KOZHINA, T.K. [deceased]

Geological and mineralogical characteristics of a standard sample for systematic studies of absoulte age determination. Biul.Kom. po opr.abs.vozr.geol.form. no.4:8-19 '61. (MIRA 15:1)
(Mineralogy, Determinative)
(Geological time)

KOZHINA, V.G., studentka; YAKOVLEVA, G.K.; NAPALKOV, P.N., professor, zaveduyushchiy.

Effect of the patient's position on the operating table upon the activity of the heart and lungs. Vest.khir. 73 no.3:50-55 My-Je '53. (MLRA 6:6)

1. Fakul'tetskaya khirurgicheskaya klinika Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta. (Surgery, Operative)

KOZHINA, V. G. (Leningrad, nab. kanala Griboyedova, d. 34, kv. 4)

Late results of osteoplastic hip amputations. Vest. khir. no.4: 78-84 '62. (MIRA 15:4)

1. Iz Leningradskogo nauchno-issledovatel'skogo instituta protezirovaniya (dir. - dotsent M. V. Strukov, nauchnyy rukovod. - prof. S. F. Godunov)

(EXCISION OF HIP)

KOZHINA, V. K.

USSR/Human and Animal Morphology - Blood Diseases R-4

Abs Jour : Referat Zhur - Biologii, No 16, 1957, 70633

Author : Kozhina, V.K.
Title : Blood Bilirubin and the Osmotic Resistance of Erythrocytes in Subtropical Anaemias.

Orig Pub : Tr. Stalinab. gos. med. in-ta, 1955, 16, 113-118

Abstract : In 15 out of 24 anemia patients with para and metamalarial hepatoleneal syndrome increased bilirubin was noted (B) in the blood and lowering of the minimal osmotic resistance of erythrocytes (ORE). Serum B of 30 patients with enterocolitic anemia, without hepatosplenomegaly was lowered and ORE increased. The B in the blood of pregnant patient with pernicious-type anemia was increased and ORE normal or slightly elevated.

Card 1/1

KOZHINA, V. K.

Kozhina, V. K.

"Changes in the protein composition of blood serum in liver diseases (electrophoretic investigation)." Stalinabad State Medical Inst. imeni Abulai-Ibn-Sino (Avitsenna). Stalinabad, 1956. (Dissertation For the Degree of Candidate in Medical Sciences).

Knizhnaya letopis'
No 34, 1956, Moscow.

GINZBURG, I.I.; OL'SHANSKIY, Ya.I. [deceased]; BELYATSKIY, V.V.;
Prinimali uchastiye: MUZHDENOVSKAYA, T.S., laborant;
ROZHDESTVENSKAYA, Z.S., laborant; KOZHINA, V.M., laborant;
FEODOT'YEV, K.M., otv.red.; SHLEPOV, V., red.izd-va; LAUT,
V.G., tekhn.red.

[Studies of experimental and technical petrography and mineralogy]
Issledovaniia po eksperimental'noi i tekhnicheskoi petrografii i
mineralogii. No.4: [Studies on oxidation of sulfides] Eksperi-
mental'nye issledovaniia po okisleniiu sul'fidov. Moskva,
Izd-vo Akad.nauk SSSR. 1961. 130 p. (Akademiia nauk SSR.
Institut geologii rudynkh mestorozhdenii, petrografii, mineral-
ogii i geokhimii. Trudy, no.59) (MIRA 14:7)
(Sulfides)

KOZHINA, Ye.S.

Morphological features of fish gills as related to their mode of feeding. Trudy Kar.fil.AN SSSR no.13:61-69 '58. (MIRA 13:5)
(Gills) (Fishes--Food)

POPOV, Igor' Vladimirovich; KONDRAT'YEVA, N.Ye., kand. tekhn. nauk, red.; KOZHINA, Z.M., red.; BRAYNINA, M.I., tekhn. red.

[Methodological principles for studying river channel processes]Metodicheskie osnovy issledovanii ruslovogo protsessa. Pod red. N.E.Kondrat'eva. Leningrad, Gidrometeoizdat, 1961. 204 p. (MIRA 16:2)

(Rivers)

VELIKANOV, Mikhail Andreyevich [deceased]; KALININ, G.P., otv. red.; KOZHINA, Z.M., red.

[Land hydrology] Gidrologiia sushi. 5. izd., dop. i perer. Leningrad, Gidrometeoizdat, 1964. 402 p. (MIRA 17:9)

RUDNEV, G.V., red.; KOZHINA, Z.M., red.; VOLKOV, N.V., tekhn. red.

[Concise psychrometric charts for agrometeorological stations] Kratkie psikhrometricheskie tablitsy dlia agrometeorologicheskikh postov; po dannym nabliudenii psikhrometrom aspiratsionnym. Leningrad, Gidrometeoizdat, 1962. 77 p.
(MIRA 16:7)
(Meteorology, Agricultural--Charts, diagrams, etc.)

IVANOV, K.Ye., doktor geogr. nauk, prof.; ROMANOV, V.V., kand. tekhn. nauk; SIDORKINA, L.M., kand.geogr. nauk; SHIFMAN, N.M., inzh.; BAVINA, L.G., inzh.; GALINOVSKAYA, I.A., inzh.; KOZHINA, Z.M., red.; CHEPELKINA, L.A., red.; SHATILINA, M.K., red.; BRAYNINA, M.I., tekhn. red.

[Hydrological calculation in the drainage of bogs and swampy soils] Gidrologicheskie raschety pri osushenii bolot i zabolochennykh zemel'. Pod red. K.E.Ivanova. Leningrad, Gidrometeoizdat, 1963. 447 p. ___[Supplement no.9. Maps] Prilozhenie no.9. Karty. (MIRA 16:12)

1. Leningrad. Gidrologicheskiy institut.
(Drainage)

BEFANI, Nenila Feofanovna; KALININ, Gennadiy Pavlovich; KOMAROV, V.D., otv. red.; KOZHINA, Z.M., red.

[Exercises and methodological developments on hydrologic forecasts] Uprazhneniia i metodicheskie razrabotki po digro-logicheskim prognozam. Leningrad, Gidrometeoizdat, 1965. 438 p. (MIRA 18:5)

ZHELEZNYAK, Iosif Aronovich; PYSHKIN, B.A., prof., otv. red.; KOZHINA, Z.M., red.

[Regulation of flood flow] Regulirovanie pavodochnogo stoka. Leningrad, Gidrometeoizdat. Pts.1 - 2. 1965. 325 p. (MIRA 18:9)

1. Chlen-korrespondent AN Ukr.SSR (for Pyshkin).

POPOV, Igor', Vladimirovich; SKORODUMOV, D.Ye., otv. red.; KOZHINA, Z.M., red.

[Riverbed deformations and hydraulic engineering; the hydrologic and morphologic theory of the evolution of the riverbed and its use] Deformatsii rechnykh rusel i gidrotekhnicheskoe stroitel'stvo; gidrologo-morfologicheskaia teoriia ruslovogo protsessa i ee primenenie. Leningrad, Gidrometeoizdat, 1965. 327 p. (MIRA 18:8)

SOV/96-59-3-14/21

AUTHORS: Kosterin, S.I., Doctor of Technical Sciences;
Kozhinov, I.A., Engineer and
Leont'yev, A.I., Candidate of Technical Sciences

TITLE: Pressure Pulsations in the Flow of Gas and Their Effect on Convective Heat-Exchange (Vliyaniye pul'satsiy davleniya v potoke gaza na konvektivnyy teploobmen)

PERIODICAL: Teploenergetika, 1959, Nr 3, pp 66-72 (USSR)

ABSTRACT: This article gives the results of theoretical and experimental investigations of convective heat-exchange in the presence of prolonged pressure pulsations in the gas flow. Very little theoretical or practical work has been done on the connection between external disturbances in the flow and the characteristics of the turbulent boundary layer. The first case to be considered theoretically is that of a turbulent boundary layer on a flat plate in the presence of periodic pulsations in the velocity of the main flow of gas. An integral equation for this case is first written, whence equation (15) is derived for the ratio of the resistance coefficient in the presence and absence of periodic

Pressure Pulsations in the Flow of Gas and Their Effect on Convective Heat-Exchange

velocity pulsations in the gas flows. The same equation can also be used to calculate the coefficients of heat- and mass-exchange under the same conditions. The case of a turbulent boundary layer in the initial section of a cylindrical tube is then considered in a similar manner. Formula (22) is derived for local values of the coefficients of friction in the initial section of the cylindrical tube: equations 23 and 24 are formulated for local and mean values of the Nusselt criterion. An experimental investigation is then described. This is particularly necessary because the semi-empirical method of calculation given above is based on assumptions that need verification. The experimental equipment is illustrated diagrammatically in Fig.1. Compressed air is heated to 400°C in an electric furnace and then passes through the experimental section of the equipment, after which it is discharged to atmosphere. Pulsations of pressure and velocity in the main flow of air were set up by means of a rotating disc which, together with the experimental section of the

Pressure Pulsations in the Flow of Gas and Their Effect on Convective Heat-Exchange

equipment, is illustrated in Fig.2. The experimental section consisted of a short cylindrical brass tube of 60 mm diameter fitted with calorimeter rings to measure heat flows. The first series of tests was made on a short tube. Temperature measurement from a number of the tests are presented graphically in Fig.3. It will be seen that the experimental points fall close to the theoretical straight lines. In addition to the measurement of the temperature distribution at the radius of the rings, measurements were made of the tube wall temperature under each ring; also of the profile of velocity and temperature at the inlet to and outlet from the experimental sections. Pressure variations were recorded oscillographically: some typical traces are reproduced in Fig.4. Drawings of the rotating disc used in these tests are given in Fig.5. The experimental figures obtained in the tests are tabulated: the range of Reynolds numbers was from 6.5×10^4 to 1×10^5, the air temperature was up to 400°C, the pressure pulsation

Pressure Pulsations in the Flow of Gas and Their Effect on Convective Heat-Exchange

frequency was 900 c/s and the relative amplitude up to 0.536. It will be seen that there is an appreciable increase in the heat-transfer coefficients when pressure pulsations are present. In Fig.6 the test results are plotted to show the change of heat-transfer coefficient and wall temperature along the length of the model. These graphs also give the results of calculations of the distribution of heat-transfer coefficient by the procedure earlier described. It will be seen that there is satisfactory agreement between theory and experiment. The results of an experimental verification of the final criterial design formulae are given in Fig.7. This graph includes all the experimental points obtained in the tests. It follows that, within the range of the criteria obtained in the first part of the article and covered by the tests, the formulae offered for calculating convective heat-exchange in the

Pressure Pulsations in the Flow of Gas and Their Effect on Convective Heat-Exchange

presence of pressure pulsations in the gas flow are in good agreement with the experimental data. There are 7 figures, 1 table and 6 references of which 2 are Soviet, 3 English and 1 German.

ASSOCIATION: Energeticheskiy institut AN SSSR (The Power Institute Ac.Sc.USSR)

Card 5/5

BRDLIK, P.M.; KOZHINOV, I.A.; PETROV, N.G.

Experimental investigation of heat and mass transfer during the condensation of water vapor from humid air on a vertical surface under natural convection conditions. Inzh.-fiz. zhur. 8 no.2:243-246 F '65. (MIRA 18:5)

1. Institut stroitel'noy fiziki, Moskva.

KOZHINOV, I.V.

Water supply for small settlements under arctic conditions.
Vod.i san.tekh. no.3:33-34 Mr '62. (MIRA 15:8)
(Alaska--Water-supply engineering, Low temperature)

KOZHINOV, I.V.

New York's water supply. Gor.khoz.Mosk. 36 no.1:50-51 Ja '62.
(New York (City)—Water supply)

KOZHINOV, V.

Scientists contribute to municipal economy. Zhil.-kom.khoz. 4 no.7:4-7 '54. (MLRA 8:1)

1. Zamestitel' direktora Akademii kommunal'nogo khozyaystva im. K.D.Pamfilova.
(Municipal services)

KOZHINOV, Valer'ian Fedorovich.

Reference book on water supply and sewer systems Moskva, Gos. izd-vo stroit. lit-ry, 1947
406 p. (Spravochniki po stroitel'-nym i montazhnym rabotam)

KCZHINOV, V F

N/5
853
.K8

Avtomatizatsiya stantsiy ochistki i obrabotki vody (Automatization of stations for the purification and processing of water) Moskva, Leningrad, Izd-vo Ministerstva Kommunal'nogo Khozyayztva RSFSR, 1948.
(197) p. illus., diagrs., tables.
Bibliography: p. 193-(197)

Kozhinov, Valerian F.

Kozhinov, Valerian F.: Ochistka pit'evoi i tekhnicheskoi vody (Purifying of Potable and Industrial Water). ; Moscow: State Pub. House of Lit. on Building an ! Architecture. 1952. 170 pp.

KOZHINOV, V.F.

ABRAMOV, Nikolay Nikolayevich, professor, doktor tekhnicheskikh nauk; KOZHINOV, V.F., kandidat tekhnicheskikh nauk, retsenzent; KONIUSHKOV, A.M., kandidat tekhnicheskikh nauk, nauchnyy redaktor; PROSTOSERDOV, A.P., redaktor; DAKHNOV, V.S., tekhnicheskiy redaktor

[Fundamentals of water-supply engineering] Osnovy vodosnabzheniia. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1955. 120 p. [Microfilm] (MLRA 8:3)

(Water-supply engineering)

KOZHINOV, V.F.; POPKOVICH, G.S.; KARLINSKAYA, M.I.; KUBLANOVSKIY, L.B., kandidat tekhnicheskikh nauk, retsenzent; KONYUSHKOV, A.M., kandidat tekhnicheskikh nauk, redaktor; SMIRNOV, A.P., redaktor; PERSON, M.N., tekhnicheskiy redaktor.

[Automation in the work of water supply and sewage disposal installations] Avtomatizatsiia raboty vodoprovodno-kanalizatsionnykh sooruzhenii. Moskva, Gos.izd-vo lit-ry po stroitel'stvu i arkhitekture, 1955. 257 p. (MLRA 9:1)
(Automation--Water-supply engineering)
(Sewage--Purification)

KOZHINOV, V. F.

KOZHINOV, V.F., kand.tekhn.nauk; red.; ZASOV, I.A., kand.tekhn.nauk,red.; GUSYATINSKIY, A.I., red.; POLKOVSKIY, M.A.,red.; KHRISTENKO, V.P., red.izd-va; VOLKOV, S.V., tekhn.red.

[New engineering equipment for municipal services] Novaia tekhnika v gorodskom khoziaistve. Moskva, Izd-vo M-va kommun. khoz.RSFSR, 1957. 215 p. (MIRA 11:1)

1. Akademiya kommunalnogo khozyaystva, Moscow.
(Municipal engineering--Equipment and supplies)

KOZHINOV, Valerian Fedorovich, dotsent, kand.tekhn.nauk; SALAZKOV, N.P., tekhn.red.

[Theory of the free submersion of pipelines and its use in constructing subaqueous crossings] Teoriia svobodnogo pogruzheniia truboprovoda i ee primenenie v praktike ustroistva podvodnykh perekhodov; nauchnoe soobshchenie. Moskva, Izd-vo M-va kommun.khoz. RSFSR, 1959. 53 p. (MIRA 13:4)

(Pipelines)

KOZHINOV, V.F., dots., kand.tekhn.nauk; TERENIN, M.P.

Laying subaqueous gas mains under winter conditions. Gor.khoz.Mosk. 33 no.2:19-22 F '59. (MIRA 12:3)

1. Zamestitel' komandira 3-go otryada podvodno-tekhnicheskikh rabot Ministerstva rechnogo flota.
(Pipelines)

KOZHINOV, V.F.

Resistance of underwater pipelines to the hydrodynamic pressure of the crossed stream. Vod. i san.tekh. no.4:27-30 Ap '59. (MIRA 12:5)

(Pipelines)

KOZHUKOV, V. F., Dr Tech Sci — (diss) "Basis for the theoretical calculations and engineering of underwater pipelines," Moscow, 1960, 44 pp (Moscow Engineering Construction Institute im. V. V. Kuybyshev), (KL, 37-60, 141)

KOZHINOV, Valer'yan Fedorovich; KONYUSHKOV, A.M., red.; KOROGODIN, A.S., red. izd-va; LELYUKHIN, A.A., tekhn. red.

[Ozonization of drinking water] Ozonirovanie pit'evoi vody. Moskva, Izd-vo M-va kommun. khoz. RSFSR, 1961. 85 p. (MIRA 14:11)
(Water—Ozonization)

KOZHINOV, V.F., prof., doktor tekhn.nauk

Ozonization of water. Gor.khoz.Mosk. 36 no.8:20-22 Ag '62. (MIRA 16:1)

(Water—Ozonization)

KOZHINOV, Valerian Fedorovich, prof., doktor tekhn. nauk;
KAZ'MIN-BALASHOV, A.I., inzh., nauchn. red.

[Drinking water and feedwater purification; examples and calculations] Ochistka pit'evoi i tekhnicheskoi vody; primery i raschety. 2. izd. Moskva, Stroiizdat, 1964. 271 p.
(MIRA 17:11)

VAKHLER, Boris L'vovich, kand. tekhn. nauk; SOLUYANOV, P.A., [illegible], retsenzent; MATVEYEV, N.A., kand. tekhn. nauk, retsenzent; KOZHINOV, V.F., doktor tekhn. nauk, retsenzent

[Ozonization of the water of the Northern Donets-Donets Basin Canal for drinking purposes] Ozonirovanie vody kanala Severnyi Donets-Donbass dlia pit'evykh tselei. Moskva, Stroiizdat, 1965. 83 p. (MIRA 18:12)

KOZHINOVA, L. A.

CA

15

Self-purification of city soil. L. A. Kozhinova. Gigiena i Sanit. 1951, No. 4, 19–21. The surface soil in cities, contg. appreciable amts. of waste matter and building waste, represents a medium in which biochem. decompn. processes proceed rather rapidly. The "sanitary no." and the coli titer are safe indexes of the condition of the soil, while ammo-N and nitrate-N indicate the course of the decompn. of org. materials, which correlates well with the bacterial population. Such self-purification of a sample of typical city soil, however, is not complete within a 4.5-month's exptl period.
G. M. Kosolapoff

1951

KOZHINOVA, L. A.

USSR / Microbiology. Hygienic Microbiology. F-4

Abs Jour : Ref Zhur - Biol., No 20, 1958, No. 90881

Author : Khlebnikov, N. I.; Kozhinova, L. A.; Lebedeva, M. V.; Kichenko, N. G.

Inst : ~~Not given~~ Inst. of General & Communal Hygiene AMS USSR

Title : The Problem of Using Sewage Water for Fertilizer on Farm Land

Orig Pub : Gigiyena i sanitariya, 1957, No 2, 31-35 (res. Eng.)

Abstract : A study was made of the influence of non-vegetative and vegetative irrigation of podzolic sandy and loam soils by sewage waters (clarified and sedimented) on the sanitary condition of the soil and the vegetables cultivated in it. The sanitary state of the soil and vegetables was determined by a coli index and by the number of eggs of the helminths, and a sanitary count was also done on the soil. In the vegetative period accompanied by the use of clarified

Card 1/2

[illegible], [illegible]; [illegible], [illegible]; [illegible], [illegible]; [illegible], [illegible] I.; [illegible], [illegible]; [illegible], [illegible]; [illegible], [illegible]; [illegible], [illegible]; [illegible], [illegible]; [illegible], [illegible]; [illegible], [illegible]; [illegible], [illegible]; [illegible], [illegible]

"Hygienic evaluation of the [illegible] of [illegible] drainage waters on agricultural lands."

Report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

KOZHINOVA, L.A., kand.meditsinskikh nauk (Moskva)

Efficient methods for cleaning populated areas and the prevention of helminthic diseases. Fel'd. i akush. 25 no.6:51-54 Je '60. (MIRA 13:9)

(SEWAGE DISPOSAL) (WORMS, INTESTINAL AND PARASITIC)

SHTEYN, N.I.; KOZHINSKAYA, B.S.

Experimental investigation of self-modulation in self-controlled electron-tube oscillators. Trudy NIIGMP no.6:121-128 '58. (MIRA 12:2)

(Oscillators, Electron-tube) (Radiosondes)

KOZINSKIY, I.I.

PHASE I BOOK EXPLOITATION SOV/5658

Ivanov, Aleksandr Petrovich, Candidate of Technical Sciences, and Viktor Dmitriyevich Lisitsyn, Candidate of Technical Sciences, eds.

Modernizatsiya kuznechno-shtampovochnogo oborudovaniya (Modernization of Die-Forging Equipment) Moscow, Mashgiz, 1961. 226 p. Errata slip inserted. 10,000 copies printed.

Reviewer: V. Ye. Nedorezov, Candidate of Technical Sciences; Ed. of Publishing House: T. L. Leykina; Tech. Ed.: A. A. Bardina; Managing Ed. for Literature on Machine-Building Technology (Leningrad Department, Mashgiz): Ye. P. Naumov, Engineer.

PURPOSE: This book is intended for foremen, machinists, designers, and process engineers concerned with the modernization and designing of die-forging equipment. It may also be used by students at schools of higher education.

COVERAGE: The book contains material presented at the Conference

Card 1/8

on Problems in the Modernization and Operation of Die-Forging Equipment, held in November 1958 in Leningrad. The Conference was called by Leningradskiy Sovet narodnogo khozyaystva, Sektsiya obrabotki metallov davleniyem Leningradskogo oblastnogo pravleniya NTO Mashprom (Leningrad Council of the National Economy, Section of Metal Pressworking at the Leningrad Oblast Board of the Scientific and Technical Society of the Machine Industry) and Leningradskiy mekhanicheskiy institut (Leningrad Mechanical Engineering Institute). Actual problems in the modernization, operation, and repair of die-forging equipment are described. Analyses are provided for problems involved in the mechanization and automation of die-forging and stamping operations. Also included are practical data to be used in the modernization of equipment. No personalities are mentioned. There are 59 references: 56 Soviet, 2 German, and 1 English.

TABLE OF CONTENTS:

Modernization of Die-Forging Equipment SOV/5658

AVAILABLE: Library of Congress

VK/wrc/ec
11-7-51

Card 8/8

GUTSALYUK, V.G.; YATSENKO, E.A.; [illegible], V.M.; KOZHINSKIY, I.S.

Oxidation of the heavy matters of Emba petroleum. Trudy Inst. khim. nauk AN Kazakh. SSR 11:122-129 '64. (MIRA 17:11)

KOZHINSKIY, L. I., ENGR

USSR/Metals - Malleable Iron, Casting Feb 52

"Technological Adaptability of Machine Parts Cast of Malleable Iron," L. I. Kozhinskiy, Engr, Gor'kiy Automobile Plant imeni Molotov

"Litey Proizvod" No 2, pp 7-9

Discusses requirements for proper design of castings out of malleable iron and gives several examples of automobile parts, analyzes defects occurring in their castings and suggests measures for improvement, such as elimination of hot cracks by modification of design or constructional changes which permit forming of casting cavity in one half of mold.

207T87

KOZHINSKIY, L. I.

Founding

Technique of cutting cast figures and busts. Lit prom. 2 No. 8, 1952.

Monthl. List of Russian Accessions, Library of Congress, December 1952 UNCLASSIFIED

KOZHINSKIY, L.I.

Combined sand cores, and the making of cores without pasting. Lit.proizv. no.6:7-9 Je '53. (MLRA 6:7)
(Patternmaking)

KOZHEVNIKOV, L. I.

KOZHEVNIKOV, L. I. -- "Investigation of Cold Fissures in Automobile Castings of Malleable Cast Iron." Min Higher Education USSR/ Gor'kiy Polytechnic Inst imeni A. A. Zhdanov. Gor'kiy, 1955 (Dissertation for the Degree of Candidate in Technical Sciences.)

SO: Knizhnaya Letopis', No. 9, 1956

KOZHINSKIY, L. I.

USSR

10619* Investigation of the Mechanical Properties of White Cast Iron and the Stresses in It. Issledovanie mekhanicheskikh svoistv belogo chuguna i napriazhenii v nem. (Russian.) L. I. Kozhinskii. *Liteinoe Proizvodstvo*, 1955, no. 4, Apr., p. 19-22. Modulus of elasticity and bending strength determinations. Effects of C content and other constituents. Diagrams, graphs, tables, micrographs. 4 ref.

KOZHINSKIY, L.I., kandidat tekhnicheskikh nauk.

Effect of the design of automobile castings on the appearance of cold cracks. Avt. i trakt. prom. no.2:35-40 F '57. (MIRA 10:3)

1.Gor'kovskiy politekhnicheskiy institut.
(Iron founding)

Kozhinskiy, L. I.

137-1957-12-24067

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 12, p 166 (USSR)

AUTHOR: Kozhinskiy, L. I.

TITLE: Identifying and Distinguishing Cold Cracks (Opredeleniye i otlichiye kholodnykh treshchin)

PERIODICAL: V sb.: Novoye v liteyn. proiz-ve. Nr 2. Gor'kiy, Knigoizdat, 1957, pp 107-109

ABSTRACT: From many years of experience at the GAZ malleable foundry an objective sign in distinguishing between a hot and a cold crack (CK) in wrought iron is found in the fact (if the annealing is carried out in a neutral atmosphere) that the surface of the walls of a hot CK is dendritic, while that of a cold CK is crystalline. If, after annealing, the surface of the wall of a crack is so damaged that a visual inspection fails to yield any clues on its nature, use is made of microscopic investigation. A microstructural sample, taken perpendicularly to the surface of the CK, shows that in a cold CK the number of anneal-inclusions of C is greater in its vicinity than the average over the remainder of the section, whereas, in the case of a hot CK it is the same as in the remainder of the section. The explanation lies in the fact that a

Card 1/2

137-1957-12-24067

Identifying and Distinguishing Cold Cracks

cold CK, as a process of separation along the crystals of a fragile metal, represents cold-hardening for which, as is known, the number of anneal inclusions of C is increased.

L. D.

1. Cast iron-Failure 2. Cast iron-Fracture 3. Cast iron-Inspection

Card 2/2

KOZHINSKIY, L.I.

Factors contributing to the appearance of graphitization. Lit. proizv. no. 4:31-35 Ap '61. (MIRA 14:4)
(Cast iron--Metallography) (Annealing of metals)

KOZHINSKIY, L.I., kand.tekhn.nauk

Nucleation of centers of graphitization following plastic deformation of white cast iron. Metalloved. i term. obr. met. no.5:26-28 My '61. (MIRA 14:5)

1. Gor'kovskiy politekhnicheskiy institut.
(Cast iron--Metallography) (Metal crystals--Growth)

KOZHINSKIY, L.I.

Obtaining iron castings with a chilling layer in heated molds. (MIRA 15:11)
Lit.proizv. no.9:37-38 S '62.
(Iron founding)

KOZHINSKIY, L. I.

Chilling of castings by the method of local internal annealing. Izv. vys. ucheb. zav.; chern. met. 5 no.12:146-152 '62. (MIRA 16:1)

1. Gor'kovskiy politekhnicheskiy institut.

(Iron founding) (Tellurium)

ACC NR: AT7004924 SOURCE CODE: UR/0000/66/000/000/0028/0034

AUTHOR: Kozhinskiy, O. S. (Moscow)

ORG: none

TITLE: Statistical methods of determining characteristics of distributed-parameter plants

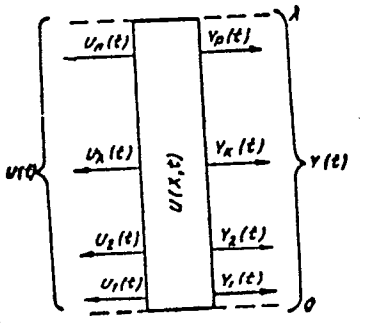
SOURCE: Vses. konf. po avtomatich. kontrol i metodam elektrich. izmereniy, 6th, 1964. Avtomatich. kontrol' i metody elektrich. izmereniy; tr. konf., t. I: Teoriya izmerit. info. sistem (Automatic control and electrical measuring techniques; transactions of the conference, v. 1: Theory of measuring information systems). Novosibirsk, Izd-vo Nauka, 1966, 28-34

TOPIC TAGS: automatic control system, automatic control theory

ABSTRACT: As statistical methods of determining distributed-parameter-plant characteristics have been insufficiently developed and as such plants are widely used in practice (metallurgical, chemical processes), the present article examines a random field as a mathematical model of the distributed-parameter process. The distributed parameter $U(\lambda, t)$ is a random function of time t and spatial coordinate λ. If U is distributed in a multidimensional space, λ is a vector of the corresponding number of measurements. The plant output, in the general case, is a

Card 1/2

ACC NR: AT7004924



random vector function $Y_k(t)$ with $k = 1, \ldots, p$, (see figure). An optimal prediction of $Y_k(t)$ from the results of field measurements $U(\lambda, t)$ is sought. This problem is equivalent to finding the plant operator between the field $U(\lambda, t)$ and the output $Y_k(t)$. A widely used practical case is considered when both $U(\lambda, t)$ and $Y(t)$ are stationary Gaussian random functions with normal joint probability densities. Three practical cases are considered: (1) Arguments t and λ are discrete; (2) t is continuous, λ is discrete; (3) Both t and λ are continuous. Formulas for the plant operator are derived. It is proven that in order to find the optimal system and to evaluate its accuracy, it is sufficient to know the moments of random functions $U_\lambda(t)$ with $\lambda = 1, \ldots, n$ and $Y_k(t)$ of the first two orders, the autocorrelation function $Y_k(t)$ being defined by its value in the origin of coordinates; the latter value can be determined experimentally during the normal operation of the plant in question. "The author wishes to thank N. S. Raybman for his advice." Orig. art. has: 1 figure and 26 formulas.

SUB CODE: 09, 12 / SUBM DATE: none / ORIG REF: 007

Card 2/2

ACC NR: AP6029547 SOURCE CODE: UR/0103/66/000/008/0085/0092

AUTHOR: Kozhinskiy, O. S. (Moscow)

ORG: none

TITLE: Statistical methods for mathematical description of systems with distributed parameters

SOURCE: Avtomatika i telemekhanika, no. 8, 1966, 85-92

TOPIC TAGS: optimal control, control statistics, parameter, correlation function, approximation error, mean square error, mathematic model, mathematic operator

ABSTRACT: Statistical methods for mathematical description of systems with distributed parameters based on data on the normal functioning of factories are examined. A model of a factory with distributed parameters is used (see Fig. 1). The relation operator between the field and the input variable is determined by extending the concept of multiple linear regression to the case of an infinitely large number of independent variables:

$$M[U_n(\lambda, t)\,|\,X(t-\tau)] = a_n^{ux}(\lambda) + \sum_{\mu=1}^{m} \int_0^T w_{n\mu}^{ux}(\lambda, \tau) X_\mu(t-\tau)\, d\tau$$

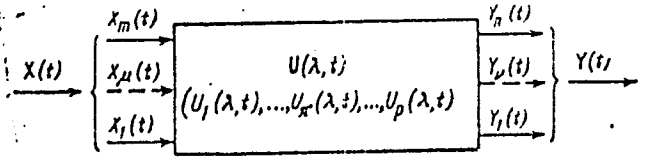
$$(n = 1, \ldots, p),$$

UDC: 62-505

Card 1/2

ACC NR: AP6029547

Fig. 1. Model of factory with distributed parameters



where $M[U_\pi(\lambda, t) | X(t-\tau)]$ is the relative mathematical expectation of $U_{\eta\tau}(\lambda, t)$ for $X(t)$, which is the bound of $U_{\eta\tau}(\lambda, t)$ for the values of $X(t)$ observed in interval T; $a_{\eta\tau}^{u_x}(\lambda)$ is a free function; and $w_{\pi\mu}^{ux}(\lambda, t)$ is the multiple regression function. The relation operators between the components of the field and between the output variable and the field are determined. Examples of the use of these operators in optimal control problems are given. The author thanks N. S. Raybman for advice. Orig. art. has: 25 formulas and 2 diagrams.

SUB CODE: 12,13 / SUBM DATE: 16Jul65/ ORIG REF: 012

Card 2/2

KOZHINSKIY, S.S.; PARKMAN, Ye.R.

Automatic line for machining the piston of a telescopic shock absorber. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i tekh.inform. 18 no.5:27-28 My '65. (MIRA 18:6)

DADABAYEV, A.Yu.; KOROTKOVA, P.I.; KOZHIKOVA, S.Ye.

Sorption of certain metals by KB-4 carboxylic resin. Trudy Inst. met. i obog. AN Kazakh. SSR 9:51-55 '64. (MIRA 17:9)

DADABAYEV, A.Yu.; SUKHCHENKO, S.N.; KOZHIROVA, S.Ye.

Using a KU-2 industrial cationite for the absorption of metals from solutions. Trudy Inst. met. i obog. AN Kazakh. SSR 9:116-120 '64. (MIRA 17:9)

L 39815-66 EWT(m)/ETC(f)/EWG(m)/EWP(t) IJP(c) RDW/JD/GD-2
ACC NR: AP6011011 SOURCE CODE: UR/0080/66/039/003/0528/0537

AUTHOR: Chernyayev, V. N.; Kozhitov, L. V.; Pobedskaya, L. G.

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

TITLE: Study of high purification of tellurium oxide by fractional distillation

SOURCE: Zhurnal prikladnoy khimii, v. 39, no. 3, 1966, 528-537

TOPIC TAGS: tellurium, vacuum distillation, fractional distillation, metal purification

ABSTRACT: Fractional distillation of technical tellurium was carried out in apparatus used earlier for the distillation of mercury, cadmium, and zinc. The residual pressure at the exit from the bubble plate column was no higher than 1×10^{-5} mm Hg. A tellurium bar 1-1.5 m long was obtained after the experiment. Analyses of specimens taken from this bar at 5-10 cm intervals determined the composition of the various fractions and the behavior of the impurities during distillation. The metal obtained was spectroscopically pure with respect to the content of the impurities studied (Se, S, Fe, Mg, Al, Bi, Sb, Au, Pb, As, Sn, Cu, Si). Results of the

Card 1/2 UDC: 66.048 + 546.24

L 39815-66

ACC NR: AP6011012

analysis permit the recommendation of vacuum distillation for the preparation of high-purity tellurium. Zone refining was found to be ineffective in removing selenium and sulfur from tellurium. Orig. art. has: 4 figures and 4 tables.

SUB CODE: 11/ SUBM DATE: 31Mar65/ ORIG REF: 012/ OTH REF: 013

Card 2/2 MLP

KOZHKAREV, D.G., DANILTSEV, E.I., VLADIMIRSKIY, V.V., [illegible], N.N.
(U.S.S.R.)

Ejection scheme for an A. G. 7 GeV machine

CERN-Symposium on High Energy Accelerators and Pion Physics

Geneva 11-23 June 56
In. Branch #5

KOZHIAYEV, M.D., prof.

Hypertrophy of the lingual tonsil. Vest.otorin. 21 no.3: 90-91 My-Je '59. (MIRA 12:9)

1. Iz kliniki bolezney ukha, gorla i nosa Azerbaydzhanskogo instituta usovershenstvovaniya vrachey, Baku.
(TONSILS, dis.
lingual, hypertrophy (Rus))

KOZHLAYEVA, U. I., CAND MED SCI, "CLINIC OF CLOSED BONE FRACTURES, COMPLICATED BY ~~PROLONGED~~ protracted COMPRESSION OF SOFT TISSUES, IN RADIATION SICKNESS. (EXPERIMENTAL INVESTIGATION)." MOSCOW, 1960. (STATE SCI RES ROENTGENO-RADIOLOGICAL INST of MIN OF HEALTH RSFSR). (KL, 2-61, 218).

ACC NR: AR6027508 SOURCE CODE: UR/0137/66/000/004/I055/I055

AUTHOR: Kozhogulov, O. Ch.

TITLE: Analysis of the nickel concentration in fractures of 1Kh18N9T steel

SOURCE: Ref. zh. Metallurgiya, Abs. 4I376

REF SOURCE: Tr. Frunzensk. politekhn. in-ta, vyp. 22, 1964, 51-53

TOPIC TAGS: heat resistant steel, x ray analysis / 1Kh18N9T steel

TRANSLATION: The distribution of Ni was studied in fractures of heat-resisting 1Kh18N9T stainless steel by means of x-ray spectral analysis. The Ni concentration was determined relative to Fe, the content of which was assumed to be the same in a fracture and in a microsection and to be equal to 70.3%. Four samples which had been previously tested in tension for the following heat treatments were analyzed: 1) 1150°C, water quenched; 2) 1150°C, air quenched--impact tested for a_k; 3) 1050°C, water quenched; 4) 1000°C, water quenched. The Ni content in both tests was found to be different from its average concentration on a microsection. The following data were obtained for Ni contents (wt %) in tests on the four samples: treatment 1--9.46 ± 1, treatment 2--9.1 ± 0.24, treatment 3--7.4 ± 0.37, treatment 4--8.5 ± 0.16. V. Olenicheva.

SUB CODE: 11,13

UDC: 669.4.011:669.15.018.4

Card 1/1

S/056/63/044/004/003/044
B102/B186

AUTHORS: Kozhokaru, V., Petrashku, M.

TITLE: Angular correlation of cascade gamma quanta of the 440 - 337 kev transition of the Sm^{150} nucleus

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 44, no. 4, 1963, 1141 - 1143

TEXT: Tablets pressed from samarium oxide (10 mm in diam, 1 mm height) were exposed to a collimated thermal neutron beam from a BBP-C-2 (VVR-S-2) reactor. The angular correlation of the cascade gamma quanta emitted in E_{II}-E_I-E_o transitions (E_{II} = 777 kev, E_I = 337 kev) by $_{62}Sm^{150}$ nuclei was measured for the angles 90, 135 and 180° using a 400-channel analyzer. The transition characteristics were: 2(0.72E2 + 0.28M1) 2(2)0; 2(0.99E2 + 0.01M1)2(2)0; 3(0.98E2 + 0.02M1)2(2)0. From the amounts of M1 admixture and the counting rate ratios $W(\varphi)/(W(\pi/2)-1)$ (which were 0.082 ± 0.020 for 135° and 0.170 ± 0.015 for 180°; they are also compared with theoretical values (ANL-5324, 1954), the spin of the 777-kev level was determined to be 4. There are 3 figures and 1 table.

Card 1/2

Angular correlation of cascade...

ASSOCIATION: Institut atomnoy fiziki Bukharest (Institute of Atomic Physics, Bucharest)

SUBMITTED: October 25, 1962

Card 2/2

POPOV, Aleksandr Nikolayevich, prof.; STOROZHENKO, Vyacheslav Petrovich, inzh.; SHMIDT, Leonid Moiseyevich, kand. tekhn. nauk; CHERKINSKIY, Yuriy Samoylovich, kand. tekhn.nauk; KOZHOKHIN, A.A., otv. za vypusk; NOVOCHADOVA, L.A., red.

[New building materials; facts and figures] Novye stroitel'nye materialy; tsifry i fakty. Moskva, Izd-vo "Znanie," 1963. 44 p. (MIRA 16:11)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Popov). 2. Starshiy referent Pravleniya Vsesoyuznogo obshchestva "Znanieye" (for Kozhokhin).
(Building materials)

SHISHLYANNIKOV, Leonid Mikhaylovich; Nikolay Kuz'mich; KOZHOKIN, Moisey Iosifovich, zhurnalist; LAVRUKHIN, Ivan Nikitich, st. nauchn. sotr.; ITINA, N.G., red.

[Stubble and postharvest crops, practices of collective and state farms of the Talovaya Agricultural Administration in Voronezh Province and of collective and state farms in Belgorod Province] Strnishchnye i posleuborochnye posevy; opyt kolkhozov i sovkhozov Talovskogo sel'skokhozyaistvennogo upravleniia Voronezhskoi oblasti i kolkhozov i sovkhozov Belgorodskoi oblasti. Voronezh, Tsentr.-Chernozemnoe knizhnoe izd-vo, 1964. 35 p. (MIRA 18:1)

1. Belgorodskaya oblastnaya sel'skokhozyaistvennaya opytnaya stantsiya (for Lavrukhin).

KALYUZHNYY, I.T.; SIDOROVA, L.N.; BURMIN, L.; AKTAYEV, S.; TEPLITS, V.V.; ZUYEV, V.N.; POKROVSKAYA, T.I.; KOZHOMKULOV, T.A.; LAVROVA, N.N., prof., red.; ZUBOK, Ya.Z., tekhn. red.

[Read this, this is useful] Prochitai, eto polezno. Frunze, 1962. 10 nos. [Botkin's disease] Bolezn' Botkina. 19 p. [Communicable (infectious) diseases in children] Detskie zaraznye (infektsionnye) bolezni. 18 p. [Helminths and the harm they cause to human health] Gel'minty i ikh vred dlia zdorov'ia cheloveka. 26 p. [Work hygiene of the beet grower] Gigiena truda sveklovoda. 12 p. [Hygienic regimen of the schoolchild] Gigienicheskii rezhim shkol'nika. 24 p. [Fungus diseases of the skin] Gribkovye zabolevaniia kozhi. 24 p. [Prevention and treatment of cardiac and vascular diseases] Preduprezhdenie i lechenie boleznei serdtsa i sosudov. 19 p. [Prevention and treatment of rickets] Rakhit, ego preduprezhdenie i lechenie. 8 p. [Old age and longevity] Starost' i dolgoletie. 14 p. [Vitamins and their significance for human health] Vitaminy i ikh znachenie dlia zdorov'ia cheloveka. 22 p. (MIRA 17:3)

FEDOTOV, P.V.; KOZLOMKULOV, T.A.; MAMYTOV, B.M.

Chemical composition and antibacterial properties of maksym, the Kirghiz national beverage. Sov. zdrav. Kir. no.4/5:85-89 J1-O'63 (MIRA 17:1)

1. Iz Kirgizskogo instituta epidemiologii, mikrobiologii i gigiyeny (dir. - kand. med. nauk V.M. Perelygin) i kafedry gigiyeny sanitarnogo fakul'teta (zav. - dotsent B.M.Mamytov) Kirgizskogo gosudarstvennogo meditsinskogo instituta.

KOZHONAZAROV, K.K.

Capillary toxicosis developed in an 8-month-old child after an antimeasles inoculation. Sov. zdrav. Kir. no.4/5:123 Jl-O'63 (MIRA 17:1)

1. Iz Dzhalal-Abadskoy detskoy bol'nitsy Kirgizskoy SSR (glavnyy vrach - G/Ye. Tartysheva).

Card 1/1

KOZHOV, M. M.

Mollusks of Lake Baikal Moskva, 1936 (Akademiia nauk. Baikal'skaia, limnologicheskaid stantsiia. t. 8.)

KOZHOV, M. M.

"On the Occurrence of the Baykal Polychaeta (Manayunkia Baicalensis Nussb.) in the Lakes of the Basin of the Vitim River," Dokl. AN SSSR, 35, No.2, 1942.

Biological Geographical Inst., Irkutsk State U.

KOZHOV, M. M.

"Baikalian Molluscs from Kossogol (Mongolia)," Dokl. AN SSSR, 52, No.4, 1946

Biol. Geograph. Inst., Irkutsk State U.

KOZHOV, M.M.

KOZHOV, M.M. Baikal. Irkutsk, Irkutskoe oblastnoe izd-vo, 1948. 28 p.

So: LC, Soviet Geography, Part II, 1951/Unclassified.

KOZHOV, M. M.

Kozhov, M. M. "Toward our knowledge regarding the plankton of Lake Baykal," Izvestiya Biol.-geogr. nauch.-issled. in-ta pri Irkut. gos. un-te im. Zhdanova, Vol. X, Issue 2, 1948, p. 4-26.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

E1.R
E5.R
A2h.R

KOZHOV, M. M.
Professor

Irkutskiy gosudarstvennyy universitet.
" Rastushchiy nauchnyy tsentr Vostochnoy Sibiri" .

Development of university; statistical data.

Source: Vestnik Vysshey Shkoly, No. 5, 1949, pp. 47.
Izdatel'stvo, " Sovetskaya Nauka" .

P-5444

KOZHOV, M. M.

33926. K Istorii Ozyernykh Sistyem Zabaykal'ya I Pribaykaliya I Ikh Fauny. Trudy Vsyesoyuz. Gidrobiol. O-va, T.1, 1949, C. 210-23. — Bibliogr: 24 Nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 46, Moskva,1949.

KOZHOV, M. M.

Kozhov, M.M. I Tomilov A.A.

33942. O Novykh Nakhodkakh Baykal'skoy Fauny Vnye Baykala. Trudy Vsyesoyuz. Gidrobiol. O-va, T. 1, 1949. S. 224-27. -- Bibliogr: 10 Nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 46, Moskva, 1949.

KOZHOV, M.M., doktor biologicheskikh nauk, professor.

[Lake Baikal and its life] Baikal i ego zhizn'. Moskva, Izd-vo "Znanie," 1953. 44 p.

(MLRA 6:8)
(Baikal, Lake)

KOZHOV, M.M.

Vertical distribution of plankton and the fish that feed on it in Lake Baikal. Vop.ikht. no.2:7-20 '54. (MLRA 8:5)

1. Baykal'skaya biologicheskaya stantsiya Biologo-geograficheskogo instituta pri Irkutskom universitete imeni A.A.Zhdanova.
(Baikal, Lake—Fresh-water biology)

KOZHOV, M.M.

Seasonal and annual fluctuations in Lake Baikal plankton.
Trudy Gidrobiol.ob-va no.6:133-157 '55. (MLRA 8:9)

1. Biologo-geograficheskiy nauchno-issledovatel'skiy institut pri Irkutskom gosudarstvennom universitete imeni A.A.Zhdanova
(Baikal, Lake--Plankton)

KOZHOV, M. M.

KOZHOV, M. M.

New data on the aquatic life of Lake Baikal. Zool.zhur.34 no.1:17-45 Ja-F '55. (MLRA 8:3)

1. Baykal'skaya biologicheskaya stantsiya Biologo-geograficheskogo instituta Irkutskogo gosudarstvennogo universiteta im. A.A.Zhdanova.
(Baikal Lake--Fresh-water biology)

KOZHOV, M. M.

"The Ecological and historical complexes of fauna of the Baykal." The 13th Limnological Congress, Helsinki, 27 July-7 August, 1956.

Sum 1274