Filiala Iasi (for Dima)
(Sulfites) (Cellulose) (Ion exchange)
(Gums and resins, synthetic) (Lignosulfonic acids)
(Formaldehyde)

PAUNEL, Elis; CHELARESCU, Al., prof.; NICHITA, Orest; COTRUT, Gh.; MIHUL, Anatolie; BOGHIAN, Ariadna

Studies on the limestones of the Ripiceni-Prut region as building material. Studii fiz tehn Iasi 12 no.2:267-282 '61.

1. Membru al Comitetului de redactie, "Studii si cercetari stiintifice, Fizica si stiinte tehnice" -Filiala Iasi- (for Chelarescu).

DIMA, Mihai, prof.; GOTRUT, Gh.V.; MAVRODIN, Maria; PETRARIU, I.; SCONDAC, I.

Behavior of some cation exchangers during the heat treatment of
sugar-beet juice in the manufacture of sugar. Studii chimie Iasi 10
no.2:339-378 '59. (EEAI 10:1)

1. Membru, Comitetul de redactie, Studii si cercetari stiintifice,
Chimie (for Dima)
(Sugar) (Heat) (Base-exchanging compounds)

DIMA, Mihai, prof.; COTRUT, Gh.V.; CARPOV, A.; META, E.; PETRARIU, I.;
MAVRODIN, Maria

Purification, with ion exchangers, of the glucose solutions
obtained by starch hydrolysis. Studii chim Iasi 12 no.1:
101-135 '61.

1. Academia R.P.R., Filiala Iasi, Institutul de chimie "P.Poni."
2. Membru al Comitetului de redactie, "Studii si cercetari
stiintifice, Chimie" -Filiala Iasi- (for Dima).

DIMA, M.; SCONDAC, I.; POINESCU, Ig.; CARPOV, A.; COTRUT, Gh.V.

Polyelectrolytes from aliphatic vinyl polymers. Pt. 1.
Studia chim Iasi 14 no. 2:233-253 '63.

1. Section of Physicochemistry of Polyelectrolytes, "Petru Poni"
Institute of Chemistry, Rumanian Academy, Iasi Branch.

COTRUT, M.

Country : ROMANIA
Category= : Human and Animal Physiology. T
Digestion. The Esophagus.
Abs. Jour. : Ref Zhur-Biol., No 23, 1958, 106533
Author : Pintea, V.; Jurubescu, V.; Cotrut, M.
Institut. : Timisoara and Bucharest Institute of Agronomy.
Title : Studying the Motor Function of the Esophagus
in Birds (Hens).
Orig. Pub. : Anuarul lucrur. stiint. Inst. agron. Timisoara.
Bucuresti, 1957, 297-310
Abstract : No abstract.

Card: 1/1

64

PORA, Eugen A.; COTRUT, M.

Motility of the esophagus in bovines. Rev biol 4 no.2:355-373 '59.
Rev biol 4 no.2:355-373 '59. (EEAI 9:8)

1. Membre correspondant de l'Academie de la R.P.R. (for Pora)
(CATTLE) (ESOPHAGUS) (REFLEXES)

COTRUT, M.

Action of pilocarpine, atropin, and calcium chloride upon the motricity of esophagus in horses, oxen, sheep, and swine. Studii agr Timisoara 8 no.1/2:55-63 '61.

(Veterinary medicine) (Esophagus) (Pilocarpine)
(Atropin) (Lime, Chloride of)

COTRUT, M.

Esophageal motivity in horses, swine, and sheep. Studii agr Timisoara
8 no.3/4:301-309 Jl-D '61.

1. Institutul agronomic "Prof. Ion Ionescu de la Brad" Iasi.

GOTREUT, Mihai

Oculoesophageal reflex in horses, oxen, sheep, and swine. Studii biol
Cluj 12 no.1:145-151 '61.

1. Institutul agronomic "Ion Ionescu de la Brad" din Iasi.

PORA, Eugen A.; COZUT, Mihai

Motility of the esophagus of bovines. Studii cerc biol anim 13
no.1:29-47 '61. (EBAI 10:7)

1. Membru corespondent al Academiei R.P.R. (for Pora) 2. Catedra
de fiziologia animalelor de la Universitatea Babes-Bolyai din
Cluj si Institutul agronomic din Iasi.

(CATTLE) (ESOPHAGUS)

PINTEA, V.; ~~COTRUT, M.~~; MARGARINT, Iolanda

Physiological observations on the innervation of the carotid sinus of the sheep. Studii agr Timisoara 9 no.3/4:317-324 JI-D '62.

1. Laboratorul de fiziologie animala a Institutului Agronomic, Timisoara si Laboratorul de fiziologie animala a Institutului Agronomic "Ion Ionescu de la Brad", Iasi.

COTRUJ, Nicolae, principal economist

Light industry of Rumania at international fairs and exhibitions.
Industria usoara ll no. 8:441-443 Ag '64.

1. Chamber of Commerce of Rumania.

COTTA, A.; IONESCU, H.

Aspects connected with the manufacturing technology of electric machines in the Klement Gottwald Factory. p. 463.

ELECTROTEHNICA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania si Ministerul Energiei Electrice si Industrii Electrotehnice) Bucuresti, Rumania. Vol. 6, no. 12, Dec. 1958.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 6, June 1959.
Uncl.

NISTOR, Alexandru, Ing. principal (Bucuresti); COTTA, Alexandru,
ing. principal (Bucuresti)

Modern assembly line processing of electric machine shafts
of 3-10 clearance gauge. Electrotehnica 11 no. 5:173-180
My '63.

1. Uzina de masini electrice Bucuresti.

COTTA, N., asistent ing.; GRADIN, A.; TECULESCU, S.; FLEISCHER, H.

A new type of polishing and splint leveling machine. Ind Lemzului
14 no.3:86-89 Nr 163.

GOTTA, Niccolae, ing.

Faculty of Wood Industrialization opens its doors for a new
academic year. Ind lemmului 15 no.8,318-322 Ag '64.

(C)TA. H.. ing.

Acoustic attenuation by windows. Ind lerrnuli 15 no. 12-74-
479 D 161.

COTTA, V.

"How to Increase the Number of Game Animals" p. 41 (Revista 'adurilor,
Vol. 68, No. 9, Sept. 1953, Bucuresti)

East European Vol. 3, No. 3 1954
SO: Monthly List of ~~RUSSIAN~~ Accessions, Library of Congress, March ~~1953~~, Uncl.

COTTA, V.

"The forest, a decisive factor in the development of wild life management".
p. 178, (REVISTA PADURILOR, Vol. 69, No. 4, Apr. 1954, Bucuresi, Rumania)

SO: Monthly List of East European Accessions, (NEAL), LC, Vol. 3, No. 12,
Dec. 1954, Uncl.

COTTA, Y.

"Improved Type of Portable Trout Hatcheries." P. 281. (ANALELE ROMANO-SOVIETIC,
Vol. 69, No. 6, June, 1954, Bucaresti, Rumania.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 1, Jan. 1955 Uncl.

COTTA, V.

"Expedient means for piscicultural improvement of mountain river beds.
P. 513. (REVISTA PADURILOR, Vol. 69, no. 11, Nov. 1954. Bucuresti, Rumania.)

SO: Monthly List of East European Accessions, (EEAL), LC.
Vol. 4, No. 5, May 1955. Uncl.

GOTTA, V.

For a better utilization of game.

P. 790 (REVISTA PADURILOR) (Bucuresti, Rumania) Vol. 71, no. 12, Dec. 1957

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, no. 5. 1958

COTTA, V.

Hunting arms for the forest staff. p. 549

REVISTA PADURILOR. (Asociata Stiintifica a Inginerilor si Tehnicienilor
din Romania si Ministerul Agriculturii si Silviculturii) Bucuresti,
Rumania. Vol. 73, no. 9, Sept. 1958

Monthly list of East European Accessions (EEAI) LC Vol 8, No. 3, June 1959
Uncl.

FODOR, O., prof.; SURIANU, P., dr.; TRAGOR, S., dr.; COTUL, S., dr.;
SZANTAY, I., dr.; HOLAN, T., dr.; FARCASAN, M., dr.

Further clinical and biochemical verifications of the therapeutic
action of aspartic acid in chronic hepatitis. Med. intern. 15
no.4:463-472 Ap '63.

1. Lucrare efectuata in Clinica a III-a medicala, Cluj (director:
prof. O. Fodor).

(HEPATITIS) (ASPARTIC ACID)
(ASPARAGINE) (DIURESIS)
(BLOOD PROTEINS) (ALANINE AMINOTRANSFERASE)

SZANTAI, I.; HOLAN, T.; FODOR, A.; COCUL, S.

Some biochemical aspects of methionine metabolism in gastric and duodenal ulcers. *Studia cere biochimie* 7 no.3:417-423 '64.

I. Nuclear Medical Center and Medical Clinic III, Cluj. Submitted June 15, 1964.

FODOR, O., prof.; STANESCU, I., dr.; COSMA, V., dr.; ITU, I., dr.; FRATILA, I.,
dr.; MUNTEANU, P., dr.; SCHWARTZ, M., dr.; CIOFU, Gh., dr.; ILEA, V.,
dr.; COTUL, S., dr.; DUMITRASCU, D., dr.; BORSAN, I., laborant

Clinical and epidemiological research on the evolution toward
chronicity of acute epidemic hepatitis. Med. intern. (Eucur.)
16 no.12:1505-1510 D '64

1. Lucrare efectuata in Clinica a III-a medicala, Institutul
medico-farmaceutic, Cluj.

614714 C
RUMANIA/General Problems of Pathology - Tumors.

T-5

Abs Jour : Ref Zhur - Biol., No 3, 1958, 12819
Author : Pana, A.H., Dancila St., Buzuloiu, Gh, Sahleanu, V.,
Cotutiu, C.
Inst : Not given.
Title : A Case of the Adrenocortical Tumor Syndrome in an Infant.
Orig Pub : Studii si cercetari endocrinol. Acad. RFR, 1956, 7, No 2,
253-255
Abstract : This is a case of a three-year old female infant with the
syndrome of adrenocortical hyperfunction. Beginning at
3 months there was rapid weight gain, deposition of fat
on the trunk and face, hypertension, and hypertrichosis
with growth of hair on the forehead, cheeks, upper lip
and around the genitalia. A tumor the size of a fist was
detected in the left renal area. There was an increased

Card 1/2

RUMANIA/General Problems of Pathology - Tumors.

T-5

Abs Jour : Ref Zhur - Biol., No 3, 1958, 12819

excretion of 17-ketosteroids (3.2 mg. per 24 hours).
The patient died from cystopyelitis with dyspepsia
which complicated the main illness. The autopsy re-
vealed an adrenocortical tumor which was an atypical
cancer of the adrenal cortex with vast zones of reti-
culohistiocytic hyperplasia.

Card 2/2

BONA, C., dr.; COTUTIU, C., dr.

Chemical bases of stains in histochemistry. Microbiologia
(Bucur) 8 no.4:317-331 Il-Ag '63.

1. Lucrare efectuata in Institutul "Dr. I. Cantacuzino".
(STAINS AND STAINING) (CHEMISTRY)
(HISTOCHEMISTRY)

COUDKOVA, R.

MORIS, A.; JANDNICEK, M.; COUDEKOVA, R.

Epidemic of infantile dyspepsia in 1948. *Pediat. listy* 5 no.1:14-20
Ja-F '50. (GML 19:3)

1. Of the Children's Clinic in Olomouc.

GOUPAL, Josef

Amria following unilateral ascending pyelography in a sudden
adrenal insufficiency. Rozhl. chir. 38 no.10:716-718 D '59

1. Urologické oddelení nemocnice v Havlickove Brode, primar MUDr.
O. Koref.

(ADRENAL CORTEX, dis.) (ANURIA, etiol.)
(PYELOGRAPHY, compl.)

COUFAL, J.

Stresses on foundation joints in bridge piers caused by heat expansion and shrinkage. p. 449.

INZENYRSKE STAVBY. Praha, Czechoslovakia. Vol. 3, no. 11, Nov. 1955.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1960
Unci.

COUFAL, J.

Construction in Eastern Germany in a nutshell. p. 238.

(Stavivo. Vol. 35, no. 6, June 1957. Praha, Czechoslovakia)

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

COUFAL, J. TYBOR, J.

Weighing machines and devices for weighing building materials. p. 213.

(Stavivo. Vol. 35, no. 6, June 1957. Praha, Czechoslovakia)

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

COUFAL, J.

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and
Their Application, Part 1. - Checking and
Measuring Devices, Automatic Control.

H-3

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 47085

Author : Jiri Coufal

Inst :

Title : Automatic Measuring Hoppers for Loose Materials and
Dosimeters for Liquids.

Orig Pub : Chem. prumysl., 1957, 7, No 4, 195-197

Abstract : The state factory of balances at Prague put on the mar-
ket batch measuring hoppers and dosimeters for liquids
of the HNO₃ type working on the same principle. The
measured amount of the substances (by weight) is fixed
by a movable load on the balance beam. The dosimeter
is placed under the store, from which the measured subs-
tances flow into the measuring device. A system of

Card 1/2

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and
Their Application, Part 1. - Checking and
Measuring Devices, Automatic Control.

H-3

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 47085

electromagnets and mercury commutators open and close
the valves of the measuring device. The measured
batches can vary in the range from 20 to 800 kg of
loose material and from 20 to 200 kg of liquids.

Card 2/2

COUFAL, J.

Modern industrial weights and weighing equipment in the German Democratic Republic.

P. 543. (Strojirenstvi) Vol. 7, no. 7, July 1957, Praha, Czechoslovakia

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

Coufal, J.

Coufal, J. Automatic cemetr distributor VLC 800. p. 16.

Vol. 35, no. 1, Jan. 1957

STAVIVO

TECHNOLOGY

Czechoslovakia

So. East European Accessions, Vol. 6, May 1957
No. 5

COUFAL, J.

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and
Their Application - Ceramics, Glass, Binders,
Concrete.

H-13

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 8790

Author : Tybor J., Coufal J.

Inst : -

Title : Balances and Devices for Weighing Building Materials.

Orig Pub : Stavivo, 1957, 35, No 6, 243-245

Abstract : Description of various kinds of balances and batchers,
and of auxiliary units for remote control and recording.

Card 1/1

COUFAL, Josef

Anuria following unilateral ascending pyelography in a sudden adrenal insufficiency. Rozhl. chir. 38 no.10:716-718 0 '59.

1. Urologické oddelení nemocnice v Havlíčkově Brodě, primář
MUDr. D. Koref.

(ADRENAL CORTEX dis.)

(ANURIA etiol.)

(PYELOGRAPHY compl.)

VALENTA, Vaclav; VLACHOVSKY, Karel; VYSKOCIL, Vaclav; ZBYTOVSKY,
Adolf; KOTT, Josef; KDVARIK, Karel; MAZUR, Arne; COUPAL, Jaromir

Some remarks on the problem of nuclear reactor shielding.
Jaderna energie 9 no.7:233 JI '63.

1. Zavody V.I. Lenina, Pizen.

COUPAL, K., MUDr.; POSEJPAL, V.

The realization of the governmental decree on measures for the control of tuberculosis. Cesk. zdravot. 6 no.2:77-80 Mar 58.

1. Ministerstvo zdravotnictvi - tuberkulosni oddeleni.
(TUBERCULOSIS, PULMONARY, prev. & control
in Czech. (Cz))

COUFAL, K., MUDr.

Czechoslovakia

Third Tuberculosis Department of the Faculty Hospital
in Brno -- Brno (III. tuberkulózní oddělení
fakultní nemocnice v Brně -- Brno); Director:
K. COUFAL, MUDr.

Prague, Rozhledy v Tuberkulóse, No 1, 1963, pp 55-61

"Shortcomings of Preventive and Curative Care of
Tuberculosis in the Souther Moravian Region."

COUFAL, Karel, MUDr.

Current status & perspectives of tuberculosis control in Czechoslovakia.
Cesk. zdravot. 7 no.1:1-11 Jan 59.

1. Ministerstvo zdravotnictví.
(TUBERCULOSIS, prev. & control
in Czech. (Cz))

COUFAL, L.; STUCHLIK, F.

Cloudiness in Prague in the last 100 years. Meteorolog zpravy
15 no.5:128-135 0 '62.

COUFAL, Ladislav

Precision in measuring electric power. Energetika Cz 12
no.5:265-266 My '62.

1. Vychodoceske energeticke zavody, Hradec Kralove.

COUFAL, L.

Wind conditions at Churanov. Metecr spravy 16 no.2:41-45
Ap '63.

1. Hydrometeorologicky ustav.

COUFAL, Ladislav

Measurement errors of operational electrometers. Energetika Cz
13 no.5:256-257 My '63.

1. Východoceske energetické závody, Hradec Králové.