

LUBONSKI, Jan

Hypersonic, plane Couette flow in rarefied gas. Archiw mech 14
no. 3/4: 553-560.

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

LUBOR, DAVID

CZECHOSLOVAKIA/Physical Chemistry - Some Questions Concerning
Subatomic Structure of Matter.

B-2

Abs Jour : Ref Zhur - Khimiya, No 5, 1958, 13451

Author : Lubor, David.

Inst : -

Title : Supplement to Antiproton Scheme of -Disintegration.

Orig Pub : Ceskosl. casopis fys., 1957, No 3, 2 48-249

Abstract : The possible schemes of β -disintegration of nucleons and antinucleons are written down taking into consideration the spin preservation and assuming that the neutrino spin is equal to $\frac{1}{2}$, and antineutrino spin is equal $-\frac{1}{2}$.

Card 1/1

~~DAVID LUBOR~~ LUBOR, DAVID.

CZECHOSLOVAKIA/Nuclear Physics - Structure and Properties of Nuclei C-4

APPROVED FOR RELEASE: 04/03/2001 CIA-RDP86-00513R001030710011-7"

Abs Jour : Ref Zhur - Fizika, No 1, 1958, 448

Author : David Lubor

Inst : Institute of Nuclear Physics, Czechoslovak, Prague,
Czechoslovakia.

Title : Supplement to the Antiproton Scheme of Beta Decay.

Orig Pub : Ceskosl. casop. fys., 1957, 7, No 3, 248-249

Abstract : The author gives the possible schemes of beta decay of nucleons and antinucleons with allowance for the conservation of the spin and under the assumption that the spin of the neutrino is $1/2$ and that of the anti-neutrino is $-1/2$.

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Card : 1/1

LUBORADZKI, L. : MAKOWKI, S. JELENSKI, E.

Cost of transportation. p. 114 ZAGADNIENIA EKONOMIKI ROLNEJ.

Warszawa. Vol 5, No. 1, Jan. 1956

SOURCE: East European Accession List (EEAL) LC Vol 5, No. 3, March 1956

LUBORADZKI, S. : MAKIŃSKI, S. : JELEŃSKI, E.

Production cost of certain plants. P. 121 ZAGADNIENIA EKONOMIKI ROLNEJ.
Warszawa. Vol. 5, No. 1, Jan 1956

SOURCE: East European Accession List (EEAL) LC Vol. 5, No. 3, March 1956

LUBORADZKI, S. MAKOWSKI, S. JELENSKI. E.

Production cost of rye related to rotation p. 125

ZAGADNIENIA EKONOMIKI ROLENJ. Warszawa. Vol. 5, No 1, Jan 1956

SOURCE: East European Accession List (EEAL) LC Vol. 5, No. 3, March 1956

IURCZADZKI, S. MAKOWSKI, S. JELENSKI,

Calculating the production cost of a liter of milk. p. 127

ZAGADNIENIA EKONOMIKI ROLNI. Warszawa Vol. 5, No. 1, Jan. 1956

SOURCE: East European Accession List (EEAL) LC Vol 5, No. 3, March 1956

LUBORADZKI, S. MAKONSKI, S. JELENSKI, E.

In fluence of the feeding of cattle on the economic returns of a farm.
p. 133 ZAGADNIENIA EKONOMIKI ROLNEJ. Warszawa Vol 5, No. 1, 1956

SOURCE: East Europe an Accession List (EEAL) LC Vol. 5, no. 3, March 1956

LUBOS, J.

Conditions of a proper organization of building new mines in the light of practical experiences. p. 161.

PRZEGLAD GORNICZY. Katowice, Poland, Vol. 5, no. 4, Apr. 1959.

Monthly List of East European Accessions (EEAI), IC, Vol. 8, no. 9, September, 1959.
Uncl.

LUBOS, Jozef, mgr inz.

Never enough care in serving electric installations.
Wiadom gorn 13 no.7/8:257-258 J1-Ag '62.

LUBOS, Jozef, mgr inż.

Selected problems of labor safety and hygiene. Wiadom gorn
13 no.10:363-365 0 '62.

LUBOS, Jozef, mgr inz.

Methods of evaluating underground power management. Przegl gorn 19
no.1:36-38 Ja '63.

LUBOS, Jozef, mgr inz.

Rescuing persons injured by electric shock. Wiadom gorn 13
no.9:320-321 S '62.

*

LUBOS, Zbigniew

Stabilization of the refractive index in optical glass. Szklo 12 no.10:
297-301 0 '61.

KOCHETKOV, N.K.; SOKOLOV, S.D.; LUBOSHNIKOVA, V.M.

Isoxazole series. Part 13: Certain reactions of 3,5-dimethyl-4-nitroisoxazole. Zhur.ob.khim. 32 no.6:1778-1785 Je '62. (MIRA 15:6)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Isoxazole)

IUBOTSKAYA-ROSSEL'S, Ye.M.

[Prevention of neuropsychic aberrations in students; practice of a
children's psychoneurologist] Profilaktika nervno-psikhicheskikh
otklonenii u uchashchikhsia; opyt raboty detskogo psikhonevrologa.
Moskva, Medgiz, 1957. 121 p. (MIRA 11:5)
(MENTAL HYGIENE)

RYABOV, N.A., vrach; VARIN, I.Ye., vrach; ARKHANGEL'SKIY, V.N., prof.;
LUBOTSKAYA-ROSSEL'S, Ye.M., vrach; BELETSKIY, V.G., dotsent
(Smolensk); UKRAN, M.L., dotsent; USTINOV, S.D., starshiy
prepodavatel' gimnastiki

Health hints. Zdarov'e 9 no.2:30-31 F '63.
(HYGIENE)

(MIRA 16:3)

LUBOTSKAYA-ROSSEL'S, Yelizaveta Mikhaylovna; YUR'YEVA, O.P., red.;
PRONINA, N.D., tekhn. red.

[Prevention of neuropsychic deviations in schoolchildren]
Profilaktika nervno-psikhicheskikh otkloneni u uchashchikh-
sia. Izd.2., perer. i dop. Moskva, Medgiz, 1963. 169 p.
(MIRA 16:7)

(HANDICAPPED CHILDREN) (NEUROPSYCHIATRY)

LUBCTSKIY, A.V., aspirant

Orthopedic aid following a resection of the maxilla. Trudy TSIU
64:246-251 '63. (MIRA 17:5)

LUBOTSKAYA-ROSSEL'S, Yelizaveta Mikhaylovna; SOKOLOVA, L.K., red.

[Alcohol and children] Alkogol' i deti. Moskva, Meditsina,
1965. 74 p. (MIRA 18:12)

LUBOTSKIY, A.V.

Characteristics of jaw prosthesis used in surgery for malignant tumors of the upper jaw. Trudy TSIU 62:55-61 '63.

(MIRA 18:3)

1. Kafedra chelyustno-litsevoy khirurgii (zav. prof. N.M. Mikhel'son)
TSentral'nogo instituta usovershenstvovaniya vrachey.

LUBOTSKIY, D.N.

~~CONFIDENTIAL~~
N.I.Pirogov's priority in topography of the extremities. Khirurgiia,
(CIML 20:5)
Moskva No.12:11-22 Dec 50.

1. Of the Department of Operative Surgery and Topographic Anatomy
(Head--Prof.V.V.Kovanov, First Moscow Order of Lenin Medical In-
stitute, Moscow.

KOVANOV, V.V.; LUBOTSKIY, D.N.

N.I.Pirogov, great Russian clinician and experimenter. Klin.
med., Moskva 28 no.12:5-14 Dec 50. (GIML 20:5)

1. Of the Department of Operative Surgery and Topographical Anatomy (Head--Prof.V.V.Kovanov), First Moscow Order of Lenin Medical Institute, Moscow.

LUBOTSKIY, D.N.

Topography of areas of cellular tissue of the face according to
N. I. Pirogov. Khirurgiia, Moskva no. 12:18-30 Dec 1952. (CIML 23:3)

1. Candidate Medical Sciences. 2. Of the Department of Operative
Surgery and Topographic Anatomy (Head -- Prof. V. V. Kovanov), First
Moscow Order of Lenin Medical Institute.

1. LUBOTSKIY D. N.

2. USSR (600)

4. Nervous system

7. N. I. Pirogov's priority in the field of topography of the brain and spine; 100th anniversary of publication of separate chapters of "Anatome topographica."
Arkhiy anat. gist. i embr. 29 No 5. '52

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

LUBOTSKIY D.N.
PIROGOV, Nikolay Ivanovich, 1810-1881; KOVANOV, V.V.; LUBOTSKIY, D.N.

[Selected tables on topographical anatomy] Izbrannye tablitsy po
topograficheskoi anatomii. Sostaviteli: V.V.Kovanov, D.N.Lubotskii.
Moskva, Meduchposobie, 1953 (MLRA 7:11)
(Anatomy, Human--Atlases)

LUBOTSKIY, D.N.

LUBOTSKIY, D.N.

[Fundamentals of topographic anatomy] Osnovy topograficheskoi anatomii.
Moskva, Medgiz, 1953. 646 p. (MLRA 7:7)
(Anatomy, Surgical and topographical)

LUBOTSKIY, D.N.

Priority of N. I. Pirogov in description of topography of the ear, throat, and nose. Vest. otorinolar., Moskva 15 no. 1:3-12 Jan-Feb 1953. (GIML 24:1)

1. Candidate Medical Sciences. 2. Of the Department of Operative Surgery and Topographic Anatomy (Head--Prof. V. V. Kovanov), First Moscow Order of Lenin Institute.

~~LUBOTSKIY, D.N.~~

Problems of collateral circulation in the works of N.I.Pirogov.
Khirurgia 32 no.11:76-79 N '56. (MLRA 10:3)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii
I Moskovskogo ordena Lenina meditsinskogo instituta (zav. - prof.
V.V.Kovanov)

(BLOOD CIRCULATION

collateral, contribution of N.I.Pirogov)
(PIROGOV, NIKOLAI IVANVICH, 1810-1881)

LUBOTSKIY, D.N.

Reply to M.S.Spirov's review, published in No.4 (1955) of
"Arkhiv anatomii, gistologii i embriologii." Arkh.anat.gist.
i embr. 33 no.3:90-93 J1-S '56. (MIRA 12:11)
(ANATOMY, SURGICAL AND TOPOGRAPHICAL)
(SPIROV, M.S.)

LUBOTSKIY, D.N., dotsent (Moskva)

Course of the fascia of the neck; concerning the article of E.V. Serova "Fascia of the neck in the light of N.I. Pirogov's teaching," Khirurgiia, no. 4, 1958. Khirurgiia 35 no. 5:146-149 My '59.
(MIRA 13:10)

(NECK) (FASCIAE (ANATOMY)) (SEROVA E.V.)

LUBOTSKIY, D.N. (Moskva, G-21, Komsomol'skiy pr., d.14/1, kv.74)

Comments on the problem of anatomical terminology. Arkh.anat.gist.1
embr. 37 no.9:117-123 S '59. (MIRA 13:1)
(ANATOMY)
(NOMENCLATURE)

LUBOTSKIY, D.N. (Moskva)

Concerning a little-known critique on an experimental surgical
investigation of N.I. Pirogov. Nov.khir.arkh. no.6:108-109
N-D '59. (MIRA 13:4)

(PIROGOV, NIKOLAI IVANOVICH, 1810-1881)

PIROGOV, Nikolay Ivanovich [deceased]; GESELEVICH, A.M., prof.; RUFANOV, I.G., prof., otv.red., red.toma; BAKULEV, A.N., red.; VISHNEVSKIY, A.A., red.; DAVYDOVSKIY, I.V., red.; KORNEYEV, V.M., red.; KOCHERGIN, I.G., red.; KROTKOV, F.G., red.; MAKSIMENKOV, A.N., red.; PETROV, B.D., red.; SEMEKA, S.A., dotsent, red., retsenzent toma; FAYERMAN, I.L., zaslushennyy deyatel' nauki, retsenzent toma; LUBOTSKIY, D.N., red.; BEL'CHIKOVA, Yu.S., tekhn.red.

[Collected works in eight volumes] Sobranie sochinenii v vos'mi tomakh. Moskva, Gos.izd-vo med.lit-ry. Vol.2. [Works on clinical surgery, 1837-1839] Trudy po klinicheskoi khirurgii, 1837-1839. 1959. 621 p. (MIRA 13:5)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for Rufanov). (SURGERY)

TATARINOV, Vasilii Georgiyevich; LJBOTSKIY, D.N., red.; ZUYEVA, N.K.,
tekhn.red.

[Textbook on human anatomy] Uchebnik anatomii cheloveka.
Izd.2., perer. Moskva, Gos.izd-vo med.lit-ry, 1960. 243 p.
(MIRA 13:8)

(ANATOMY, HUMAN)

LUBOTSKIY, D.N., dotsent (Moskva)

Role of N.I. Pirogov in the development of Russian and world medical
science. Fel'd. i akush. 25 no. 12; 33-38 D '60. (MIRA 13:12)
(PIROGOV, NIKOLAI IVANOVICH, 1810-1881)

OSTROVERKHOV, G.Ye.; LUBOTSKIY, D.N.

Anatomical material in the volumes already issued of the second
edition of the Large Medical Encyclopedia. Arkh. anat. gist. 1
embr. 38 no. 5:104-109 My '60. (MIRA 14:2)
(ANATOMY) (MEDICINE—DICTIONARIES)

LUBOTSKIY, D.N. (Moskva, G-21, Komsomol'skiy prospekt, 14/1, kv.74)

"Applied and topographical anatomy" by G.Toendury. Reviewed by
D.N.Lubotskii. Arkh. anat. gist. i embr. 39 no.8:117-120 Ag '60.
(MIRA 13:11)

(ANATOMY, SURGICAL AND TOPOGRAPHICAL)
(TOENDURY, G.)

LUBOTSKIY, D.N. (Moskva, G-21, Komsomol'skiy pr., 14/I, kv.74)

"Bases of anatomy" by Kurt Alverdes. Reviewed by D.N.Lubotskii.
Arkh. anat. gist. i embr. 40 no.6:109-111 Je '61. (MIRA 15:2)
(ANATOMY, HUMAN) (ALVERDES, KURT)

KOVANOV, Vladimir Vasil'yevich; TRAVIN, Anatoliy Afanas'yevich;
LUBOTSKIY, D.N., red.

[Surgical anatomy of the lower extremities] Khirurgicheskaia anatomia nizhnikh konechnostei. Moskva, Medgiz, 1963. 565 p. (MIRA 17:9)

OSTROVERKHOV, Georgiy Yefimovich; LUBOTSKIY, David Naumovich;
BOMASH, Yuliy Maksimovich; MOVSHOVICH, I.A., red.; LOPUKHIN,
Yu.M., red.; LYUDKOVSKAYA, N.I., tekhn. red.

[Course of operative surgery and topographical anatomy] Kurs
operativnoi khirurgii i topograficheskoi anatomii. [By]G.E.
Ostroverkhov, D.N.Lubotskii, IU.M.Bomash. Moskva, Medgiz,
1963. 739 p. (MIRA 16:3)

(SURGERY, OPERATIVE)
(ANATOMY, SURGICAL AND TOPOGRAPHICAL)

MOVSHOVICH, Il'ya Aronovich; LUBOTSKIY, E.N., red.

[scoliosis; surgical anatomy and pathogenesis] Skolioz;
khirurgicheskaya anatomiya i patogenez. Moskva, Meditsina,
1964. 254 p. (MIRA 17:7)

LUBOTSKIY, D.N. (Moskva, G-21, Komsomol'skiy prospekt, 14/1, kv. 74)

"Topographical anatomy " by Ferenc Kiss. Reviewed by D.N.
Lubotskii. Arkh. anat. gist. i embr. 45 no.9:122-126 S'63
(MIRA 17:3)

LUBOTSKIY, D.N. (Leningrad)

Review of E.M.Margorin's book "Viktor Nikolaevich Shevkunenko."
(1872-1952). Vest. khir. 91 no.11:151-152 N '63.

(MIRA 17:12)

MIKHAYLOV, Sergey Sergeevich; LUBOTSKIY, D.N., red.

[Arteriovenous caroticocavernous aneurysms] Arterio-
venoznye sonno-peshcheristye anevrizmy. Moskva, Me-
ditsina, 1965. 230 p. (MIRA 18:7)

06641-65

SESSION NO: AT4049229

Kordonskiy at the 4th Mathematical Congress in 1961. This paper only considers linear wear, this being wear at a constant average rate. Linear wear is found to be a stable process with rapidly diminishing correlations. The system illustrated in the figure is a simple system. A more complicated system would be more difficult to analyze.

... of the causes and types of wear ...

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1041405
ACCESSION NR: AT4049229

ASSOCIATION: None

SUBMITTED: 00

ENCL: 02

SUB CODE: IE

NO REF SOV: 006

OTHER: 000

Date 3/5

SESSION NR: AT4049229

ENG. DRAWING. 01

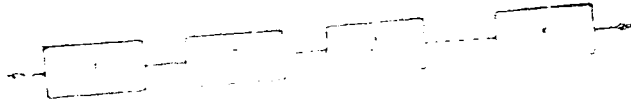


Fig. 1. Chain system: 1, 2, 3- links.

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ASPECT SIX ATTACHED

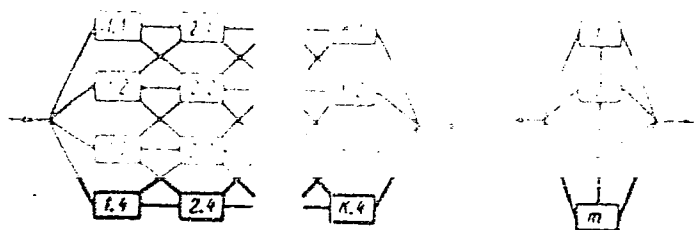


Fig. 2. Network system.

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L 25514-66 EWT(d)/EWT(1)/EWP(v)/EWP(c)/T/EWP(k)/EWP(h)/EWA(h)/ETC(m)-6/EWP(1)

ACC NR: ARG008991 IJP(c) TG SOURCE CODE: UR/0271/65/000/010/A002/A002

AUTHOR: Lubotskiy, L. D.TITLE: Reliability of automatic production and stability of a technological process

SOURCE: Ref. zh. Avtomat. telemekh. i vychisl. tekhn., Abs. 10A8

REF SOURCE: Uch. zap. Rzhsk. politekhn. in-t, v. 15, 1964, 33-34

TOPIC TAGS: industrial automation, reliability theory, control statistics, distribution function

ABSTRACT: The most important factor influencing the reliability of products is the quality of their preparation. To adjust a technological process it is necessary to carry out a statistical analysis of its accuracy and stability. Problems involving accuracy and stability of automatized processes are analyzed, using as an example a process whose results are represented by the linear dimensions of the articles. The instantaneous distribution of the dimensions of the articles is assumed to be normal. The technological process is assumed to be perfectly stable if the mathematical expectation $a(t)$ and the mean square deviation $\sigma(t)$ are constant. The process is assumed to be stable in adjustment if $a(t) = \text{const}$, and stable in accuracy if $\sigma(t) = \text{const}$. The variation of $a(t)$ and $\sigma(t)$ is brought about by the wear of the equipment and of the tools. A condition is formulated under which the adjustment of $a(t)$ and $\sigma(t)$ can yield satisfactory accuracy of the process. A method is proposed for disclosing asymmetry in the instantaneous distribution of the errors based on the

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UDC: 62.002.019.3

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ACC NR: AR6008991

use of positive and negative swings calculated from data of running samples. To investigate the stability of the process, the author considers an inversion method which does not depend on the form of the distribution function of the sample characteristics. 2 illustrations, 3 tables. Bibliography of 10 titles. I. N. [Translation of abstract]

SUB CODE: 13

Card 2/2

99

LUBOTSHIY , L.M., ENG.

Electric Meters

Portable equipment for electric measurements. Prom energ. 9 No. 9, 1952

9. Monthly List of Russian Accessions, Library of Congress, December 195~~2~~⁷² Uncl.

1. LUBOTSKIY, L. M.
2. USSR (600)
4. Shturman, G. I.
7. Remarks to G. I. Shturman's article "Disconnected squirrel cages in short circuited asynchronous motors", *Elektrichestvo*, No. 11, 1952.

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

LUBOV, B. Ya

Computation of the Rate of Solidification of an Ingot, Taking into Account the Temperature Dependence of the Thermophysical Parameters of the Metal. B. Ya. Lubov. (*Doklady Akademii Nauk S.S.S.R.*, 1953, 82, 744, 763-766; *National Science Foundation Translation* 227, Feb., 1954). In order to compute more accurately the rate of advance of the crystallization front during solidification of a metal ingot a method of determining the dependence of thermal conductivity and heat capacity of a solid metal on the absolute temperature is presented.

1. LUBOV, V. G.; PETROV, N. A.
2. USSR (600)
4. Screens
7. Konakovskiy M. I. Kalinin faience plant. Vibrating screen for screening fine ceramic and glazing materials. Stek. i ker., 9, No. 9, 1952.

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

LUBOV V.M.

FAL'KEVICH, A.S., kandidat tekhnicheskikh nauk; KISLYUK, F.I., doktor tekhnicheskikh nauk; USENKO, Yu.V.; LUBOV, V.M.

Magnetographic quality control method of welded structures. Svar.
proizv. no.7:10-12 JI '55. (MIRA 8:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut Stroyneft'.
(Welding-Testing) (Magnetic testing)

LUBOV, V.M.

FAL'KEVICH, A.S., kandidat tekhnicheskikh nauk; KISLYUK, F.I., doktor tekhnicheskikh nauk; LUBOV, V.M., inzhener; USENKO, Yu.V., inzhener.

Developing and investigating a magnetographic method used for the quality control of welded joints. Trudy VNIISTROINEFT' no.7:75-85 '56. (MLRA 9:11)

(Welding--Quality control)

LUBOV, V.M.

135-7-8/16

SUBJECT: USSR/Welding

AUTHORS: Fal'kevich, A.S., Candidate of Technical Sciences; Usenko, Yu.V. Engineer, and Lubov, V.M., Engineer.

TITLE: Magnetographic Inspection of Welded Joints. (Magnitograficheskiy kontrol' svarnykh soyedineniy).

PERIODICAL: "Svarochnoye Proizvodstvo", 1957, # 7, pp 20-22 (USSR).

ABSTRACT: In 1955-56 the welding laboratory of VNIISTroyneft' developed a method and equipment for magnetographic inspection of welded joints on pipelines and vessels, which is described in the following.

Basically, the magnetographic defectoscope consists of two parts: a tape moving mechanism with a reproducing head and an erasing head, an amplifier, a cathode ray tube, a high-frequency generator for feeding the erasing head, and a defect indicator in the form of a neon lamp with a definite ignition barrier.

The essence of the method is the registration of welding defects on a 35 mm wide ferromagnetic tape placed directly on the welding seam. Two different magnetizing systems are recommended: 1)

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TITLE: Magnetographic Inspection of Welded Joints. (Magnitograficheskiy kontrol' svarykh soyedineniy).

magnetizing across the joint by an electric "AM-4" disc-magnet and 2) magnetizing of pipe-butts by instantaneous discharge of condensers into a multi-coil solenoid laid around the pipe on the ferromagnetic tape. The first device weighs 9 kg, is small, and can be used in any position on welding seams, on sheet constructions as well as on pipelines. Power may be taken from a 24 V battery, from a rectifier, or from a d.c. welding generator. The second device - with flexible solenoid - works with a 12V battery and a discharge aggregate. The condensers and the transformer of the discharge aggregate are mounted in a case weighing 5 kg.

In metal up to 12 mm thickness, the ferromagnetic tape clearly shows all longitudinal macroscopic cracks of any size, the majority of the cross cracks, voids left in the root of the seams if they exceed 5-7 % depth, slag inclusions and accumulation of gas pores. Cross cracks are revealed relatively weakly (which coincide with the direction of magnetic flux), along with single pores, and round slag inclusions. After inspection of a joint, the recording is erased from the tape by the erasing head.

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A reproducing device with a turning magnetic head serves for

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TITLE:

Magnetographic Inspection of Welded Joints. (Magnitograficheskiy kontrol'svarnykh soyedineniy).

qualitative analysis of registered defects. It produces stationary images of impulses of the screen of the cathode ray tube which are characteristic for different defects. For instance, longitudinal cracks produce pointed impulses with a wide amplitude and short duration, slag inclusions give impulses of small amplitude and different shape, etc. A skilled magnetographer can define the nature and the size of defects with sufficient accuracy. The results of X-ray and magnetographic inspection conform nearly completely.

In preliminary experiments the method has been tried on metals with thicknesses of 25 mm and on lap joints. Defects were also detected in lap joints of metal 5 mm thick and in 40 mm long overlapping joints. A disc magnet produced the required induction, but it weighs 60 kg and the magnetizing current is 150 amps.

During 1955-56 the magnetographic method was used experimentally on the construction of the gas pipeline Stavropol' - Moskva, and on other gas pipelines where more than 4000 butt joints were inspected. A certain number of joints were inspected by gamma-rays for comparison. The methods appeared to be equally

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135-7-8/16

TITLE: Magnetographic Inspection of Welded Joints. (Magnitograficheskiy kontrol'svarnykh soyedineniy).

sensitive. Generally, the equipment worked satisfactorily under field conditions. On the average 8 minutes were needed for inspecting (magnetizing, reproduction, and evaluation) one joint of the gas-pipeline Stavropol'-Moskva. The method costs one-tenth that of the radiographic inspection.

The drawbacks of the method are: weak detection of cross cracks, single pores, and round slag inclusions. The evaluation of test results depends on the skill of the operator the test results are not visible during the process of inspection.

The magnetizing and the reproducing equipment must be improved and simplified in the future.

The article contains 3 photographs, 2 sketches, 1 series of magnetograph recordings and 1 table.

ASSOCIATION: "VNIISTroyneft".

PRESENTED BY:

SUBMITTED:

AVAILABLE: At the Library of Congress.

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SOV/32-25-7-26/50

28(5)
AUTHORS:

Fal'kevich, A. S., Lubov, V. M.

TITLE:

Magnetographic Method for the Quality Control of Weld Seams
(Magnitograficheskiy metod kontrolya kachestva svarnykh shvov)

PERIODICAL:

Zavodskaya laboratoriya, 1959, Vol 25, Nr 7, pp 853-856 (USSR)

ABSTRACT:

Yu. V. Usenko and M. Kh. Khusanov took part in designing the apparatus and elaborating the testing technique of the method mentioned in the title. In the course of the last years a magnetographic control method (MM) (Refs 3,4) has been worked out at the welding laboratory (of the Institute mentioned in the Association) which can be used for the welding of natural gas and petroleum pipe lines at 60-70 atm pressure (Refs 1,2). The (MM) is based on fixing the dispersion fields which appear on the defective spots of the surface of magnetized objects. This magnetic leakage is transferred to a magnetic band (M) covering the weld seam and from there it is recorded on to a screen by an electron ray tube in the form of EMF impulses. The type and extent of the material defects can be seen from the amplitude and form of the impulses. The control process of the (MM) consists of magnetizing the weld seam to be investigated,

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Magnetographic Method for the Quality Control of Weld Seams

transferring the magnetic dispersion from (M), and determining the extent of the defects. A two-layer (M), type I (width: 35 mm), is used which serves for sound recording in cinematography. Two types of magnetization can be applied - a transversal or a vertical one. In the first case a disk magnet DM-58 (Fig 3) is used, whereas in the second case a solenoid is used for magnetizing. At present shifts are made along the (M) or transverse to the weld seam, the apparatus VUMD-3 being used in the first case and the apparatus VUMD-7 in the second case. In addition to these two apparatus a model was designed with a rotating head-piece and a static transference of the ray impulses on to the screen of the electron tube. Practice showed that pipelines with pipe walls of 5 to 12 mm can be controlled by the (MM) provided that the surface of the weld seams is not too rough. In addition to the above article, the editors mention the further elaboration of the (MM). There are 5 figures and 5 references, 4 of which are Soviet.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut po stroitel'stvu magistral'nykh truboprovodov (All-Union Scientific Research Institute for the Construction of Main Pipelines)

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A006/A001

AUTHORS: Fal'kevich, A.S., Candidate of Technical Sciences, Lubov, V.M.,
Khusanov, M.Kh., Engineers

TITLE: A New Apparatus and Method For the Magnetographic Inspection of
Welds 14

PERIODICAL: Svarchnoye proizvodstvo, 1960, No. 11, pp. 33-34

TEXT: The magnetographic method of inspecting weld joints developed by VNIIST (Authors' Certificate No. 102537 issued in the names of S.M. Makhover and Yu.V. Usenko) came into use for constructing pipelines due to the series of advantages. Its further expansion, however, was impeded by some deficiencies of the flaw detector and insufficient clearness of the inspection method. For the purpose of improving this, the welding laboratory of VNIIST designed a high-sensitive flaw detector with fixed representation of pulses from the defects on the screen of an electron-ray tube, and developed a new method for the visual observation of magnetic fields. The flaw detector design was based on the principle of transverse reproduction of dispersion fields from the defects with the aid of a rotating drum with magnetic heads. The drum rotating at a speed of

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A New Apparatus and Method For the Magnetographic Inspection of Welds

1,400 rpm is mounted on a motor shaft (Figure 4). The motor is placed at a certain angle in a carriage where the magnetic tape is fixed. It is manually operated in the longitudinal direction along the drum. The main advantages of the design are the possibility of increasing considerably the reproduction speed and consequently the sensitivity of the apparatus. The increased speed makes it possible to obtain a fixed image of the pulse on the screen, since the 46-cycle-oscillations of the scanning are not noticeable to the eye. Simultaneously a new method of magnetographic inspection was developed and tested on an experimental model, producing the visual image of a magnetic field from the defects. The method is efficient, cheap, safe and provides for the required clearness. The results obtained are being used to develop a device for the visual presentation of defects. X

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A New Apparatus and Method For the Magnetographic Inspection of Welds

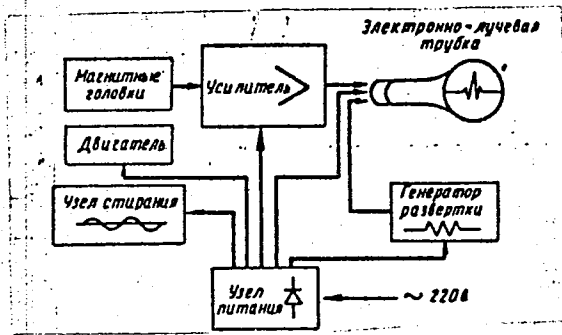


Figure 3. Block diagram of the МД -9 (MD-9) flaw detector

Magnetic heads
Motor
Erase unit

Amplifier
Feed unit

Electron ray tube
Scanning generator
220 v

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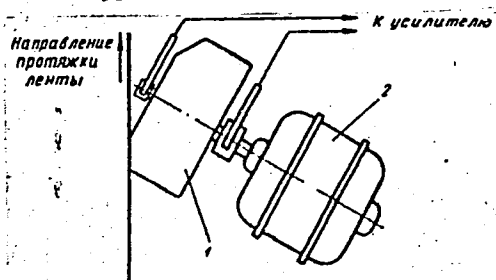


Figure 4. Kinematic system of the MD-9 flaw detector.

4

There are 1 table and 5 figures, and 3 Soviet references.

ASSOCIATION: VNIIST

Card 4/4

FAL'KEVICH, A.S., kand.tekhn.nauk; LUBOV, V.M., inzh.; KHUSANOV, M.Kh.,
inzh.

New equipment and methods of magnetographic testing of weld joints.
Svar. proizvod. no.11:33-34 N '60. (MIRA 13:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tverdykh splavov.
(Welding--Testing) (Magnetic testing)

BUNDEL', Yu.G.; SAVIN, V.A.; LUBOVICH, A.A.

Course of the reaction of acetolysis of cyclopentyl- α H₄² - and
cyclohexyl- α H₂ tosylates. Vest.Mosk.un.Ser.2:Khim. 20 no.3:85-88
My-Je '65. (MIRA 18:8)

1. Kafedra organicheskoy khimii Moskovskogo universiteta.

BUNDEL', Yu.G.; SAVIN, V.A.; LUBOVICH, A.A.; REUTOV, O.A., akademik

Effect of the aqueousness of the medium on the type of hydride transitions and the degree of isomerization in the acetolysis of deuterocyclohexyl-*p*-toluenesulfonates. Dokl. AN SSSR 165 no.5:1078-1080 D '65. (MIRA 19:1)

1. Moskovskiy gosudarstvennyy universitet. Submitted May 28, 1965.

LUBOVICH, V. I. Cand Med Sci -- (diss) ~~Functional condition~~ "Functional condition
of the pancreas (~~of the~~ ^{hypertension.} exocrine function) in ~~cases of hypertensive diseases.~~"
Kiev, 1957. 10 pp (Kiev Order of Labor Red Banner Med Inst im Academician
A. A. Bogomolets), 200 copies (KL, 11-58, 121)

-123-

LUBOVSKIY, K. N.

Name: LUBOVSKIY, K. N.

Dissertation: Deepening the plow furrow in the field crop rotation of the Donbass

Degree: Cand Agr Sci

Defended At
Affiliation: Min Higher Education UkSSR, Odessa Agricultural Inst

Publication
Defense Date, Place: 1956, Voroshilovgrad

Source: Knizhnaya Letopis', No 45, 1956

USSR / Soil Science Tilling. Melioration. Erosion. J

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48680

Author : Lubovskiy, K. N.
Inst : Voroshilov Agricultural Institute
Title : Deepening of the Tillable Layer in Field Crop
Rotation

Orig Pub : Nauchn. zap. Voroshilovgradsk. s.-kh. in-ta,
1956, 4, No 1, 45-48

Abstract : On the usual thin, clayey cherbozems of the
experimental field of the Voroshilov Institute
the following crop yields were obtained with
plowing to the depth of 30 cm compared with the
yields of the same cultures after plowing to
the depth of 20 cm: winter wheat 131.3%, spring
wheat 123.7%, barley 128.4%, sunflower 112.1%,
hay of the perennial grasses 138.3%. Experi-

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USSR / Soil Science Tilling. Melioration. Erosion. J
Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48680

ments were conducted during 1951-1954. -- S. A.
Nikitin

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USSR/Weeds and Weed Control

N

Abs Jour : Ref Zhur - Biol., No 9, 1958, No 39597

Author : Lubovskiy K.N.
Inst : Voroshilovgrad Agricultural Institute
Title : Deep Soil Plowing as a Method of Weed Control

Orig Pub : Zemledeliye, 1957, No 1, 83-85

Abstract : Deep plowing is an effective method of weed control, particularly of that of perennial weeds. In experiments, conducted on chernozem soil on plowing at the depth of 25 cm, the quantity of weeds diminished by 22.99 - 56.2 percent and the weight of their dry mass - by 28.9-32.8 percent on 1 m² of the fallow field in comparison with plowing at the depth of 20 cm. The quantity of weeds diminished by 57.6 -73.3 percent and the weight of their dry mass - by 64.6-76.7 percent when the plowing was deepened to 30 cm. The decrease in quantity of perennial weeds was 22.4 - 43.9 percent in plowing at a depth of 25 cm and 66.7 - 75.4 percent plowing at 30 cm. The sowings of the crop after the 2 nd, third and

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USSR/Weeds and Weed Control

N

Obs Jour : Ref Zhur - Biol., No 9, 1958, No 39597

fourth year of deep plowing were less covered with weeds than the sowings with the usual cultivation at 20 cm. Periodic utilization of deep plowing contributes to a decrease in the clogging of the fields with weeds. These experiments were conducted by the Voroshilovgrad Agricultural Institute . -- S.A. Nikitin.

Card : 2/2

5

LUBOVSKIY, K. N.

AUTHOR: Lubovskiy, K.N., Candidate of Agricultural Sciences 3-2-25/32

TITLE: Determining the Volume Weight of Soil by the Water Displacement Method (Opređeleniye ob'yemnogo vesa pochvy metodom vytesneniya vody)

PERIODICAL: Vestnik vysshey shkoly, Feb 1957, # 2, p 70-71 (USSR)

ABSTRACT: The author expresses the opinion that existing methods of determining the volume weight of soil paraffining and mercury displacement are imperfect. The method offered by the author is a modification of the paraffining method and can be used for establishing the volume weight of soil parcels, pieces of soil building strata, i.e. when it is impossible to cut out a piece of soil of strictly fixed volume. The device to be used for this purpose (shown in the photo) is mounted on a Bunsen base and represents a glass or metal cylinder of 5-7 cm in diameter and 8-10 cm in length with an inverted pyramidal base. The cylinder may be replaced by an ordinary funnel of 120-130 cm³ capacity. The article describes further how the device is to be handled and the soil to be prepared. In conclusion the author asserts that his method enables the quick and exact determination of the volume weight of soil samples. The device is simple, easily handled and can be assembled in any labor-

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3-2-25/32

Determining the Volume Weight of Soil by the Water Displacement Method

atory.

The article contains one photo.

ASSOCIATION: Voroshilovgrad Agricultural Institute (Voroshilovgradskiy sel'skokhozyaystvennyy institut)

AVAILABLE: Library of Congress

Card 2/2

USSR / Soil Science. Physical and Chemical Properties of Soil. J

Abs Jour: Ref Zhur-Biol., No 2, 1959, 6058.

Author : Lubovskiy, K. N.
Inst : Voroshilovgrad Agric. Inst.
Title : A Modification of the Paraffin Method of Determining the Volumetric Weight of Soil.

Orig Pub: Nauchn. zap. Voroshilogradsk. s.-kh. in-ta, 1957, 4, No 2, 55-57.

Abstract: A separating funnel with a capacity of 120-130 ml is joined by a rubber tube to a buret holding 25-50 ml and filled with water until a mark on the control tube with a diameter of 5-7 mm, connected with a T-pipe to the separating funnel. After the paraffined soil samples have been placed into the separating funnel, the water level is

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16

LUBOVSKIY, K.N., kand. sel'skokhoz. nauk; KOVALENKO, A.P.

Apply first-class tillage to winter wheat. *Zemledelie* 26 no.7:32-
34 J1 '64. (MIRA 18:7)

1. Luganskiy sel'skokhozyaystvennyy institut.

USSR / Soil Science Tilling. Melioration. Erosion. J

Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48677

Author : Lubovskiy, N. P.

Inst : Voroshilov Agricultural Institute

Title : A New System of Fall Tillage of the Soil in Arid Regions

Orig Pub : Nauchn. zap. Voroshilovgradsk. s.-kh. in-ta, 1956, 4, No 1, 39-44

Abstract : On the basis of the experiments carried out at the Experimental Training Farm of the Voroshilovⁿ Institute of Agriculture, the following system of fall plowing of ordinary chernozems is recommended: shallow plowing with subsequent deep plowing and with a simultaneous harrowing of the field with heavy harrows. This should be followed by a supplementary cross harrowing,

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USSR / Soil Science Tilling. Melioration. Erosion. J
Abs Jour : Ref Zhur - Biologiya, No 11, 1958, No. 48677

and in the case of a lumpy condition of the soil by rolling the soil with a ring-shaped roller. This method insures the conservation of the soil moisture (18-20% against 10-12% after ordinary tillage). With the new system of fall plowing on the Lenin collective farm in the Rostov" region, a wheat yield of 20 c/ha. was obtained from an area of 300 h compared to 12 c/ha. with ordinary fall plowing under similar soil conditions. -- S. A. Nikitin

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46

LUBOVSKIY, N.P., prof., doktor sel'skokhoz.nauk; MALYKHIN, I.I., kand.
sel'skokhoz.nauk.

Sunflower cultivation in the Donets Basin. Zemledelie 8
no.1:67-73 Ja '60. (MIRA 13:4)
(Donets Basin--Sunflowers)

LUBOVSKIY, V. I.

MEYMAN, L.V.; LUBOVSKIY, V.I.

Method of objective investigation of the function of the auditory
analysor in children with hearing disorders. Vest. oto-rin. 16
no.3:40-46 My-Je '54. (MLRA 7:7)

1. Iz Nauchno-issledovatel'skogo instituta defektologii Akademii
pedagogicheskikh nauk RSFSR.
(HEARING TESTS,
*technic)

LUBOVSKIY, V. I.

LUBOVSKIY, V. I.: - "Some features of the simultaneous operation of the two signal systems in the formation of motor reactions in oligophrenic children". Moscow, 1955. Moscow State U imeni M. V. Lomonosov, Philosophical Faculty, Chair of Psychology. (Dissertation for the Degree of Candidate of Pedagogic Sciences)

SO: Knizhnaya Letopis', No. 40, 1 Oct 55

LUBOVSKIY, V.I.; MESHCHERYAKOV, A.I.

Conference on problems of the physiology and pathophysiology of
higher nervous activity in children. Vop. psikhol. 2 no.5:184-
189 S-0 '56. (MIRA 10:1)
(Child study)

LUBOVSKIY, V.I.

Seventeenth conference on problems of the higher nervous activity. Vop.
psikhol. 3 no.1:185-189 Ja-F '57. (MLRA 10:3)
(Physiology)

LUBOVSKIY, V.I.; MESHCHERYAKOV, A.I.

Conference on problems in morphology, physiology, and
biochemistry as related to age. Vop.psikhol. 3 no.3:180-183
My-Je '57. (MLBA 10:8)
(Age) (Physiology)

LUBOVSKIY, V.I.

Problems in the orientation reflex. Zhur.vys.nerv.deiat. 7 no.3:
466-468 My-Je '57. (MIRA 10:10)
(ORIENTATION)

LUBOVSKIY, V.I.

Conferences of problems in the physiology and pathology of speech.
Vop. psikhol. 4 no.2:184-187 Mr-Apr '58. (MIRA 11:5)
(Speech)

D'YACHKOV, A.I., red.; LUBOVSKIY, V.I., red.; HUMYANTSEVA, I.P., red.;
LAUT, V.G., tekhn.red.

[Transactions of the Second Session on Defectology. Moscow,
1958] Trudy Vtoroi nauchnoi sessii po defektologii. Pod red.
A.I.D'iachkova i V.I.Lubovskogo. Moskva, Izd-vo Akad.pedagog.
nauk RSFSR, 1959. 211 p. (MIRA 13:7)

1. Vtoraya nauchnaya sessiya po defektologii. Moscow, 1958.
2. Institut defektologii Akademii pedagogicheskikh nauk RSFSR
(for D'yachkov).
(Handicapped children)
(Children, Abnormal and backward)

LURIYA, A.R.; PEVZNER, M.S.; ZISLINA, N.N.; VINOGRADOVA, O.S.; LUBOVSKIY,
V.I.; MESHCHERYAKOV, A.I.; MATYUSHKIN, A.M., red.; LAUT, V.G.,
tekhn.red.

[Retarded children; studies on characteristics of the higher
nervous activity of oligophrenic children] Umstvenno otstalyi
rebenok; ocherki izucheniia osobennosti vysshei nervnoi deia-
tel'nosti detei-oligofrenov. Pod red. A.R.Luriiia. Moskva, 1960.
201 p. (MIRA 13:10)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut
defektologii.

(MENTALLY HANDICAPPED CHILDREN)

LUBOVSKIY, V.I. (Moskva); ROZANOVA, T.V. (Moskva)

Fourth session on defectology. Vop.psikhol. no.6:181-184 N-D
'62. (MIRA 16:2)

(Handicapped children--Education)

LUBOVSKIY, V.I., (Dr.)

"The higher nervous activity in mentally retarded children."

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on the Scientific Study of Mental Retardation will be held in
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MYSLIVEC, Theodor; CADEK, Josef; MANDL, Miroslav; VRSEK, Jaroslav;
BRODSKY, I.; LUBOVSKY, M.

Effect of the quality of ceramic runners on the micropurity of steel used for making railway wagon tires. Part 2: Investigation on determining the origin of nonmetallic inclusions in steel by radioactive isotopes. Hut listy 16 no.2:94-102 F '61.

1. Vyzkumny ustav, Vitkovicke zelezarny Klementa Gottwalda, Ostrava (for Myslivec, Brodsky and Lubovsky). 2. Vyzkumny ustav hutnictvi zeleza, Praha (for Cadek, Mandl and Vrsek).

LUBOVSKY, Z., inz.; SKVOR, P., inz.

Mobile and elastic supply leads. Elektrotechnik 19 no.11:
306-308 N '64.

1. Institute of Technical Control, Prague.

LUBOWICKI, Julian, mgr inz.; PENKALA, Barbara, dr.; PACZEK, Kazimierz, mgr

Quality of crushed stone aggregated in the light of the
most recent studies. Techn drog prace 4:23-39'62.

LUBOWIECKA, T.

Ratios of oscillator strengths of spectral lines for the doublets of the sharp series of the arc spectrum of Ga I. Acta physica Pol 25 no.6:849-851 Je '64.

1. Institute of Physics, Jagiellonian University, Krakow.

LUBOWIEDSKI, Jerzy (Bochnia, ul. Solna Gora 29 I. p)

Pneumatesis cystoides intestinalis. Polski przegl. chir. 26
no.6:513-514 Je ' 54.

1. Z chirurgicznego oddzialu Szpitala im. Mikolaja Kopernika w
Bochni.

(INTESTINES, diseases,
*pneumatesis cystoides, surg.)