

GRECHUSHNIKOVA, L.S.

Intercentral relations in dominance and conditioned reflexes.  
Report No. 1. Trudy Inst. vys. nerv. deiat. Ser. fiziol.  
5:70-77 '60. (MIRA 13:10)

1. Iz Laboratorii obshchey fiziologii (zav. - V.S. Rusinov)  
instituta vysshey nervnoy deyatel'nosti.  
(ELECTRICITY--PHYSIOLOGICAL EFFECT) (CONDITIONED RESPONSE)  
(SOUND--PHYSIOLOGICAL EFFECT)

GRECHUSHNIKOVA, L.S.

Changes in the EEG in motor dominance produced by a rhythmically  
subsiding stimulus. Trudy Inst.vys.nerv.deiat. Ser.fiziol. 7:  
33-38 '62. (MIRA 16:2)  
(ELECTROENCEPHALOGRAPHY) (CONDITIONED RESPONSE)

GROSU, L.; GRECICA, Elena

Kininofornative and kininolytic esterase activity of the central nervous system before and after excitation of some afferent nerves. Fiziol. norm. pat. 11 no.3:279-285 My-Je '65.

1. Institutul de cercetari medicale al Filialei Academiei R.P.R., Cluj (director: acad. A. Moga), Sectia de fiziologie (sef de sectie: prof. I. Baciu).

*Irecianu, Al.*

9

MITROIU, P.  
SURNAME (in caps); Given Name

Country: Rumania

Academic Degree: Veterinarian

Affiliation: Institute of Pathology and Animal Hygiene (Institutul de Patologie si Igiena Animale).

Source: Bucharest, Probleme Zootehnice si Veterinara, No 6, 1961, pp 57-62.

Data: "Data on a Botulinic Intoxication With Silaged Fodder In Horses."

Co-authors:

UMGUREANU, G., Dr., Institute of Pathology and Animal Hygiene (Institutul de Patologie si Igiena Animale).

ORECIANU, Al., Veterinarian, Institute of Pathology and Animal Hygiene (Institutul de Patologie si Igiena Animale).

SIRBU, Z., Dr., Institute of Pathology and Animal Hygiene (Institutul de Patologie si Igiena Animale).

RIPRANU, M.D., Veterinarian, Food and Fodder Control Laboratory (Laboratorul de Control si Alimentelor si Furajelor).

RUMANIA

UNGUREANU, C., Dr, and GRECIANU, Al., Veterinarian, of the "Pasteur" Institute for Veterinary Research and Biological Products (Institutul de Cercetari Veterinare si Biopreparate "Pasteur").

"Investigations Concerning the Diagnostic Value of Degreased Pulorum Antigen."

Bucharest, Revista de Zootehnie si Medicina Veterinara, Vol 13, No 11, Nov 63, pp 56-63.

Abstract [Authors' English summary modified]: A study of the diagnostic value of pulorum antigen that was delipidized by treating the microbial corpus with chloroform and alcohol as compared to the antigen prepared by the standard method. The study was on 3301 chickens from two foci of typhopulorosis. The antigen being tested traced, by RHAR, 12.3 to 29.24 percent more infected chickens than the antigen prepared by washing with physiological water. Of 24 ovary samples from chickens with positive RHAR, 12 yielded salmonella stems, of which five gave a positive reaction only for the antigen delipidized with chloroform and alcohol and 2 only with the antigen delipidized with chloroform. Birds with positive RHAR for all antigens reacted positively to 1/160 to 1/640 RSAL, those 1/1 positive only to the delipidized antigens to 1/80 RSAL. --Includes 3 tables and 14 references, of which 4 German, 8 Rumanian.

GRECIUC, T. ing.

Fifth Session of Technical and Scientific Reports of the "Emailul  
Ros" Plant, Medias. Industria usoara 12 no.1:49 Ja '65.

RADVANYI, Laszlo; GRECK, Zoltan; VARJU, Ferenc; GYURMAN, Jeno

Effect of the properties of a line in technical telecommunication  
equipment; also, remarks by Z.Greck, F.Varju, and J.Gyurman.  
Muszaki kozl MTA 26 no.1/4:149 '60. (EEAI 9:10)

1. Belolanisz Hivadastechnikai Gyar (for Radvanyi)  
(Telecommunication)

GRĘCKI, W.

"A New Method of Producing Fermentation Agents." p.271  
(PRZEMYSŁ ROLNY I SPOŻYWCZY Vol. 7, no. 8, August 1953 Warszawa, Poland)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.



GASCOV, D.

Study on optimum parameters of intermediate superheating of steam in thermoelectric plants with high parameters. p.3

ENERGETICA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania si Ministerul Energiei Electrice si Industrii Electrotehnice)  
Bucuresti, Rumania Vol. 7, no. 1 Jan. 1959.

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

Uncl.

GRECOV, D.

On the choice of optimum steam conditions of the thermal cycle in  
nuclear power stations. Rev elektrotehn energet 5 no.2:409-435  
'60. (EEAI 10:5)

(Atomic energy) (Steam)

GREGOV, D.

Determining final temperature of the preheated water in modern  
thermoelectric power plants. Studii cerc energet 11 no.2:261-281 '61.

S/262/62/000/015;002/011  
1007/1207

211200

AUTHORS: Grecoy, D., Haiduc, C. and Soci, A.

TITLE: Determination of coolant optimum-temperature at the inlet into the nuclear power reactor

PERIODICAL: Referativnyy zhurnal, ot del'nyy vypusk. 42. Silovyye ustanovki, no. 15, 1962, 14, abstract 42.15.60 (Studii și cercetări energ. Acad. RPR, v. 11, no. 3, 1961, 455-467 [Rumanian])

TEXT: The dual-cycle system in which the primary coolant ensures heat removal, while the secondary coolant (water) is intended to carry the thermodynamic cycle of power generation, is widely used in nuclear power plants. Proceeding from theoretical considerations, the authors study the influence of the temperature  $t_1$  of different primary coolants at the inlet into the nuclear reactor circuit, on the net efficiency of the power plant. As coolants CO<sub>2</sub>, helium, polyphenil or water may be used. A formula is suggested for determining the optimum value of  $t_1$ . There are 5 figures and 4 references.

[Abstracter's note: Complete translation.]

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Card 1/1

~~GMIA~~, Victor V.; ~~GRECOV~~, Damian ~~Q~~

Switching to gaseous fuel for metallurgical furnaces. Studii  
cero. energet 11 no.4:63 9-352 '61.

S/283/63/000/002/001/001  
A059/A126

AUTHORS: Grecov, D., Haiduc, C.

TITLE: The calculation of the heating temperature of feeding water in double-circuit systems at nuclear electric power stations

PERIODICAL: Referativnyy zhurnal, Yadernyye reaktory, no. 2, 1963, 10, abstract 2.50.35 (Studii și cercetari energ. Acad. RPR, 1961, v. 11, no. 4, 627 - 637, Roumanian; summaries in Russian and French)

TEXT: Formulas are given for calculating the optimum temperature to which feed water in double-circuit systems should be heated for nuclear reactors with a thermal efficiency of 400 Mw. The application of the formulas permits of avoiding complex calculations and to find the region of the optimum heating temperature with sufficient accuracy by way of determining the influence of various factors of the thermal system on the parameter examined. There are 2 figures and 5 references.

[Abstracter's note: Complete translation]

Card 1/1

GHIA, V.V.; GRECOV, D.; SPAHIU, I.; BIENER, M.

An experimental installation for studying the combustion and radiation of the flames of the liquid and gaseous combustibles. Studii cerc energet B 12 no.2:255-260 '62.

L 31730-66 EWP(t)/ETI IJP(c) JD

ACC NR: AP6021195

SOURCE CODE: RU/0017/65/000/008/0410/0411

AUTHOR: Greco, D. (Engineer; Candidate in technical sciences); Iordache, I.  
(Engineer)

49  
B

ORG: Institute of Power, Academy of the Socialist Republic of Rumania (Institutul de Energetica, al Academiei R.S. Romania)

TITLE: Efficiency of the self-carburization of natural gas flames in Siemens-Martin furnaces

SOURCE: Metalurgia, no. 8, 1965, 410-414

TOPIC TAGS: metallurgic furnace, carburization, methane

ABSTRACT: By studying the degree of blackness of self-carburized methane gas flames, the authors found that self-carburization of methane gas in open-hearth furnaces becomes effective starting at a preheating temperature of 700 to 800 degrees centigrade, and increases in efficiency with higher temperatures and larger radiant layers. Orig. art. has: 5 figures and 12 formulas. [JPRS]

SUB CODE: 13 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 001  
SOV REF: 004

Card 1/1

UDC: 669.183.212.218



GRIGOVA, Slayka, MUDr

Prevention of disorders of speech and voice in children at health  
center level. Cesk. otolar. 3 no.3:150-152 Aug 54.

(SPEECH DISORDERS, in infant and child  
prev. & ther.)

(VOICE  
disord. in child., prev. & ther.)

GRECSIN, I.P. [Grechin, I.P.]

Oxygen shortage in soils and its effect on the properties of soils.  
Agrokem talajtan 12 no.3:451-456 0 '63.

1. Kafedra pochvovedeniya Moskovskoy sel'skokhozyaystvennoy  
Akademii im. K.A.Timiryazeva, SSSR, Moskva.

GRECU, A.

We report with pride. p. 2. CONSTRUCTORUL. (Ministerul Constructiilor si Industriei Materialelor de Constructii si Uniunea Sindicatelor de Salariatii din Intreprinderile de Constructii) Bucuresti. Vol. 7, no. 292, Aug. 1955.

So. East European Accessions List Vol. 5, No. 9 September, 1956

GRECU, D.

Distr: hE2c

Order-disorder phenomena in binary alloys. A. Corciovel and D. Grecu (*Inst. Fiz. At. Bucharest, Romania*). *Acad. rep. populare Romine, Inst. fiz. at.* 33, 23 pp. (1950) (in English).—Calcs. are given for a 3-dimensional face-

centered-cubic and for a body-centered-cubic alloy AB. Long- and short-range order parameters are introduced for particular sublattices of the alloy. In the series expansion of the partition function when 4 terms are considered instead of 3, it is found that partial order for equil. in the 2 sublattices is different. The results obtained lie between those of the quasi-chem. method of Fowler and Guggenheim (*C.A.* 34, 3140) and the method of Kirkwood (*C.A.* 32, 2400).  
Samuel A. Bradford

1/10/80

1/1

COA

JAT

GRECU, D.

Distr: 4E2c(m)

Energy bands in partially disordered binary alloys. A. Corciovei and D. Grecu, *Rev. phys., Acad. rep. populare Roumaine* 5, 187-97(1960)(in English).—The dependence of the forbidden energy bands on the long-range order parameter  $R$ , of a centered cubic alloy with 2 components in equal proportions, was studied. Starting from a perfectly ordered alloy, for which the energy bands are assumed to be known, the perturbation produced by the disorder, and the energy corrections were computed by the 1st-order approximation of the perturbation method. By assuming that when the order is complete, the lattice is divided into 2 simple cubic sublattices: the 1st Brillouin zone is the cube detd. by the planes normal on the middle of the smallest reciprocal vectors and the 2nd Brillouin zone will be placed between the dodecahedron obtained by tracing the planes normal on the middle of the vectors detg. the reciprocal lattice ( $G_n = 2\pi(n_1b_1 + n_2b_2 + n_3b_3)$ ) and the cube forming the 1st Brillouin zone. When the alloy is perfectly disordered, it is shown that the Brillouin surfaces normal to the middle of the  $G_n$  vectors, with  $n (= n_1 + n_2 + n_3)$  odd, cease to be energy discontinuity surfaces; with  $n$  even, the zones remain discontinuity surfaces. It is shown that the magnitude of the forbidden band decreases with  $R$  for  $n$  odd (and vanishes completely when complete disorder is reached) and is independent of  $R$  for  $n$  even. The behavior of the energy bands in the neighborhood of the Brillouin surfaces was studied for  $R$  comprised between 1 (perfect order) and 0 (complete disorder). By computing the position of the level perturbed by the disorder, with respect to the position of the energetic level in the approximation of the free electrons, it is seen that the energy of a level, resp., within or outside the Brillouin surface, is greater or smaller than in the case of the free electrons. Plotting the energy dependence as a function of the magnitude of the propagation vector, normal to the Brillouin surfaces corresponding to vectors for which  $n$  is odd, the slope of the curve becomes zero on the surface.

L. Wilputte-Steinert

4  
MJC(JD)

CORCIOVEI, A.; GREGU, D.

Rhermal wedges produced in metals by irradiation. Studii cerc fiz 12  
no.2:305-323 '61.

1. Institutul de fizica atomica Bucuresti.

(Metals) (Radiation)

CORCIOVEI, A.; GRECU, D.

The effect of long range order on energy bands in binary alloys.  
Acta physica Pol 20 no.3:197-211 '61.

1. Institute for Atomic Physics, Bucharest.

KORCHOVEY, A. [Corciovei, A.]; GIKA, G.; GREKU, D. [Greco, D.]

Distribution of displaced atoms in a solid due to primary atoms  
generated by radiation. Fiz.tver.tela 4 no.10:2777-2790 0 '62.  
(MIRA 15:12)

1. Institut atomoy fiziki, Bukharest.  
(Atoms) (Radiation)



GRECU, D.

Spatial distribution of the defects produced by irradiation upon a solid, as computed in the approximation of rigid spheres. Studii cerc fiz 13 no.4:615-630 '62.

1. Institutul de fizica atomica, Bucuresti.

GRECU, D.

Plasma in metal theory. Studii cerc fiz 14 no.5:671-721 '63.

1. Institutul de fizica atomica, Bucuresti.

CORCIOVEI, A.; GHIKA, G.; GRECU, D.

Distribution function of atoms produced by irradiation displaced in a solid. Studii cerc fiz 15 no. 3:373-374 '64.

1. Institute of Atomic Physics, Bucharest.

CORCIOVEI, A.; GHIKA, G.; GRECU, D.

Distribution of atoms displaced in a solid body, produced by a primary atom, generated by irradiation. Studii cerc fiz 15 no. 3:374-375 '64.

1. Institute of Atomic Physics, Bucharest.

GREGU, Eftimie, student (Buourestu)

The new in science and technology. Gaz mat B 14:538-539 9 S '63.

GRECU, Eftimie I.

On the local Euclidean  $V_3$  spaces with constant, affine connection.  
Studii cerc mat 14 no.4:669-687 '63.

GRECU, Eftimie (Bucuresti)

Determination of a trigonometric identity. Gaz mat B 15  
no.7:300-301 JI '64.

HERLING, C. (Bucuresti); UDRISTE, Constantin; PREDESCU Stefan (Slatina); Pirsan, Liviu (Bucuresti); BENDAN, C.; ION SCU-TIU, C.; IONESCU, Florica H. (Bucuresti); FILIPOIU, Al. (Buzau); GEORGESCU, George (Bucuresti); SANDULACHE, C., prof. (Negresti, Iasi); MORTUN, M.; SCHEFFEL, Gabriela (Cimpulung); TEODORESCU, I. prof. (Galati); SIGLOVAN, I. (Petrosani); AGU, Dumitru (Cluj); GRECU, Eftimie (Bucuresti); PAUN, N., prof. (Rimnicu Vilcea); GHEORGHIU, Adrian (Bucuresti); DUMITREASA, P., prof. (Cluj); GEORGESCU, Corneliu (Craiova); BOBANCU, V. (Bucuresti); BANESCU, Grigore, prof. (Cimplna); CPREA, Gh. (Filiasi); POPESCU, Ioan M. Bucuresti); Serb, Ion (Lugoj)

Proposed problems. Gaz mat B 16 no.4:172-177 Ap '65.



DUMA, D.; KYMPYANU, Ye.[Cimpeanu, E.]; POPOVICH, L.[Popovici, L.];  
PAVEL, O.[Pavel, O.]; OPINKARU, A.[Opincaru, A.]; GREKU, F.[Greacu, F.]

Heparin treatment in acute disorder of cerebral blood circulation  
caused by thromboembolism. Nauch. trudy Inst. nevr. AMN SSSR  
no.1:345-350 '60. (MIRA 15:7)

1. Klinika nervnykh bolezney Mediko-farmatsevticheskogo institut,  
Kluzh.

(HEPARIN) · (CEREBROVASCULAR DISEASE)  
(EMBOLISM)

GHERMAN, Gr., dr.; PAPILIAN, V.V., dr.; SCHUSTER, N., dr.; GRECU, F., chimist

Liver changes caused by alcohol. Med. int., Bucur. 12 no.2:257-268 F '60.

1. Lucrare efectuata in Clinica a II-a medicala (prof. I. Goia);  
Institutul de anatomie patologica si clinica psihiatrica, Cluj.  
(LIVER DISEASES, etiology)  
(ALCDHOLISM, complications)

RUMANIA / Analytical Chemistry. Analysis of Inorganic Substances. E-2

Abs Jour : Ref Zhur - Khim., No 15, 1958, No. 49985

Author : Grecu, I.; Bucerzan, I.

Inst : Not given

Title : New Colorimetric Method of Determination of Sodium

Orig. Pub : Farmacia (Romin.), 1957, 6, No. 6, 528-533

Abstract : An indirect method of determination of Na is described. That method is based on the separation of  $\text{Na}^+$  in the form of  $\text{Na}[\text{Sb}(\text{OH})_6]$ , on the dissolution of the precipitate in HCl, on the treatment of the solution obtained with thiourea and on colorimetry of the greenish-yellow color developing on that occasion (RZhKhim, 1957, 1228). A sample of 0.1-0.2 g of the substance to be analyzed is dissolved in water, cooled to  $0^\circ$  and an excess of a solution of  $\text{K}[\text{Sb}(\text{OH})_6]$

Card 1/2

GRECU, I.

Cultivated Plants. Fruits. Berries. Nuts. Tea.

ISS. JOUR: Bot Anst Biologiya, No. 5 1958, No. 20503

AUTHOR : Grech, I.  
INST. : Experimental Station of Viticulture at Odobesti.  
TITLE : The Effect of Green Manure on the Growth and Productivity of Grapes at Odobesti.

ORIG. PUB.: Gradina via si livada, 1958, 7, No.3, 10-15

ABSTRACT : It has been shown by studies made at the Experimental Station of Viticulture at Odobesti (1954-1956) that the plants used for green manure (vetch, peas, lupine, planted in the early spring for the vineyards and dug into the ground to a depth of 20-25 cm at the beginning of June, 10-15 days before the grape vines blossom) have helped to increase the growth of the grape vines (by 29.12 and 10%, respectively in comparison with the con-

CONT: 1/2

RUMANIA/Analytical Chemistry - Analysis of Inorganic Substances. E-2

Abs Jour : Ref Zhur - Khimiya, No 2, 1959, 4295

Author : Greccu, I., Handelsmann, V., Bucurzan, I.

Inst : -

Title : A Novel Rapid Method for Gravimetric Determination of Copper.

Orig Pub : Farmacia (Rumania), 6, No 3, 233-236 (1958) (in Rumanian with summaries in German, English, French, and Russian)

Abstract : Sodium nitroprusside (I) is used for the determination of Cu(II). I and Cu<sub>2</sub> in neutral or weakly acid medium form a light-green precipitate having the composition  $Cu_2Fe(CN)_5^-NO_2 \cdot 2H_2O$  which is not readily soluble in water and in acids. The sample to be analyzed (0.01-0.08 gm Cu) is dissolved in 10-20 ml water, 10 ml of a 10%  $NH_4NO_3$  solution are added and the resulting mixture is treated with 3% I solution with constant stirring until a yellow-orange color appears. The solution with the precipitate which is

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- 11 -

COUNTRY : Rumania H-17  
CATEGORY :  
ABS. JOUR. : AZKhia., No. 21 1959, No. 75794  
AUTHOR : Greou, I., Handelsmann, V., and Bucerzan, I.  
TITLE : Not given  
TITLE : A New Rapid Gravimetric Method for the Quantitative Determination of Pyrimidine in Preparations or in Pharmaceutic Forms  
ORIG. PUB. : Farmacia (RPR), 6, No 6, 499-503 (1958)  
ABSTRACT : A new rapid gravimetric method is proposed for the quantitative determination of pyrimidine in preparations, tablets, or in mixtures with veronal in 'Veropirin' tablets. The method is based on the precipitation of pyrimidine in hot HCl with a 10% aqueous solution of silicotungstic acid. The proposed method is simple and accurate.  
From authors' summary

CARD: 1/1

GREGU, I. Eftimie, student (Bucuresti)

News in science and technique. Gaz mat B 14 no.3:155-157 Mr '63.

ROMANIA

G. ECU, I. I. CUREA, Elena.

Inorganic Chemistry Laboratory, Institute of Medicine and  
Pharmacy, Cluj (Laboratorul de chimie anorganica, I.M.P.,  
Cluj) - (for all)

Bucharest, Farmacia, No 1, Jan 1964, pp 7-12

"Complex Compounds of Isonicotinic Acid Hydrazide (X).  
Mercury Tetrathiocyanates of Metallic Isonicotinyl-  
hydrazine Compounds."



GREGU, I. & NEAMTU, Maria Pitis.

Complex compounds of hydrazide of isonicotinic acid (IX).  
Farm Rum 11 no.11:655-661 N°63.

GRECU, Ioan; NEAMTU, Maria

Complex combinations of the hydrazide of isonicotinic acid.  
Pt. 12. Rev chimie Roum 9 no.12:879-886 D '64.

1. Laboratory of Mineral Chemistry, Faculty of Pharmacy, 4-6  
Pasteur Street, Cluj. Submitted July 10, 1964.

GRECU, Ioan; NEAMTU, Maria

Complex combinations of the hydrazide of isonicotinic acid.  
Pt.12. Studii cerc chim 13 no.12:923-930 D '64.

1. Faculty of Pharmacy, Cluj, Laboratory of Inorganic Chemistry,  
Cluj, 4-6 Pasteur Street.

L 30135-66

ACC NR: AP6020357

SOURCE CODE: RU/0003/65/016/008/0389/0390

AUTHOR: Greco, I.; Curea, E.

ORG: Department of Pharmacy, Laboratory of Inorganic Chemistry, Cluj (Facultatea de farmacie, Laboratorul de chimie anorganica)

TITLE: Contributions to the study of dihydrazinophthalazine sulphate determination

SOURCE: Revista de chimie, v. 16, no. 8, 1965, 389-390

TOPIC TAGS: sulfate, hydrazine derivative, photometric analysis, silver compound

ABSTRACT: The authors describe two simple and rapid methods for the determination of Hipopresol (the Rumanian form of the drug). The volumetric method is based on the reaction of an excess of silver nitrate with the substance to be tested, followed by back titration of the silver nitrate solution with a solution of  $\text{NH}_4\text{SCN}$  in the presence of iron alauun and ammonia. The photometric method is based on the formation of a yellow coloring formed in acid medium by the reaction of dihydrazinophthalazine sulphate with a solution of ammonium molybdate. Orig. art. has: 4 figures and 2 tables. [JPRS]

SUB CODE: 07 / SUBM DATE: none / OTH REF: 006

Card 1/1 CC

GRECU, T.

Current trends in the construction of steam turbines. p. 1065.

METALURGIA SI CONSTRUCTIA DE MASINI. (Ministerul Industriei Metalurgice si Constructiilor de Masini si Asociatia Stiintifica a Inginerilor si Tehnicienilor din Romania) Bucuresti, Rumania. Vol. 5, no. 12, Dec. 1958.

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

Uncl.

GRECU, T.; ASCHENDORF, A.

Locomotives with gas turbines. p. 268.

REVISTA CAILOR FERATE. (Caille Ferate Romine) Bucuresti, Rumania.  
Vol. 7, no. 7, July 1959.

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

Uncl.

GRECU, T., conf. ing.; ASCHENDORF, A., asist. ing.

Utilization of turbines with worsened vacuum for distance heating.  
Energetica Rum 9 no.6:221-228 Je '61.

COLT, Gheorghe, ing. (Moscova); GRECU, Titus, ing.

Approximate calculation of steam consumption and electric power production in a district heating system. Energetica Rum 10 no. 12:512-517 D '62.

1. Conferentiar la Institutul politehnic Bucuresti si inginer specialist la Institutul de studii si proiectari energetice (for Grecu).



MERCEA, V.; FODOR, E.; GRECU, V.

Separation in a column with steam distillation depending  
on the medium concentration of the mixture. Studia Univ  
B-B S. Math-Phys 7 no.1:137-147 '62.

GRECU, V.; DEUTSCH, R.V.; NISTOR, S.

Contributions to the study of the crystalline field by the  
equivalent operator method. Studia Univ B-B S. Math-Phys 10  
no.1:131-140 '65.

GRECZI, E.

HUNGARY/Diseases in Farm Animals. Diseases Caused by Viruses and Rickettsiae. R

Abs Jour: Ref Zhur-Biol., No 5, 1958, 21602.

Author : Kojnok, Janos; Greczi, Emilia  
Inst :  
Title : Use of Antiserum for Protecting Suckling Piglets  
Against Aueski Disease on Infected Farms.

Orig Pub: Magyar allatorv. lapja, 1957, 12, No 4-5, 102-104.

Abstract: Adult pigs, immune to Aueski disease (AD) and to swine pest were hyperimmunized with the AD virus. The hyper-immunized serum was administered to 943 suckling piglets in the age group of 2-6 weeks; 752 piglets were used as control animals. Sixty-three (6.7 percent) of the inoculated piglets died from AD, and 229 (20.4 percent) of the control animals perished.

Card : 1/1

PALYI, I.; GREGZI, E.

Evaluation of the effect of chemotherapeutic agents on tissue cultures. Neoplasma 8 no.2:195-201 '61.

1. Oncopathological Research Institute, Budapest, Hungary.  
(ANTINEOPLASTIC AGENTS pharmacol)

FARADI, László, dr.; GREGZI, Melinda, dr.

Diagnosis of a case of lymphosarcomatosis with metastasis to heart.  
Orv. hetil. 95 no.52:1437-1439 26 Dec 54.

1. Magyar Maphadsereg Egészségügyi Szolgálat.  
(HEART, neoplasms  
lymphosarcoma, metastatic, diag.)  
(LYMPHOSARCOMA  
mediastinum, metastasis to heart, diag.)

GRECZNER, W.

FAST, Jakub; GRECZNER, Wieslaw

Fracture of the odontoid process of the axis without displacement.  
Chir. narz. ruchu 13 no.2:163-166 1958.

1. Z III Kliniki Chirurgicznej A. M. we Wroclawiu Kierownik: doc. dr  
Z. Jezioro. Wroclaw, ul. Piastowska 47 m. 4.

(ATLAS AND AXIS, fractures

axis odontoid process fract. without neurol. signs, ther. (Pol))

KOMAROV, S., podpułkownik, bohater Związku Radzieckiego; GRECZYN, W., kapitan,  
inz.

Elimination of premises causing aeronautical accidents. Wojsk  
przeł 13 no.10:22-26 0 '60.





GREDESKUL, A. B.

"Investigation of the Upgrade and Downgrade  
Motions of an Automobile."

Thesis for degree of Cand. Technical Sci. Sub 11 May 50,  
Moscow Highway Inst. imeni V. M. Molotov

Summary 71, 4 Sep. 52, Dissertations Presented  
for Degrees in Science and Engineering in Moscow  
in 1950. From Vechernyaya Moskva. Jan-Dec 1950.

ZAKIN, Ya.Kh., kandidat tekhnicheskikh nauk; GRODESKUL, A.B., kandidat tekhnicheskikh nauk, retsenzent; BRONSHTEYN, Ya.I., kandidat tekhnicheskikh nauk, redaktor; FETISOV, P.I., inzhener, redaktor; POL'SKAYA, R.G., tekhnicheskiy redaktor.

[Trailer trains] Avtomobil'nye poezda. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1955. 214 p. (Razvitie konstruktsii avtomobilei, no. 12). (MIRA 8:10)  
(Automobiles--Trailers)

AUTHOR: Gredeskul, A.B., Korotkov, L.I.

113-58-7-5/25

TITLE: Testing of Pintle Bushings of the Steering Knuckle with Respect to Wear Resistance (Ispytaniya vtulok shkvornya povorotnoy tsapfy na iznosostoykost')

PERIODICAL: Avtomobil'naya promyshlennost', 1958, Nr 7, pp 12-13 (USSR)

ABSTRACT: Automobile parts made of kapron were tested on a stand especially designed for GAZ-51 parts. Large vertical loads were placed on the steering knuckle. The rotation of the bushings with respect to the pintle was kept at the most used rotation angle of the wheels. The pintle bushings were exposed to stresses effected by braking and lateral effects which were of lesser interest. The static load on each frontwheel of the GAZ-51 car is 650 kg in an empty state and 800 kg when loaded. In motion, the load effect is distributed along longitudinal and lateral planes. The experimental stresses were changed from a minimum 300 to 400 kg to a maximum 1,000 to 1,200 kg. When this article was written, the steering knuckle pintle bushings had been exposed to 70 to 80 hours of testing, which is equal to 30,000 to 35,000 km covered by a car. The bushings had to be exchanged in only one case. The test is being continued.

Card 1/2

There are 2 diagrams, 1 graph and 1 Soviet reference.

113-58-7-5/25

Testing of Pintle Bushings of the Steering Knuckle with Respect to Wear Resistance

ASSOCIATION: Khar'kovskiy avtodorozhnyy institut (The Khar'kov Highway Institute)

1. Bushings--Test results    2. Bushings--Stresses    3. Automobiles  
--Production

Card 2/2

42(2)

SOV/113-59-3-9/17

AUTHOR: Gredeskul, A.B., Candidate of Technical Sciences

TITLE: Differential Gears With Cone and Disk Blocking  
Couplings (Shesterenchatyye differen'sialy s konus-  
nymi i diskovymi blokiryushchimi muftami)

PERIODICAL: Avtomobil'naya promyshlennost', 1959, Nr 3,  
pp 26 - 30 (USSR)

ABSTRACT: The author points out the disadvantages of conventional  
differentials under certain operating conditions. He  
bases his article on American publications. and de-  
scribes a differential gear with increased friction  
developed by Spicer in 1956, used on Packard-Stude-  
baker sedans and light trucks (Figure 1). Then he  
presents mathematical formulas for calculating such  
a differential. He cites A.S. Litvinov, who estab-  
lished a blocking factor of 1.15-1.20 for convent-  
ional differential gears and a factor of approximate-  
ly 3 for cam differentials. According to his in-

Card 1/2

SOV/113-59-3-9/17

Differential Gears With Cone and Disk Blocking Couplings

vestigations, he finds that the differential shown by Figure 1 is subjected to increased wear and that for this reason a differential with disk blocking couplings was designed as shown by Figure 5. There are 4 diagrams, 2 graphs and 4 Soviet references.

ASSOCIATION: Khar'kovskiy avtomobil'no-dorozhnyy institut (Khar'kov Automobile and Highway Institute)

Card 2/2

GREDESKUL, A.B., kand. tekhn. nauk

Manufacturing parts of capron. Mashinostroitel' no.11:47-48 N '59.

(MIRA 13:3)

(Nylon) (Plastics--Molding)

GREDESKUL, Andrey Borisovich [Hredeskul, A.B.]; BORZAKOVSKIY, Y. I.  
[Borzakovs'kyi, I.E.I.], kand. tekhn. nauk, otv. red.;  
STAROSTENKO, T.M., red.; MATVIICHUK, O.A., tekhn. red.

[New Soviet-made motor vehicles] Novi radians'ki avtomobili.  
Kyiv, 1961. 51 p. (Tovarystvo dlia poshyrennia politychnykh i  
naukovykh znan' Ukrain's'koi RSR. Ser.7, no.11)  
(MIRA 15:4)

(Motor vehicles)



S/653/61/000/000/036/051  
I007/I207

AUTHORS: Gredeskul, A.B., Korotkov, L.I., Lagunov, L.Yà.,  
and Sukhorukov, A.R.

TITLE: Design and operation of caprone automotive  
components

SOURCE: Plastmassy v mashinostroyenii i priborostroyenii.  
Pervaya resp. nauch.-tckh. konfer. po voпр. prim.  
plastmass v mashinostr. i priborostr., Kiev, 1959.  
Kiev, Gostekhzidat, 1961, 395-408

TEXT: This is a report of investigations carried out by a  
series of scientific research institutes in co-operation with indus-  
try in order to obtain optimum data for the design and operation of  
automotive components. Results of laboratory and field tests are  
presented and the performance of a series of caprone elements is  
amply described. In the conclusion, suggestions for suitable design  
and operation are made. There are 4 figures.

Card 1/1

GREDESKUL, A.B., kand.tekhn.nauk, dotsent

Effect of wheel blocking on the braking of a motor vehicle.  
Inv.vys.ucheb.zav.; mashinostr. no.8:156-167 '62. (MIRA 15:12)

1. Khar'kovskiy avtomobil'no-dorozhnyy institut.  
(Motor vehicles--Brakes)

GREDESKUL, A.B., kand. tekhn. nauk

Selecting the correlation of braking forces on axles of a tractor and semitrailer. Avt. prom. 29 no.8:18-21 Ag '63.  
(MIRA 16:11)

1. Khar'kovskiy avtomobil'no-dorozhnyy institut.

GREBESKIL, A.B., kand. techn. nauk, dotsent

Braking dynamics of multiple-wheel motor vehicles. Izv. vys.  
ucheb. zav.; mashinost. no.11-122-129 '63.

(MIRA 17:10)

1. Khar'kovskiy avtomobil'no-dorozhnyy institut.

GREDESKUL, A.B., kand.tekhn.nauk; TERLETSKIY, V.G.; CHERNOVOLOT, K.D.,  
kand.tekhn.nauk

"Theory of motor vehicles" by N.A.Iakovlev, N.V.Divakov.  
Reviewed by A.B.Gredeskul, V.G.Terletskii, K.D.Chernovolot.  
Avt.prom. 29 no.12:44-45 D '63. (MIRA 17:4)

1. Khar'kovskiy avtomobil'no-dorozhnyy institut i Khar'kovskiy  
institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva  
(for Gredeskul, Terletskiy, Chernovolot).

GREDESKUL, A.B., kand. tekhn. nauk; SHAKHBAZOV, O.K.

Investigating lateral stability of an automobile during the  
braking with power transmission. Avt. prom. 30 no.7:13-16  
J1 '64. (MIRA 17:9)

1. Khar'kovskiy avtomobil'no-dorozhnyy institut.

GREBENIN, A.B., kand. tekhn. nauk; BULGAKOV, N.A.

Experimental investigation of the locking of a braked wheel.  
Avt. prom. 31 no.3:21-25 Mr '65. (MIRA 18:7)

1. Khar'kovskiy avtomobil'no-dorozhnyy institut.

L 4414-66 EWT(1)/EPA(s)-2/EEC(k)-2/T IJP(c) GG

ACCESSION NR: AP5025391

UR/0181/65/007/010/3090/3098

AUTHOR: Bass, F. G.; Gredeskul, S. A.; Kaganov, M. I.

TITLE: Theoretical basis for the use of a beam of charged particles to amplify sound in piezoelectric crystals

SOURCE: Fizika tverdogo tela, v. 7, no. 10, 1965, 3090-3098

TOPIC TAGS: piezoelectric crystal, ultrasonic amplification, dispersion equation

ABSTRACT: The authors study Cerenkov sound radiation from a uniformly charged filament moving in a slot in a piezoelectric crystal. The mechanism of ultrasonic amplification by the crystal is explained and formulas are derived for the coefficient of ultrasonic amplification by an unfocused plasma beam moving in a slot in a piezoelectric crystal and in a flat waveguide filled with a piezoelectric medium. Elimination of the requirement for a focused beam simplifies the experimental conditions and brings about some interesting effects. Crystals in the  $T_d$  class are examined on the assumption that they are isotropic with respect to elastic properties. The formulas derived may be used for calculating radiation from a cluster of charged particles if the dimensions of the cluster are considerably less than a wavelength. The

Card 1/2



L 4414-66

ACCESSION NR: AP5025391

6  
dispersion equation for a beam of charged particles moving in a slot in a piezoelectric crystal depends on the dielectric constant of the crystal due to the fact that the dielectric plasma wave is a surface wave. The energy of the wave is concentrated close to the plasma-crystal interface, and therefore the dispersion equation will always depend on the crystal characteristics. The amplified sound wave is propagated in a direction opposite to the motion of the beam. Orig. art. has: 5 figures, 37 formulas. [14]

44.55  
ASSOCIATION: Institut radiofiziki i elektroniki AN UkrSSR, Khar'kov (Institute of Radio Engineering and Electronics, AN UkrSSR); Khar'kovskiy gosudarstvennyy universitet (Khar'kov State University); Fiziko-tehnicheskii institut AN UkrSSR, Khar'kov (Physicotechnical Institute, AN UkrSSR)

SUBMITTED: 26Mar65

44.55  
ENCL: 00

SUB CODE: 55, G-P

NO REF SOV: 002

OTHER: 001

ATD PRESS: 4126

Card 2/2 

L 16342-65 EWT(1)/EPA(s)-2/TEC(t)/EEC(b)-2 Pt-10/P1-4 IJP(c)/  
RAEM(c)/ESD(t)/ESD(gs)/SSD/AFWL/ASD(a)-5/AS(mp)-2/AFMD(c)/AFETR/RAEM(a)  
GG

ACCESSION NR: AP5000654

S/0181/64/006/012/3577/3584

AUTHOR: Bass, F. G.; Gredeskul, S. A.; Kaganov, M. I.

TITLE: Interaction between charged particles and a piezodielectric <sup>2</sup> B

SOURCE: Fizika tverdogo tela, v. 6, no. 12, 1964, 3577-3584

TOPIC TAGS: piezoelectric crystal, dielectric crystal, charged particle interaction, Cerenkov radiation, acoustic radiation

ABSTRACT: The authors consider the passage of a single particle and of a compensated beam through a piezodielectric, which for simplicity is assumed to be isotropic in its elastic and electric properties. From the coupled system of equations of elasticity (without account of viscosity) and electrostatics they calculate the acoustic Cerenkov radiation produced by a particle traveling along the axis of a piezodielectric, and the coherent interaction of the compensated beam of charged particles with a piezodielectric. Since direct passage of the particles through the piezodielectric is not realizable, the

Card 1/2

L 16342-65

ACCESSION NR: AP5000654

3

authors consider the minimum channel that can be cut through the dielectric and for which the resultant equations are still valid. It is also indicated in a postscript that the results agree with a recent article by Tsu (J. Appl. Phys. v. 35, 125, 1964).  
Orig. art. has: 4 figures and 21 formulas.

ASSOCIATION: Institut radiofiziki i elektroniki AN UkrSSR (Institute of Radiophysics and Electronics AN UkrSSR); Khar'kovskiy gosudarstvennyy universitet (Khar'kov State University); Fiziko-tehnicheskiy institut AN UkrSSR, Khar'kov (Physicotechnical Institute AN UkrSSR)

SUBMITTED: 28May64

ENCL: 00

SUB CODE: SS, NP

NR REF SOV: 006

OTHER: 003

Card, 2/2

GREBINA, G.G.

Diagnostic errors in rheumatic fever in children. Mirav. Kazakh.  
23 no.4:49-52 '63. (MIRA 17:5)

1. Iz Kazakhskogo nauchno-issledovatel'skogo instituta okhrany  
materinstva i detstva (direktor -- zasluzhennyy vrach KazSSR A.B.  
Bisenova).

GREDITOR, M.A., inzh.; YERMOLAYEV, V.M., inzh.

Automatic computer of the amount of wood in cubic meters. Mekh.  
i avtom.proiz. 14 no.6:48-49 Je '60. (MIRA 13:7)  
(Electronic digital computer)

GREDITOR, M.A.; PECHENKIN, V.I.; IOFFE, I.S.; BOBYLEVA, L.V.,  
red.; KHADASEVICH, Yu.G., med. red.

[Mechanization and automation of production; organiza-  
tion of work] Mekhanizatsiia i avtomatizatsiia proiz-  
vodstva; organizatsiia rabot. Moskva, Ekonomika, 1964.  
214 p. (NIRA 18:1)

SEMESHKO, I.F.; GRADTOR, Ye.M.

Congenital macrocardia in a 5-month-old infant. *Pediatrics* 39  
no.2:70-71 Mar-Apr '56. (MIRA 9:8)

1. Is 16-y detskoy bol'nitsy (glavnyy vrach G.G.Grunes, nauchnyy  
rukovoditel' - dotsent M.T.Daykes)  
(CARDIAC ENLARGEMENT,  
congen. macrocardia (Rus))

LIFSHITS, L.S., dotsent; GREDITOR, Ye.M.

Case of systemic vasculitis. Vrach.delo no.6:633-635 Je '60.  
(MIRA 13:6)

1. 12-ya gorodskaya bol'nitsa Khar'kova.  
(BLOOD VESSELS--DISEASES)



TIRASPOL'SKAYA, M.M., kand.med.nauk; GREDITOR, Ye.M.

Giant fibroadenoma of the breast (phylloide tumor). Khirurgiia  
36 no.11:134-136 N '60. (MIRA 13:12)

1. Iz 2-y khirurgicheskoy kliniki (zav. - prof. M.M. Lyakhovitskiy)  
Ukrainskogo instituta usovershenstvovaniya vrachey.  
(BREAST--TUMORS)

BUGOSLAVSKAYA, T.V., dotsent; GREDITOR, Ye.M. (Khar'kov)

Kimmelstiel-Wilson syndrome. Vrach. delo no.9:20-23 S '61.

(MIRA 14:12)

1. Kafedra terapii II (zav. - dotsent T.V.Bugoslavskaya) Ukrainskogo  
instituta usovershenstvovaniya vrachey i patologoanatomicheskogo  
otdeleniya (zav. - Ye.M.Greditor) 12-oy gorodskoy bol'nitsy.  
(DIABETES—COMPLICATIONS AND SEQUELAE)

MARKOV, A.Ya., dotsent; GREDITOR, Ye.M., prozektor

Case of arrhenoblastoma of the ovary. Kaz. med. zhur. no.2:72-73  
Mr-Apr '62. (MIRA 15:6)

1. Kafedra akusherstva i ginekologii (zav. - doktor med.nauk  
R.I. Malykhina) Ukrainского instituta usovershenstvovaniya  
vrachey i prozektorskoye otdeleniye 12-y klinicheskoy bol'nitsy  
Khar'kova (glavnyy vrach - A.I. Kirichenko).  
(OVARIES—TUMORS)

MALIKHINA, R.I. [Malykhina, R.I.]; DUBINS'KA, N.I. [Dubyns'ka, N.I];  
GREDITOR, Ye.M. [Hredytor, IE.M.]

Embolic of the pulmonary vessels caused by amniotic fluid.  
Ped., akush. i gin. 25 no.1:57-58 '63. (MIRA 16:5)

1. Kafedra akusherstva i ginekologii (sav.-doktor med.nauk  
R.I.Malikhina [R.I.Malykhina]) Ukrain'skogo institutu udos-  
konalennya likariv (rektor-dotsent I.I.Ovsiyenko [I.I.Ovsienko]).  
(AMNIOTIC FLUID) (PULMONARY EMBOLISM)

MARKOV, A.Ya., dotsent; GREDITOR, Ye.M., prozektor

Clinical aspects and pathological anatomy of the Brenner tumor.  
Akush. i gin. 39 no.4:116-118 J1-Ag'63 (MIRA 16:12)

1. Iz kafedry akusherstva i ginekologii Ukrainskogo instituta  
usovershenstvovaniya vrachey (rektor - dotsent I.I.Ovsiyenka).

GREDKA) N1.

20  
✓ Estimation of certain quality characteristics of plates for process work. Witold Romer, M. Gredka, Z. Jackiewicz, H. Pasek, and W. Piebanczyk (Inst. Tech., Wroclaw, Poland). *J. Phot. Sci.* 6, 144-62(1958).—Sensitometric criteria are proposed for measuring the "effective contrast" of photographic materials for line and halftone work. Methods of estg. the resolving power of materials in line photography and of dot quality in the halftone process are described. A dot quality coeff. is formulated. Good correlation between the contrast factor and resolution is found for material of conventional type but no correlations for materials of the "lith"-type. A linear relation is found between the dot quality coeff. and the contrast coeff. for both conventional and lith-type materials. Latitude requirements for continuous tone copying of originals are formulated. None of the materials tested satisfy these requirements. Authors

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oR

ROMER, Witold; GREDKA, Maria; JACKIEWICZ, Zofia; PASEK, Halina;  
PLEBANCZYK, Wiesława

Photographic chemistry. Chemia stosow 3 no.2:201-223 '59.

1. Katedra Fototechniki, Politechnika, Warszawa.

GREBNEVA, L.I.

Intestinal invagination of 6 month duration in a child. Sov.med.  
21 no.4:126-127 Ap '57. (MLRA 10:7)

1. Iz kafedry khirurgii pediatricheskogo fakul'teta (zav. - prof.  
A.A.Feforovskiy) Kiyevskogo meditsinskogo instituta (dir. -  
dotsent I.P.Alekseyenko)

(INTUSSUSCEPTION, in inf. and child  
of 6-month duration



S/081/61/000/019/041/085  
B110/B101

AUTHOR: Gredniger, V. I.

TITLE: Calculation of the optimum operating conditions of catalytic apparatus for heterogeneous catalysis in the vapor phase

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 19, 1961, 243, abstract 19176 (Tr. po khimii i khim. tekhnol. (Gor'kiy), no. 3, 1960, 640 - 641)

TEXT: An equation is given for calculating the optimum working period of a catalytic reaction vessel between two renewings of the catalyst at a minimum production cost of the main products of catalysis. [ Abstracter's note: Complete translation.]

Card 1/1

GREDYSA, S.

GREDYSA, S. Prime cost in the cement industry.  
Durability of the lining in rotary kilns is increased in the USSR. p. 115.  
BUDOWNICTWO PRZEMYSŁOWE. Warszawa, Poland. Vol. 4, No. 11, Nov. 1955

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

GREZHEV, A.F.

Some technical details of cholangiography during surgery. Khirurgiia  
33 no.3:111-113 Mr '57. (MLRA 10:7)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (sav. kafedroy -  
prof. K.T.Ovnatnyan) Stalinskogo meditsinskogo instituta imeni  
A.M.Gor'kogo (dir. A.M.Ganichkin)  
(CHOLANGIOGRAPHY  
technic in surg. (Rus))

GREZHEV, A.F.

Cholangiography following biliary tract surgery and its clinical significance [with summary in English]. Khirurgiya 33 no.7:65-70 (MIRA 10:11)  
JA '57.

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. K.T. Ovnatanyan) Stalinskogo meditsinskogo instituta imeni A.M.Gor'kogo (dir. - dotsent A.M.Genichkin)  
(BILIARY TRACT, surg.  
postop. cholangiography)  
(CHOLANGIOGRAPHY  
following bile duct surg., evaluation)

EXCERPTA MEDICA Sec 9 Vol 13/2 Surgery Feb 59

1243. PERISTALSIS IN THE COMMON BILE DUCT (Russian text) - Gredzhev  
A. F. - KLIN. MED. (Mosk.) 1957, 35/4 (47-51) Illus. 4

Cholangiography with radioscopy and radiography was done in 65 cases of biliary-tract operations where a drain was left in place for a long time or where there was a persistent fistula. Cholangiography is technically simple and is of considerable practical value because it shows the functional state of the biliary tract by visualizing peristalsis in the bile duct. This may be significant in deciding on treatment.

Zakryś - Lublin (IX, 14)

GREZDZHEV, A. F., Cand Med Sci -- (diss) "Cholecystography and cholangiography on the operation table and in the postoperative period in surgery of biliary tracts." Stalino, 1960. 20 pp; (Stalino Medical Inst im A. M. Gor'kiy); 220 copies; price not given; (KL, 22-60, 143)

GREZHEV, A. F. (Donetsk, 55, ul. Shchorsa, 10, kv. 7); GRANOV, A. M.  
(Donetsk, ul. Artema, 77/75, kv. 13)

Diagnosis and treatment of cancer of Vater's ampulla. Vop. onk. 8  
no.1:25-30 '62. (MIRA 15:2)

1. Iz kliniki fakul'tetskoy khirurgii (zav. - prof. K. T. Ovnatanyan)  
Donetskogo meditsinskogo instituta (dir. - dots. A. M. Ganichkin)  
na baze oblastnoy klinicheskoy bol'nitsy im. M. I. Kalinina (glav.  
vrach - V. F. Zubko)

(DUODENUM--CANCER)

GPEDZHEV, A.F., kand. med. nauk (Donetsk, ul. Shchoraa, 10, kv.7); POPOV, N.K.

Congenital dilatation of the common bile duct. Vest. khir. 92  
no.5:86-88 My '64. (MIRA 18:1)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. K.T.  
Ovnatanyan) Donetskogo meditsinskogo instituta imeni A.M. Gor'kogo.



GREZDZHIK, I. F.

Method for solution of a boundary value problem for a  
second-order linear differential equation. *Mat. zhur.*  
16 no. 3:375-382 '64. (MIRA 17:7)

GREDZHUK, I.F. [Hredzhuk, I.F.]

Method for solving a boundary value problem for a linear differential equation of the second order. Dop. AN URSR no. 12:1574-1578 '64.

1. Institut matematiki AN UkrSSR. Predstavleno akademikom AN UkrSSR Yu. A.Mitropol'skim [Mytropol's'kyi, IU.O.].

L 25606-65 EWT(d) Pg-4 IJP(c)  
ACCESSION NR: AP5004241

S/0021/65/000/001/0010/0011

20  
13

AUTHOR: Gredzhuk, I. F.

TITLE: A method for estimating the solution of the Cauchy problem for a linear differential equation of nth order

SOURCE: AN UkrRSR. Dopovidi, no. 1, 1965, 10-14

TOPIC TAGS: Cauchy problem, differential equation

ABSTRACT: On the basis of a comparison theorem the author proposes a method for finding upper and lower approximations to the solution of the Cauchy problem for an nth order linear differential equation,

$$y^{(n)} = \sum_{i=1}^n c_i(x) y^{(i-1)} + r(x). \quad (1)$$

He gives an example

$$y' = xy, \quad y(0) = 0, \quad y'(0) = 1, \quad (2)$$

Card 1/2

L 25606-65

ACCESSION NR: AP5004241

with initial conditions

$$y(0) = y_0, \quad y'(0) = y'_0, \dots, y^{(n-1)}(0) = y_0^{(n-1)} \quad (3)$$

to illustrate the effectiveness of the method. Orig. art. has: 10 formulas.

ASSOCIATION: Institut matematiki AN URSR (Institute of Mathematics, AN URSR)

SUBMITTED: 24Mar64

ENCL: 00

SUB CODE: MA

NO REF SOV: 003

OTHER: 000

Card 2/2