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88885

On the weak continuity...

S/044/60/000/007/041/058
C111/C222

of the Nemytskiy operator remains true also in more general functional spaces.

[Abstracter's note: The above text is a full translation of the original Soviet abstract.]

X

Card 3/3

SHRAGIN, I.V.

Measurability of some functions. Uch.zap.MOPI 77:181-186
'59. (MIRA 13:5)

(Functions of real variables)

16(1)

SOV/20-128-1-1/58

AUTHORS:

Vaynberg, M.M., Shragin, I.V.

TITLE:

Nonlinear Operators and Hammerstein Equations in Orlicz Spaces

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 128, Nr 1, pp 9-12 (USSR)

ABSTRACT:

The authors prove new existence and uniqueness theorems for the nonlinear equation

$$(1) \quad u(x) = \int_B K(x,y)g(u(y),y)dy = \Gamma u ,$$

as well as existence theorems for eigenfunctions of the Hammerstein operator Γ in Orlicz spaces. The most essential difference from the known results in this direction consists in the fact that the complete continuity of the linear integral operator A

$$(2) \quad A = \int_B K(x,y)v(y)dy$$

is not demanded. The Orlicz spaces are introduced about according to Zaanen, whereby former results of the authors

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Nonlinear Operators and Hammerstein Equations
in Orlicz Spaces

SOV/20-128-1-1/58

and of others [Ref 6 - 10,12] are used. Six theorems are given.

There are 12 references, 7 of which are Soviet, 3 Polish, 1 American, and 1 Dutch.

ASSOCIATION: Moskovskiy oblastnoy pedagogicheskiy institut imeni N.K. Krupskoy (Moscow Regional Pedagogical Institute imeni N.K. Krupskaya)
Kostromskoy gosudarstvennyy pedagogicheskiy institut imeni N.A. Nekrasova (Kostroma State Pedagogical Institute imeni N.A. Nekrasov)

PRESENTED:

May 12, 1959, by S.L. Sobolev, Academician

SUBMITTED:

May 11, 1959

Card 2/2

SHRAGIN, I.V.

Continuity of Nemytskii's operator in Orlich spaces. Dokl. AN SSSR
140 no.3:543-545 S '61. (MIRA 14:9)

1. Kostromskoy gosudarstvennyy pedagogicheskiy institut im. N.A.
Nekrasova. Predstavleno akademikom A.N. Kolmogorovym.
(Operators (Mathematics)) (Spaces, Generalized)

SHRAGIN, I.V.

Continuity of Nemytskii's operator in Orlicz spaces. Uch. zap.
Kish. un. 70:49-51 '64 (MIRA 18:2)

SHRAGIN, I.V. (Kishinev

Some properties of Nemtinskii's operator in Orlicz spaces.
Mat. sbor. 65 no.3:324-337 W '64 (MIRA 18:1)

VAYNBERG, M.M.; SHRAGIN, I.V. (Moskva)

The Hammerstein operator in Orlicz spaces, Part 1. Izv.vys.ucheb.
zav.; mat. no.1:17-27 '65. (MIRA 18:3)

VAYNBERG, M.M. (Moskva); SHRAGIN, I.V. (Moskva)

The Hammerstein operator in Orlicz spaces. Part 2: Topological methods.
Izv. vys. ucheb. zav.; mat no.3:32-37 '65. (MIRA 18:7)

SOV/99-59-6-3/13

14(10)

AUTHOR: Shragin, N.V., Engineer

TITLE: Prefabricated Reinforced-Concrete Lining for Canals of the Verkhne-Dal'verzinskaya Irrigation System

PERIODICAL: Gidrotekhnika i melioratsiya, 1959, Nr 6, pp 15-19, (USSR)

ABSTRACT: The article is concerned with prefab reinforced-concrete lining of canals of the Verkhne-Dal'verzinskaya Irrigation System, Tadzhik SSR. It states the opinion that as long as there are no 100% watertight joints developed to unite the reinforced-concrete plates, this water way lining method is seriously hampered. The 47 km long Magistral'nyy kanal (Main Canal) of the above system was lined in 1956, with a 6 km long section of its left bank lined with armored plates 1.5, 1.6, and 1.7 m in length, 3 m in width, and 12 cm in thickness. However, the concrete-bitumen joints used there proved

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SCV/99-59-6-3/13

Prefabricated Reinforced-Concrete Lining for Canals of the Verkhne-Dal'verzinskaya Irrigation System

a failure since the bitumen mass in hot weather melted away. A cold asphalt mass is of great help for this purpose, yet it does not fully eliminate difficulties in keeping the lining water-tight. At the present time, the distributor canals of the above system are being lined with reinforced-concrete plates. Having a triangular section, each canal is lined with 1.7 x 3.0 m plates 6 cm in thickness. The joint spaces are filled by a bituminous mass plus a concrete solution. However, this method can only be applied to stable grounds not subject to leaching, otherwise a double lining with a 1-2 cm thick insulation layer in-between is required. The following personalities and organizations are mentioned in this article in connection with water-tight joints: Engineer T.S.Genkuzen, Stalingradskaya ges (Stalingrad Hydroelectric Power Plant),

Card 2/3

SOV/99-59-6-3/13

Prefabricated Reinforced-Concrete Lining for Canals of the
Verkhne-Dal'verzinskaya Irrigation System

Kayrakumskaya ges (Kayrakumy Hydroelectric Power Plant),
and the Tsentral'noye normativno-issledovatel'skoye
byuro Ministerstva Kommunal'nogo Khozyaystva RSFSR
(Central Normative and Research Bureau of the Mi-
nistry of Municipal Economy of the RSFSR). There is
1 Soviet reference, 2 photos, and 2 sets of diagrams.

ASSOCIATION: Tadzhiktselinstroy

Card 3/3

SHRAGIN, Solomon Moiseyevich; TROPKINA, G.N., nauchnyy red.; RUSAKOVA,
L.Ya., ved. red.; SAFRONOVA, I.M., tekhn. red.

[Refining oils with phenol]Ochistka masel fenolom. Leningrad,
Gostoptekhizdat, 1962. 84 p. (MIRA 16:2)
(Phenols) (Mazut).

ACCESSION NR: AR4031091

S/0282/64/000/002/0030/0030

SOURCE: Referativnyy zhurnal. Khimicheskoye i kholodil'noye mashinostroyeniye. Otdel'nyy vypusk, Abs. 2.47.276

AUTHOR: Shragin, S. M.

TITLE: Use of an MMZM-ChGMP washer for cleaning petroleum tanks

CITED SOURCE: Transport i khraneniye nefi. Nauchno-tekhn. sb., no. 5, 1963, 26-27

TOPIC TAGS: petroleum tank washer, gasoline tank washer, petroleum residue washing

TRANSLATION: A brief description is given of an MMZM-ChGMP (designed by the Black Sea State Steamship Company) used by the Novokuybyshevsk Petroleum Refining Plant for cleaning tanks which had contained white products (volume of each tank, 200 m³). As a result of the cleaning, the mud, rust, and petroleum product residue were completely removed from the tanks. Water was fed by

Card 1/2

ACCESSION NR: AR4031091

the water-supply system under 4-6 atm pressure at a temperature of 13-15°. Tanks which had contained gasoline were washed for 2 hr.

DATE ACQ: 31Mar64

SUB CODE: CH

ENCL: 00

Card 2/2

США, М.

Кто командует американской армией? *Who commands the American Army?*
Москва, Воениздат, 1952. 96 с.

See: Monthly List of Russian Accessions, Vol. 7 No. 2 May 1954.

SHRAGO, B.I.

Gas removal from accessory mineral deposits in flat and inclined coal seams mined by means of crosscut levels. Ugol' Ukr. 6 no.9:41-43 S '62. (MIRA 15:9)

1. Glavnyy inzh. shakhtoupravleniya No.11 shakhterskogo tresta ugol'nykh predpriyatiy kombinata Rostovugol' Ministerstva ugol'noy promyshlennosti SSR.

(Mine gases)

SHRAGO, B.I.

Catchment of methane by means of drainage holes and ventilation
drifts. Ugol' 39 no.11:55-61 N '64. (MIRA 18:2)

1. Trest Shakhterskantratsit.

VEYTS, V.I. (Leningrad); SHRAGO, L.G. (Leningrad)

Optimization of transmission coefficient values and scale determination in work with electronic models. Izv. AN SSSR. Tekh. kib. no.1:187-192 Ja-F '65. (MIRA 18:4)

SRIBNER, Leonid Andreyevich; SHRAGO, Leonid Konstantinovich; SPYNU, G.A.,
kand. tekhn. nauk, retsenzent; BYKOVSKIY, A.I., inzh., red.;
GORNOSTAYPOL'SKAYA, M.S., tekhn. red.

[Design of position-type program control systems] Proektirovanie
pozitsionnykh sistem programmogo upravleniia. Moskva, Mashgiz,
1962. 307 p. (MIRA 15:5)

(Automatic control)

(Milling machines—Numerical control)

SRIENER, L.A.; SHRAGG, L.K.; DEGTAREV, O.N.

Coincidence circuits with position contact pickups set in the
"two from five" code. Awt. 1 prib. no.4:35-37 O-D '64
(MIRA 18:2)

SVIADENKO, Sergey Kharitonovich; BARAB-TARLE, Matus' Yeleovich;
MIZHEVSKIY, Lev Leonidovich; RASHKOVICH, Mikhail Pavlovich;
SRIBNER, Leonid Andreyevich; ~~SHRAGO, Leonid Konstantinovich;~~
ORLIKOV, M.L., kand. tekhn. nauk, retsenzent; ROMANOV, A.I.,
inzh., red.; BYKOVSKIY, A.I., inzh., red.; GORNOSTAYPOL'SKAYA,
M.S., tekhn. red.

[Program control of jig drilling machines] Programnoe upravle-
nie koordinatno-sverlil'nymi stankami. Moskva, Mashgiz, 1962.

87 p.

(MIRA 15:9)

(Drilling and boring machinery--Numerical control)

ACC NR: AP7004253

SOURCE CODE: UR/0432/66/000/002/0016/0018

AUTHOR: Sukhanov, I. N.; Shrago, L. K.

ORG: none

TITLE: Punchtape holder in the program mechanism in program-controlled metal-cutting machines

SOURCE: Mekhanizatsiya i avtomatizatsiya upravleniya, no. 2, 1966, 16-18

TOPIC TAGS: metal cutting machine, program control, punched paper tape

ABSTRACT: Various methods of holding and transporting punchtape (two-reel tape-recorder-type mechanism, unwinder mechanism, endless loop, etc.) are briefly reviewed. The simplest tape-holding device, the bin (or hopper), was experimentally investigated in the Ukrainian Scientific Research Institute of Machines and Tools. Optimal bin sizes were determined by photographing the

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UDC: 621.90.002 - 529

ACC NR: AP7004253

behavior of the tape transported at a rate up to 50 m/min by a special variable-speed mechanism; the tape length accommodated up to 150-350 frames. The above experiments yielded these findings: the bin height should not exceed 500 mm; not over 10 m tape per 10 cm bin width should be stored; 1 dm³ of side wall should correspond to 1.8 m tape or less; bin lid is necessary; there is no essential relation between the tape speed and the bin capacity; the bin size is reasonable (500 x 500 x 36 mm) for tapes up to 35 m long. Orig. art. has: 2 figures.

SUB CODE: 09, 13 / SUBM DATE: none

Card 2/2

SRIBNER, L.A.; SHRAGO, L.K.

Investigating new coincidence circuits with contact position transducers. Avtom.i prib. no.3:42-44 JI-S '62. (MIRA 16:2)

1. Spetsial'noye konstruktorskoye byuro No.3 Odesskogo soveta narodnogo khozyaystva.
(Electric circuits)

SVIRIDENKO, S.Kh.; AKHMECHET, L.S.; VOLKOV, A.A.; MEYSTEL', A.M.;
MIZHEVSKIY, L.L.; POLYAKOV, L.M.; RASHKOVICH, M.P.;
SRIJNER, L.A.; KHVALOV, Yu.G.; SHPIGLER, L.A.; SHRAGO,
L.K.; ORLIKOV, M.L., inzh., retsenzent; SVECHNIKOV, L.V.,
inzh., retsenzent; MATSIYEVSKIY, A.G., inzh., red.

[Elements of the automation of machine tools] Elementy
avtomatizatsii metallorezhushchikh stankov. Moskva, Mash-
giz, 1964. 210 p. (MIRA 17:12)

Smith, A. E.

"Certain Changes in the Functional Character of the Nervous System in Pernicious Anemia." Cand. Med. Sci., Moscow Medical Stomatological Inst., Min. Health USSR, Kharkov, 1955. (ML, No 8, Feb 55)

SO: Sum. No. 431, 26 Aug 55 - Survey of Scientific and Technical
Dissertation Defended at USSR Higher Educational Institutions.
(1a)

ARLOZOROV, Z.G., starshiy nauchnyy sotrudnik; SHRAGO, M.I., nauchnyy sotrudnik;
GAVRILOV, G.B.; OST, I.A.

Role of the nervous system in the mechanism of reactions following
blood transfusions. Vop.pere1.krovi 4:43-50 '55. (MLRA 9:12)
(NERVOUS SYSTEM) (BLOOD--TRANSFUSION)

SERAGO, M.I., nauchnyy sotrudnik

Some functional changes in the nervous system in pernicious anemia.
Vop.pereh.krovi 4:77-85 '55. (MLRA 9:12)
(NERVOUS SYSTEM) (ANEMIA)

ZALKINA, A.P., starshiy nauchnyy sotrudnik; SHRAGO, M.I., nauchnyy
sotrudnik; BIBIKOVA, Ye.S.; SMIRNOVA, L.Ye.

Transfusion of the "intermediate layer" of stored blood in leucopenia,
agranulocytosis, and thrombopenia. Vop.pere1.krovi 4:165-174 '55.

(BLOOD—TRANSFUSION)

(MIRA 9:12)

(LEUCOPENIA)

(AGRANULOCYTOSIS)

MILOSTANOV, N.N., professor; KOLENKO, N.A., kandidat meditsinskikh nauk;
SHRAGO, M.I., kandidat meditsinskikh nauk

Surgical methods for treating hemorrhages in some diseases of the hemopoietic system (Werlhof disease, thrombophlebitic splenomegaly, giliary cirrhosis). Nov.khir.arkh. no.1:24-29 Ja-F '57. (MIRA 10:6)

1. Adres avtorov: Khar'kov, ul. Chernyshevskogo, d9, Ukrainskiy nauchno-issledovatel'skiy institut perelivaniya krovi i neotlozhnoy khirurgii.
(HEMORRHAGIC DISEASES)

ARLOZOROV, Z.G., starshiy nauchnyy sotrudnik (Khar'kov, ul. Tolkachevskaya, d.3, kv.4); GESHVANTNER, R.A., starshiy nauchnyy sotrudnik;
ZAIKINA, Kh.P., starshiy nauchnyy sotrudnik; SHRAGO, M.I., kandidat meditsinskikh nauk

Using the preparation thromboplasmin in thrombopenia and hemorrhages of varied etiology. Nov.khir.arkh. no.1:32-36 Ja-F '57. (MLRA 10:6)

1. Ukrainskiy institut perelivaniya krovi i neotlozhnoy khirurgii.
(HEMORRHAGIC DISEASES) (BLOOD PLASMA)

SHRAGO, M.I., kand.med.nauk (Khar'kov)

Comparative evaluation of various methods of treating chronic leukemia in relation to immediate and late results. Vrach.delo no.5:537 My '59.
(MIRA 12:12)

1. Klinicheskiy otdel (rukovoditel' - prof. N.N. Milostanov) Ukrainskogo nauchno-issledovatel'skogo instituta perelivaniya krovi i neotlozhnoy khirurgii.

(LEUKEMIA)

SHRAGO, M.I.; ZALKINA, Kh.P.; VESKOBYNIKOV, N.M.

First observations on transfusions of bone marrow in hypoplastic
and aplastic anemias. Probl. gemat i perel. krovi 6 no.2:33-34
'61. (MIRA 14:2)
(MARROW--TRANSPLANTATION) (ANEMIA)

KOLENKO-LEGEZO, N. A.; SHRAGO, N. I.; ZALKINA, Kh. P.; BALEN, S. A.

Treatment of Werlhof's disease with hypophysial-adrenal gland hormones and some data on the functional state of the hypophysial-adrenal gland system in this disease. Probl. gemat. i perel. krovi no.8:27-30 '62. (MIRA 15:7)

1. Iz gematologicheskogo otdela (zav. N. A. Kolenko-Gezezo) Ukrainskogo nauchno-issledovatel'skogo instituta perelivaniya krovi i neotlozhnoy khirurgii (dir. L. A. Ripyakh) i endokrinologicheskoy kliniki (zav. L. P. Lobachevskaya) Ukrainskogo nauchno-issledovatel'skogo instituta endokrinologii (dir. S. V. Maksimov)

(PURPURA(PATHOLOGY)) (ADRENAL GLANDS)
(PITUITARY BODY)

BAKHVALOV, A.P.; SHRAGO, Z.Kh.; ZHITOMIRSKAYA, L.M.; ISKOVA, A.K.,
red.; MAMONTOVA, N.N., tekhn.red.

[Coin mechanisms of vending machines] Monetnye mekhanizmy
torgovykh avtomatov. Moskva, Gos.izd-vo torg.lit-ry, 1960.

79 p.

(MIRA 13:12)

(Vending machines)

SHRAIBER, B. [Schreiber, B.], inzh. (Praga)

Polyester premixtures. Tekhnika Bulg 11 no.4:150-153 '62.

GORB, T.V. [Horb, T.V.], doktor sel'skokhoz.nauk; TERESHCHENKO, F.K.,
 kand.biolog.nauk; BOGAYEVSKIY, O.T. [Bohaiivs'kyi, O.T.], kand.
 veterin.nauk; POTYEMKIN, M.D., [Pot'omkin, M.D.], akademik;
 KNIGA, M.I. [Knyha, M.I.]; POPOV, O.Ya., kand.sel'skokhoz.nauk;
 KHMBLIK, G.G. [Hmelyk, H.H.], kand.sel'skokhoz.nauk; ~~SHRAM, I.P.,~~
 kand.sel'skokhoz.nauk [deceased]; KOPII, A.M., kand.sel'skokhoz.
 nauk; TSELYUPIN, V.K., kand.sel'skokhoz.nauk; BOZHKO, P.Yu., doktor
 sel'skokhoz.nauk; KROMIN, S.S., kand.sel'skokhoz.nauk; ZEMLYANSKIY,
 V.M. [Zemlians'kyi, V.M.], kand.sel'skokhoz.nauk; BORISENKO, A.M.
 [Borysenko, A.M.], kand.biolog.nauk; ZAKHARENKO, V.B., kand.biolog.
 nauk; SMIRNOV, I.V. [Smyrnov, I.V.], kand.biolog.nauk; KHRABUSTOVSKIY,
 I.F. [Khrabustovs'kyi, I.F.], kand.biolog.nauk; TORSTYANETSKAYA, M.N.,
 [Trostianets'ka, M.N.], assistent; ALESHKO, P.I., inzh.; VASIL'YEV,
 VasyI'iev, O.F., kand.tekhn.nauk; BUGAYENKO, I.I. [Buhaienko, I.I.],
 starshiy prepodavatel'; TRAKHTOMIROVA, O.O., kand.ekonom.nauk;
 BUTKO, S.D., kand.ekonom.nauk; TELESHIK, K.G. [Teleshik, K.H.],
 doktor ekonom.nauk; YAROSHENKO, V.D., kand.ekonom.nauk; LISIY, I.Y.
 [Lysyi, I.I.], red.; YEROSHENKO, T.G. [Yeroshenko, T.H.], tekhn.red.

[Handbook for zootechnicians] Dovidnyk zootekhnika. 2., dopovnene
 i pereroblene vyd. Kyiv, Derzh.vyd-vo sil's'kohospodars'koi lit-ry
 URSR, 1960. 728 p. (MIRA 15:2)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.
 Lenina (for Potemkin). 2. Chlen-korrespondent Vsesoyuznoy akademii
 sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Kniga).
 (Stock and stock breeding)

BYKOV, I., podpolkovnik v otstavke; SHRAMCHENKO, A., polkovnik, kand.-
vovennykh nauk

"Pedagogical principles for teaching members of the Soviet
Armed Forces" by A.V.Barabanshchikov. Reviewed by I.Bykov,
A.Shramchenko. Voen.vest. 42 no.5:122-126 My '63. (MIRA 16:5)
(Military education) (Barabanshchikov, A.V.)

L 45597-65 EWA(h)/EWT(m) DM

ACCESSION NR: AP5009031

S/0089/65/018/003/0300/0301

AUTHOR: Merkichev, Ye. I.; Shramchenko, A. D.; Lapardina, A. S.; Peretti, V. V.;
Vasil'kov, Ye. I.; Skorniyakov, V. V.

TITLE: Radioactive fallouts in the far eastern shore of the Pacific in 1962--1963

SOURCE: Atomnaya energiya, v. 18, no. 3, 1965, 300-301

15
B

TOPIC TAGS: radioactive fallout, atmospheric contamination

ABSTRACT: The methods for gathering, processing, and determining the beta activity of dry fallout and atmospheric precipitation were described in "Radioaktivnyye zagryazneniya vneshney sredy" [Radioactive Contamination of An External Medium], Gosatomizdat 1962). The precipitation was gathered monthly with the aid of a precipitation meter of 200 cm² surface. The contamination of the surface layer of the ground was determined daily by a suitably calibrated field gamma radiometer. The results gathered at four points on the far eastern shore of the Pacific were averaged. Plots are presented of the monthly fission-products fallouts and radioactive contamination of the ground surface, of the time variation of the ratio of the intensities of fallout at various points after cessation of the influx of fis-

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L 45597-65

ACCESSION NR: AP5009131

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sion products in the stratosphere, and of the dependence of the degree of retention of fission products in the ground surface layer on the age of the fission products and the amount of atmospheric precipitation. The values calculated for the average maximum energy of the beta radiation of the fallout in the fall of 1962 and in August 1963 amounted to 1.0 and 1.4 MeV, respectively, which agrees with the published data. The effects of absorption of radioactive decay of different elements in the fallout are briefly discussed. Orig. art. has: 3 figures and 1 table.

ASSOCIATION: None

SUBMITTED: 19Mar64

ERCL: 00

SUB CODE: RP, DC

NR REF SOV: 003

OTHER: 001

Card 2/2 MB

MARKICHEV, Ye.I.; SHRAMCHENKO, A.D.; LAPAFEDINA, A.S.; PERETTI, V.V.;
VASIL'KOV, Ye.I.; SKORNIYAKOV, V.V.

Radioactive fallout on the Far-Eastern shore of the Pacific Ocean
in 1962-1963. Atom. energ. 18 no.3:300-301 Mr '65. (MIRA 18:3)

SHRAMCHENKO, A. I.

PHASE I BOOK EXPLOITATION SOV/3879

Grigorenko, Petr Grigor'yevich, Candidate of Military Sciences, Docent, Major General; Dmitriy Matveyevich Milyutenkov, Candidate of Military Sciences, Senior Scientific Worker, Colonel; Ivan Ignat'yevich Prokhorkov, Candidate of Military Sciences, Colonel; Andrey Alekseyevich Sidorenko, Candidate of Military Sciences, Lieutenant Colonel; Aleksandr Filippovich Shramchenko, Candidate of Military Sciences, Senior Scientific Worker, Colonel.

Metodika voyenno-nauchnogo issledovaniya (Methods of Military Science Research) Moscow, Voenizdat, 1959. 266 p. No. of copies printed not given.

Ed. (Title page): P. A. Kurochkin, General of the Army; Ed.: (Inside book): B. N. Morozov, Colonel; Tech. Ed.: A. N. Mednikova.

PURPOSE: This is a textbook in military science research for high-ranking officers.

COVERAGE: This book, based on Marxist dialectical principles, was written by a team of authors at the Military Academy im. Frunze and is an attempt to systematize military science research principles and techniques. The book

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Methods of Military Science (Cont.)

SOV/3879

discusses the use of logic and statistics in military science research, organization of a military science research project, selection and planning of research projects, proper use of reference materials and military experience, proper style and preparation of manuscripts pertaining to military science research projects, etc. No personalities are mentioned. There are 86 references, all Soviet.

TABLE OF CONTENTS:

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Ch. I. Features of Military Science Research	5
1. Object of military science research	5
2. Specific character of military science research	8
3. Ways in which military science work may be carried out	13
4. Kinds of military science writing	20
5. Basic principles of military science research	26

Card-2/-6--

ZABORO, B., polkovnik; CHERVONOBAB, V., polkovnik; SHRAMCHENKO, A., polkovnik;
KURKOV, A., polkovnik, kand.voyen.nauk

Tank attack in conjunction with motorized infantry; comments on the
article published in no.1. Voen. vest 39 no.2:34-42 F '59.
(MIRA 12:7)

(Tank warfare)

ACC NR: AM010597

(A)

Monograph

UR/

Shramchenko, A. F. (Candidate of Military Sciences; Colonel)

Handbook for the tactical training instructor (V pomoshch' rukovoditelyu takticheskikh ucheniy) Moscow, Voenizdat M-va obor. SSSR, 65. 0205 p. illus. 7,000 copies printed.

TOPIC TAGS: military training, tactical warfare

PURPOSE AND COVERAGE: This book gives instructions on the preparation and conduction of tactical training. The content, purpose and requirements for tactical training are viewed, and the amount and order of work in preparing for it are included. Also, the content and methods for handling main documents required for this training are shown. The book presents problems in preparing the region of training, organization of imitation, and safety measures as well as preparation of assistants and sections of the study of the manual. The book informs about initiation of training and duties of the instructor and assistants in training any group at various stages. Questions of party-political work and the inclusion of it in training are given. This book is recommended for officers of the Land Forces, instructors and classes of military academies and instructors of higher combined military commands and tank schools.

TABLE OF CONTENTS (abridged):

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ACC NR: AM6010597

Ch. I. General position--8
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Ch. III. Conducting tactical training--145
Supplment--194

SUB CODE: 15 / SUBM DATE: 19Jul65

Card 2/2

ACC NR: AT7002854 (N) SOURCE CODE: UR/3239/66/000/003/0061/0069

AUTHOR: Golubchenko, A. I.; Dmitriyev, L. I.; Lobov, I. V.; Shreytul', A. Yu.

ORG: none

TITLE: Investigations of the effect of a marine gas turbined forward arrangement on combustion chamber characteristics.

SOURCE: Nikolayev. Korablestroitel'nyy institut. Sudostroyeniye i mor'skiye sooruzheniya, no. 3, 1966. Sudovyye energeticheskiye ustanovki (Ship power equipment), 61-69

TOPIC TAGS: gas turbine, gas turbine engine, marine engine, turbine design, combustion chamber, combustion chamber temperature, *flow characteristics*

ABSTRACT: The effect of forward-arrangement design on the combustion chamber characteristics of marine gas turbines has been investigated on four types of annular combustion chambers burning T-1 GOST 4138-49 kerosene or GOST 4749-49 diesel oil. Flow aerodynamics in the combustion chamber, combustion completeness, gas-outlet temperature field, combustion-chamber resistance, and the limits of a steady combustion are discussed in detail and individual design features are graphically

Card 1/2

ACC NR: AT7002854

represented. As demonstrated, axial-velocity distribution in the combustion chamber, combustion completeness relative to the excess-air ratio, mean exhaust-gas temperature, and the combustion chamber's wall temperature and resistance are significantly influenced by the particular design of the combustion chamber's forward arrangement. Generally, the combustion-chamber opening factor ϕ , which is the relationship of all of its apertures to its middle section primarily affects the resistance (increased ϕ decreases resistance, and vice versa); increased recycling improves the combustion conditions, and the use of an airflow whirling device to direct a vortex against the flame-tube walls improves the temperature field of the flame-tube walls and behind the combustion chamber. Orig. art. has: 7 figures and 2 tables.

SUB CODE: 21, 13, 20 / SUBM DATE: none / ORIG REF: 005

Card 2/2

PURAKHIN, V.; SHRAMCHENKO, B.; DUBOVOY, A., redaktor.

[General meeting of workers and employees] Obshchie sobrania rabochikh
i sluzhashchikh. [Moskva] Profizdat, 1953. 55 p. (MLRA 7:6)
(Labor and laboring classes)

SHRAMCHENKO, B.

Visiting Rumanian friends. NTO no.1:56-57 Ja '59.

(MIRA 12:2)

(Russia--Relations (General) with Rumania)

PETROV, P.S., dots.; BORISKIN, S.V., dots.; VASILENKO, N.A., starshiy prepod.; GERSHANOV, Ye.M., dots.; DEMENT'YEVA, A.N., starshiy prepod.; IL'IN, V.P., dots.; NIKITIN, D.P., starshiy prepod.; NIKITIN, D.P., starshiy prepod.; SHRAMCHENKO, K.G., starshiy prepod.; YUSHIN, V.I., starshiy prepod.; POPOV, A.S., red.; MESHALKIN, V.I., tekhn. red.

[Book of the trade-union committee chairman; aid to the factory, plant and workshop committee chairman]Kniga predsedatelia komiteta profsoiuza; v pomoshch predsedateliu fabrichnogo, zavodskogo, tsekhovogo komiteta. Moskva, Profizdat, 1962. 356 p. (MIRA 16:2)

1. Moscow. Vysshaya zaochnaya shkola profdvizheniya. 2. Kafedra "Profsoyuznoye stroitel'stvo" Moskovskoy vysshey zaochnoy shkoly prodvizeniya Vsesoyuznogo tsentral'nogo soveta profsoyuzov (for all except Popov, Meshalkin). (Trade unions--Handbooks, manuals, etc.)

KULIKOVA, M.; SHRAMCHENKO, M.

Labor problems in work schedules of research institutes. Biul.
nauch.inform.: trud i zar.plata no.5:48-52 '59.

(MIRA 12:6)

(Industrial research)

SHRAMCHENKO, M.; SHTEYNER, A.

An academic-coordinated conference on the study of labor resources.
Bul.nauch.inform.; trud i zar.plata 3 no.6:44-49 '60.
(MIRA 13:6)

(Labor supply--Congresses)

GORELOV, G.; SHRAMCHENKO, M.

Practice in using group wage systems. Sots.trud 8 no.3:77-78 Mr '63.

(MIRA 16:3)

(Kramatorsk---Wages---Machinery industry workers)

SHRAMCHENKO, O.S.

Immediate results of the treatment of skin cancer with colchicine ointment. Sov.med. 24 no.3:123-126 Mar '60. (MIRA 14:3)

1. Iz Rostovskogo-na-Donu nauchno-issledovatel'skogo instituta rentgenologii, radiologii i onkologii (dir. P.N.Snegirev) Ministerstva zdravookhreneniya RSFSR.
(SKIN--CANCER) (COLCHICINE)

SHRAMCHENKO, Svyatoslav Aleksandrovich, kapitan leytenant.

Fleet midshipmen. Mor.zap. 12 no.1:34-41 Ap '54. (MLRA 7:8)
(Naval education)

Summary of Czechoslovakia

Category: Czechoslovakia/General Division. Congresses. Meetings. A-4
Conferences.

Abs Jour: Referat Zh.-Biol., No 6, 25 March, 1957, 21368

Author : Shramek-Gushek

Inst : not given

Title : The Third Conference of Hydrobiologists and Ichthyologists
in Smolenitsi.

Orig Pub: Zool. listy, 1956, 5, No 2, 186

Abstract: The conference, called by the Czechoslovak and Slovak Academies of Sciences, was held from September 26 to 30, 1955. Participating were 100 scientific workers. 14 main reports and 26 brief communications were read. The conference discussed accomplishments in research of separate departments in hydrobiology and ichthyology. The current problems in ichthyology and hydrobiology were pointed out -- the problems of increasing fish production in reservoirs, the problems of water purification, and the training of qualified cadres.

Card : 1/1

-23-

L 98200-00 P00=2, 261(1)

ACC NR: AP6023573 (A) SOURCE CODE: UR/0018/66/000/007/0077/0078

AUTHOR: Shramenko, A. (Lieutenant colonel)

14
B

ORG: none

TITLE: Celestial orientation of devices at command and observation posts

SOURCE: Voyenny vestnik, no. 7, 1966, 77-78

TOPIC TAGS: military training, artillery weapon, celestial orientation

ABSTRACT: A method is suggested for celestial orientation of devices at command and observation posts, as well as guns at artillery firing positions. Azimuths of a celestial body are computed at 1-hr intervals for a point located in the center of the command and firing-position area. Then the change of azimuths per min is determined. The longitude and latitude of the point (for which the azimuths are computed), azimuths of a celestial body, and changes of the azimuth per min are reported to command and observation posts and artillery firing positions. The procedure is analyzed for determining a grid azimuth by the time angle of a celestial body. [NT]

SUB CODE: 15/ SUBM DATE: none/

Card 1/1

SIBATNIK, A. I.

Vagina - Cancer

Combined radiation therapy of primary cancer of the vagina. Vest. rent. i rad. No. 1, '53.

Monthly List of Russian Accessions, Library of Congress
June 1953. UNCL.

SHRAMENKO, A.I., kandidat meditsinskikh nauk; SHEVCHENKO, I.T., dodsent, direktor.

Lesions of the urinary bladder and of the rectum complicating radium and mesothorium therapy of gynecological diseases. Akush.i gin. no.2:51-57
Mr-Ap '53. (MLRA 6:5)

1. Kiyevskiy nauchno-issledovatel'skiy rentgeno-radio-onkologicheskiy institut.

(Genitourinary organs--Diseases) (Radium--Physiological effect)
(Mesothorium--Physiological effect)

SHRAMENKO, A.I.

SHRAMENKO, A.I.; ROSTOV'TSEVA, O.M.

Potassium and calcium content of blood serum in cancer. Medych.
zhur. 23 no.2:46-49 '53. (MIRA 8:2)

1. Kiivs'kiy rentgeno-radio-onkologichnyi institut.
(CANCER) (POTASSIUM IN THE BODY)
(CALCIUM IN THE BODY) (BLOOD--EXAMINATION)

SHRA'ENKO, A. I.; ROSTOVTSEVA, O.M.

Certain features of the change in potassium and calcium content of the blood in cancer treated with radiations. Medych.zhur.24 no.3:73-77 '54. (MLRA 8:10)

1. Kiivs'kiy naukovo-doslidniy rentgen-radio-onkologichniy institut.

- (GENITALIA, FEMALE, neoplasms,
blood calcium & potassium in radiother.)
- (BLOOD,
calcium & potassium in female genital cancer in radiother.)
- (CALCIUM, in blood,
in cancer of female genitalia in radiother.)
- (POTASSIUM, in blood,
in cancer of female genitalia in radiother.)
- (RADIOTHERAPY, in various diseases,
cancer of female genitalia, eff. on blood calcium
& potassium)

SHRAMENKO, Aleksandra Ivanovna, kandidat meditsinskikh nauk; SEMENOVA, A.I.,
redaktor; LOKHMATYY, Ye.G., tekhnicheskiiy redaktor

[Protection against radium radiation and substitutes for it in
institutions using radiotherapy] Zashchita ot izlucheniia radiia
i ego zamenitelei v radioterapevticheskikh uchrezhdeniakh. Kiev,
Gos. med. izd-vo USSR, 1956. 30 p. (MIRA 9:12)
(RADIOACTIVITY--SAFETY MEASURES)

VYZHIKOVSKAYA, M.F.; SHRAMENKO, A.I.

New technic in the treatment with radioactive preparations of
cancer of the female genitalia. Med.rad. no.5:62-68 '62.
(MIRA 15:8)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy
khirurgicheskoy apparatury i instrumentov Ministerstva zdravookh-
raneniya SSSR i Kiyevskogo nauchno-issledovatel'skogo rentgeno-
radiologicheskogo i onkologicheskogo instituta.

(RADIOTHERAPY) (GENERATIVE ORGANS, FEMALE--CANCER)

SHRAMENKO, A.I.

Device for determining the length of the vaginal portion of the cervix uteri. Med. rad. 7 no.11:74-75 N'62. (MIRA 16:9)

1. Iz radiologicheskogo otdeleniya onkologicheskoy kliniki Kiyevskogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo i onkologicheskogo instituta.

(RADIOTHERAPY) (UTERUS -TUMORS)
(MEDICAL INSTRUMENTS AND APPARATUS)

SHRAMENKO, Aleksandra Ivanovna; GORODETSKIY, A.A., red.

[Treatment of cancerous diseases with enclosed radioactive preparations] Lechenie rakovykh zabolevanii zakrytymi radioaktivnymi preparatami. Kiev, Zdorov'ia, 1965. 183 p.
(MIRA 18:8)

23320 S,058/61/000/006/014/063
AC01/4101

24.6600 (1057,1482)

AUTHORS: Grizhko, V.M., Sikora, D.I., Shkoda-Uliyanov, V.A., ADRATSKOV, A.D.,
Parlag, A.M. Shramenko, B.I., Fisun, A.N.

TITLE: An attempt to determine cross sections of γ n-reactions in lead by
using a very thick target and a monoenergetic electron beam

PERIODICAL: Referativnyy zhurnal. Fizika, no. 6, 1961, 95, abstract 6E792 ("Dokl.
1 sobshch. Uzhgorodsk. un-t. Ser. fiz.-matem. n.", 1960, no.3, 1-4)

TEXT: The authors discuss preliminary results of calculations of the cross
section of reaction (γ, n) in Pb from the data, obtained by them earlier, on the
yield of photoneutrons from a very thick lead target using a monoenergetic elec-
tron beam (RZhFiz, 1961, 1B471). The authors are of the opinion that the accuracy
of reproducibility of $\sigma(\gamma, n)$ in the region > 15 Mev is by no means worse than
in the region of lower energies. They point out that the method of "difference of
photons", which was applied formerly for calculations of the cross section, yields
the accuracy by 20 - 30% poorer in the region of energies beyond the giant re-
sonance; this can lead to the smoothing out of a possible secondary maximum. The

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23330 S/058/61/000/006/014/063
A001/A101

An attempt to determine cross sections ...

authors conclude that the developed method of determining cross sections is especially effective for detecting secondary maxima in the region of γ -quanta energies higher than 15 Mev. The problem of absolute accuracy of the method remains open in the article.

A. Moiseyev

[Abstracter's note: Complete translation]

Card 2/2

SHRAMENKO, B. I.

26.2.44
26.2.40
AUTHORS:

9376
5/05/00/03/03/00/050
5004/5010

Galkin, V. V., Shkiba, D. G., Sheinvald, I. M.,
Abramov, A. D., Shkizhenko, B. L., Pavlov, A. N.

Determination of the Yield of Photoelectrons from Lead under
the Action of Electrons Having Energies from 10.5 to
20.5 Mev (Method of Thick Absorbers)

PERIODICAL: Zhurnal eksperimental'noi i teoreticheskoy fiziki, 1970,
vol. 50, No. 5, pp. 1910-1913

TEXT: In an earlier publication (Ref. 1) some of the authors have
studied the photoelectron yield from lead under the action of 10.5 Mev
electrons in equilibrium geometry. It was shown that the photoelectron
yield varied with the thickness of the absorber. This dependence was
studied by means of a method based on the measurement of the energy
of infinite thickness and absorption of the photoelectrons by
plates, and compared the results with those of the theory. The
photoelectron yield was determined as a function of the thickness of
the absorber by means of a method based on the measurement of the
photoelectron yield from lead under the action of electrons having
energies from 10.5 to 20.5 Mev. The experimentally determined
dependence is schematically shown in Fig. 1. The dependence of the
photoelectron yield on the thickness of the absorber has a
characteristic shape.

Photoelectrons. The linear accelerator of the Institute of
50 gpa, current pulse duration 1 usec) was used as the source of electrons.
The energy resolution of the apparatus was 0.4%. The electron field was
measured by a dynode counter (Ref. 2) working in the range of linear
response. The number of electrons of the electron stream was
proportional to the number of pulses of the dynode counter.
The measurements were also made with a current of the order of
 10^{-8} a. The counter was calibrated with a standard source of electrons.
The results of the measurements are given in Fig. 2.
It also shows (curve 1 and 3) the photoelectron yield calculated from the
energy balance of the photoelectrons and the energy of the electrons from the
measured data. The agreement is quite good. The photoelectron yield
from lead under the action of 10.5 Mev electrons is approximately
5 times greater than the photoelectron yield from lead under the action of
20.5 Mev electrons. The photoelectron yield from lead under the action of
20.5 Mev electrons is approximately 5 times greater than the photoelectron
yield from lead under the action of 10.5 Mev electrons. In the latter
case, the photoelectron yield is approximately 5 times greater than the
photoelectron yield from lead under the action of 10.5 Mev electrons.

The apparatus was calibrated for absolute energy from the 50 gpa
electron threshold for oxygen and carbon according to an activation method.
The experimental results agree rather well with those of Ref. 3 (the photo-
electron yield from lead under the action of 10.5 Mev electrons is approxi-
mately 5 times greater than the photoelectron yield from lead under the
action of 20.5 Mev electrons). The photoelectron yield from lead under
the action of 20.5 Mev electrons is approximately 5 times greater than the
photoelectron yield from lead under the action of 10.5 Mev electrons. In
the latter case, the photoelectron yield is approximately 5 times greater
than the photoelectron yield from lead under the action of 10.5 Mev electrons.

ASSOCIATION: Pribl.-kuchenskiy Institut Akademii nauk SSSR
Institute of Physics and Technology of the Academy
of Sciences of the USSR, Department of Applied Physics,
University (Pribl.-kuchenskiy Institut Akademii nauk SSSR)
SUBMITTED: August 10, 1970 (University) and December 7, 1970 (Department)
CARD 3/3

SHRAMENKO, B.I.

S/185/62/007/002/003/016
D299/D302

746/10
AUTHORS:

Hryshayev, I.O., Parlah, O.M., Sikora, D.I., Shkoda-Uliyanov, V.O., and Shramenko, B.I.

TITLE:

Determining the principal characteristics of photonuclear reactions of certain chemical elements and their possible use in practice

PERIODICAL: Ukrayins'kyy fizychnyy zhurnal, v. 7, no. 2, 1962, 138 - 143

TEXT: The work was reported to the Ukrainian Conference on the Peaceful Uses of Atomic Energy, Kyiv, March 1961. The determination of the yield and of the cross section of photonuclear reactions as a function of the energy of the incident photons, is important for understanding the interaction mechanism of photons and nuclei. The difficulties encountered in measuring the photoneutron yield and the cross sections are reviewed. These difficulties can be overcome by using thick specimens instead of thin ones, and a monochromatic electron-beam instead of a continuous photon spectrum. In the references, theoretical- and experimental methods were de-
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S/185/82/007/002/003/016
D299/9302

Determining the principal ...

veloped; thereby the Belenkiy-Tamm equilibrium-spectrum was used for calculating the photoneutron yields for thick absorbers (U, Bi, Pb, Cu, Al and C); the calculations involved use of the excitation functions of γ -reactions for these elements, as known at that time; in the case of Pb, these functions differed from investigator to investigator. In order to ascertain the reasons for this discrepancy, the authors investigated the photoneutron yield in Pb, for electron energies of 10.5 to 20.5 Mev. The experiments were conducted at the linear accelerator of the Physicotechnical Institute of the AS UkrRRR. Similar measurements were also carried out by W.C. Barber and W.D. George in the USA (Ref. 14: Phys. Rev., 116, 1551, 1959). The results of Ref. 14 (Op.cit.) were in agreement with the present work, yet the experimental procedure differed somewhat; it is noted that the use of a spectrum, different from the Belenkiy-Tamm spectrum, did not give satisfactory results in Ref. 14 (Op.cit.). Hence the Belenkiy-Tamm spectrum can be successfully used for calculating the photoneutron yield in the energy range under consideration; such calculations, in conjunction with experimental measurements in thick specimens, can be also used for verifying the

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S/133/62/007/002/003/010
1139/D592

Determining the principal ...

cross sections measured by means of thin specimens. The experimental determination of the photoneutron yield in thick specimens is also of practical interest. Two possible fields of application are considered: Protection against neutrons in work with accelerators, and in the design of compact powerful γ -ray generators for prospecting of mineral resources on a large scale. As an example, the identification of oil and water strata is considered, based on the different photoneuclear properties of the respective isotopes. Further, the experimental photoneutron yields from thick specimens, can be used for determining the integral cross-sections of photoneutron reactions; the Belenkiy-Tamm spectrum permits solving the corresponding integral equation without the use of approximate methods. There are 2 figures, 1 table and 24 references: 15 Soviet-bloc and 9 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: L. Katz, A.G.W. Cameron, Can. J. Phys., 29, 518, 1958; K.L. Brown and G.W. Tautfest, Rev. Sci. Instr., 27, 696, 1956; M. Elaine Toms, E. Stephens, Phys. Rev., 108, 77, 1957; W.C. Barber, W.D. George, Phys. Rev., 116, 1551, 1959.

Card 3/4

Determining the principal ...

U/101/03/001/003/016
527/0362

ASSOCIATION: Ushhoreds'kyy derzhuniverosytet (Ushhored State Uni-
versity): fizyko-tekhnichnyy instytut (Physicotechni-
cal Institute), Kharkiv

SUBMITTED: May 4, 1961

Card 4/4

GRISHAYEV, I.A. [Hryshaiev, I.O.]; DEM'YANOV, A.V. [Dem'ianov, O.V.];
SIKORA, D.I.; SHRAMENKO, B.I.

Efficiency of a secondary emission monitor in the 15-70 Mev.
energy range. Ukr. fiz. zhur. 8 no.9:1029-1030 S '63.
(MIRA 17:8)

1. Fiziko-tehnicheskiy institut AN UkrSSR, Khar'kov.

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

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

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

L 26920-65 ENT(m) DIAAP DM
ACCESSION NR: AP5004001

S/0089/65/018/001/0028/0033

AUTHORS: Grishayev, I. A.; Sikora, D. I.; Shkoda-Ul'yanov, V. A.;
Shramenko, B. I.

3/
16
B

TITLE: Measurement of the ¹⁹photoneutron yield from copper and water targets of large thickness, and determination of the excitation functions of the (Gamma, n) reactions for O¹⁶ and Cu⁶³ with the aid of the Belen'kiy-Tamm equilibrium photon spectrum

SOURCE: Atomnaya energiya, v. 18, no. 1, 1965, 28-33

TOPIC TAGS: photoneutron yield, excitation function, gamma neutron reaction, neutron reaction, photon spectrum, oxygen, copper

ABSTRACT: The photoneutron yield from samples of copper and water of practically infinite thickness, induced by electrons with energies up to 66 MeV, were measured with a secondary-emission monitor consisting of two stacks of aluminum foils of equal thickness (2.7

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ACCESSION NR: AP5004001

mg/cm²), each containing 10 foils 40 mm in diameter. The purpose of the experiment was to compare the resultant yield, obtained with a target thick enough to absorb completely the photons that are active in the (γ, n) reaction with the photoneutron yield calculated by the cascade theory using the known cross section of the (γ, n) reaction in the investigated nucleus. Conversely, from the experimental value of the photoneutron yield it is possible to calculate the cross section of the (γ, n) reaction and compare it to the values obtained by other methods where the results of the cascade theory are not employed. The monoenergetic bombarding electrons were obtained from the linear accelerator of the Fiziko-tekhnicheskiy institut (Physicotechnical Institute) AN UkrSSR. The data obtained, using electron energies up to 66 MeV, on photoneutrons produced in water by the (γ, n) reaction in O^{16} , show that the use of the equilibrium spectrum of photons is justified in the case of light elements. On the basis of these data and of the Belen'kiy-Tamm theory as developed in earlier papers by one of the authors (Shkoda-Ul'yanov, Collection:

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L 26920-65

ACCESSION NR: AP5004001

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"Nekotoryye problemy sovremennoy fiziki yadra i elementarnykh chas-tits [Some Problems of Modern Physics of the Nucleus and of Elementary Particles], L'vov, State University Press, 1957, p. 89 and p. 55), are used to calculate the excitation functions of (γ , n) reactions for O^{16} and Cu^{63} . Results are compared with data by other authors, obtained with thin samples irradiated by bremsstrahlung gamma quanta, and are found to agree with the latter. It is noted in conclusion that in addition, the excitation functions of (γ , n) reactions in Cu^{63} , obtained by various methods from data on the photon-neutron yield from thick samples in the giant-resonance region, are in reasonable accordance with each other. "The authors thank all the co-workers of the Fiziko-tekhnicheskiy institut (Physico-technical Institute) AN UkrSSR and the Department of Nuclear Physics of the Uzhgorod State University, who participated in the preparation, setup, and discussion of the experiments described, and also in the calculations, especially to A. K. Val'ter, V. I. Gol'danskiy, A. A. Krasnikov, V. V. Petrenko, G. L. Fursova, I. K. Nad', L. A.

Card

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L 26920-65
ACCESSION NR: AP5004001

7

Shabalin, A. E. Kost', A. M. Parlaga, N. P. Mazyukevich, M. P. Lorikyan, P. A. Medvedkov, and V. I. Startsev." Orig. art. has:
8 figures.

ASSOCIATION: None

SUBMITTED: 18Nov63

ENCL: 00

SUB CODE: NP

NR REF SOV: 004

OTHER: 013

Card

4/4

ORISHAYEV, I.A.; SILOVA, D.I.; SHKODA-ILYANOV, V.A.; SHRAMENKO, B.I.

Measuring the yield of photoneutrons from copper and water targets of great thickness and determining the excitation functions of (γ, n) reactions for O^{16} and Cu^{63} with the aid of the Belenkiy-Bann equilibrium spectrum of photons. Atom. energ. 18 no.1:28-33 (1964) 16-17

1. SHRAMENKO, L.I.
2. USSR (600)
4. Coal-Bogoslovskiy Deposit
7. Spore composition of the class C Coal bed of the Bogoslovskiy deposits.
(Abstract." Izv. Glav. upr. geol. fon. no. 2. 1947

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

SHRAMENKO, V.M., 1928.

Economic efficiency of the use of polymer materials in the
machinery industry. Mashinostroenie no.38103-105 My-Je '65.
(MIRA 1846)

KOVALEVSKIY, Andrey Petrovich, doktor istoricheskikh nauk, professor;
SHRAMKO, B.A., kandidat istoricheskikh nauk, dotsent, otvetstvennyy
redaktor; LIMANOVA, M.I., tekhnicheskiy redaktor

[The book of Akhmed Ibn-Fadlan about his travels on the Volga in
921 and 922; articles, translations and commentaries] Kniga Akhmeda
Ibn-Fadlana o ego puteshestvii na Volgu v 921-922 gg.; stat'i,
perevody i kommentarii. Khar'kov, Izd-vo Khar'kovskogo gos. univ.
im. A.M.Gor'kogo, 1956. 345 p. (MIRA 10:2)
(Ibn Fadlan, Ahmed, fl.922)
(Volga Valley--Description and travel)

SHRAMKO, B.A.; PETRICHENKO, O.M. [Petrychenko, O.M.]; SOLNTSEV, L.O.;
FOMIN, L.D.

Investigating old-Russian iron articles in the ancient settlement
of Donetskoye. Nar.z ist.tekh. no.7:74-87 '61.

(MIRA15:2)

(Kharkov Province—Excavations(Archaeology))

SHRAMKO, G.

Railroad switches with increased wear resistance. NTO 3 no.8:60
Ag '61. (MIRA 14:9)

1. Zamestitel' predsedatelya soveta Nauchno-tekhnicheskogo
obshchestva Dnepropetrovskogo strelochnogo zavoda.
(Railroads--Switches)

ACCESSION NR: AP4039818

S/0286/64/000/010/0076/0076

AUTHOR: Gafanovich, M.D.; Didenko, K.I.; Abugov, Yu.O.; Shramko, K.N.;
Zagariy, G.I.

TITLE: Contactless proportional-plus-integral controller. Class 42,
No. 162719

SOURCE: Byul. izobr. i tovar. znakov, no. 10, 1964, 76

TOPIC TAGS: controller, contactless controller, proportional controller,
proportional control, proportional plus integral controller, proportional plus
integral control, contactless proportional plus integral controller, automation
control

ABSTRACT: This author's certificate introduces a contactless proportional-plus-
integral controller which consists of an integration device with a unit for
setting the integration time and a proportional unit with a divider and an ampli-
fier (see Fig. 1 of Enclosure). In order to raise the stability of the integra-
tion time and to broaden the limits of adjustment, the unit for setting the
integration time is made in the form of a tuned network frequency divider. A

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ACCESSION NR: AP4039818

variant contains a servomotor connected to the amplifier output and linked through a differential to the frame of a ferrodynamic pickup in the integral so that the proportional-plus-integral action obtained will be in the form of an angle of revolution. Orig. art. has: 1 figure.

ASSOCIATION: none

SUBMITTED: 20May63

ENCL: 01

SUB CODE: IE

NO REF SOV: 000

OTHER: 000

Card 2/3

ACC NR: AP7001824

SOURCE CODE: UR/0119/66/000/012/0012/0014

AUTHOR: Abugov, Yu. O. (Engineer); Gafanovich, M. D. (Engineer); Zagariy, G. I. (Engineer); Shramko, K. N. (Engineer); Didenko, K. I. (Candidate of technical sciences)

ORG: none

TITLE: Proportional-plus-integral regulator with nonlinear integrating action

SOURCE: Priborostroyeniye, no. 12, 1966, 12-14

TOPIC TAGS: nonlinear control system .integration.

ABSTRACT: A proportional-plus-integral regulator serially produced since 1965 is described in which the duration of integration is inversely related to the magnitude of the error signal. The block diagram of the regulator (see Fig. 1) has an analog

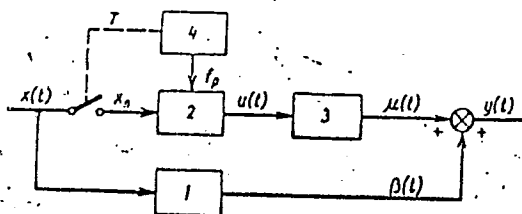


Fig. 1. Nonlinear proportional-plus-integral regulator.

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UDC: 621.3.078

ACC NR: AP7001824

proportional branch (1) and a discrete integral branch which consists of a pulse width modulator with coarse quantization (2) and an integrating reluctance motor (3) in addition to a unit which establishes the integration time. The integrator speeds up integration time considerably if the error signal exceeds 10%. Thus if error is in the ranges $10 \leq x \leq 20\%$, $2 \leq x < 10\%$, and $0.5 \leq x < 2\%$ of the maximum signal, the integration time is correspondingly reduced by 4, 8, and 16 times in comparison to the integration time corresponding to $x > 20\%$. Regulation time is 1.6—2 times less than that required by the linear proportional-plus-integral regulator. The transient process lasts approximately 80 sec as compared to 1300 sec for the linear regulator. The regulator characteristics are: range of gain adjustment, 0.1—50; range of integration time variation, 20—20,000 sec; input and output signals, both 0—2 v, to 50 cps; weight, approximately 12 kg; and size, 280 x 184 x 220 mm. Allowable temperature and humidity ranges are 0—50C and up to 80% respectively. Orig. art. has: 13 formulas and 7 figures. [BD]

SUB CODE: 09/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 001/
ATD PRESS: 5110

Card 2/2

L 31039-65

ACCESSION NR: AP5003052

S/0119/65/000/001/0010/0012

AUTHOR: Abugov, Yu. O.; Gafanovich, M. D.; Didenko, K. I.; Zagariy, G. I.;
Shramko, K. N.

TITLE: Contactless proportional integrating controller

SOURCE: Priborostroyeniye, no. 1, 1965, 10-12

TOPIC TAGS: automatic controller, contactless automatic controller

ABSTRACT: A new contactless controller developed by the authors (see Enclosure 1) includes an electromechanical pulsed-type integrating unit which permits setting the integrating time within 7.5--20,000 sec. The error signal $\Delta E = E_p - E_o$, where E_p and E_o are the input parameter and reference voltages, respectively, is applied to voltage amplifier 3. The amplified error signal is fed to power-amplifying phase-sensitive device 4, proportioning circuit 5, and divider 6. The proportioning circuit converts the input signal into constant-

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B

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L 31039-65

ACCESSION NR: AP5003052

height square pulses whose duration is proportional to ΔE . The proportioning circuit is timed by adjustable power-supply-frequency divider 7. Device 4 controls capacitor motor 8 which, via a reducing gear, turns the coil of ferro-dynamic converter 9. The above components are described in some detail. The claimed characteristics are: error, 1%; controller gain, 0.1-40; a-c control signal, 25 v; output controlling d-c signal, 25 v; output signal power, 4 w; ambient conditions: 0-50C and humidity up to 80%. Orig. art. has: 5 figures and 8 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 01

SUB CODE: IE, EC

NO REF SOV: 003

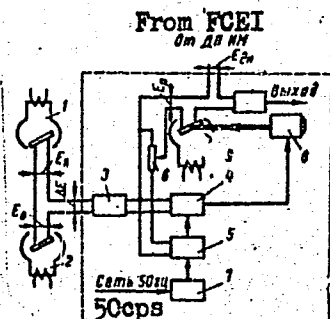
OTHER: 000

Card 2/3

L 31039-65

ACCESSION NR: AF5003052

ENCLOSURE: 1



A contactless proportional integrating controller

FCEI final control element indicator

Card 3/3

DIDENKO, K.I., kand. tekhn. nauk; GAFANOVICH, M.D.; ZAGARIY, G.I.; ABUGOV,
Yu.D.; SHRAMKO, K.N.

Electric regulator of a ferrodynamic system. Avt. i prib. no.4:
64-66 3-D '64 (MIRA 18:2)

VASIL'YEV, V.G.; IVANOV, A.P.; VOSTRYAKOV, O.I.; SHMITEL'SKIY, V.N.;
GAFANOVICH, M.D.; DIDENKO, K.I.; ABUGOV, Yu.O.; SHRAMKO, K.N.;
ZAGARIY, G.I.; DUDCHENKO-DUDKO, V.M.; NIKULIN, Yu.Ya.;
YEFIMOV, Yu.N.; BYKOV, V.L.

Inventions. Avt. i prib. no.4:73-74 O-D '64 (MIRA 18:2)

SHRAMKO, I.

Practica in mixed-brigade labor organization. Biul.nauch.
inform.: trud i zar. plata 5 no.3:39-41 '62. (MIRA 15:3)
(White Russia--Rubber industry)

SHRAMKO, I.B.

Complete automation of tubular rotary kilns. TSvet. met. 36
no.10:41-50 0 '63. (MIRA 16:12)

ABUGOV, Yu.O.; GAFANOVICH, M.D.; DIDENKO, K.I.; ZAGARIY, G.I.; SHRAMKO, K.N.

Noncontact proportional integral controller. Priborostroenie
no.1:10-12 Ja '65. (MIRA 18:3)

BEREZOVSKIY, B.A.; BYKOVA, R.T.; GRIGOROVICH, Ye.V.; KAPITOVA, R.M.; SHRAMKO, L.I.

Treatment of tuberculosis with pthivazid. Vrach.delo no.12:1307
D '56. (MIRA 12:10)

1. Kafedra fakul'tetskoy terapii (zav. - prof.B.S.Shklyar)
Vinnitskogo meditsinskogo instituta i Vinnitskiy oblastnoy
tuberkuleznyy gosptal'.
(TUBERCULOSIS) (NICOTINIC ACID)

SHRAMKO, L.S.

28(1)

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PHASE I BOOK EXPLOITATION

SOV/3317

Moscow. Vyssheye tekhnicheskoye uchilishche. Kafedry "Avtomatika i telemekhanika"

Sistemy avtomaticheskogo regulirovaniya i upravleniya; nekotoryye voprosy teorii i tekhniki (Automatic Regulating and Control Systems; Some Problems in Theory and Technology) Moscow, Mashgiz, 1959. 166 p. (Series: Its Trudy, sbornik no. 97) 7,600 copies printed.

Ed.: V.K. Titov, Candidate of Technical Sciences; Tech. Ed.: Z.I. Chernova; Managing Ed. for Literature on Machine Building and Instrument Making (Mashgiz): N.V. Pokrovskiy, Engineer.

PURPOSE: The book is intended for teachers in schools of higher education, and for engineers and technicians engaged in problems of automation.

COVERAGE: This collection contains articles on the theory and technique of automatic regulation and control. The problems discussed concern calculation of optimum parameters of low-power servomechanisms, correction of a-c systems and systems of automatic regulation with a delay unit, and the construction of self-adjusting a-c systems. Several methods of improving the dynamic properties of servomechanisms, and methods of approximate investigation of pulse servo-

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