"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPSZEWICZ, Antoni

C-reactive protein (CRP) in the cerebrospinal fluid. Postepy hig. med. dosw. 18 no.2:257-265 Mr-Ap '64.

1. Z I Kliniki Chorob Zakaznych Akademii Medycznej w Warszawie (Kierownik: doc. dr. K. Rachon).

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPSZEWICZ, Antoni

C-reactive protein (CRP). Postepy hig.med. dosw. 18 no.5:717-728 S-O '64

1. Z I Kliniki Chorob Zakaznych Akademii Medycznej w Warszawie (kierownik: doc. dr. K. Rachon).

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPSZINA, K.

"Over one thousand quintals of fodder cabbage from one hectare." Tr. from the Russian. p. 8 (Plon, Vol. 5, No. 4, Apr. 1954)

SO: Monthly List of ~~Russian~~ East European Accessions, Vol. 3, No. 6 Library of Congress, June 1954 ~~1955~~, Uncl.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

USSR / Cultivated Plants. Grains. Legumes. Tropical Cereals. M-1

Abs Jour : Ref Zhur - Biologiya, No 2, 1959, No. 6240

Author : Lapta, I. A.
Inst : Khar'kov University
Title : The Yield of Corn When the Upper Part of the Stalk is Removed in Various Vegetation Periods

Orig Pub : Uch. Zap. Khar'kovsk. un-t, 1956, 72, 87-90

Abstract : No abstract given

Card 1/1

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTENKO, V.D.

Rapid cutting of soil samples. Meteor.i gidrol. no.10: 54-55 O '56. (MLRA 9:12)

(Soils--Analysis)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

SERGEYEV, V.P.; PLETNEV, B.D.; LAPTENKOV, K.T.

Individual packet for first aid in minor skin injuries. Vrach.delo no.11:1211 N '59. (MIRA 13:4)

1. Cheboksarskiy respublikanskiy kozhno-venerologicheskiy dispanser Ministerstva zdravookhraneniya Chuvashskoy ASSR.
(FIRST AID IN ILLNESS AND INJURY)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTER, Ya. I., inzhener.

Lightweight precast reinforced concrete floors. Zhil.-kom.khoz. 6 no.3:12-13 '56. (MLRA 9:8)
(Lightweight concrete)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTER, Yakub Isakovich, inzh.; PROTSENKO, D.I., red.; SHLIKHT, A.A., tekhn.red.

[New reinforced concrete ceiling elements for repairing buildings] Novye zhelezobetonnye perekrytiia dlia remonta zdanii. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1959. 62 p. (MIRA 12:8)

(Ceilings) (Precast concrete construction)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTER, Ya.I. (Khar'kov)

Precast ceiling to be used in making major repairs in buildings.
Gor.khoz.Mosk. 34 no.2:22-24 F '60. (MIRA 13:6)
(Slabs, Concrete) (Ceilings)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

KALYUZHNYY, Viktor Ivanovich; LAPTER, Yakub Isaakovich; DUMASHOV, Yu.F., red.; ISEYEVA, R.Kh., red.izd-va; LELYUKHIN, A.A., tekhn. red.

[Lightweight precast reinforced concrete elements for major repair of buildings] Oblegchennye sbornye zhelezobetonnye konstruktsii dlia kapital'nogo remonta zdanii. Moskva, Izd-vo M-va kommun.khoz.RSFSR, 1963. 139 p. (MIRA 17:2)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTER, Ya.I.

Flat built-up roofs for major repairs of apartment houses and public buildings. Nov. tekh. zhil.-kom. khoz.: Zhil. khoz. no.2:105-113 '63. (MIRA 18:6)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, A.

Crane made of precast reinforced concrete. Na stroi. Ros. 4 no.1: 25-26 Ja '63. (MIRA 16:3)

1. Starshiy konstruktor Krasnoyarskoy sudostroitel'noy verfi. (Cranes, derricks, etc.)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, A. A.

"Treatment of Biermer's Disease with Soviet Kampolon." Sub 21 Apr 47, First Moscow Order of Lenin Medical Inst

Dissertations presented for degrees in science and engineering in Moscow in 1947 (Cand. Med. Sci.)

SO: Sum No. 457, 18 Apr 55

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, A. A.

58/49T67

USSR/Medicine - Chronic Bacterial Endocarditis Mar/Apr 49
Medicine - Penicillin Therapy

"Treatment of Chronic Bacterial Endocarditis With Penicillin," A. A. Laptev, Cand Med Sci, M. Ye. Fekliseva, 9 pp

"Terap Arkhiv" Vol XXI, No 2

Penicillin therapy must be carried out as soon as possible to prevent severe complications. Its effectiveness depends on daily dosage, maximum content in the blood, duration of treatment, and organic reaction. Dose and duration of treatment should be

58/49T67

USSR/Medicine - Chronic Bacterial Endocarditis (Cont'd) Mar/Apr 49

Varied according to individual case from 500,000 to 1,500,000 IU per day for 1 - 2 months, and 1.5 - 2 million IU per day for 2 - 3 months in particularly resistant cases.

58/49T67

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

PA 66/49T81

LAPTEV, A. A.

USSR/Medicine - Anemia, Malignant Apr 49
Campolone

"The Treatment of Malignant Anemia," A. A. Laptev, Faculty Therapeutic Clinic, First Moscow Ord of Lenin Med Inst, 5 pp

"Klin Med" Vol XXVII, No 4

Tests the relative effectiveness of various therapeutic methods on 60 cases of malignant anemia. Parenteral application of "campolone" proved most effective in the building up of the red and white cells and the disappearance of megaloblasts from the peripheral blood stream. Development of reticulocytosis during the initial

66/49T81

USSR/Medicine - Anemia, Malignant Apr 49
(Contd)

stage of treatment is one of the positive signs of the stimulation of hemopoiesis. Continuous application of "campolone" in combination with Vitamin B_1 is very effective in treating funicular myelosis. Head of Faculty Therapeutic Clinic: Prof. V. N. Vinogradov, Active Mem, Acad Med Sci USSR.

66/49T81

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

IAPTEV, A.A.; BUMAZHNAYA, M.Ye.; FEKLISOVA, M.Ye.

Penicillin therapy of pneumonia. Sovet. Med. 16 no. 11:21-24 Nov 1952. (CLML 23:3)

1. Candidate Medical Sciences. 2. Of the Faculty Therapeutic Clinic (Director -- Prof. V. N. Vinogradov, Active Member of the Academy of Medical Sciences USSR), First Moscow Order of Lenin Medical Institute.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV. A. A.

Penicillin - Therapeutic Use

Remote results of penicillin therapy of endocarditis lenta. Terap. arkh. 24 No. 1. 1952

Monthly List of Russian Accessions, Library of Congress, July 1952. UNCLASSIFIED

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, A.A.

Relationship between endocarditis lenta and rheumatic disease. (MLRA 9:11)
Terap.arkh. 28 no.6:84-92 '56.

1. Iz fakul'tetskoy terapevticheskoy kliniki (dir. - deystvitel'nyy chlen AMN SSSR prof. V.N.Vinogradov) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova
(RHEUMATIC HEART DISEASE, physiology,
relation to subacute bact. endocarditis (Rus))
(ENDOCARDITIS, SUBACUTE BACTERIAL, physiology,
relation to rheum. heart dis. (Rus))

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, A. A., dotsent; KUZOKINA, L. A.

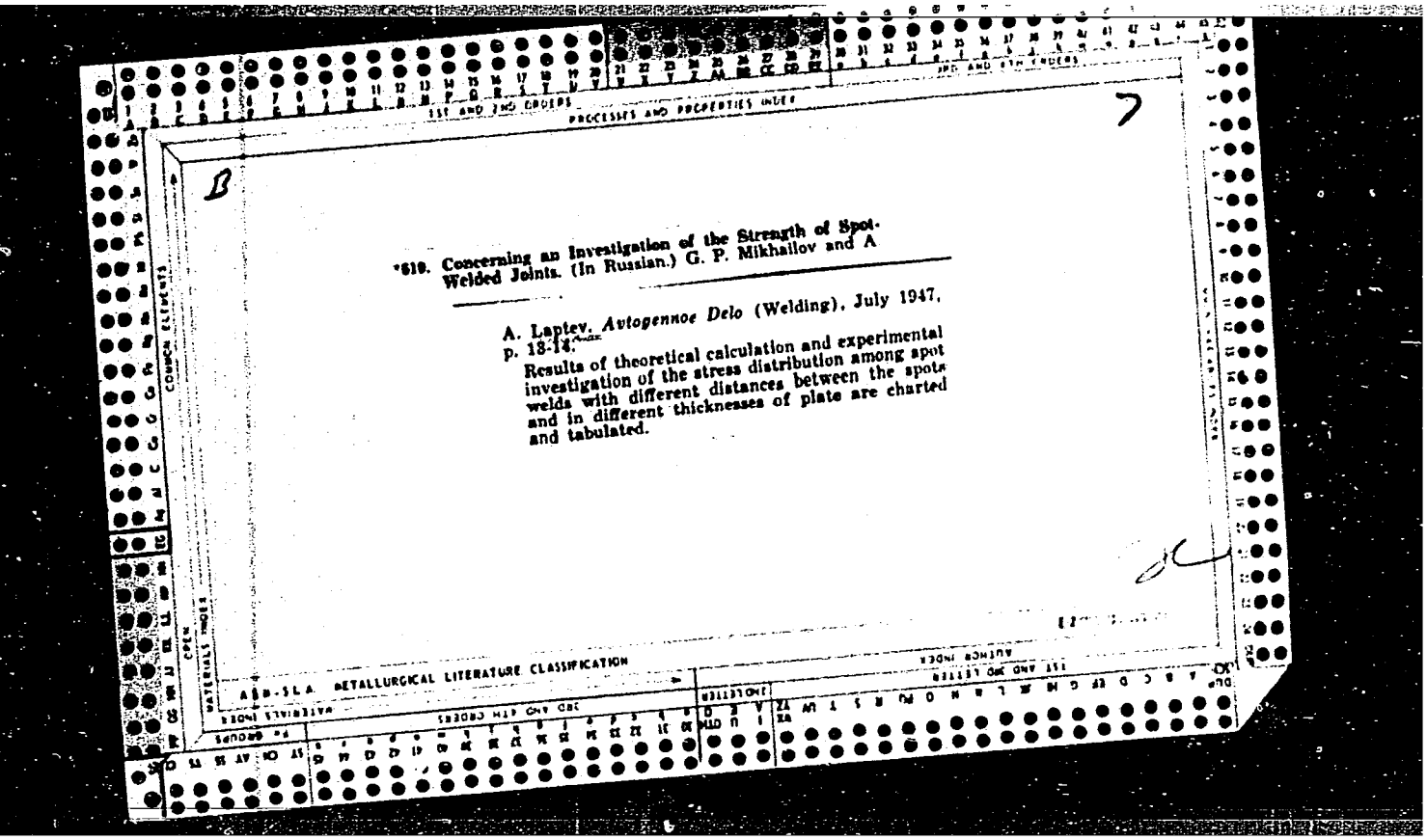
Use of Roter in peptic ulcer of the stomach and duodenum. Terap. arkh. 34 no.4:103-105 '62. (MIRA 15:6)

1. Iz TSentral'noy klinicheskoy bol'nitsy IV Glavnogo upravleniya pri Ministerstve zdravookhraneniya SSSR.

(PEPTIC ULCER) (BISMUTH PREPARATIONS)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4



*610. Concerning an Investigation of the Strength of Spot-Welded Joints. (In Russian.) G. P. Mikhailov and A. A. Laptev. *Avtogennoe Delo* (Welding), July 1947, p. 18-14.

Results of theoretical calculation and experimental investigation of the stress distribution among spot welds with different distances between the spots and in different thicknesses of plate are charted and tabulated.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV A.A.

USSR/ Engineering - Welded joints

Card 1/1 Pub. 128 - 20/35

Authors : Klintsov, S. Z., Cand. Tech. Sc.; Laptev, A. A., Cand. Tech. Sc.; and Lyubalin, P. M., Cand. Tech. Sc.

Title : On the question of the durability of welded joints under repeated loads

Periodical : Vest. mash. 35/3, 65 - 67, Mar 1955

Abstract : A study is presented of various methods of welding where the welded joint has to withstand the effect of repeated loads and vibration. The study covers a comparison of the effects with different materials, subsequent heating of the joint and other features. Illustrations; diagrams; graphs.

Institution : .....

Submitted : .....

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

AID P - 5065

Subject : USSR/Engineering-Welding

Card 1/1 Pub. 107-a - 5/11

Authors : Klintsov, S. Z., A. A. Laptev, and P. M. Lyubalin

Title : On electric arc welding of magnesium alloys

Periodical : Svar. proizv., 6, 17-20, Je 1956

Abstract : The authors describe the experiments carried out by them on arc welding of the M15 magnesium alloys with the No. 1, 2 and 4 coated electrodes, and the M15 magnesium alloys welding with the application of No. 1, 2 and 4 coatings. The results obtained from the tests are tabulated and illustrated [macrophotographs]. Two tables, 6 photos and 1 drawing.

Institution : None

Submitted : No date

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, Aleksey Alekseyevich, kand. ekon. nauk; NEVVAZHAY, V.G., red.

[Lawns] Gazony. Kiev, Urozhai, 1965. 61 p. (MIRA 18:12)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

GULYAYEV, K.N.; LAPTEV, A.D.; MALAMID, M.M.; MELKISHEVA, M.G.; NADEZHDIN, Ye.D.; GLAZKOV, A.P., otv.red.

[Industry of Vologda Province; on the fortieth anniversary of the Great October Socialist Revolution] Promyshlennost' Vologodskoi oblasti; k 40-letiiu Velikoi Oktiabr'skoi sotsialisticheskoi revoliustii. Vologda, Obl.knizhnaia red., 1957. 92 p. (MIRA 13:3)

(Vologda Province--Economic conditions)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

Laptev, A. G.

SHMYKOV, I.I., dots.; LAPTEV, A.G., assistent.

Automatic packers of machined parts. Nauch. trudy Len. lesotekh. akad. no.76:43-47 '57. (MIRA 11:4)
(Woodworking machinery)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, Aleksandr Grigor'yevich; MOROZOV, N.A., dots., kand. tekhn. nauk, retsenzent; IVANOVSKIY, Ye.G., dots., kand. tekhn. nauk, retsenzent; KNYAZEV, S.A., dots., kand. tekhn. nauk, retsenzent; GRUBE, A.E., prof., doktor tekhn. nauk, otv. red.; BEZGODOVA, L.V., red.

[Machines and instruments for wood processing; manual on the preparation of a course project for students of the Faculty of Mechanical Wood Processing] Stanki i instrumenty po obrabotke drevesiny; posobie k kursovomu proektirovaniiu dlia studentov fakul'teta mekhanicheskoi tekhnologii drevesiny. Leningrad, Vses. zaochnyi lesotekhn. in-t, 1963. 161 p. (MIRA 17:5)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, A.I.

History of the development of the relief of Vasili Island in Leningrad. Vest.LGU no.24:138-142 '62. (MIRA 16:2)
(Leningrad—Geomorphology)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

S/196/61/000/010/023/037
E194/E155

AUTHORS: Shevchuk, S.N., and Laptev, A.N.

TITLE: An engineering method of calculating transient processes in a generator-motor system

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.10, 1961, 9, abstract 10K 65. (Tr. Gor'kovsk. politekhn. in-ta, v.16, no.5, 1960, 23-33)

TEXT: The article describes a semi-graphical method of finite increments for calculating transient processes in a d.c. generator-motor system with allowance for saturation of the magnetic circuits of the machines. Relationships are determined in the general form for increments of speed and current for a given increment of time for the following conditions:
1) motor starting from rest with rated magnetic flux and variable generator e.m.f; 2) acceleration of motor from steady-state conditions by field weakening, with constant generator e.m.f; 3) instantaneous change of load; 4) regenerative braking of motor with drive on no-load; 5) reversing of drive by altering voltage polarity on generator field terminals.

Card 1/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

An engineering method of ...

S/196/61/000/010/023/037
E194/E155

An experimental check of the method of calculation showed it to be sufficiently accurate. An appendix gives determination of generator e.m.f. and motor flux as functions of time, which are required in using this method of calculation.

[Abstractor's note: Complete translation.]

✓

Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, A. P.: Master Med Sci (diss) -- "Experience in using erythema luminescent lamps in a sports hall". Moscow, 1958. 14 pp (Acad Med Sci USSR), 250 copies (KL, No 1, 1959, 124)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, A.P., kand.med.nauk

Ultraviolet lighting system for a gymnasium. Svetotekhnika 6 no.7:13-15 Jl '60. (MIRA 13:7)

1. Gosudarstvennyy tsentral'nyy institut fizicheskoy kul'tury.
(Ultraviolet raya--Therapeutic use)
(Gymnasiums)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

DANTSIG, N. M.; LAPTEV, A. P. (Moskva)

Discussion of artificial lighting in windowless and skylightless industrial buildings. Gig. truda i prof. zab. no.3:38-42 '62. (MIRA 15:4)

1. Institut obshchey i kommunal'noy gigiyeny imeni A. N. Sysina AMN SSSR, TSentral'nyy institut fizicheskoy kul'tury.

(FACTORIES--LIGHTING)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, Aleksandr Petrovich, kand. med. nauk; NAMUSOVA, I.Ya., red.

[Building up strength and health] Zakalivanie i zdorov'e. Moskva, "Fizkul'tura i sport," 1964. 51 p. (MIRA 17:6)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, A.Ye., inzh.

Some problems of dump car strength. Ugol' 33 no.9:33-35 S '58.
(MIRA 12:1)

1.Trest Korkinugol'.
(Dumping appliances) (Mine haulage)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, A.Ye., inzh.

Breakdown of parts and metal components of machines caused by varying stresses. Vest.mash. 40 no.7:3-6 Jl '60. (MIRA 13:7)
(Strength of materials)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LOZINSKIY, V.N., inzh.; LAPTEV, A.Ye., inzh.

Experiences and problems in using motorized dump cars in open-pit mines. Gor. zhur. no. 6:14-17 Je '61. (MIRA 14:6)

1. Trest Korkinugol'.
(Mine railroads--Cars)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, A.Ye., inzh.

Improving the construction and increasing the serviceable period of dump cars. Gor.zhur. no.5:43-44 My '62.
(MIRA 16:1)

1. Korkinskiy trest ugol'nykh predpriyatiy.
(Mine railroads--Cars)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

BAGAUTDINOV, G.; GAGAYEV, B.; [illegible] TAV, B.

Konstantin Petrovich [illegible]skii on his 60th birthday. Izv. vys. ucheb. zav.; mat. no.6(73) '68. (MIRA 17:8)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, B.L.

Pribor dlya vychisleniya krivolineynogo integrala. Kazan' Uchen zap. un-ta, 98:9 (1938), 79-83.

Kovariantnoye integrirovaniye v prostranstve finslera dvukh i trekh izmereniy. Kazan', IZV. Fiz.-Matem. O-VA (3), 9 (1937), 61-76.

Proizvodnaya li dlya ob"ektov, yavlyayushchikhsya funktsiyey tochki i napravleniya. Kazan', IZV, Fiz.-matem. O-VA (3), 10 (1938).

Invariantnaya forma vtoroy variatsii, polucheunaya differentsirovaniyem li v prostranstve finslera. Kazan', Izv. fiz.-Matem. O-VA (3), 12 (1940).

N.I. Lobachevskiy. V kn=N. I. Lobachevskiy. M.-L., IED. AN (1943), 5-18.

SO: Mathematics in the USSR, 1917-1947
edited by Kurosh, A.G.,
Markusevich, A.I.,
Rashevskiy, P.K.
Moscow-Leningrad, 1948

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, B. L.

Laptev, B. L. The life and work of N. I. Lobačevskiĭ. Uspehi Matem. Nauk (N.S.) 6, no. 3(43), 10–17 (1951). (Russian)

Source: Mathematical Reviews, Vol 13 No.3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, B. L.

8-10-54 LL

Mathematical Reviews
Vol. 14 No. 9
October 1953
History

Laptev, B. L. Life and activity of N. I. Lobačevskiĭ. Sto dvadcat'-pyat' let neevklidovoĭ geometrii Lobačevskogo, 1826-1951 [One hundred and twenty-five years of the non-Euclidean geometry of Lobačevskiĭ, 1826-1951], pp. 23-33. Gosudarstv. Izdat. Tehn.-Teor. Lit., Moscow-Leningrad, 1952. 7.60 rubles.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

EAPTEV, B. L.

Mathematical Reviews
Vol. 14, No. 9
October 1953
History

8-10-54
LL

Laptev, B. L. The theory of parallel lines in early works of N. I. Lobačevskiĭ. Sto dvadcat' pyat' let neevklidovoĭ geometrii Lobačevskogo, 1826-1951 [One hundred and twenty-five years of the non-Euclidean geometry of Lobačevskiĭ, 1826-1951], pp. 99-116. Gosudarstv. Izdat. Tehn.-Teor. Lit., Moscow-Leningrad, 1952. 7.60 rubles.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

All these results, including the use of $L(x)$, are due to Lobačevskiĭ. The present paper is merely a modernization of his approach. *H. Busemann* (Los Angeles, Calif.).

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, B.L. (Kazan')

Invariants of a space of tensor supporting elements. Uch.zap.Kaz. un. 115 no.10:12 '55. (MLRA 10:5)

(Invariants)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, B.L.

LAPTEV, B.L.

Differential invariants of a space of tensor supporting elements of affine connectedness. Uch.zap.Kaz.un. 116 no.1:10-14 '55. (MLRA 10:5)

1.Kafedra geometrii.
(Invariants) (Calculus of tensors)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, B.L.

Ide derivation in a spaces of supporting elements. Trudy Sem.po vekt. i tenz. anal. no.10:227-248 '56. (MLRA 10:3)
(Spaces, Generalized)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

Translation from: Referativnyy zhurnal, matematika, 1958, Nr 4, p 128 (USSR) SOV/44-58-4-3233

AUTHOR: Laptev, B. L.

TITLE: ~~Differential~~ Invariants of a Space of Tensor Carrier Elements of an Affine Connection (Differentsial'nyye invarianty prostranstva tenzornykh opornykh elementov affinoy svyaznosti)

PERIODICAL: Uch. zap. Kazanskogo universiteta, 1956, 116, Nr 1, pp 10-14

ABSTRACT: A study is made of spaces of tensor carrier elements. As was earlier pointed out by the author (Uch. zap. Kazanskogo un-ta, 1949, 109, Nr 4, pp 187-216) in such a space the introduction of an affine connection and covariant differentiation can be realized by means of an object of affine connection $L^{\alpha}_{\beta\gamma}$ and a tensor minus the first measure $C^{\alpha}_{\beta,\lambda_1\ldots\lambda_p}{}^{\mu_1\ldots\mu_q}$.

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Just as for the relative tensor $T^{(\alpha)}_{(\beta)}$ the covariant differential will have the form

$$\delta T^{(\alpha)}_{(\beta)} = d T^{(\alpha)}_{(\beta)} - \omega^{*}_{*} T^{(\alpha)}_{(\beta)}$$

where the differential forms ω are expressed by means of the ordinary differentials dx^{α}, $d\omega^{(\lambda)}_{(\mu)}$ of the carrier element, so does it lead to two kinds of covariant differentiation. Thence, expressing the alternated covariant derivatives of the second order, the author arrives at three tensors of curvature and derives the corresponding Ricci identity. Studying the paths in a space of tensor carrier elements of an affine connection as parametrized straight lines, along which the tangent vector is transferred parallelly (with a simultaneous parallel transfer of a carrier tensor $w^{(\lambda)}_{(\mu)}$), the author derives the equations for the paths:

$$\frac{d^2x^{\alpha}}{dt^2} + \Lambda^{\alpha}_{\beta\gamma}(x, w)\frac{dx^{\beta}}{dt}\frac{dx^{\gamma}}{dt} = 0, \quad \frac{dw^{(\lambda)}_{(\mu)}}{dt} + M^{(\lambda)}_{(\mu)\varsigma}\frac{dx^{\varsigma}}{dt} = 0$$

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

and establishes, by a proper selection of initial conditions, the uniqueness of the path. This allows the introduction of generalized normal coordinates, for which the dotted part of the paths, which start from the elements $(a^\alpha, P^{(\lambda)}_{(\mu)})$, is determined by the equations $y^\alpha = \theta^\alpha t$. On the formation of a system of coordinates $\{x^\alpha\}$ and $\{\overset{*}{x}{}^\alpha\}$, the normal coordinates corresponding to them are connected among themselves by linear homogeneous transformations. This allows the introduction of affine normal tensors, which makes it possible to prove that the kth extension of an arbitrary tensor is expressed by its successive covariant derivatives and through the covariant derivatives of the derivatives with respect to $w^{(\lambda)}$ of the tensor under study and of the first and third tensors of curvature and thence to derive the theorem of reduction.

A. Z. Petrov

Card 3/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

AUTHOR: Laptev, ~~B.L.~~ SOV/140 58-2-15/20

TITLE: Application of the Differentiation of Lie for the Determination of the Geodesic Shift in the Space of Line Elements (Primeneniye differentsirovaniya Li k otyskaniyu geodezicheskogo smeshcheniya v prostranstve lineynykh elementov)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy Ministerstva vysshego obrazovaniya SSSR, Matematika, 1958, Nr 2, pp 173-181 (USSR)

ABSTRACT: The paper contains an example for the application of the differentiation of Lie in the space of support elements, developped by the author [Ref 10,11]. The geodesic shift in the space of line elements is determined relatively simple and short, where as a support element there serves the differential element of second order $(x^{\alpha}, \frac{dx^{\alpha}}{dt}, \frac{d^2x^{\alpha}}{dt^2})$.

There are 13 references, 5 of which are Soviet, 2 German, 1 American, 1 Roumanian, 2 Italian, and 1 French.

ASSOCIATION: Kazanskiy gosudarstvennyy universitet imeni V.I.Ul'yanova-Lenina (Kazan' State University imeni V.I.Ul'yanov-Lenin)

SUBMITTED: December 16, 1957

Card 1/1

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, B.L., Doc Phys Math Sci — (diss) "~~Area~~ Space of ~~bodies~~ reference elements." Kazan', 1959, 20 pp (Mos Order of Lenin and Order of Labor Red Banner State Univ im M.V. Lomonosov) 150 copies. Bibliography pp 19-20 (20 titles) (KL, 36-59,111)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, B.L.

Mathematics at Kazan University during the past 40 years.(1917-1957).
Ist.-mat. issl. no.12:11-58 '59. (MIRA 13:11)
(Kazan--Mathematics)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

33652
S/058/61/000/012/005/083
A058/A101

16.5600

AUTHOR: Laptev, B.L.

TITLE: Covariant differential and the theory of differential invariants in tensor reference-element space

PERIODICAL: Referativnyy zhurnal. Fizika, no. 12, 1961, 23, abstract 12A347 (Uch. zap. Kazansk. un-t, 1958, v. 118, no. 4, 75 - 147)

TEXT: This is a monograph devoted to the further investigation of tensor reference-element space. In particular, there are formulated six conditions that determine the structure of the covariant differential in such a space, analogues of Ricci identities are obtained and the derivation of the fundamental substitution and reduction theorems is given. In conclusion it is shown that the theory of tensor reference-element space includes the known spaces as a special case (linear elements, k-dimensional plane elements).

Ya. Pugachev

[Abstracter's note: Complete translation]

Card 1/1

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, B.L.

Mathematics at Kazan University during the Soviet period. Uch. zap. Kaz. un. 120 no.7:24-66 '60. (MIRA 14:9)
(Kazan University--Mathematics)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

KOPP, V.G.; LAPTEV, B.L.; SHIROKOV, A.P.; SHULIKOVSKIY, V.I.

Aleksandr Petrovich Norden, 1904; on his 60th birthday. Usp. mat. nauk 19 no.5:171-179 S-O '64.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, B.N.; GUBINA, T.G.; PERTSEVA, T.M.; MAMKINA, M.I.; BATANOVA, Ye.I.; TVERYAKHINA, Z.D.; MALYSHEVA, Ye.A.; VIKTOROVA, A.G.; VEREIN, B.N., otv.red.; KHAMDINA, R.I., tekhn.red.

[Economy of the Mari A.S.S.R.; statistical collection] Narodnoe khoziaistvo Mariiskoi ASSR; statisticheskii sbornik. Ioshkar-Ola, 1960. 219 p. (MIRA 14:3)

1. Mari A.S.S.R. Statisticheskoye upravleniye. 2. Statisticheskoye upravleniye Mariyskoy ASSR (for Laptev, Gubina, Pertseva, Mamkina, Batanova, Tveryakhina, Malysheva, Viktorova). 3. Nachal'nik Statisticheskogo upravleniya Mariyskoy ASSR (for Verein).
(Mari A.S.S.R.--Statistics)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, D. A., DROKIN, A. I. and SMOLIN, R. P. (Krasnoyarsk)

"Studies of the Temperature Magnetic Hysteresis on the Points of the Hysteresis Loop."

Nickel and iron-nickel alloy samples had been studied for this purpose.

Paper presented at the All-Union meeting on Magnetic Structure of Ferromagnetics June 1958, in Krasnoyarsk. Meeting sponsored by Inst. of Physics, Acad. Sci. USSR, and Comm. for Magnetism, Dept Phys-Math Sci, AS USSR,

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

SOV/139-59-1-24/34

24(3)

AUTHOR: Laptey, D.A.

TITLE: An Estimate of the Temperature Magnetic Hysteresis (K voprosu ob otsenke temperaturnogo magnitnogo gisterezisa)

PERIODICAL: Izvestiya Vysshikh Uchebnykh Zavedeniy, Fizika, 1959, Nr 1, pp 136-138 (USSR)

ABSTRACT: The temperature magnetic hysteresis of nickel was investigated in the temperature interval -183 to +360°. The investigation was carried out in two cycles: -183 to +360° and +360 to -183°. The specimens were prepared from electrolytic nickel. They were 100 mm long and their diameter was 2.5 mm. The specimens were investigated in magnetic fields of the following intensities: 0.013, 0.065, 0.13, 0.52, 1.3, 3.9 and 10.24 oersted. The temperature magnetic hysteresis was estimated by measuring the change in the magnetisation $I - I_o$ as a function of temperature and then estimating the area of the loop in (gauss x degrees). The latter quantity is plotted as a function of the magnetic field in which the cyclic variation of temperature was carried out. The loop area is zero at H=0. As the field increases the temperature magnetic hysteresis (estimated from the loop

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APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

An Estimate of the Temperature Magnetic Hysteresis

area) increases up to a certain value of the field at which it reaches a maximum value. It then falls off but remains finite even at 30 oersted. The temperature magnetic hysteresis has a maximum value in those fields in which the magnetisation is due mainly to processes involving irreversible displacement of boundaries.

Professor L.V. Kirenskiy is thanked for valuable advice.

There are 2 figures and 7 Soviet references.

ASSOCIATION: Krasnoyarskiy Pedinstitut (Krasnoyarsk Pedagogical Institute)

SUBMITTED: April 1, 1958

Card 2/2

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

KIRENSKIY, L.V.; DROKIN, A.I.; LAPTEV, D.

Effect of compression on the magnetic hysteresis of nickel under fluctuating temperature. Izv.Sib.otd.AN SSSR no.2:9-14 '59. (MIRA 12:7)

1. Institut fiziki Sibirskogo otdeleniya AN SSSR.
(Hysteresis) (Nickel)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, D.A.; DROKIN, A.I.

Effect of the magnetic condition of the test piece on the temperature-magnetic hysteresis. Izv. vys. ucheb. zav.; fiz. no.4:43-47 '59.
(MIRA 13:3)

1.Krasnoyarskiy pedinstitut i Institut fiziki AN SSSR.
(Magnetic induction)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

69684

S/126/60/009/03/004/033
E111/E414

24.7900

AUTHORS: Kirenskiy, L.V., Laptev, D.A., Drokin, A.I. and Smolin, R.P.

TITLE: Temperature Magnetic Hysteresis of Silicon-Iron Single Crystals

PERIODICAL: Fizika metallov i metallovedeniye, 1960, Vol 9, Nr 3, pp 337-344 (USSR)

ABSTRACT: The authors point out that although investigation of magnetic hysteresis should be carried out on single crystals, polycrystalline specimens have only been used for temperature magnetic hysteresis studies (eg Ref 1 to 3). The present authors have used single crystal 5.4 x 0.43 x 0.076 cm specimens of 3.8% Si - iron cut by etching along the principal and intermediate crystallographic directions. Crystallographic orientation was determined by the Laue method. Before measurements, specimens were vacuum annealed at 1100°C for 4 hours and cooled slowly. Measurements were carried out with a heating-cooling cycle of +50 to Θ to +50°C on a vertical astatic magnetometer described previously (Ref 4). Fig 1, 2 and 3 show magnetization as a function

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[100]: all curves

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S/126/60/009/03/004/033
E111/E414

Temperature Magnetic Hysteresis of Silicon-Iron Single Crystals

fall continuously with increasing field strength. The authors propose an explanation of their magnetization vs temperature curves on the basis of a comparison of these results with known data (Ref 7,8) on the temperature dependence of the magnetic-anisotropy and magneto-striction constants and the original domain structure. There is a discrepancy between Fig 5 and corresponding results of Baranova and Shur (Ref 9): this is attributed to differences in the alignment of the easy-magnetization axes. Fig 6 shows a series of domain structures for magnetization along [110] in fields up to 30 oersted. The authors explain the similarity between magnetization vs temperature curves for polycrystalline silicon-iron specimens with those for single crystals along [110] and [111] by the presence in the former of more crystals with these and similar directions than with [100]. The authors note that the foregoing can explain occasionally observed sharp dips in magnetization vs temperature curves. There are 6 figures and

Card 3/4

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

69684

S/126/60/009/03/004/033
E111/E414

Temperature Magnetic Hysteresis of Silicon-Iron Single Crystals

9 Soviet references.

ASSOCIATION: Institut fiziki Sibirskogo otdeleniya AN SSSR
g. Krasnoyarsk (Institute of Physics, Siberian Division
of the Academy of Sciences USSR, Krasnoyarsk)

SUBMITTED: July 1, 1959

Card 4/4

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, D. L.

BELYAZO, I.A., inzh.; LAPTEV, D.L., inzh.

Meter set for testing signaling, central control and block system relays. Avtom., telem.i sviaz' no.10:15-17 O '57 (MIRA 10:11)
(Railroads--Signaling)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEY, D.L.; CHERKASHIN, V.S.; DROKIN, A.I.

Effect of ultrasound on the domain structure of ferrosilicon.
Prim. ul'traakust. k issl. veshch. no.15:189-194 '61.
(MIRA 16:8)

(Ultrasonic waves) (Domain structure)
(Ferrosilicon)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, D. M.

USSR/Chemistry - Metallurgy

Card 1/1

Authors : Kozheurov, V. A., and Laptev, D. M.

Title : Certain metallurgical equilibriums with the participation of acid slags

Periodical : Zhur. Fiz. Khim., 28, Ed. 5, 814 - 823, May 1954

Abstract : The following equilibriums with the participation of acid slags were investigated: solubility of silica in acid slags, oxygen distribution between metal and slag and the equilibrium of manganese. Formulas for computing these equilibriums are included. Nine references: 6-USSR, 3-English. Tables, graphs.

Institution : The Sergo Ordzhonikidze Siberian Metallurgical Institute, Stalinsk

Submitted : July 28, 1953

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

18(3) SOV/148-59-1-5/19

AUTHOR: Laptev, D.M., Engineer

TITLE: Computation of Oxygen Distribution Between the Metal and the Slag According to Molecular and Ionic Theories (Raschët raspredeleniya kisloroda mezhdu metallom i shlakom po molekulyarnoy i ionnoy teoriyam)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - Chernaya metallurgiya, 1959, Nr 1, pp 39-46 (USSR)

ABSTRACT: Various calculation methods of oxygen distribution between the metal and basic slags in steel smelting are compared on the basis of experimental results. Data obtained from radiographic structural analyses, combined dispersion, electroconductivity of slags and silicates, their electrolysis etc. indicate the ionic character of interactions between elementary particles in these systems, and that they are built according to the coordination principle, which is characteristic for all ionic compounds. It is stated that satisfactory results can be obtained according to computational methods suggested by Kozheurov, and Winkler and Chipman. Kozheurov in his theory of ionic solutions analyzes systems with a common ion and con-

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

Computation of Oxygen Distribution Between the Metal and the Slag According to Molecular and Ionic Theories

siders elementary cations and anions as structural units. The initial principles of his theory agree with data of modern physical conceptions on the slag structure, whereas the choice of slag structure units in the method suggested by Winkler and Chipman is based on the attempt to attain satisfactory agreement of results, obtained by experiments and computations according to the law of distribution: $K_O = \frac{x_{FeO}}{[\% O]}$ where x_{FeO} is the molar FeO part in the slag, obtained by taking into account certain chemical compositions; $[\% O]$ is the oxygen concentration in the metal in per cent by weight, and K_O is the coefficient of oxygen distribution between the slag and the metal. The author presents graphs comparing experimental and computed data of oxygen distribution according to different methods.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

SOV/148-59-1-5/19

Computation of Oxygen Distribution Between the Metal and the Slag According to Molecular and Ionic Theories

There are 4 graphs and 7 references, 4 of which are Soviet and 3 English.

ASSOCIATION: Sibirskiy metallurgicheskiy institut (Siberian Metallurgical Institute)

Card 3/3

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, D.M.

Determining types of deviation from the Raoult Law on activity coefficients. Izv. vys. ucheb. zav.; chern. met. no.10:13-15 '60. (MIRA 13:11)

1. Sibirskiy metallurgicheskiy institut.
(Activity coefficients)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, D.M.

Determining types of deviation from the Raoult Law on activity-mole fraction diagrams. Izv. vys. ucheb. zav.; chern. met. no.10: 14-19 '60. (MIRA 13:11)

1. Sibirskiy metallurgicheskiy institut.
(Activity coefficients)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, D.M.; KOZHEUROV, V.A.

Thermodynamic properties of melts containing iron oxides. Izv. vys. ucheb. zav.; chern. met. 4 no.12:8-17 '61. (MIRA 15:1)

1. Sibirskiy metallurgicheskiy institut i Chelyabinskiy politekhnicheskiy institut.
(Iron oxides) (Vapor-liquid equilibrium)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, D.M.

Changes of component entropy and enthalpy during its passage from one standard state into another. Izv. vys. ucheb. zav.; chern. met. 6 no.6:11-17 '63. (MIRA 16:8)

1. Sibirskiy metallurgicheskiy institut.
(Solutions, Solid) (Heat of solution)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, D.M.

Methods of calculating the entropy and the heat of transition of a component from one standard state to another. Izv. vys. ucheb. zav.; chern. met. 6 no.8:24-34 '63. (MIRA 16:11)

1. Sibirskiy metallurgicheskiy institut.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, D. M.

Energy of the pure component in the theory of regular atomic solutions. Izv.vys.ucheb.zav.; chern met 7 no. 4:20-25 '64. (MIRA 17:5)

1. Sibirskiy metallurgicheskiy institut.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, D.M.

Energy of a pure component in the theory of regular ionic solutions. Izv. vys. ucheb. zav.; chern. met. 7 no.8:18-25 '64. (MIRA 17:9)

1. Sibirskiy metallurgicheskiy institut.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, D.M.

Applying the theory of regular solutions in preparing constitutional diagrams for the system Fe - C. Report No.1. Izv.vys.ucheb.zav.; chern. met. 8 no.8:5-9 '65. (MIRA 18:8)

1. Sibirskiy metallurgicheskiy institut.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, Dmitriy Martem'yanovich; SHVARTSMAN, L.A., prof., retsenzent

[Problems and exercises on the thermodynamics of solutions] Zadachi i uprazhneniia po termodinamike rastvorov. Moskva, Metallurgiia, 1965. 218 p. (MIRA 18:7)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, D.P., inzh.

Universal stand for testing signaling relays and decoding cells. Avtom. telem. i sviaz' 4 no.9:8-11 S '60. (MIRA 13:9)
(Railroads—Signaling) (Railroads—Electric equipment)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4"

"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

L 33559-66 EWT(m)/EWP(k)/T/EWP(t)/ETI IJP(c) JD/HW

ACC NR: AP6012232 SOURCE CODE: UR/0129/66/000/004/0010/0014

AUTHOR: Bernshteyn, M. L.; Kalyagina, G. P.; Kaputkina, L. M.; Laptev, D. V.

ORG: Moscow Institute of Steel and Alloys (Moskovskiy institut stali i splavov)

TITLE: Radiographic investigation of the surface layers of 9Kh steel that were hardened by high-temperature thermomechanical surface treatment

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no 4, 1966, pp 10-14

TOPIC TAGS: chromium steel, surface hardening, metal heat treatment, x ray analysis/9Kh chromium steel

ABSTRACT: This is a continuation of a previous investigation (Bernshteyn, M. L., Belkin, M. Ya., Venzhega, A. S., Kalyagina, G. P., Ryabova, L. A. Vestnik mashinostroyeniya, 1965, no. 6; Bernshteyn, M. L. MiTOM, 1965, no. 7) with the difference that the relationship between hardness and the increase in resistance to contact fatigue of the surface layer of specimens taken from the rolls of cold-rolling mills following their high-temperature thermomechanical surface treatment (HTTST) is investigated by means of radiographic analysis of the width of the $(110)_\alpha$ line over the depth of the layer as a function of conditions of HTTST.

Card 1/3

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Findings: HTTST causes marked changes in the fine structure of the material, as manifested in the increase in lattice energy (broadening of the width of x-ray lines). Thus, following various regimes of HTTST and induction hardening, with all the specimens subjected to final tempering at 160-180°C for 90 min (Fig. 1), it can

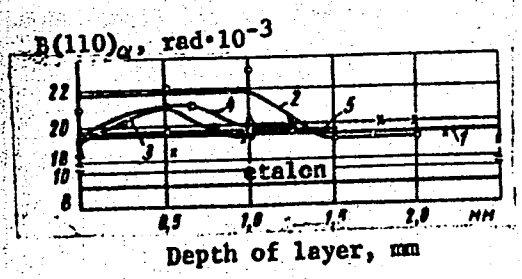

Fig. 1. Change in the width of the x-ray interference line $(110)_\alpha$ over the depth of the layer as a function of rolling pressure during HTTST (tempering at 160-180°C):

1 - induction hardening; 2-5 - HTTST; 2 - p = = 65 kg; 3 - p = 45 kg; 4 - p = 55 kg; 5 - p = 75 kg

be seen that the optimal HTTST regime causes the strongest change in line width; it is only at a depth of ~1 mm that line width begins to decrease. Further, a comparison of the C content before and after HTTST with degree of deformation ϵ = 50% showed that the total C content of the solid solution following HTTST is markedly lower (0.61%) than following conventional hardening. This confirms a previous observation by Gulyayev (Gulyayev, A. P., Shigarev, A. S. MiTOM, 1963, no. 4). The

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LAPTEV, F. F. (DECEASED) 1963/2

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WATER

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TETERNIK, Dmitriy Mikhaylovich, professor; LAPTEV, Fedor Pavlovich, veterinarnyy vrach; KOGAN, Mariya Borisovna, inzhener; IVANOVA, N.M., redaktor; CHEBYSHEVA, Ye.A., tekhnicheskiy redaktor

[Veterinary inspection in the meat industry] Proizvodstvenno-veterinarnyi kontrol' v miasnoi promyshlennosti. Moskva, Pishchepromizdat, 1956. 462 p. (MIRA 10:1)
(Meat inspection)

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LAPTEV, FEDOR PAVLOVICH

LAPTEV, Fedor Pavlovich; IVANOVA, N.M., red.; SOKOLOVA, I.A., tekhn.red.

[Care of animals marked for slaughter] Preduboinoe soderzhanie skota. Izd. 2-oe, perer. i dop. Moskva, Pishchepromizdat, 1957. 134 p. (MIRA 11:4)
(Animal industry)

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

AKHMEDOV, A.M., prof., doktor veter. nauk; GONCHAROV, G.D., doktor biol. nauk; DURASOV, V.I.; ZAGAYEVSKIY, I.S., prof., doktor veter. nauk; KUKHARKOVA, L.L.; BARMASH, A.I., kand. tekhn. nauk; POZHARISKAYA, L.S., kand. tekhn. nauk; LAPTEV, F.P.; LIBERMAN, S.M., kand. tekhn. nauk; PETROVSKIY, V.P., inzh.; MIRONOV, A.N., prof., doktor veter. nauk; MALYSHEV, K.B., kand. veter. nauk; NIKITIN, B.P., inzh.; POLYAKOV, A.A., prof., doktor veter. nauk; RUSAKOV, V.N.; TARSHIS, M.G., kand. veter. nauk; SHUR, I.V., prof., doktor veter. nauk; YARNYKH, A.M., red.

[Manual on veterinary and sanitary expertise and hygiene in the processing of animal products] Rukovodstvo po veterinarno-sanitarnoi ekspertize i gigiene pererabotki zhivotnykh prc-duktov. Izd.2., ispr. i dop. Moskva, Kolos, 1965. 426 p. (MIRA 18:6)

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LAPTAV, F.S. LAPTEV, F.S.

3524 19 2

VAPORIZATION OF METALS BY FISSION FRAGMENTS.

F. S. Laptev and B. V. Ershler. Soviet J. Atomic Energy 4, 513-16(1956).

New See

The number of atoms evaporating from the surface of a metal when it emits fission fragments or alpha particles was measured for U^{233} and Pu^{239}. This quantity depends

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LAPTEV, G., inzh.

The electric shop helps the assemblers. Na stroi.Ros. 3 no.9: 11 S '62. (MIRA 15:12)
(Construction equipment--Maintenance and repair)

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LAPTEV, G. F.

O vydelenii odnogo klassa vnutrennikh geometriy, indutsirovannykh na poverkhnosti prosgranstva afinnoy svyaznosti. DAN, 41 (1943), 329-331.

O pogruzhenii prostranstva afinnoy svyaznosti v afinnoye prostranstvo. DAN, 47 (1945), 551-554.

SO: Mathematics in the USSR, 1917-1947
Edited by Kurosh, A. G.
Markusevich, A. I.
Rashevskiy, P. K.
Moscow-Leningrad, 1948

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LAPTEV, G.F

LAPTEV, G.F., and V.K. GOL'TSMAN

Teoriia manometricheskikh aeronavigatsionnykh priborov. Moskva, Izd. Vcenno-vozdushnoi akademii im. N.E. Zhukovskogo, 1945.

Title tr.: Theory of manometric air navigation instruments.

NCR

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955

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LAPTEV, G. F.

Laptev, G. F. The affine deformation of surfaces with preservation of the internal geometries. Doklady Akad. Nauk SSSR (N.S.) 58, 529–531 (1947). (Russian)

In an earlier note [C. R. (Doklady) Acad. Sci. URSS (N.S.) 41, 315-317 (1943); these Rev. 6, 107] the author has defined internal geometries (or induced affine connections) of an n-dimensional surface embedded in an N-dimensional space with affine connection. He now calls two such surfaces applicable on each other if they can be mapped on each other with preservation of these internal geometries. He states that when the embedding space is affine the above notion of applicability coincides with applicability of order two as defined by E. Cartan [Congrès Internat. Math., Strasbourg, 1920, pp. 397-406]. A surface is considered deformable if it is applicable on another surface which cannot be obtained from it by a transformation of the affine group. Using Cartan's theory of Pfaffian systems the author arrives at the theorem: an n-dimensional surface in a N-dimensional affine space is deformable if $n^2+n-2\leq 2p$, where p is the horizontal rank of a certain matrix and $n^2+3n-2\leq 2N$; in the case of inequality in the last relation any two surfaces are applicable on each other. He states also another theorem of this type involving the vertical rank of the same matrix.

G. Y. Reinich.

Source: Mathematical Reviews, Vol. 10, No. 1

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, G.F.

Laptev, G. F. Invariant construction of the projective differential geometry of surfaces. Doklady Akad. Nauk SSSR (N.S.) 68, 121–124 (1949). (Russian)

Invariant formulae for the geometry of a surface in projective 3-space are obtained by means of the moving trihedral. Invariance means independence of surface coordinates or of projective normal. If an infinitesimal displacement of the trihedral $M_0M_1M_2M_3$ is defined by $dM^K=\omega_J{}^KM^J$, $\omega_J{}^K$ being linear differential forms, then $[\omega_0{}^k\omega_k{}^{k'}]=0$, $k=1, 2$, where $[\omega_K{}^{k'}\omega_{L'}]=D\omega_K{}^{k'}$. Denoting $\omega_0{}^k$ by ω^k, the Fubini metric of the surface is obtained in the form of $b_{ik}\omega^i\omega^k/a_{ik}\omega^i\omega^k$. Any line of the canonical pencil of projective normals is then expressible in terms of a parameter σ, for $\sigma=0$ this gives the direction of Wilczynski, for $\sigma=\frac{1}{3}$, the axis of Čech; for $\sigma=1$, Fubini's normal, etc. In a similar manner the pencil of Darboux surfaces is expressed in terms of a paremeter λ so that $\lambda=0$ gives the surface of Lie, $\lambda=-\frac{1}{3}$, the surface of Fubini, etc. The method used can be applied to hypersurfaces in projective n-space as well as for Klein spaces.

M. S. Knebelman (Pullman, Wash.)

Source: Mathematical Reviews, Vol. 11 No. 1

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

Lapteĭ, G. F.

ferential connections of manifolds and groups. Doklady Akad. Nauk SSSR 70 (1950). (Russian)

s seven postulates on differentially con- e holonomy group is a finite Lie group. "basic" topological space B whose ele- opological spaces E. The first two postu- ate neighborhoods in each, $u^1, \cdots, u^n$ r in E. Postulates 3, 4, 5 may be com- ition of the mapping of $E(u+du)$ on $E(u)$ $\to x^i(u, du) = x^i(u) + f_j y^i(x(u); u)du^j + p^i$ (*) $dx^i = f_j y^i(x(u); u)du^j$. Postulate 6 in B contains admissible lines each being isting of a finite number of piecewise a finite sum of admissible lines in ad- point $M(u)$ may be connected to a fixed analytic admissible line; (d) through direction there is an admissible line. The an itself defined by the solutions of (*) closed curves through $M(u)$ define the the space, this group being the same for postulate requires this group to be an up. For this to be the case (*) must have $\omega^p(p = 1, \cdots, r)$, where $\omega^p = \Gamma^p_j(x(u))du^j$. tion of connections of N-dimensional ensional local spaces having a finite equivalent to the classification of Lie -dimensional representation. The author ble types of connection for $n = 1$.

M. S. Knebelman (Pullman, Wash.).

Spaces

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Vagner, G. F. Differen
their holonomy grou
(N.S.) 71, 597–600 (19
The author states
nected spaces whose hol
One starts with a "bas
ments are "local" topolo
lates define coordinate
in B and $x^1, \cdots, x^n$ in
bined into the definition
given by $x^i(u+du)$—
or equivalently as (*)
divided into: (a) B co
continuous and consi
analytic arcs; (b) a fin
missible; (c) every point
point $M(u_0)$ by an ana
each point in each direc
mappings of $E(u)$ on t
corresponding to all clos
holonomy group of the s
all points. The last possi
r-parameter Lie group. F
the form $dx^i = \xi_\alpha^i(x)\omega^\alpha$
Thus the classification
manifolds of n-dimensi
holonomy group is equi
groups having an n-dim
gives the four possible t
M.

Source: Mathematical Reviews, Vol 11 No. 9

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, G.F.

Laptev, G. F. On manifolds of geometric elements with a differential connection. Doklady Akad. Nauk SSSR (N.S.) 73, 17–20 (1950). (Russian)

Let the fundamental group of an n-dimensional space E be G_r defined by $dx^i = \xi_s^i(a)\cdot\vartheta^s(v, dv)$, $i, j, k = 1, \cdots, n$; $p, q, s = 1, \cdots, r$. In E there is a geometrical object F whose stationary subgroup g_r by a suitable choice of the basic invariants ϑ, may be determined by the completely integrable Pfaffian system $\vartheta^{p_1} = 0$, $p_1, s_1 = 1, \cdots, r_1 \leqq r$. In that

$$x^i(u+du) \to x^i(u, du) = x^i(u) + \xi_{s_1}^i(x(u), \cdots)\omega^{s_1}(u, du)$$

where $\omega^{s_1} = \Gamma_j^{s_1}(u)\,du^j$. Since x^i are the parameters of the fundamental group, x^i are functions of u and the complete mapping is given by

$$x^i(u+du; v+dv) \to x^i(u, v) + \xi_{s_1 s_2}^i(x(u, v), \cdots)\omega^{s_1 s_2}(u, v, du, dv) + \cdots$$

where $\omega^{s_1 s_2} = \Gamma_{p_1}^{s_1 s_2}\,dv^{p_1} + \Gamma_j^{s_1 s_2}\,du^j$ (where the arguments p_{12}, q_{12}, s_{12} for p, q, s is not specified). The forms $\omega^{s_1 s_2}$ must satisfy certain integrability [illegible] tensor, [illegible]

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invariants may be determined by the completely integrable Pfaffian system $\theta_\alpha^\rho=0$, $\rho_1, \sigma_1=1, \cdots, r_1 \leq r$. In that case the structure constants $c_{\rho_1 \sigma_1}^{\beta}=0$, $\rho_1, \sigma_1=r_1+1, \cdots, r$. The space E with the object of support F is now regarded as an element and the author considers them as elements of a topological N-dimensional cube, i.e., $EF(u)$ are functions of N parameters $u^1, \cdots, u^N$. The mapping of one element upon a neighboring one is then determined by ... is not apparent). The ... ρ_1, σ_1 ... forms ω^α must satisfy certain integrability conditions which lead to the following six tensors: a torsion tensor; a principal torsion tensor; a collateral torsion tensor; and three similar tensors for curvature. These tensors satisfy generalized Bianchi identities. *M. S. Knebelman* (Pullman, ...)

Source: Mathematical Reviews, Vol 12 No. 6.

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"APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R000928620019-4

LAPTEV, G. F.

"Varieties (Manifolds) of Geometrical Elements." Sub 18 Apr 51, Moscow Order of Lenin State U imeni M. V. Lomonosov.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55.

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LAPTEV, G.F.

Lapter, G. F. On fields of geometric objects on imbedded manifolds. Doklady Akad. Nauk SSSR (N.S.) 78, 197–200 (1951). (Russian)

In the present paper the author confines himself to fields of geometrical objects in manifolds with finite continuous fundamental groups. If G is this group and its basic invariant forms are ω^{α}, the equations of structure are then

$$D\omega^{\alpha} = \tfrac{1}{2}C^{\alpha}_{\beta\gamma}[\omega^{\beta}\omega^{\gamma}], \quad \alpha,\beta,\gamma = 1, \cdots, r.$$

The r-parameter group G with a subgroup H not containing a normal subgroup of G is called an abstract geometrical object element G (with fundamental group G and supporting groups H). The linearly independent invariant forms whose vanishing determines H are taken as basic forms ω^{s_1}, $s_1 = 1, \cdots, r$—these are the primary forms—and the remaining invariant forms of G are denoted by ω^{s_2}, $s_2 = r+1, \cdots$, and are called the secondary forms. A point $X^1, \cdots, X^N$ of any representation space of H of the element G/H is called a geometrical object of this element. These components must satisfy the completely integrable Pfaffian system $\omega^{s_2} = 0, dX^j = \Xi^j_{s_1}(X)\omega^{s_1}$. Tensors are characterized by such a system with Ξ being linear forms (with constant coefficients) $\Xi^j_{s_1 k} X^k$. The more general geometric objects are obtained by considering submanifolds of the group manifold of H defined by

$$\omega^{s_2} = \Lambda^{s_2}_{s_1}\omega^{s_1}, \quad s_1 = 1, \cdots, n, \quad s_2 = n+1, \cdots, r$$

and by the process of extending this group to some order p. The paper contains one or two bothersome misprints and a set of functions that are not clearly defined.

M. S. Knebelman (Pullman, Wash.).

Source: Mathematical Reviews, Vol. [illegible] No. [illegible]

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LAPTEV, G.F.

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*Laptev, G. F. On a new invariant analytic method of differential geometric investigations. Sto dvadcat' pyat' let neevklidovoi geometrii Lobacevskogo, 1826-1951 /One Hundred and Twenty-five years of the non-Euclidean geometry of Lobacevskii, 1826-1951/ pp. 175-178. Gosudarstv. Izdat. Tehn.-Teor. Lit., Moscow-Leningrad, 1952. 7.60 rubles.

This is a very general outline of a method developed in the seminar of G. P. Finikov to study local imbedding properties of manifolds in homogeneous spaces with the aid of external differential forms. The principal concepts are the abstract geometrical element G H, defined as a finite continuous group G with continuous subgroup H not containing normal divisors of G, and the geometrical object of this element G H, which is a point of the space of some representation of this subgroup H. Applications are promised to the differential geometry of n-dimensional surfaces of affine space of $\frac{1}{2}n(n+3)$ dimensions and other fields.

D. J. Struik (Cambridge, Mass.).

Mathematical Reviews
Vol. 14 No. 10
November 1953
Geometry

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LAPTEV, G. F.

USSR/Mathematics - Hypersurface, Conformal Space 21 Jan 52

"Invariant Construction of the Geometry of Hypersurface of Conformal Space," M. A. Akibis

"Dok Ak Nauk SSSR" Vol LXXXII, No 3, pp 325-328

Contains the invariative construction of the geometry of hypersurface of an n-dimensional space, which construction does not depend upon the "fitting out" of the surface as in A. P. Norden's works. Employs the method devedoped by G. F. Laptev, consisting of the application of the theory of representation of Lie groups and calcn of exterior differential forms in studies of subgroup manifolds. Submitted by Acad A. N. Kolmogorov 27 Nov 51.

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