DIKOV, V.A., st. inzh.; KOLKOTIN, N.M., st. inzh.; KUVYRKIN, N.I., st. inzh.; LITOVCHENKO, Ya.A., st. inzh.; SULOTSKIY, B.P., st. tekhnik; ABDULINA, Kh.M., st. tekhnik; SHIROKOVA, G.M., red.izd-va; MIKHEYEVA, A.A., tekhn. red.

[Instructions (U 5-62) for the major repair of machinery used in construction] Ukazaniia po kapital'nomu remontu mashin, zaniatykh v stroitel'stve (U 5-62). Moskva, Gosstroizdat. No.1. [Requirements and general technical specifications for the major repair of machinery] Trebovaniia i obshchie tekhnicheskie usloviia po kapital'nomu remontu mashin. 1962. 14 p. (MIRA 16:3)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu.
(Construction equipment—Maintenance and repair)

DIKOV, V.A., st. inzh.; KUVYRKIN, N.I., st. inzh.; LITOVCHENKO, Ya.A., st. inzh.; SULOTSKIY, B.P., st. tekhnik; ABDULINA, Kh.M., st. tekhnik; ZAYTSEV, B.D., otv. za vypusk; SHIROKOVA, G.M., red. izd-va; MIKHEYEVA, A.A., tekhn. red.

[Instructions U5-62 for the major repair of machinery used in construction] Ukazaniia po kapital'nomu remontu mashin, zaniatykh v stroitel'stve (U 5-62). Moskva, Gosstroiizdat. No.2. [Technical specifications for the major repair of truck-mounted cranes and loaders; the K-32 LAZ-690 and K-51 truck-mounted cranes and the T-107 loader] Tekhnicheskie usloviia na kapital'nyi remont avtomobil'nykh kranov i pogruzchikov; avtokrany K-32, LAZ-690 i K-51 pogruzchiki T-107. 1963. 119 p. (MIRA 16:6)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu.
(Construction equipment--Maintenance and repair)

DIKOV, V.A., st. inzh.; KUVYRKIN, N.I., st. inzh.; LITOVCHENKO, Ya.A., st. inzh.; SULOTSKIY, B.P., st. tekhnik; ABDULINA, Kh.M., st. tekhnik; SHIROKOVA, G.M., red. izd-va; MIKHEYEVA, A.A., tekhn. red.

[Instructions for the overhauling of construction machinery (U 5-62)] Ukazaniia po kapital'nomu remontu mashin, zaniatykh v stroitel'stve (U 5-62). Moskva, Gosstroiizdat. No.3. [Specifications for the overhauling of road machinery (D-144 and D-265 motor graders, D-159B and D-271 bulldozers, D-211 and D-260 motor rollers, D-183B and D-222 scrapers)] Tekhnicheskie usloviia na kapital'nyi remont dorozhnykh mashin (avtogreidery D-144 i D-265, bul'dozery D-159B i D-271, katki motornye D-211 i D-260, skrepery D-183B i D-222). 1963. 309 p. (MIRA 16:8)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu.

(Road machinery--Maintenance and repair)

VYDRINA, V.A.; KLYUCHEROV, A.P.; ABDULINA, M.A.; MARKARENKO, A.Ye.

Testing the crown refractories presented at the 1964 All-Union Competition. Ogneupory 30 no.7:7-15 '65. (MIRA 18:8)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat im. V.I.Lenina (for Vydrina, Klyucherov, Abdulina). 2. Gosudarstvennaya inspektsiya po sluzhbe i kachestvu ogneuporov (for Markarenko).

VYDRINA, Zh.A.; KONDRAT'YEV, S.N.; ABDULINA, M.A.; SIMONENKO, F.N.; AKSEL'ROD, L.M.; SHIRNIN, I.A.

Efficiency of using finely milled powders for repairing and fritting hearth bottoms of open-hearth furnaces. Stal' 24 no.11:989-991 N '64. (MIRA 18:1)

ABDULIOKHODZHAYEV, Z. Ya.

"Data on the Treatment of Brucellosis Patients." Cand Med Sci, Central Inst for the Advanced Training of Physicians, Min Health USSR, Moscow, 1954. (KL, No 3, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

ABDULKABIROVA, M.A.; STROYEVA, M.N.

Age of the Kalba granitic intrusions. Izv.AN Kazakh.SSR.Ser.geol. no.19:40-50 '55. (MLRA 9:8)

(Kalba Range--Rocks, Igneous)

ABDULKABIROVA, M.A.

SATPAYEV, K.I.; BORUKAYEV, R.A.; AKHMEDSAFIN, U.M.; BOK, I.I.; KUSHEV, G.L.; SMIRGIYEV, N.G.; SHLYGIN, Ye.D.; SHCHERBA, G.N.; MONICH, V.K.; LOMONOVICH, I.I.; LAVROV, V.V.; MEDOYEV, G.TS.; NOVOKHATSKIY, I.P.; BARBOT-DE-MARNI, A.V.; GALITSKIY, V.V.; KOLOTILIN, N.F.; ZHILINSKIY, G.B.; KAYUPOV, A.K.; KAZANLI, D.N .; SATPAYEVA, T.A.; ABDULKABIROVA, M.A.; GAZIZOVA, K.S.; VEYTS, B.I.; KHAYRUTDINOV, D.Kh.; MUKHAMEDZHANOV, S.M.; CHOLPANKULOV, T.Ch.; PARSHIN, A.V.; TAZHIBAYEVA, P.T.; YANULOVA, M.K.; BYKOVA, M.S.; VOLKOV, A.N.; BOLGOV, G.N.; MITRYAYEVA, N.M.; CHOKABAYEV, S.Ye.; KUNAYEV, D.S.; YARENSKAYA, M.A.; REBROVA, T.I.

Tireless explorer of the depths of the earth's crust; on the 65th birthday and 40th anniversary of the scientific engineering activities of Academician M.P. Rusakov. Vest. AN Kazakh. SSR 13 no.12:96-97 D '57. (MIRA 11:1)

(Rusakov, Mikhail Petrovich, 1892-)

ABDULKABIROVA, M.A.

Thorium in certain granitoids of the Kalba Range and Altai Mountains. Izv. AN Kazakh. SSR. Ser. geol. no.2:78-91 '58.
(MIRA 12:5)
(Kalba Range--Thorium) (Altai Mountains--Thorium)

ABDULKABIROVA, M.A., kand.geologo-mineralogicheskikh nauk

Location of metasomatic iron ore deposits in northern Kazakhstan. Vest.AN Kazakh.SSR 16 no.2:49-59 F '60. (MIRA 13:6)

(Kazakhstan--Iron ores)

ABDULKABIROVA, M.A.; ALEKSANDROVA, M.I.; AFONICHEV, N.A.; BANDALETOV, S.M.; BESPALOV, V.F.; BOGDANOV, A.A.; BOKOVIKOV, L.I.; BORSUK, B.I.; BORUKAYEV, R.A.; BUVALKIN, A.K.; BYKOVA, K.S.; DVORTSOVA, K.I.; DEMBO, T.M.; ZHUKOV, M.A.; ZVONTSOV, V.S.; IVSHIN, N.K.; KOPYATKEVICH, R.A.; KOSTENKO, N.N.; KUMPAN, A.S.; KULDYUKOV, K.V.; LAVROV, V.V.; LYAPICHEV, G.F.; MAZURKEVICH, M.V.; MIKHAYLOV, A.Ye.; MIKHAYLOV, N.P.; MYCHNIK, M.B.; NIDLENKO, Ye.N.; NIKITIN, I.F.; NIKIFOROVA, K.V.; NIKOLAYEV, N.I.; PUPYSHEV, N.A.; RASKATOV, G.I.; RENGARTEN, P.A.; SAVICHEVA, A.Ye.; SALIN, B.A.; SEVRYUGIN, N.A.; SEMENOV, A.I.; CHERNYAKHOVSKIY, A.G.; CHUYKOVA, V.G.; SHLYGIN, Ye.D.; SHUL'GA, V.M.; EL'GER, E.S.; YAGOVKIN, V.I.; NALIVKIN, D.V., akademik, red.; PERMINOV, S.V., red.; MAKRUSHIN, V.A., tekhn.red.

[Geological structure of central and southern Kazakhstan] Geologicheskoe stroenie TSentral'nogo i IUzhnogo Kazakhstana. Leningrad, Otdel nauchno-tekn.informatsii, 1961. 496 p. (Leningrad. Vsesoiuznyi geologicheskii institut.Materialy, no.41) (MIRA 14:7)

(Kazakhstan--Geology)

ABDULKABIROVA, M.A.

Distribution of ultrabasites and basites in northern Kazakhstan. Izv. AN Kazakh.SSR. Ser. geol. no.6:13-26 '62. (MIRA 16:5)
(Kazakhstan—Rocks, Igneous)

ABDULKASIMOV, A.

Physicogeographical regions of the Fergana Valley. Nauch. zap. Vor. otd. Geog. ob-va; 71-76 '63. (MIRA 17:9)

ABDULKASUMZADE M.R.

GASANOV, T.A.; ABDULKASUMZADE, M.R.

History of stratigraphic investigations of Jurassic deposits of the northeastern part of the Lesser Caucasus (Azerbaijan S.S.R.) Izv.AN Azer b. SSR no.6:23-33 Je'54. (MLRA 8:11)
(Caucasus--Geology, Stratigraphic)

ABDULKASUMZADE, M. R.

"Materials on the Stratigraphy of the Upper Jurassic Period of the Lesser Caucasus,"
Dokl. AN Azerb. SSR, Vol 10, No 3, pp 179-182, 1954 (Azerbaydzhani resume)

The author discusses the Upper Jurassic deposits of the Kadabekskiy region. These deposits form a belt which extends into the territory between the rivers Shankhorchay and Dzegamchay. The author distinguishes two kinds of deposits in this belt, those of the Callovian and Oxfordian stages. Full descriptions of the components of each type are given. (RZhGeol, No 2, 1955)

SO: Sum, No 606, 5 Aug 55

ABDULKASUMZADE, M. R.

ABDULKASUMZADE, M. R. — "The Fauna and Stratigraphy of the Upper Jurassic Deposits of the Northeastern Portion of the Lesser Caucasus (Azerbaydzhan)." Published by the Acad Sci Azerbaydzhan SSR. Acad Sci Azerbaydzhan SSR. Inst of Geology imeni Academician I. M. Gubkin. Baku, 1955. (Dissertation for the Degree of Candidate in Geologicomineralogical Sciences)

SOURCE Knizhnaya Letopis', No 6 1956

Abdulkasumzade, M. R.

15-1957-7-9054

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7, p 32 (USSR)

AUTHOR: Abdulkasumzade, M. R.

TITLE: A New Species of the Genus Perisphinctes From the Middle Jurassic Rocks of the Little Caucasus (Azerbaijan) [Novyy vid roda Perisphinctes iz sredneyurskikh otlozheniy Malogo Kavkaza (Azerbaydzhan)]

PERIODICAL: Dokl. AN AzSSR, 1956, vol 12, Nr 2, pp 107-111

ABSTRACT: On the southwestern outskirts of Kushchu, in the northeastern part of the Little Caucasus, Upper Bajocian ammonites occur in a fine-grained tuff-conglomerate which overlies quartz plagioclase porphyry; the species are Phylloceras heterophylloides Opp., Parkinsonia parkinsoni Sow., and Perisphinctes cf. demulssiumus Siem. A new species Perisphinctes alievi is described.

Card 1/1

V. V. Drushchits

ABDULKASUMZADE, M.R.; GASANOV, T.A.

Upper Jurassic Pelecypoda from Mount Kyapaz in the Lesser Caucasus. Trudy Inst.geol.AN Azerb.SSR 18:33-63 '56. (MLRA 10:1)
(Caucasus--Lamellibranchiata, Fossil)

ABDULKASUMZADE, M.R.; GASANOV, T.A.

Bajocian ammonites from the Nakhichevan A.S.S.R. Izv. AN Azerb. SSR. Ser. geol.-geog. nauk no.4:27-40 '58. (MIRA 11:10)
(Nakhichevan A.S.S.R.--Ammonoidea)

GASANOV, T.A.; ABDULKASUMZADE, M.R.

Upper Bajocian ammonites in the Kushchi-Chovdar area in the Azerbaijan S.S.R. (Lesser Caucasus). Trudy Inst. geol. AN Azerb. SSR 19:72-94 '58. (MIRA 12:10)
(Azerbaijan--Ammonoidea)

ABDULKASUMZADE, M.R.; CASANOV, T.A.

Kelloway ammonites in Kedabek District, Azerbaijan. Izv.AN Azerb.-SSR. Ser.geol.-geog.nauk i nefti. no.4:25-38 '61. (MIRA 15:1)
(Kedabek District--Ammonoidea)

ABDULKASYMZADE, M.R.

Presence of Barremian deposits in the Nagorno-Karabakh Autonomous Area (Lesser Caucasus). Dokl.AN Azerb.SSR 18 no.1:35-38 '62. (MIRA 15:3)

1. Institut geologii AN AzSSR. Predstavleno akademikom AN AzSSR M.M.Aliyevym.

(Nagorno-Karabakh Autonomous Area--Geology, Stratigraphic)

ABDULKASUMZADE, M.R.; ALIYEV, M.M., akademik, red.; KOSTYUKOVSKAYA,Ye., red.izd-va; IBRAGIMOV, M., tekhn. red.

[Stratigraphy and fauna of Upper Jurassic deposits in the northeastern part of the Lesser Caucasus (Azerbaijan)] Stratigrafiia i fauna verkhneiurskikh otlozhenii severo-vostochnoi chasti Malogo Kavkaza (Azerbaidzhan). Baku, Izd-vo AN Azerb.SSR, 1963. 112 p. (MIRA 17:3)

GASANOV, T.A.; ABDULKASUMZADE, M.R.

Age of the volcanic sedimentary formation of the northern margin in the Nuzger Plateau. Dokl. AN Azerb. SSR 21 no.1:24-27 '65.
(MIRA 18:5)

1. Institut geologii AN AzerSSR.

ACC NR: AP7009559 SOURCE CODE: UR/0233/66/000/002/0035/0042

AUTHOR: Abdulkerimov, L. Sh.; Yakubov, S. Ya.

ORG: none

TITLE: Investigation of Cauchy's problem for quasilinear differential equations of parabolic type in a Banach space

SOURCE: AN AzerbSSR. Izvestiya. Seriya fiziko-tekhnicheskikh i matematicheskikh nauk, no. 2, 1966, 35-42

TOPIC TAGS: Cauchy problem, Banach space

SUB CODE: 12

ABSTRACT: The article considers Cauchy problems for first and second-order quasilinear differential equations of the parabolic type. The authors begin with the first-order equation $u'(t) + A(t, u(t))\,u(t) = f(t, u(t));\ u(0) = u_0,$ (1)

where u(t) is an unknown function with values from the complex Banach space E. A theorem is formulated and proved showing that problem (1) has a unique solution on [0,T]. The article then considers the second-order equation

$$u''(t) + A(t, u(t), u'(t))\ u'(t) = f(t, u(t), u'(t));\quad u(0) = u_0, u'(0) = u_1, \quad (2)$$

and proves the existence of a unique solution to problem (2) on the segment $[0, t_0]$, where $t_0 \in (0,T]$. In addition, it is proved that problem (2) also has a unique solution on [0,T]. The article concludes by applying the results obtained to a mixed problem for a class of quasilinear, partial differential equations. Orig. art. has: 14 formulas. [JPRS: 39,848]

Card 1/1

UDC: none

0930 1083

ABDULKHAIROV, R.

USSR/ Cosmochemistry. Geochemistry. Hydrochemistry D.

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 11562

Author : Kadyrov V., Abdulkhairov R.
Inst : Institute of Water Management and Power Engineering of the Academy of Sciences Kirgiz SSR
Title : Some Data on Chemical Composition of Water of High-Mountain Rivers of Northern Kirgizia

Orig Pub : Tr. In-ta vod. kh-va i energ. AN KirgSSR, 1956, No 3 (6), 113-117

Abstract : Presented are the results of an investigation of chemical composition of water of some high-mountain rivers of Northern Kirgizia, carried out in 1954. The rivers are slightly mineralized (sum of ions 75.6 - 260.7 mg/liter) and appertain to the calcium hydrocarbonate type. Mineralization of the water increases downstream, over plain stretches, due to extensive evaporation, presence of saline soil and influence of ground waters: in the river Naryn, from headwaters to a distance of 874 km mineralization increases almost fourfold (by 450 mg/liter).

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GAVRISH, A.; ABDULKHAKIMOV, Shamsudin

Members of the All-Union Voluntoer Society for Assistance to the Army, Airforce, and Navy organize the use of equipment on collective farms. Za rul. 16 no. 5:2-4 My '58. (MIRA 11:7)

1. Predsedatel' komitota pervichnoy organizatsii Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu kolkhoza imeni V.I.Lenina(for Gavrish). 2. Predsedatel' pervichnoy organizatsii Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu kolkhoza "Leningrad," Stalinabadskiy rayon, Tadzhikskaya SSR(for Abdulkhakimov).

(Collective farms)

ABDULKHANOV, A.A.; MIFTAKHUTDINOVA, T.S.; KIVVA, K.Ya.; GERSHKOVICH, V.I., vrach

Councils of medical nurses. Med.sestra 22 no.2:51-55 F '63. (MIRA 16:5)

1. Predsedatel' soveta meditsinskikh sester, starshaya meditsinskaya sestra Detskoy bol'nitsy No.3, Barnaul, Altayskiy kray (for Kolomutitsa). 2. Predsedatel' soveta meditsinskikh sester Moskovskoy gorodskoy klinicheskoy bol'nitsy No.64 (for Vasil'yev) 3. Predsedatel' soveta meditsinskikh sester Poltavskoy bolastnoy bol'nitsy (for Kivva).

(NURSES AND NURSING)

ABDULKHANOVA, G. G. Cand Med Sci -- "Data on the differential diagnosis of non-diphtherial diseases of the pharynx and the larynx in children." Frunze, 1961 (Kirgiz State Med Inst). (KL, 4-61, 207)

BARLYBAYEVA, N.A.; ABDULKHANOVA, G.G.

Clinical characteristics of the course of rheumatism and its treatment in children of preschool age. Vop. okh. mat. i det. 7 no.5:27-30 My '62. (MIRA 15:6)

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

(RHEUMATIC FEVER)

ABDULKHASANOV, A.A.

Nurse Z.A.Latypova. Med. sestra 19 no.9:40 S '60. (MIRA 13:9)

1. Glavnyy vrach Uch-Korgonskoy rayonnoy bol'nitsy.
(LATYPOVA, ZARIGA A.)

ABDULKHASANOV, A. (selo Uch-Korgon Oshskoy oblasti)

Kamilia Abutalipova, feldsher and midwife. Fel'd. i akush. 25 no.8:61 Ag '60. (MIRA 13:8)

(ABUTALIPOVA, KAMILIA)

ACC NR: AP6021892 (A,N) SOURCE CODE: UR/0358/66/035/003/0287/0290

AUTHOR: Abdulkhasanov, A.

ORG: Kyzyl-Kiya Hospital (Bolnitsa g. Kyzyl-Kiya)

TITLE: Epidemiology of tick-borne spirochetosis in the Uch-Korgon District of Kirghizia

SOURCE: Meditsinskaya parazitologiya i parazitarnyye bolezni, v. 35, no. 3, 1966, 287-290

TOPIC TAGS: epidemiology, human disease, disease vector, spirochetosis, tick, environment study, animal parasite

ABSTRACT:

Tick-borne spirochetosis in the village of Uch-Korgon during the last 15 years reaches two semiannual peaks, in April and in September—October. This corresponds with the seasonal activity of *Alectorobius tholozani* ticks. Old buildings harbor the ticks in this village. Tick infestation also depends on temperature, which affects the activity of the carriers. (see Fig. 1)

Card 1/2 UDC: 616.986.5-022.395.42(575.2)

ACC NR: AP6021892

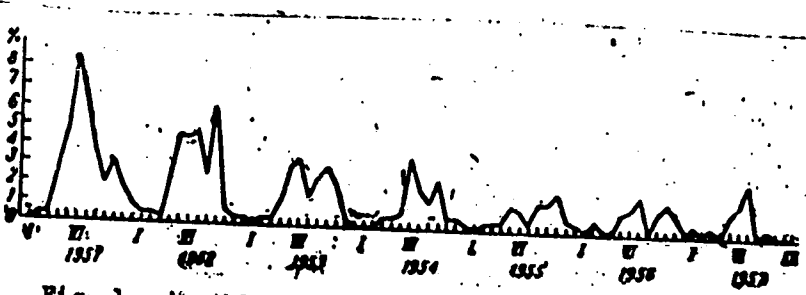

Fig. 1. Monthly incidence of tick-borne spirochetosis from 1951—1957 in Uch-Korgan in %.

Winters are very cold and summers quite warm. Much of the population remains indoors most of the time, and among these the incidence of spirochetosis is highest. Those who work outdoors in gardens have less contact with the ticks. People are infected by other people who harbor ticks, and also pick them up in infested barns and storage places. Children who work during the cotton-picking season are susceptible. Corrective measures were taken beginning in 1951, and by 1957 the autumn outbreak was very slight. The people were instructed in proper measures for destroying tick reservoirs, which enabled them to contain the tick population. Orig. art. has: 1 figure.

[W.A. 50; CBE No. 10]

SUB CODE: 06/ SUBM DATE: 22Nov65/ ORIG REF: 006/

Card 2/2

ABDULLABEKOV, G.A., kandidat med.nauk

Influence of sulfanilamides on oxidation-reduction processes in patients with hepatocholecystitis. Azerb.med.zhur. no.2:36-39 F '60. (MIRA 13:5)

1. Iz 1-y kafedry gospital'noy terapii (zav. - prof. S.A. Mamedzade) Azerbaydzhanskogo gosudarstvennogo meditsinskogo instituta im. N. Narimanova.
(SULFONAMIDES) (OXIDATION, PHYSIOLOGICAL)
(GALL BLADDER--DISEASES)

ABDULLAREKOV, G.A.

Influence of biomycin on oxidation-reduction processes in hepatocholecystitis. Azerb. med. zhur. no.9:26-29 S '61. (MIRA 14:9)

(AUREOMYCIN) (OXIDATION, PHYSIOLOGICAL)
(LIVER--DISEASES)

ABDULLAHEKOV, G.A., kand. med. nauk

Effect of tetracycline on the oxidation-reduction processes in hepatocholecystitis. Azerb. med. zhur. no.9:26-30 S '62 (MIRA 18:1)

1. Iz kafedry 1-y gospital'noy terapii (zav. - prof. S.A. Mamedzade) i kafedry biokhimii (zav. - zasluzhennyy deyatel' nauki, prof. A.S. Gasanov) Azerbaydzhanskogo gosudarstvennogo meditsinskogo instituta imeni N. Narimanova (rektor - zasluzhennyy deyatel' nauki prof. B.A. Eyvazov).

L 36839-66 T/EWF(t)/ETI IJP(c) RDW/JD

ACC NR: AP6024348 SOURCE CODE: GE/0030/66/016/001/0205/0208

AUTHOR: Abdullaev, G. B.; Guseinova, E. S.; Tagiev, B. G. 56 B

ORG: Institute of Physics, Academy of Sciences of the Azerbaidzhan SSR, Baku

TITLE: Electrical conductivity of p-GaSe single crystals in strong electric fields

SOURCE: Physica status solidi, v. 16, no. 1, 1966, 205-208

TOPIC TAGS: electrical conductivity, gallium selenide, dielectric constant, dielectric breakdown, ELECTRIC FIELD

ABSTRACT: The electrical conductivity of p-GaSe single crystals was measured in strong electric fields up to 3×10^4 v/cm. The duration of the pulses was 4 μsec and the repetition rate 50 cps. When the field was about 1600 v/cm, Ohm's law was not obeyed and the conductivity increased with the field according to Frenkel's law: $\sigma = \sigma_0 e^{\beta \sqrt{E}}$, where $\beta = \sqrt{e^3}/k T\sqrt{\epsilon}$ and ϵ is the dielectric constant. From the temperature dependence of β the value of the dielectric constant of p-GaSe single crystals was established to be approximately five. The hole activation energy, determined from the temperature dependence of the conductivity, decreased with the increasing field, thus agreeing with Frenkel's theory. By extrapolating the $\lg \sigma = f(1/T)$ (straight lines) a thermal breakdown temperature equal to about 25,000K was found which can be referred to as the metallization temperature (T_m). It was established that $kT_m \approx 2$ ev is the thermal energy gap at absolute zero. By extrapolating the $\lg \sigma = f(\sqrt{E})$ (straight lines) a breakdown intensity E_b, which characterizes

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L 36839-66

ACC NR: AP6024348

the electrical strength, was found to be $\sim 10^7$ v/cm. The width of the energy gap ΔE_0, obtained from the expression: $\Delta E_0 = 2e\sqrt{eE_b}/c$ appeared to be about 1.9 ev. Orig. art. has: 2 figures.

[CS]

SUB CODE: 20/ SUBM DATE: 07Mar66/ ORIG REF: 006/ OTH REF: 005/ ATD PRESS: 5038

Card 2/2

L 10018-67 EWP(t)/ETI IJP(c) JD/JG/AT
ACC NR: AP6036323 SOURCE CODE: GE/0030/66/018/011/K029/K031

AUTHOR: Abdullaev, G. B.; Malsagov, A. U.; Glazov, V. M. 64

ORG: Institute of Physics, Academy of Sciences of the Azerbaidzhan SSR, Baku

TITLE: Thermoelectric power of $A^{I}B^{III}C_2^{VI}$ type compounds in the solid and liquid state

SOURCE: Physica status solidi, v. 18, no. 11, 1966, K29-K31

TOPIC TAGS: gadolinium compound, copper compound, selenium compound, tellurium compound, indium compound, thermoelectric power, thermocouple

ABSTRACT: The thermoelectric power of $CuGaSe_2$, $CuGaTe_2$, $CuInSe_2$, and $CuInTe_2$ as a function of temperature between 100 and 1200C was measured in the solid and liquid state of the compounds. Measurements of the thermal emf were carried out by the contact method in an inert gas, and readings were taken from several samples of each particular compound. The investigations showed that in the case of $CuGaSe_2$, $CuGaTe_2$, and $CuInTe_2$, the thermoelectric power rises with temperature up to a certain value and then decreases monotonically up to the fusion temperature. In the liquid phase the emf decreases linearly with temperature. The thermoelectric power of $CuInSe_2$ increases only up to 180—200C and then falls almost linearly. An abrupt drop occurs under fusion conditions, probably due to the growth of charge-carrier concentration and a decrease in the difference of electron hole mobilities. All compounds

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L 10018-67

ACC NR AP6036323

exhibit an abrupt increase in thermoelectric power if a heavier element is substitute for the anion. Orig. art. has: 4 figures and 1 table.

SUB CODE: 20/ SUBM DATE: 05Oct66/ ORIG REF: 002/ OTH REF: 003/ ATD PRESS: 5105

Card 2/2 egk

L 43629-66 EEC(k)-2/T/EWP(t)/ETI/EWE(k) IJP(c) RTW/WG/JD/JG/AT

ACC NR: AP6012809 SOURCE CODE: GE/0030/66/014/002/K127/K130

AUTHOR: Abdullaev, G. B.; Mekhtiev, R. F.; Mamedova, A. Z.; Guseinova, E. S.

ORG: Institute of Physics, Academy of Sciences, Azerbaydzhan SSR, Baku

TITLE: Investigation of photoconductive relaxation in p-GaSe single crystals

SOURCE: Physica status solidi, v. 14, no. 2, 1966, K127-K130

TOPIC TAGS: relaxation process, majority carrier, minority carrier, photoconductivity

ABSTRACT: Photoconductive relaxation in p-GaSe produced by short light pulses was studied in order to determine the lifetime of majority and minority carriers. Photoconductivity decay terms indicate the presence of two exponential components with different time constants. It is shown that the time constant of the high speed component is almost independent of temperature within the range 150 to 355°C while the low speed component changes. This can be explained on the basis of recombination through traps having a high concentration. It is concluded that the high- and low-speed components are associated with the electron and hole components of photoconductivity, respectively. Orig. art. has: 3 figures.

SUB CODE: 20/ SUBM DATE: 27Jan66/ ORIG REF: 008/ OTH REF: 001

Card 1/1

ABDULLAKHODZHAYEV, A.A.

Lithofacies division of Jurassic sediments in the Angern region. Vop.geol.Uzb. no.2:105-113 '61. (MIRA 15:12)
(Angern region--Geology, Stratigraphic)

ABDULLAZADE, G.A., Cand Pharm Sci--(diss) "Dichlorethane, its forensicchemical detection and definition." Baku, 1958. 13 pp (Azerbaydzhan State Med Inst im N. Narimanov), 250 copies (KL,30-58,134)

-165-

ABDULLAKHANOVA, A.

Through efforts of the cultural section of the factory committee. Sov. profsoiuzy 7 no.16:42 Ag '59. (MIRA 12:12)

1.Zaveduyushchaya kul'turno-massovym otdelom soveta profsoyuzov Uzbekskoy SSR.

(Tashkent--Communist education)

PETROV, N.P.; RUBANOV, I.V.; CHERNEVSKIY, N.N.; ABDULLAKHODZHAYEV, A.A.

Ilsemannite from brown coal and kaolins in Uzbekistan. Dokl. AN Uz.SSR no.1:17-20 '59. (MIRA 12:4)

1. Institut geologii AN UzSSR. Predstavleno akademikom AN UzSSR A.S.Uklonskim.

(Uzbekistan--Ilsemannite)

ABDULLAKHODZHAYEV, A.A.; PETROV, N.P.; RASULOV, Sh.K.; KHAMRABAYEV, I.Kh.

Weathering surfaces of Uzbekistan. Kora vyvetr. no.6:231-240 '63. (MIRA 17:9)

1. Institut geologii AN Uzbekskoy SSR, Tashkent.

ABDULLAKHODZHAYeVA, M., Cand Med Sci — (diss) "Distribution of certain protein substances in the microstructural cutaneomotor analyzer of a rabbit in ontogenesis (histochemical research)," Moscow, 1960, 18 pp (Academy of Medical Sciences USSR) (KL, 39-60, 116)

ABDULLAKHODZHAYEVA, M.

Amount of protein SH-groups in the microstructures of the dermomotor analyzer and in the effector neirons of the spinal cord and cranial nerves of the medulla oblongata of the rabbit in ontogenesis. Med. zhur. Uzb. no. 1:29-35 Ja '60. (MIRA 13:8)

1. Iz laboratorii gistokhimii Instituta mozga AMN SSSR (dir. - prof. S.A. Sarkisov, zav. laboratoriey - prof. V.V. Portugalov) i kafedry gistologii (zav. - dotsent K.Yu. Usmanov) Tashkentskogo meditsinskogo instituta.

(MERCAPTO GROUP) (NERVOUS SYSTEM)

ABDULLAKHODZHAYEVA, M.

Histochemical study of the proteins in microstructures of the skin-motor analyzer of the rabbit in ontogenesis. Med. zhur. Uzb. no.12:60-65 D '60. (MIRA 14:1)

1. Iz laboratorii gistokhimii (zav. - prof. V.V. Portugalov) Instituta mozga AMN SSSR i kafedry gistologii (zav. - dotsent K.Yu. Usmanov) Tashkentskogo gosudarstvennogo meditsinskogo instituta.
(PROTEINS IN THE BODY)
(NERVOUS SYSTEM)

ABDULLAYEV, A.

USSR/Organic Chemistry. Synthetic Organic Chemistry. E-2

Abs Jour: Ref Zhur-Khimiya, No 6, 1957, 19051.

Author : Mamedov Shamkhal, Abdullayev A.
Inst :
Title : Synthesis of Simple Glycol Ethers. 25. Synthesis of Dialcoxyderivatives of Dimethyl Ethers of Tetraalkyl Substituted Ethylene Glycole.

Orig Pub: Azerb SSR elmler Akad. kheberleri, Izv. AN AzSSR, 1956, No 5, 49-56.

Abstract: The authors synthesized alcoxyderivates of dimethyl ethers of tetraalkyl substituted glycoles of the type $[R_2C(OCH_2OR')]_2$ (I) according to a previously described method (Tr. In-takhimiyi AN AzSSR, 1946, 6) by the action of $ClCH_2OR'$ (II) on $[R_2C(OMgX)]_2$ (III) a product of the interaction of RMgX with ethyl esther of succinic acid (ether solution, time of reaction 4-5

Card : 1/2

ABDULLAYEV, A.

Resistance of some varieties and perennial forms of cotton to verticilliosis. Uzb. biol. zhur. 9 no.4:60-64 '65.

(MIRA 18:10)

1. Institut genetiki i fiziologii rasteniy AN UzSSR.

ABDULLAYEV, A.A., aspirant

Urinary calculi. Nauch. trudy SamMI 22:39-43 '63. (MIRA 17:9)

1. Iz kafedry fakul'tetskoy khirurgii Samarkandskogo meditsinskogo instituta.

ABDULLAYEV, A.A.; KERIMOV, I.M.

Investigating the flow of gas-cut oil in case of high oil saturation. Izv. AN Azerb. SSR. Ser.fiz.-tekh. i mat. nauk no.1:107-114 '65.
(MIRA 18:6)

USSR/Cultivated Plants - Fruits. Berries.

Abs Jour : Ref Zhur - Biol., No 10, 1958, 44284

Author : Abdullayev, A.A.
Inst :
Title : The Achievements of the Tadjik Horticulturist and of Viticulturists.

Orig Pub : Sad i ogorod, 1957, No 10, 46-48.

Abstract : No abstract.

Card 1/1

ABDULLAYEV, A., red.; STARETS, R., red.; POLTORAK, I., tekhn.red.

[In the pavilion of the Tajik S.S.R.; progressive practices of participants in the exhibition] V pavil'one Tadzhikskoi SSR; peredovoi opyt uchastnikov vystavki. Stalinabad, Tadzhikskoe gos.izd-vo, 1958. 149 p. (MIRA 12:6)

1. Moscow. Vsesoyuznaya sel'skokhozyaystvennaya vystavka, 1954- .

(Tajikistan--Agriculture)
(Moscow--Agricultural exhibitions)

RAKHMANOV, R.R.; ABDULLAYEV, A.A.

Effect of growing conditions on the oil and gossypol content of cotton seeds. Dokl. AN Uz.SSR no.2:47-50 '59. (MIRA 12:4)

1. Institut genetiki i fiziologii rasteniy AN UzSSR. Predstavleno akademikom AN UzSSR A.S. Sadykovym.
(Cottonseed)

ABDULLAYEV, A.A.

Effect of different fertilizing rates on developmental phases and productivity in some representatives of Gossypium hirsutum. Uzb.biol.zhur. no.4:32-39 '59. (MIRA 13:1)

1. Institut genetiki i fiziologii rasteniy AN UzSSR.
(Cotton--Fertilizers and manures)

ABDULLAYEV, A. A.

Cand Biol Sci - (diss) "Study of the behavior and economic evaluation of collection samples of various kinds of cotton plant at contrasting agrophones." Leningrad, 1961. 29 pp; (Ministry of Agriculture USSR, All-Union Order of Lenin Academy of Agricultural Sciences imeni V. I. Lenin, All-Union Scientific Research Inst of Plant Growing); 170 copies; price not given; (KL, 5-61 sup, 182)

ABDULLAYEV, A., kand.biolog.nauk

Resistance to wilt of some cotton forms and varieties.
Agrobiologiia no. 3:374-378 My-Je '64. (MIRA 17:7)

1. Institut genetiki i fiziologii rastenii AN UzSSR, Tashkent.

L 45895-66 EWT(m)/EWP(1) RM
ACC NR: AP6026429 (A) SOURCE CODE: UR/0079/66/036/005/0912/0914

AUTHOR: Shikhiyev, I. A.; Abdullayev, N. D.

ORG: Institute of Petrochemical Processes, Academy of Sciences, Azerbaydzhan SSR (Institut neftekhimicheskikh protsessov Akademii nauk Azerbaydzhanskoy SSR)

TITLE: Synthesis and conversions of organosilicon compounds. Report No. 30. Synthesis and certain conversions of silicoacetylenic formals

SOURCE: Zhurnal obshchey khimii, v. 36, no. 5, 1966, 912-914

TOPIC TAGS: organosilicon compound, alcohol, ether, acetal

ABSTRACT: The reactivity of primary, secondary, and tertiary silicoacetylenic alcohols toward , various α-chloromethyl alkyl ethers was studied. The reactions were:

$$(Alk)_2C(OH)-C\equiv C-SiR_3 \xrightarrow[C_5H_5N(CH_3)_2]{+ClCH_2-OR'} (Alk)_2C(OCH_2-OR')-C\equiv C-SiR_3$$

(I–XI)

(I)	$R' = C_2H_5$,	$R_3 = (CH_3)_2C_6H_5$,	Alk = H;
(II)	$R' = C_4H_{9-n}$,	$R_3 = (CH_3)_2C_6H_5$,	Alk = H;
(III)	$R' = CH_3$,	$R_3 = (C_2H_5)_3$,	Alk = H;
(IV)	$R' = C_2H_5$,	$R_3 = (C_2H_5)_3$,	Alk = H;
(V)	$R' = C_4H_{9-n}$,	$R_3 = (C_2H_5)_3$,	Alk = H;
(VI)	$R' = CH_3$,	$R_3 = (CH_3)_2C_6H_5$,	Alk = H, C_6H_{5-n}
(VII)	$R' = C_3H_{7-iso}$,	$R_3 = (CH_3)_2C_6H_5$,	Alk = CH_3, C_2H_5
(VIII)	$R' = C_4H_{9-n}$,	$R_3 = (CH_3)_2C_6H_5$,	Alk = CH_3, C_2H_5
(IX)	$R' = CH_3$,	$R_3 = (C_2H_5)_3$,	Alk = CH_3, C_2H_5
(X)	$R' = C_2H_5$,	$R_3 = (C_2H_5)_3$,	Alk = CH_3, C_2H_5
(XI)	$R' = C_4H_{9-n}$,	$R_3 = (CH_3)_2C_6H_5$,	Alk = CH_3.

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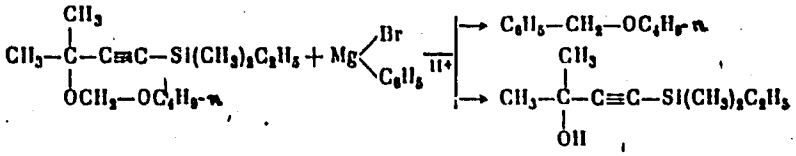
UDC: 547.367+547.312

L 45895-66
ACC NR: AP6026429

The structure of the silcoacetylenic formals obtained was determined spectroscopically and by an exchange reaction of one representative with organomagnesium compounds:



Eleven representatives were thus obtained for the first time and were characterized. It was found that α-chloromethyl alkyl ethers react more vigorously with tertiary organosilicon alcohols than with primary or secondary alcohols. Orig. art. has: 1 table.

SUB CODE: 07/ SUBM DATE: 03Apr65/ ORIG REF: 001

Card 2/2 LC

PA 165T52

ABDULLAYEV, A. A.

USSR/Nuclear Physics - Mesons Aug 50

"Origin of Secondary Slow Mesons in the Atmosphere," A. Abdullayev, G. Zhdanov, Yu. Kamenetskiy, A. Naumov, A. Khaydarov, Phys Inst imeni Lebedev, Acad Sci USSR

"Zhur Eksper i Teoret Fiz" Vol XX, No 8, pp 673-683

Authors reveal and discuss experimental data obtained by them on properties of slow mesons with lifetime of 2 microsec. Of several possible assumptions on mechanism governing generation of such mesons in the atmosphere, most probable is decay process of other mesons possessing greater mass and smaller lifetimes. Submitted 9 Feb 50.

165T52

Sd. ABDULLAYEV, A. A.
Lecture.

537.591.13

6884. Investigation of the meson component of the electronic and nuclear showers by the method of the "delayed coincidences." A. ABDULLAEV, G. ZHDANOV, L. KORABLEV AND A. KHAIDAROV. Letter in *Zh. Eksper. Teor. Fiz.*; 21, 1079–80 (*No.* 9, 1951) *In Russian.*

The authors describe in general terms the improvements in the method of delayed coincidences which they introduced in their apparatus for the investigation of the showers, produced by cosmic rays. Their aim was to separate more accurately and reliably the records of the particles appearing as a result of the nuclear disintegrations and ionizations caused by the incoming particles from the direct records of the latter. N. S. JAPOLSKY

ABDULLAYEV, A. A.

Abdullayev, A. A. -- "An Investigation of the Processes of Generating Slow Mesons by the Method of Lagging Coincidences With A Hodoscope." Cand Phys-Math Sci, Physics Inst, Acad Sci USSR, Moscow 1953. (Referativnyy Zhurnal--Fizika, Jan 54)

SO: SUM 162, 22 July 1954

ABDULLAYEV, Abakar Abakarovich; DUKOV, V.M., red.; FEDOTOVA, A.F., tekhn.red.; SHEPTEVA, T.A., tekhn.red.

[Energy of the atomic nucleus] Energiia atomnogo iadra. Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv.RSFSR, 1958. 135 p. (MIRA 12:11)

(Atomic energy)

ABDULLAYEV, Abakar Abakarovich; DUKOV, V.M., red.; FEDOTOVA, A.F., tekhn.red.

[Energy of the atomic nucleus] Energiia atomnogo iadra. Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv.RSFSR, 1958. 135 p. (MIRA 13:11)

(Atomic energy)

ABDULLAYEV, A.A.; LOBANOV, Ye.M.; KHAITOV, B.K.; KHAYDAROV, A.A.

Use of the tritium radioisotope in studying the dynamics of underground water. Izv.AN Uz.SSR.Ser.fiz.-mat.nauk no.6: 82-83 '59. (MIRA 13:6)

1. Institut yadernoy fiziki AN UzSSR.
(Tritium--Isotopes) (Water, Underground)

TURAKULOV, Ya.Kh., doktor biolog. nauk, otv. red.; ABDULLAYEV, A.A., kand. fiz.-mat. nauk, red.; ABDURASULOV, D.N., doktor med. nauk, red.; ARIFOV, U.A., akademik, red.; BORODULINA, A.A., kand. biol. nauk, red.; IVASHEV, V.N., red.; IKRAMOVA, G.S., red.; KIV, A.Y., red.; LOBANOV, Ye.M., kand.fiz.-mat. nauk, red.; NIKOLAYEV, A.I., kand. med. nauk, red.; NISHANOV, D., kand. khim. nauk, red.; SADYKOV, A.S., akademik, red.; STARODUBTSEV, S.V., akademik, red.; TALANIN, Yu.N., kand. fiz.-mat. nauk, red.; GORKOVOY, P.I., red.; GOR'KOVAYA, Z.P., tekhn. red.

[Transactions of the Tashkent Conference on Peaceful Uses of Atomic Energy] Trudy Tashkentskoy konferentsii po mirnomu ispol'zovaniiu atomnoi energii, Tashkent, 1959. Vol.3. 1961. 501 p. (MIRA 15:3)

1. Tashkentskaya konferentsiya po mirnomu ispol'zovaniyu atomnoy energii, Tashkent, 1959. 2. Akademiya nauk Uzbekskoy SSR (for Arifov, Sadykov, Starodubtsev).

(Atomic energy--Congresses)

S/166/60/000/004/005/008
C111/C222

AUTHORS: Abdullayev, A.A., Lobanov, Ye.M., Novikov, A.P. and Khaydarov, A.A.

TITLE: Radioactive Analysis of Skarns (Silicate Contact Gaugue) of the Ingichka Occurrence

PERIODICAL: Izvestiya Akademii nauk Uzbekskoy SSR. Seriya fiziko-matematicheskikh nauk, 1960, No.4, pp. 65-74.

TEXT: The paper contains results on the practical measurement of the concentration of W, Mn, Na, Al and Fe in the skarns of the Ingichka tungsten occurrence. The measurements were carried out according to a method elaborated by the authors (Ref.3) which permits to prove simultaneously several elements in a test without destoying of the test. For this aim the tests were radiated by neutrons; that led to the origin of radioactive isotopes. Then the identification of the elements in the test was performed simultaneously according to the half-life and according to the energies of the γ-radiation. Here the half-life curves were traced for every element in a special region of energy being characteristic for the element. The experiments have

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Radioactive Analysis of Skarns of the Ingichka Occurrence

confirmed that the method proposed by the author in (Ref.3) for the identification of several elements in a test is possible without a separation of the elements. The method is suitable for radioactive well logging.
There are 9 figures, 3 tables and 8 references: 6 Soviet and 2 American.

ASSOCIATION: Institut yadernoy fiziki AN Uz SSR (Institute of Nuclear Physics of the Academy of Sciences Uzbekskaya SSR)

SUBMITTED: March 6, 1960

Card 2/2

ABDULLAYEV, A.A.

PHASE I BOOK EXPLOITATION SOV/5410

[illegible] po mirnomu ispol'zovaniyu atomno[illegible] [illegible], Tashkent, 1959.

[illegible] Conference on the Peaceful [illegible] 1959. [illegible] slip inserted. [illegible] printed.

[illegible] Agency: Akademiya nauk [illegible]

[illegible] S. V. Starodubtsev, Academician, [illegible] Editorial Board: A. A. Abdull[illegible] [illegible] Physics and Mathematics; D. [illegible] [illegible] U. A. [illegible] Academician [illegible] Uzbek SSR; A. [illegible] V. N. Ivanov; [illegible] Candidate of Physics [illegible] Candidate of Chemical [illegible] of Medical Sciences; [illegible] A. S. Sadykov, Corresponding Member, Academy of Sciences [illegible] Academician, Academy of Sciences Uzbek SSR; [illegible]

Transactions of the Tashkent (Cont.) SOV/5410

Candidate of Physics and Mathematics; Ya. Kh. Turakulov, Doctor of Biological Sciences. Ed.: R. I. Khamidov; Tech. Ed.: A. G. Babakhanova.

PURPOSE: The publication is intended for scientific workers and specialists employed in enterprises where radioactive isotopes and nuclear radiation are used for research in chemical, geological, and technological fields.

COVERAGE: This collection of ~33 articles represents the second volume of the Transactions of the Tashkent Conference on the Peaceful Uses of Atomic Energy. The individual articles deal with a wide range of problems in the field of nuclear radiation, including: production and chemical analysis of radioactive isotopes; investigation of the kinetics of chemical reactions by means of isotopes; application of spectral analysis for the manufacturing of radioactive preparations; radioactive methods for determining the content of elements in the rocks; and an analysis of methods for obtaining pure substances. Certain

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instruments used, such as automatic regulators, flowmeters, level gauges, and high-sensitivity gamma-relays, are described. No personalities are mentioned. References follow individual articles.

TABLE OF CONTENTS:

RADIOACTIVE ISOTOPES AND NUCLEAR RADIATION IN ENGINEERING AND GEOLOGY

S/166/60/000/005/004/008
C111/C222

AUTHORS: Abdullayev, A.A., Lobanov, Ye.M., Novikov, A.P., Khaydarov, A.A., and Romanov, M.M.

TITLE: Analysis of Activated Samples of Ore With the Aid of Scintillation Gamma-Spectrometers

PERIODICAL: Izvestiya Akademii nauk Uzbekskoy SSR, Seriya fiziko-matematicheskikh nauk, 1960, No. 5, pp. 48-56

TEXT: The authors propose a method permitting an analysis of multiple-component materials without a radiochemical separation of the isotopes. The analysis of the samples radiated with neutrons is carried out with the aid of a multi-channel scintillation gamma-spectrometer which records the total spectrum of gamma radiations of the mixture of radioactive isotopes. In order to separate the radiations of the single isotopes the timely change of the intensity of the different spectral lines being characteristic for the isotope in question, is considered. By such a modification of the usual method it becomes possible to identify the elements according to the half-life as well as to the energies of the gamma lines of corresponding radioactive isotopes. Thereby it becomes possible, for complicatedly composed ores to prove the single elements

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Analysis of Activated Samples of Ore With the Aid of Scintillation Gamma-Spectrometers

qualitatively as well as quantitatively. The quantitative proof is carried out by a comparison with known standard samples. The authors report especially on the application of the method for the analysis of the In-content in sfalerite ores and of the Cu and Mn-content in granitic ores. A diagram is given for the decrease of the activity of the elements appearing in sfalerites

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S/166/60/000/005/004/008
C111/C222

Analysis of Activated Samples of Ore With the Aid of Scintillation Gamma-Spectrometers

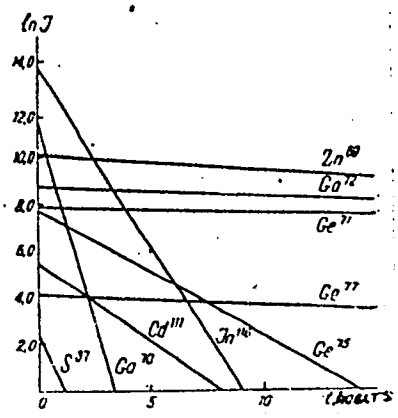

Рис. 3. Расчетные кривые спада активности элементов.

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Analysis of Activated Samples of Ore With the Aid of Scintillation Gamma-Spectrometers

Fig. 3. Calculated curves for the decrease of the activity.
The diagram fig.5. serves for the determination of the % content of In in ores with a different content of ZnS.

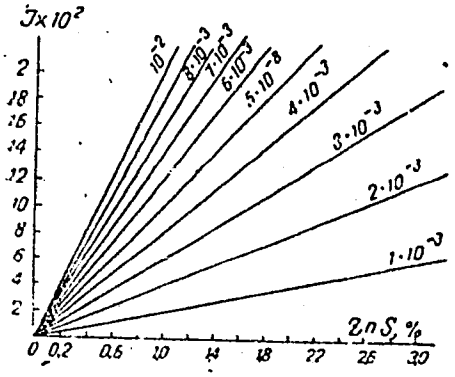

Рис. 5. Номограмма для определения процентного содержания In в рядах с различным процентным содержанием ZnS.

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Analysis of Activated Samples of Ore With the Aid of Scintillation Gamma-Spectrometers

Fig.5. Nomogram for the determination of the % content of In in ores with a different % content of ZnS.
There are 4 tables, 5 figures and 5 references: 4 Soviet and 1 American.

ASSOCIATION: Institut yadernoy fiziki AN Uz SSR (Institute of Nuclear Physics of the Academy of Sciences Uzbekskaya SSR)

SUBMITTED: March 6, 1960

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S/075/60/015/006/010/018
B020/B066

AUTHORS: Abdullayev, A. A., Lobanov, Ye. M., Novikov, A. P., Romanov, M. M., and Khaydarov, A. A.

TITLE: Determination of Indium Content in Sphalerites by Radioactivation Analysis

PERIODICAL: Zhurnal analiticheskoy khimii, 1960, Vol. 15, No. 6, pp. 701-705

TEXT: The authors made an attempt of developing a method for the indium determination in sphalerites by means of direct measurement of the energy spectra of the test sample by a γ-scintillation spectrometer. The production of radioisotopes of indium according to the reaction (n,γ) was used as a basis for the method. The nuclear characteristics of the elements occurring in sphalerites are given in Table 1. The device applied consists of a special lead casing (with the spectrometric monocrystal NaI(Tl)) 40 mm in diameter and 38 mm high, which is connected with a photoelectronic multiplier of the ФЭУ-1С (FEU-1S) type; a single-channel amplitude analyzer with amplifier, a computer, and a stabilized high-voltage rectifier. The energy scale of the analyzer in the energy range of 0.3-1.5 Mev

proved to be linear (Fig. 2). The activity of elements contained in the sphalerite was calculated from data given in Table 1, on the basis of which the curves for the activity decrease were plotted (Fig. 3), according to the equation $I = n\nu\sigma N\left[1 - \exp(-0.693t/T)\right]$, where $n\nu$ denotes the neutron flux, σ the cross section of neutrons of the elements, N the number of nuclei of the activated element, t the time of irradiation, and T the half-life period. The analysis of the curves given in Fig. 3 suggests a period of 5 minutes to be an adequate interval between the termination of irradiation and the beginning of measurements. The sphalerite standard samples were bombarded with slow neutrons from a polonium-beryllium source with an activity of 35 curies for 3 hours and 35 minutes. The authors investigated the change of intensity of the photopeaks of the energy spectrum with time, and identified the isotope both with respect to the characteristic bands of the spectrum and the half-life period. The activity of the indium isotope was measured within two half-life periods, and then the degradation curves were plotted (Fig. 4). Table 2 gives the results obtained for the activity of standard samples of different indium contents. Fig. 5 shows the activity as a function of the percentage indium content at an interval

of measurement of 5 minutes and with a 5 g sample. On the basis of Fig. 5, a nomograph was plotted to determine the percentage indium content in samples of different weights (Fig. 6). After calibrating the device and plotting the nomograph, the indium concentration was determined in sphalerites from some deposits of the Uzbekskaya SSR (Table 3). The difference between the results is, on an average, not more than 7%, and the statistic error not more than ±3%, whereas the characteristic error of the method (due to unequal conditions on bombarding and measurement) is ± 2 - 3%, at an In-content in the order of magnitude of 0.1%. Finally, the authors thank S. T. Baladov for providing an analytical sample. There are 6 figures, 3 tables, and 6 references: 3 Soviet, 1 Austrian, and 2 US.

ASSOCIATION: Institut yadernoy fiziki AN UzSSR, Tashkent (Institute of Nuclear Physics of the AS Uzbekskaya SSR, Tashkent)

SUBMITTED: August 25, 1959

STARODUBTSEV, S.V., otv. red.; ABDULLAYEV, A.A., kand. fiz.-mat. nauk, red.; ABDURASULOV, D.M., doktor med. nauk, red.; ARIFOV, U.A., akad., red.; BORODULINA, A.A., kand. biol. nauk, red.; IVASHEV, V.N., red.; IKRAMOVA, G.S., red.; KIV, A.Ye., red.; LOBANOV, Ye.M., kand. fiz.-mat. nauk, red.; NIKOLAYEV, A.I., kand. mad., nauk, red.; NISHANOV, D., kand. khim. nauk, red.; SADYKOV, A.S., akad., red.; TALANIN, Yu.N., kand. fiz.-mat. nauk, red.; TURAKULOV, Ya.Kh., doktor biol. nauk, red.; GAYSINSKAYA, I.G., red.; GOR'KOVAYA, Z.P., tekhn. red.

[Transactions of the Conference on the Peaceful Uses of Atomic Energy held at Tashkent in 1959] Trudy Konferentsii po mirnomu ispol'zovaniiu atomnoi energii, Tashkent, 1959. Tashkent, Izd-vo Akad. nauk Uzbekskoi SSR. Vol.1. 1961. 410 p. (MIRA 14:9)

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(Atomic energy--Congresses)

ABDULLAYEV, A.A.; BIBINOV, S.A.; LOBANOV, Ye.M.; KHAITOV, B.K.; KHAYDAROV, A.A.

Using radioactive isotopes as indicators for studying the dynamics of underground waters. Uzb.geol.zhur. 6 no.1:57-61 '62. (MIRA 15:4)

1. Akademiya nauk UzSSR.
(Water, Underground) (Radioisotopes)

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Measurement of the activity of tritium in water samples. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 6 no.5:40-44 '62. (MIRA 15:11)

1. Institut yadernoy fiziki AN UzSSR.
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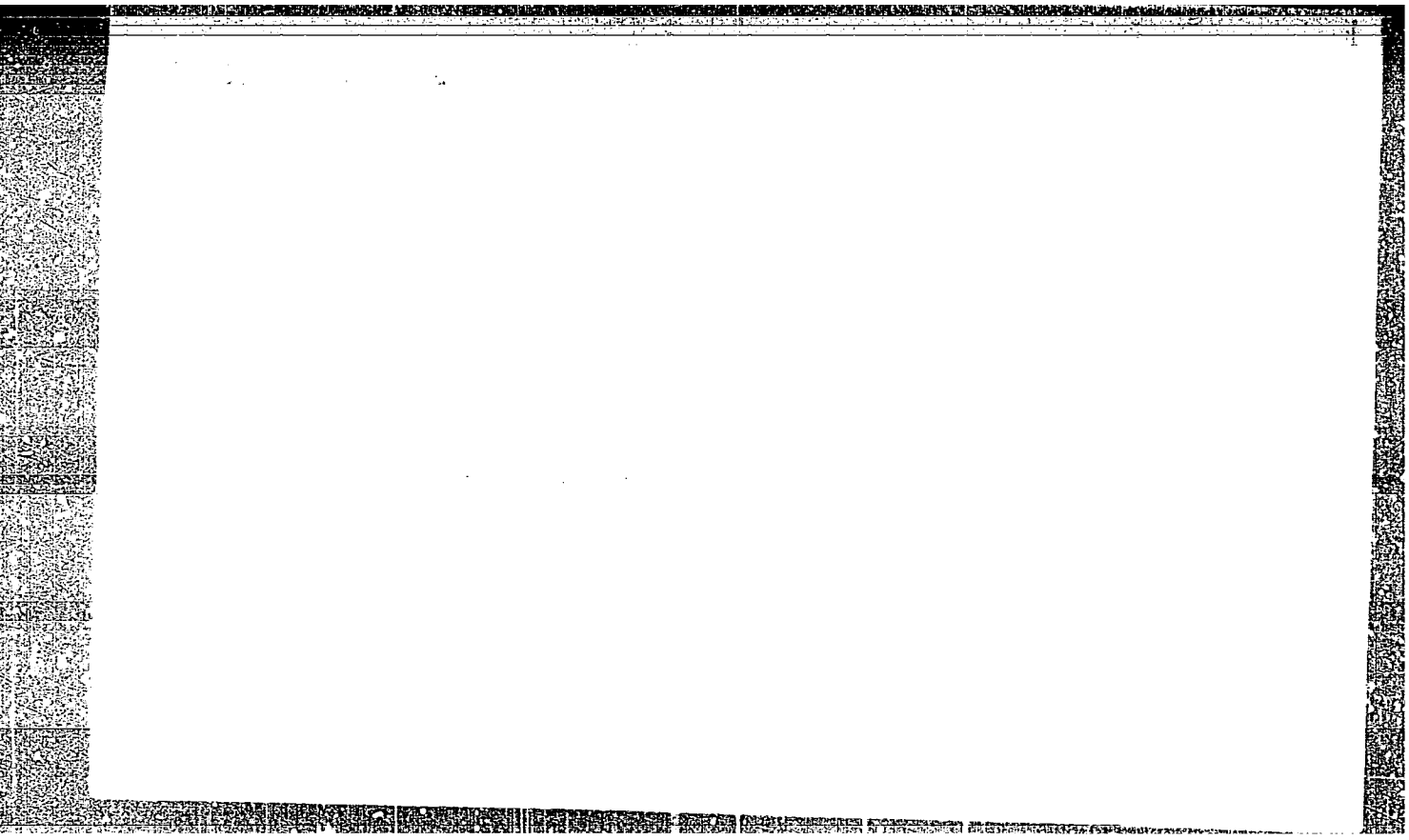
Use of tritium in hydrogeological studies. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 6 no.5:45-49 '62. (MIRA 15:11)

1. Institut yadernoy fiziki AN UzSSR.
(Tritium) (Geophysics)



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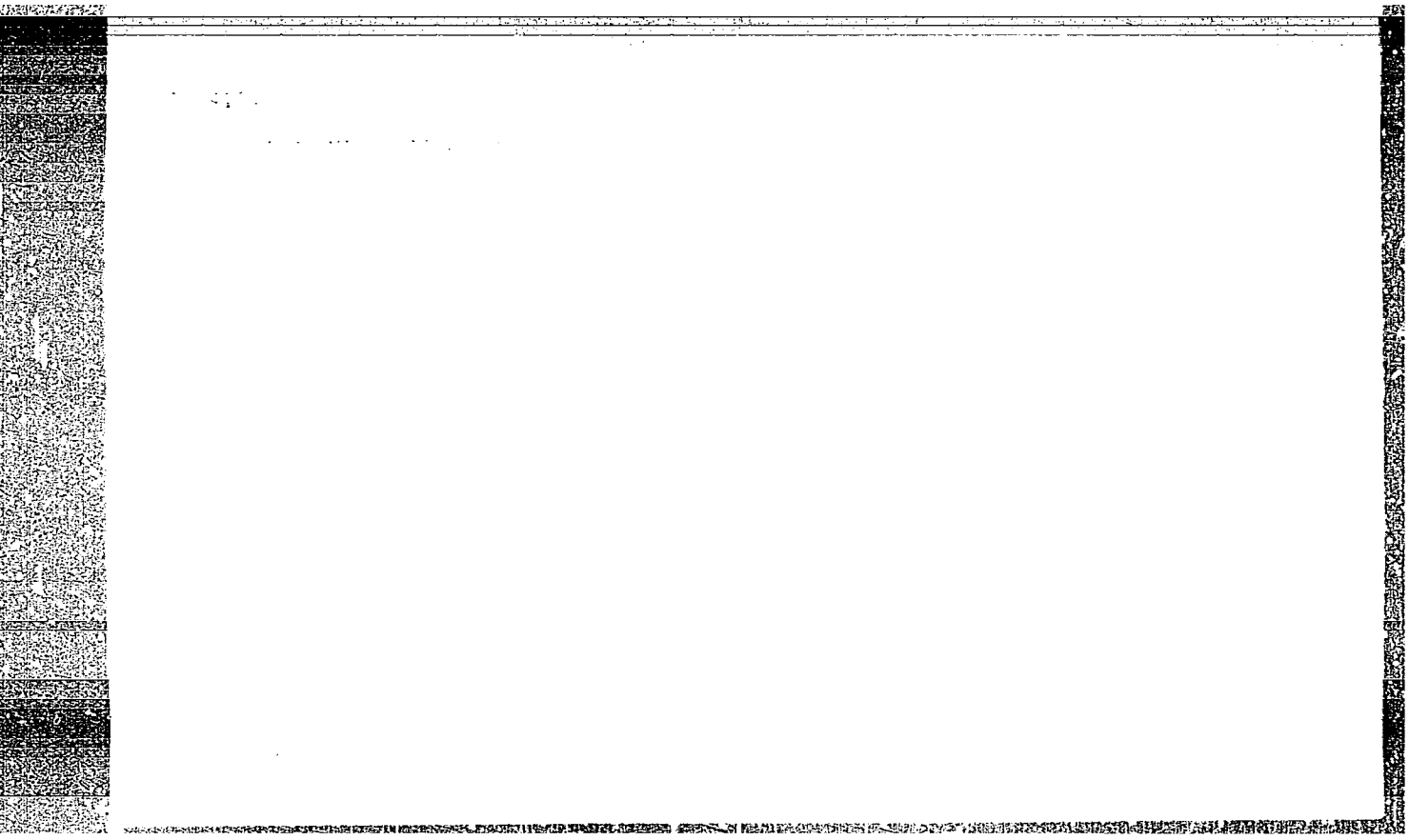

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ACCESSION NR: AP4038421 S/0166/64/000/002/0056/0058

AUTHOR: Abdullayev, A. A.; Khaitov, B. K.

TITLE: Investigation of the performance of self-quenched counters

SOURCE: AN UzSSR. Izv. Seriya fiziko-matematicheskikh nauk, no. 2, 1964, 56-58

TOPIC TAGS: counter plateau, electron drift, electrical field, voltage potential, gas pressure, proportionality coefficient, gas mixture, plateau region, gas filled counter, self quenched counter, counter performance, Geiger Mueller counter

ABSTRACT: The purpose of this paper is to study the characteristics of a counter, filled with a mixture of ethylene and hydrogen in the presence of oxygen, water vapor, and chlorine. A counter plateau was obtained having a large slope (~60%) and relatively short duration. The rate of electron drift in the electrical field was directly proportional to the voltage potential applied to the electrode and inversely proportional to the gas pressure in the counter. Although the investigation was performed at various pressures, optimal performance was obtained at 10 and 70 mm Hg, respectively. Such a correlation of gas mixtures produced a plateau region with a duration of up to 250 v. Its slope did not exceed 7%, and the performance of the first and second counters was within a range of 1100-1300 and 1050-1300 v, respectively. The background of the various counters remained constant; i.e., 18-40

Card 1/2

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ASSOCIATION: Institute yadernoy fiziki. AN UzSSR (Institute of Nuclear Physics, AN UzSSR)

SUBMITTED: 26Aug63 DATE ACQ: 26Jun64 ENCL: 00

SUB CODE: NP NO REF SOV: 004 OTHER: 002

Card 2/2

ABDULLAYEV, A.A.; ZAKHIDOV, A.Sh.; LOBANOV, Ye.M.; KHAITOV, B.K.

Motion of various indicators in underground water currents.
Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 8 no.6:43-47 '64.
(MIRA 18:3)

1. Institut yadernoy fiziki AN UzSSR.

ABDULAYEV, A.A.

Abdulayev, A.A., "Automatic Regulation of Arc-welding," Traktaty Sektisii po nauchnoy razrabotke problem elektrosvarki i elektrotermii /Transactions of the Section on the Scientific Solution of Problems of Electro-welding and Electrothermy/, No 1, 1953, Moscow, Academy of Sciences USSR, 140 pages, figures and bibliography.

ABDULAYEV, A.A.

Abdulayev, A.A., "Automatic Regulation of Turbines," in the book, Ispol'zovaniye vodnoy energii /The Utilization of Water Power/, Part 1, 1953, pages 312-343, Moscow, Sel'khozgiz; 26 figures.

ABDULAYEV, A.A.

Abdulayev, A.A., "Automatic Regulation of Groups of Compressor Holes Connected by a Master Feed line, I", Avtomatika i telemekhanika /Automation and Telemechanics/ Volume XIV, No 3, 1953, pages 283-293; seven figures, bibliography, five items.

(Automatic control) (Oil wells - Gas lift)

ABDULLAYEV, A. A.

USSR/Electricity - Regulation FD-1667

Card 1/2 Pub. 10-3/11

Author : Nadzhafov, E. M.; Abdullayev, A. A.; and Krementulo, Yu. V. (Moscow)

Title : Experimental investigation of the self-excited oscillations in the internal circuit of a pneumatic regulator

Periodical : Avtom. i telem., Vol. 16, 27-42, Jan-Feb 1955

Abstract : The authors describe procedure and results of an experimental investigation of the internal circuit of the pneumatic regulator type 04. They point out the influence of hydraulic resistance and capacity of the feedback line, its coefficient of amplification (quantity proportional to the range of throttling), capacity at regulator output, supply pressure, regulator's output pressure, diameter of the nozzle of regulator's secondary relay, all namely upon the frequency and amplitude of self-excited oscillations and upon the character of the course of transient processes. They indicate the possibility of applying the self-excited oscillatory regimes of the pneumatic regulators for improving the transient process. Three references: V. L. Losalvevskiy, Principles of automatic regulation of technological processes (in Russian), Oborongiz (Defense Press), 1950. V. V. Solodovnikov, "Frequency method of analyzing the quality of automatic regulation systems," Osnovy avtomaticheskogo regulirovaniya (Principles of automatic

Card 2/2

FD-1667

regulation), editor V. V. Solodovnikov, Mashgiz (Machine Press), 1954.
V. V. Petrov and G. M. Ulanov, "Stabilization of nonlinear servomechanisms," ibid.

Institution : --

Submitted : June 16, 1954

[redacted] A. A.

USSR/Engineering - Regulation

Card 1/1 : Pub. 10-4/12 FD-1745

Author : Abdullayev, A. A. (Baku)

Title : Automatic regulation of groups of compressor wells connected through a general feed main. II (Part I, ibid., Vol. 14, No 3, 1953)

Periodical : Avtom. i telem., Vol. 16, 158-171, Mar-Apr 1955

Abstract : The author considers the mutual influences of regulated compressor wells connected through a general feed main. He derives the equations of such a connected system for various assumed schemes, and demonstrates the operating capacity of these schemes, which are given comparative evaluations. References: F M. Nadzhafov. "Investigation of compressor wells as an object of automatic regulation," Dissertation, 1952. V. V. Solodovnikov, "Application of trapezoidal frequency characteristics to analysis of the quality of automatic regulation systems," Avtom. i telem., 10, No 5, 1949.

Institution : -

Submitted : September 25, 1953

ABDULLAYEV, A. A.
USSR/Automatics and telemechanics-pneumatic regulator FD-2757

Card 1/2 Pub. 10 - 2/11

Author : Abdullayev, A. A.; Vayser, I. V.; Nadzhafov, E. M. (Moscow)

Title : Equations of the pneumatic regulator 04

Periodical : Avtom. i telem., 16, Sep-Oct 1955, 431-453

Abstract : The authors derive the equations to pneumatic regulators of the type 04 (factory "Tizpribor"). Inspite of the fact that these regulators are issued serially (tens of thousands of them in the course of several years) and have been utilized in various branches of the national economy, the designing and computations of systems equipped with regulators of this kind have been made difficult, the authors note, by the fact that up til now equations have not been derived that describe the processes in the regulator and numerical values of the parameters entering these equations have not been determined. They conclude that the derived equations of type 04 regulator and numerical values of their coefficients corresponding to various static regimes permit one knowing the remaining elements of the regulation system (object, final-control mechanism, sensitive element) to write down in numerical form the equations of motion according to final formulas and graphs immediately.

One reference: V. L. Lossiyevskiy, Osnovy avtomaticheskogo regulirovaniya tekhnologicheskikh protsessov [Principles of the automatic regulation of technological processes], Defense Press, 1950.

Institution : -

Submitted : July 14, 1954

ABDULLAYEV, Asaf Alekper ogly; NADZHAFOV, Enver Mamed ogly; AYZERMAN, M.A., professor, doktor tekhnicheskikh nauk, redaktor; GONCHAROV, I.A., redaktor izdatel'stva

[Automatic control in oil extraction using compressors] Avtomaticheskoye regulirovanie v kompressornoi neftedobyche. Baku, Azerbaidzhanskoe gos.izd-vo neft.i nauchno-tekhn.lit-ry, 1956. 242 p. (MLRA 10:9)
(Automatic control)
(Petroleum engineering)

ABDULLAYEV, A.A.

USSR/Processes and Equipment for Chemical Industries - Control and Measuring Devices. Automatic Regulation, K-2

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 64008

Author: ~~Abdullayav, A. A.~~, Nadzhafov, E. M.

Institution: None

Title: Procedure for Calculation of Spontaneous Vibrations in Pneumatic Regulators

Original Periodical: Avtomatika i telemekhanika, 1956, 17, No 3, 195-210

Abstract: A procedure has been worked out for an approximate calculation of spontaneous vibrations in pneumatic regulators of 04 type. Simplified models are proposed for the investigation of spontaneous vibrations in these regulators.

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