AKUL'SHIN, A.F., gornyy inzhener

Automation of mine installations. Ugol' Ukr. 5 no.11:45 N '61.
(MIRA 14:11)
(Coal mines and mining--Automation)

AKUL'SHIN, A.I.; VASILECHKO, V.P.

Prospects for developing the Vygoda oil pool in the northern Dolina oil field. Neft. i gaz. prom. no.2:39-41 Ap-Je '64.
(MIRA 17:9)

AKUL'SHIN, D.G.

Improving heat-treatment processes of SK steel sheets.
Sbor. rats. predl. vnedr. v proizv. no.2:39 '61.
(MIRA 14:7)

1. Alchevskiy metallurgicheskiy zavod.
(Steel—Heat treatment)

AKUL'SHIN, I.T.

Scaffoldings for plastering exterior window jambs. Suggested by I.T.Akul'shin. Rats.i izobr.predl.v stroi. no.16:95-97 '60. (MIRA 13:9)

1. Nachal'nik uchastka Balashikhinskogo stroitel'no-montazhnogo upravleniya tresta No.27 Mytishchistroy Glavmosoblstroya, Moskva, ul.Osipenko, d.80/2.
(Scaffolding)

KOSHCHEYEV, I.A.; AKUL'SHIN, P.K., redaktor.

[Theory of wire communication] Teoriia sviazi po provodam. Pod red. prof. P.K.Akul'shina. Moskva, Sviaz'izdat, 1945. 268 p. (MLRA 7:4)
(Telecommunication)

AKUL'SHIN, P.K.; OGARKOV, P.F., redaktor; MOROZOVA, T.M., tekhnicheskiy redaktor

[Crossing of telephone circuits] Skreshchivanie telefonnykh tsepei. Izd. 3-e, perer. i dop. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1953. 163 p. (MLR 10:1)
(Telephone lines)

AKUL'SHIN, P.K., doktor tekhnicheskikh nauk.

Effect between composited steel circuits due to adjacent nonferrous circuits. Elektrosviaz' 10 no.1:47-55 Ja '56. (MLRA 9:5)
(Telephone lines)

AKUL'SHIN, P.K.

Increased effect between circuits as a result of reflection from the ends of three circuits. Elektrosviaz' 10 no.4:54-61 Ap '56. (Electric circuits)
(MLRA 9:7)

AKUL'SHIN, P. K.

"Protection of Steel Lines From Each Other and From Copper Lines,"
by P. K. Akul'shin, Elektrosvyaz', No 11, Nov 56, pp 44-51

In his previous works the author asserted that adjacent copper (TsM) telephone lines, having a much lower attenuation than steel lines, adversely affect mutual interference between such adjacent telephone wires. Interference between adjacent steel and copper telephone wires was also investigated on an experimental line by Engineers A. A. Kon'kov and N. N. Gerasimov at the Central Scientific Research Institute of Communications.

The author suggests that such cases of undesirable interference between adjacent telephone wires can be eliminated with the aid of noise suppression devices (compressor-expandor) to such an extent that telephone wires can be further multiplexed by three additional high-frequency telephone channels.

Sum 1239

AKUL'SHIN, P.K., doktor tekhnicheskikh nauk.

Improving and simplifying the method of calculating crosstalk attenuation between telephone circuits. Vest.sviazi 16 no.5:11-12 Je '56. (MLRA 9:8)

1. Zaveduyushchiy kafedroy Moskovskogo elektrotekhnicheskogo instituta svyazi.

(Crosstalk)

AKUL'SHIN, P.K.

TRANSMISSION

"Induction between All-Copper Circuits and Steel Circuits through a Third Circuit," by P. K. Akul'shin, Elektrosvyaz', No 7, July 1957, pp 42-48

It is shown that additional induction through a third circuit is of considerable importance in the inductive interference between all-copper and steel circuits. It is particularly important that this effect be taken into account in the transposition of such circuits.

Card 1/1

AUTHOR: Akul'shin, P.K. SOV/106-58-7-10/18

TITLE: On the Question of the Influence on a Neighbouring Third Circuit Caused by Constructional Non-uniformities of the Line (K voprosu o vliyanii cherez sosedniye tret'i tsepi, vyzyvayemom konstruktivnymi neodnorodnostyami linii)

PERIODICAL: Elektrosvyaz', 1958, Nr 7, pp 64 - 68 (USSR)

ABSTRACT: Refers to a previous article by the author (Elektrosvyaz', 1957, Nr 11). It was established in this article that the influence at the far end of the third circuit was caused principally by currents entering that point from the interacting sections. The formula deduced indicated a dependence of the circuit protection on whatever circuit included the generator. This fact did not arouse suspicion since the measurement of protection between circuits in aerial or cable lines almost always gives different values, depending on whether the generator is connected into the first or second circuit. However, subsequent investigation has led to the conclusion that for fixed distribution of constructional non-uniformities over the length of a repeater section and also for a fixed

Card 1/3

transposition scheme the protection of one circuit from another should not depend on where the generator is. This fact follows from the theorem of reciprocity. A shorter method of computing circuit protection is described which leads to Formula (5). Table 1 gives values of protection at 4 different frequencies calculated by the present and by the previous methods. Table 2 shows how the protection is affected by different methods of transposition. Figure 5 shows a circuit influenced by two neighbouring circuits which include repeaters. It will be seen from Formulae (10) and (11) that if the transfer attenuations between the circuits are unequal because of the distribution of non-uniformities, then the value of the protection is ambiguous. Figure 6 shows an example where a definite

SOV/106-58-7-10/18

On the Question of the Influence on a Neighbouring Third Circuit Caused by Constructional Non-uniformities of the Line

transposition scheme is assumed, while Formulae (13) and (14) give the two protection values. There are 6 figures and 2 tables.

SUBMITTED: April 14, 1958

Card 3/3 1. Electrical networks--Design 2. Electrical networks--Performance

AKUL'SHIN, P.K.

Н. В. Сутеев

Полупроводниковые схемы в системах уплотнения внутрирайонной связи.

[illegible] июня

([illegible] 22 часов)

Н. Н. Ахинфиев

Суммирование нелинейных помех многоканальных систем на магистралях большой протяженности.

П. В. Шмурев

Экспериментальное и теоретическое исследование закона сложения линейных шумов в канале кабельной магистрали большой протяженности.

А. М. Мигель

Анализ одной из схем комбинированной обратной связи в многоканальном усилителе.

Н. Н. Етрухин

О влиянии частотных нестабильностей на каналы тонального телеграфирования с частотной модуляцией

11 июня

(с 10 до 16 часов)

П. К. Акульшин

Влияние через третьи цепи, вызываемое конструктивными неоднородностями линии.

А. Д. Ананасенко

Влияние радиостанций на цепи воздушных линий связи.

Н. Н. Волкова

Зависимость вторичных параметров цепей от схемы скрещивания

М. Н. Михайлов,
Л. Д. Разумов

Организация связи по ВЧ каналам воздушных линий связи, проложенных в непосредственной близости от контактных сетей электрифицированных ж. д. переменного тока.

11 июня

(с 18 до 22 часов)

Э. В. Зелях

О выборе характеристических параметров симметричных четырехполюсников, в частности содержащих отрицательные сопротивления.

report submitted for the Centennial Meeting of the Scientific Technological Society of Radio Engineering and Electrical Communications im. A. S. Popov (VNORiE), Moscow, 8-12 June. 1959

APANASENKO, A.D., starshiy nauchnyy sotrudnik; GUMELYA, A.N.; VOLNOVA, N.P., mladshiy nauchnyy sotrudnik; GERASIMOV, N.N., mladshiy nauchnyy sotrudnik; GERASIMOVA, R.V., mladshiy nauchnyy sotrudnik; KON'KOV, A.A., mladshiy nauchnyy sotrudnik [deceased]; MARTYNOV, G.K., starshiy tekhnik; FILIPPOVA, T.V., starshiy tekhnik; SUCHKOVA, Z.Ye., starshiy tekhnik. Prinimal uchastiye AKUL'SHIN, P.K., doktor tekhn.nauk, doktor tekhn.nauk. SVERDLOVA, I.S., red.; SHEFER, G.I., tekhn.red.

[Rules for the intersection of telephone lines in overhead telephone communication networks] Instruktsiia po skreshchivaniiu telefonnykh tsepei vozdushnykh linii sviazi. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1959. 270 p.
(MIRA 13:2)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye mezhdugorodnoy telefonno-telegrafnoy svyazi. 2. TSentral'nyy nauchno-issledovatel'skiy institut svyazi Ministerstva svyazi SSSR (for Apanasenko, Volnova, Gerasimov, Gerasimova, Kon'kov, Martynov, Filippova, Suchkova). 3. Nachal'nik laboratorii vozdushnykh liniy svyazi TSentral'nogo nauchno-issledovatel'skogo instituta svyazi Ministerstva svyazi SSSR (for Gumelya).
(Telephone) (Electric lines--Overhead)

PHASE I BOOK EXPLOITATION SOV/4774

Akul'shin, Pavel Kuz'mich, and Sergey Nikolayevich Yevlanov

Osnovy teorii elektricheskoy svyazi, chast' 2: Lineynyye sistemy s raspredelennymi postoyannymi (Principles of the Theory of Electric Communications, Pt. 2: Linear Systems With Distributed Constants) Moscow, Svyaz'izdat, 1960. 221 p. 10,000 copies printed.

Resp. Ed.: I. Ye. Yefimov; ed.: V. Ye. Petrova; Tech. Ed.: K.G. Markoch.

PURPOSE: This book is intended as a textbook for students in schools of higher education taking courses on the "Theory of Electric Communications" which deal with systems with distributed parameters.

COVERAGE: The book has been approved by the Ministry of Communications, USSR, as a textbook for the electrical engineering communications institutes. The textbook presents not only a mathematical analysis of the phenomena occurring in systems with distributed parameters and formulas for their computation, but also explanations regarding the physical significance of these phenomena. Chapters I and III were written by P. K. Akul'shin; chapters II and IV by S.N. Yevlanov. The authors thank I. Ye. Yefimov, Doctor of Technical Sciences, who edited the book, and Professors A.F. Beletskiy and V.N. Kuleshov for their advice. There are no references.

Card 1/6

AKUL'SHINA, N. P.

"Biophytocenological Study of Grass Mixtures on the Kamennaya Steppe." Cand Biol Sci, Leningrad State U, Leningrad, 1953. (RZhBiol, No 1, Sep 54)

SO: Sum 432, 29 Mar 55

AKUL'SHINA, N.P.

Effect of the combination and distribution of the components of grassland mixtures on some of their biological properties and yield. Uch. zap. Tadzh. un. 17. Trud. Fak. est. nauk no.3: 73-98 '58
(MIRA 12:7)

AKUL'SHINA, N.P.

Zonality of landscapes and vegetation in the central part of the southern slope of the Darvaza Range. Dokl. AN Tadzh. SSR 6 no.3:41-43 '63. (MIRA 17:4)

1. Tadzhikskoy gosudarstvennyy universitet imeni Lenina. Predstavleno akademikom AN Tadzhikskoy SSR S.M.Yusupovoy.

IVANOV, P.L.; AKUL'SHINA, Ye.P.

Amount of free gas in sands saturated with water. Nauch.-tekh. inform.biul.LPI no.1/2:141-146 '58. (MIRA 12:6)
(Gases) (Soil mechanics)

AKUL'SHINA, Ye.P.; BGATOV, V.I.; KAZARINOV, V.P.; KOSOLOBOV, N.I.; DAYEV, G.A., vedushchiy red.; FRUMKIN, P.S., tekhn.red.

[Characteristics of the sedimentation in the Devonian and Lower Carboniferous of the South Minusinsk Lowland] Zakonomernosti osadkonakopleniia v devone i nizhnem karbone IUzhno-Minusinskoi kotloviny. Leningrad, Gos.nauchno-tekhn. izd-vo neft.i gorno-toplivnoi lit-ry, Leningr.otd-nie, 1960. 132 p. (Sibirskii nauchno-issledovatel'skii institut geologii, geofiziki i mineral'nogo syr'ia. Trudy, no.12). (MIRA 15:5)
(Minusinsk Basin--Rocks, Sedimentary)

AKUL'SHINA, Ye.P., kand. geologo-miner. nauk

Electrochemical consolidation of silt soils. Trudy NIIZHT no.22:237-246 '61 (MIRA 19:1)

AKUL'SHINA, Ye.P.; BGATOV, V.I.; GURARI, F.G.; GUROVA, T.I.; DERBIKOV, I.V.; YEGANOV, E.A.; KAZANSKIY, Yu.P.; KALUGIN, A.S.; KAS'YANOV, M.V.; KOSOLOBOV, N.I.; KASYGIN, Yu.A.; MIKUTSKIY, S.P.; SAKS, V.N.; TROFIMUK, A.A.; UMANTSEV, D.D.

Professor Vladimir Panteleimonovich Kazarinov; on his 50th birthday. Geol. i geofiz. no.3:122-123 '62. (MIRA 15:7)
(Kazarinov, Vladimir Panteleimonovich, 1912-)

AKUL'SHINA, Ye.P.

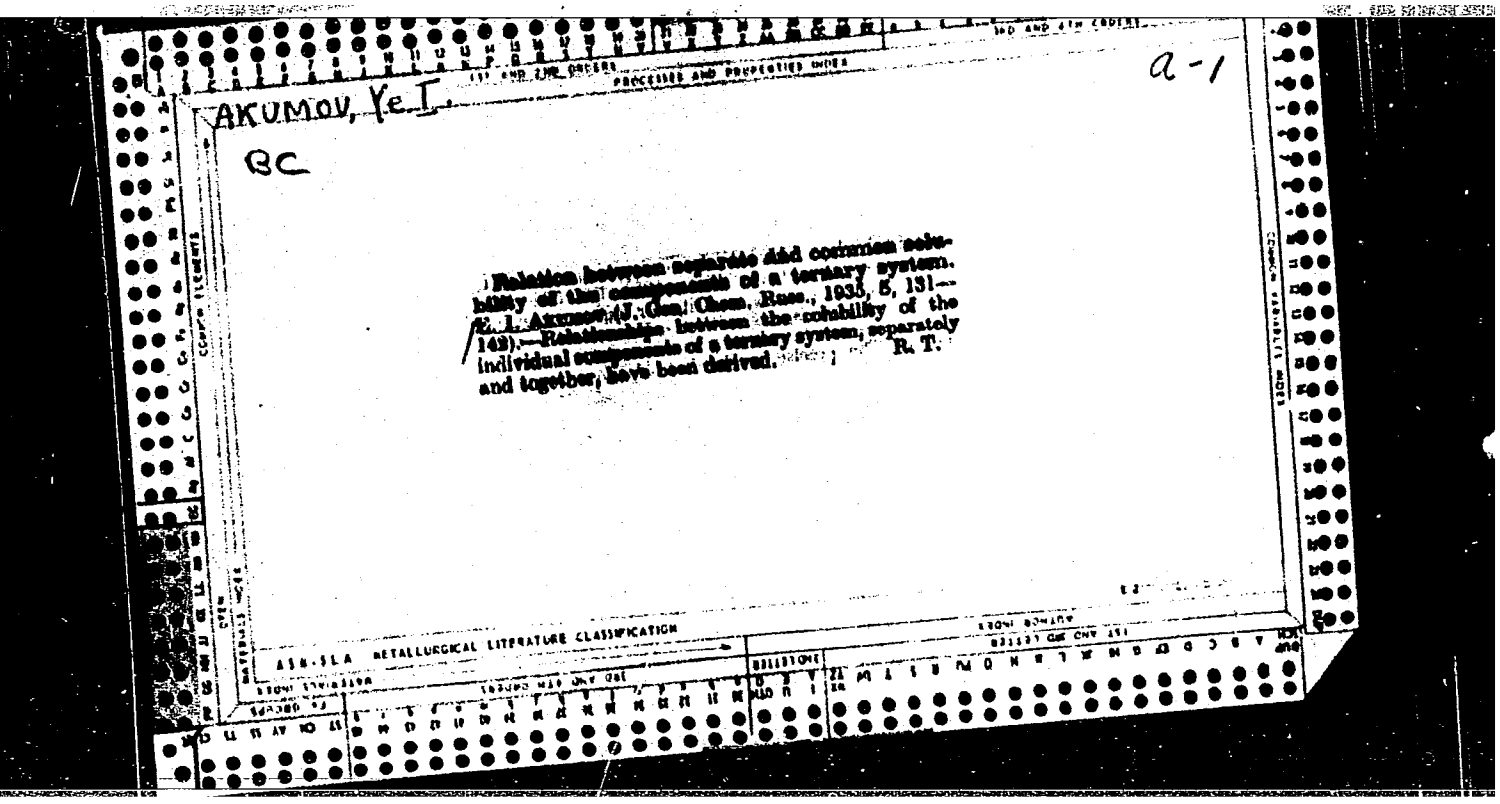
Distribution of clay minerals in sedimentary formations and series in the South Minusinsk Lowland. Geol. i geofiz. no. 9:21-35 '60. (MIRA 14:2)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR, Novosibirsk.
(Minusinsk Basin--Clay)

KAZANSKIY, Yu.P., otv. red.; AKUL'SHINA, Ye.P., red.; PEROZIO, G.N., red.; SERDYUK, Z.Ya., red.

[Clays and clay minerals of Siberia] Gliny i glinistye mineraly Sibiri. Moskva, Nauka, 1965. 131 p.
(MIRA 18:5)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Institut geologii i geofiziki.



AKUMOV, Ye. I.

AKUMOV, E. I.

The dihydrate of sodium chloride. V. P. Ilinskii, V. P. Koroley, and E. I. Akumov. *J. Appl. Chem. U.S.S.R.* 25, 569–77(1952)(Engl. translation); *Zhur. Priklad. Khim.* 25, 507–15(1952).—The properties of the dihydrate of NaCl formed in nature are discussed, and the production of pure NaCl by means of the dihydrate is investigated. In the temp. interval 0.15 to −21.3°, the stable phase in the system NaCl-H_2O is the dihydrate. The stability of the solid dihydrate is detd. by the relative humidity of the surrounding air. In natural conditions in chloride lakes having a small content of SO_4 ions in the brine (value of Jaenecke's index for SO_4 is 0.8–3.0), the total salt content frequently exceeds 23.0–24.5%. Consequently with a lowering of temp. in winter it is possible for the dihydrate to crystallize from the brine. Pure NaCl is obtained by means of the dihydrate by cooling a satd. soln. to give max. crystn. of the dihydrate, which is then sepd. from the mother liquor. At a temp. above 0.15°, the sepd. dihydrate breaks up with formation of anhyd. NaCl and a satd. soln. of it. Solns. contg. less than 23.25% NaCl do not sep. the dihydrate on cooling. Calcns. show that by cooling to −21.3°, one metric ton of soln. satd. with NaCl at 25° will sep. 82.9 kg. of the dihydrate, contg. 51.3 kg. NaCl. Also, the quantity and yield of NaCl which is formed on melting of the dihydrate is practically const. within the temp. limits of 0.15–25°. One metric ton of the dihydrate, melting at 25°, yields 481.5 kg. of anhyd. NaCl for a 77.82% yield.

Herbert Liebeskind

AKUMOV, Ye. I.

Moisture uptake by cooking salt

in weight of 150 g of dry [illegible] salt [illegible]
damp atmosphere until the first drop [illegible]
funnel, is measured, and a linear relation[illegible]
between $\theta = W/[(1/\delta) - (1/d)]$ and i[illegible] where [illegible]
ture uptake" to the drop. δ is the volume[illegible] weight[illegible]
specific gravity of the dry substance and [illegible]
value of the radii of the individual particles [illegible]

AKUMOV, Yu. A.

Device for spinal traction. Ortop., travm. i protez. no.1:69-70 '62. (MIRA 15:2)

1. Iz kafedry detskikh bolezney (zav. - prof. A. I. Perevoshchikov) Izhevskogo meditsinskogo instituta i khirurgicheskogo otdeleniya 4-y gorodskoy detskoy klinicheskoy bol'nitsy (glavnyy vrach - P. I. Maslova)

(ORTHOPEDIC APPARATUS)

AKUMUSKIN, I., candidat in stiinte biologice; KALININ, I., ing.

Patents of nature. St si Teh Buc 14 no.9:26-27 S '62.

AKUMUSHKIN, I.I.; BARANOVA, Z.I.; BRODSKIY, K.A.; VIRKETIS, M.A.; VOLODCHENKO, N.I.; GALKIN, Yu.I.,; GUR'YANOVA, Ye.F.; DOGEL' V.A.; D'YAKONOV, A.M.; ZEVINA, G.B.; IVANOV, A.V.; KIR'YANOVA, Ye.S.; KOBYAKOVA, Z.I.; KOLTUN, V.M.; KONZHUKOVA, Ye.D.; KOROTKEVICH, V.S.; KLYUGE, G.A.; LOZINA-LOZINSKIY, L.K.: LOMAKINA, N.B.; NAUMOV, D.V.; PERGAMENT, T.S.; RESHETNYAK, V.V.; SAVEL'YEVA, T.S.; SKARLATO, O.A.; SOKOLOV, I.I.; STRELKOV, A.A.; TARASOV, N.I.; USHAKOV, P.V.; SHCHEDRINA, Z.G. YAKOVLEVA, A.M.; USHAKOV, P.V., obshchiy rukovoditel'; PAVLOVSKIY, Ye.N., akademik, redaktor; STRELKOV, A.A. redaktor; BRODSKIY, K.A., redaktor; ARONS, R.A., tekhnicheskiy redaktor.

[Atlas of invertebrates of the Far East seas of the U.S.S.R.] Atlas bespozvonochnykh dal'nevostochnykh morei SSSR. Moskva, Izd-vo Akad.nauk SSSR, 1955. 240 p., 66 plates. (MLRA 8:10)

1. Akademiya nauk SSSR. Zoologicheskiy institut.
(Soviet Far East--Invertebrates)

AKUNDOV, I.D.

Using the controlled directional sensitiv ;y method in case of marine seismic prospecting. Trudy MINKHiGP no.50:72-85 '64 (MIRA 18:2)

FRENKEL', R.Sh.; ZALESSKAYA, A.D.; Prinimala uchastiye AKUNINA, N.G.

Investigating the possibility of rubber bonding to glass. Kauch. i rez. 22 no.11:27 N '63. (MIRA 17:2)

1. Volzhskiy filial Nauchno-issledovatel'skogo instituta rezinovoy promyshlennosti.

AKUNOV,V., inzhener

From block to molecule (Explanations to page 4 of cover). Tekh. mol. 23 no.8:29 Ag'55. (MLRA 8:11)
(Milling machinery)

AKUNOV, Viktor Ivanovich; REBINDER, P.A., akademik, redaktor; DEMINA, G.A., redaktor; PLATAKOVA, N.D., tekhnicheskiy redaktor

[Modern vibration mills without grinding parts] Sovremennye vibratsionnye izmel'chiteli bez meliushchikh tel. Pod red. P.A.Rebindera. Moskva, Gos.izd-vo lit-ry po stroit.materialam, 1957. 73 p. (MLRA 10:9)

1. Predsedatel' komissii Akademii nauk SSSR po tonkomu (vibratsionnomu) izmel'cheniyu (for Rebinder)
(Milling machinery)

SOV/179-59-1-33/36

AUTHORS: Akunov, V. I. and Dubinskiy, M. G. (Moscow)

TITLE: Motion of an Aerosol Particle in a Gaseous Medium (Dvizheniye chastitsy aerozolya v gazovoy srede)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Mekhanika i mashinostroyeniye, 1959, Nr 1, pp 176-178 (USSR)

ABSTRACT: The motion is investigated of aerosol particles (e.g. bacteria) in a gaseous medium rotating round a stationary axis as in an aerosol centrifuge. The forces acting in the radial direction on the particle are: the centrifugal and frictional forces and forces arising from the velocity and pressure gradients along the radius. The differential equation containing terms for these forces is set up and solved, and an approximate solution, valid for very small particles, is derived. An analogous solution applicable to the cyclone dust separator is also obtained. In order to make practical use of the formulae, experimental measurement of the resistance to motion of aerosol particles is necessary. There are 3 figures and 2 references, 1 Soviet and 1 English.

SUBMITTED: February 27, 1958.

Card 1/1

1o(4) SOV/179-59-4-22/4o

AUTHORS: Akunov, V. I., Dubinskiy, M. G. (Moscow)

TITLE: On the Optimum Shape of Accelerator Tubes of Jet Mills

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye tekhnicheskikh nauk. Mekhanika i mashinostroyeniye, 1959, Nr 4, pp 143 - 145 (USSR)

ABSTRACT: The working gas (compressed air or vapor) enters under high pressure into the accelerator tube of the ejector in the grinding chamber of a jet mill (Fig 1). The energy transfer from the working gas to the ejected gas, and to the solid particles of the crushed material, occurs mainly in the accelerator tube. The optimum working conditions of the mill correspond to the maximum velocities of the solid particles at the outlet of the accelerator tubes. The optimum shapes of the accelerator tubes are determined here. With these shapes, a maximum velocity of the solid particles at the outlet of the accelerator tube is achieved for a given gas pressure. Testing of the accelerator tubes was carried out at the experimental mill with a counterflow grinding chamber (Fig 1). The execution of these experiments is pointed out in brief. They showed that, in the case of crushing brittle

Card 1/2

and poorly abrasive material, the use of narrowing tubes raises the mill capacity by 80%. It is shown that the amount of specific wear of accelerator tubes of steel st.3 operating with abrasive material, raises with the capacity. To obtain a final judgment on the optimum shape of accelerator tubes for abrasive material, it is necessary to determine the costs of the grinding process under consideration of the different wear of accelerator tubes. There are 3 figures, 1 table, and 2 references, 1 of which is Soviet.

SUBMITTED: March 7, 1958

AKUNOV, V.I., inzh.

New methods for making various materials using air-blast processes. Stroi. mat. 6 no.3:19 Mr '60. (MIRA 13:6)
(Milling machinery)

AKUNOV, V.I. (Moskva); DUBINSKIY, M.G. (Moskva)

High-temperature jet mill. Izv. AN SSSR. Otd. tekh. nauk. Energ. i avtom. no.4:55-59 Jl-Ag '61. (MIRA 14:9)
(Physical measurements)

AKUNOV, V.I.; KHEYFETS, S.B., inzh., retsenzent; VASILENKO, A.N., red.; TAIROVA, A.L., red. izd-va; SMIRNOVA, G.V., tekhn. red.

[Jet mills; elements of theory and design]Struinye mel'nitsy; elementy teorii i rascheta. Moskva, Mashgiz, 1962. 263 p. (MIRA 15:10)

(Milling machinery)

AKUNOV, V.I., kand.tekhn.nauk; IOSELEVICH, K.S.

Improving the wear resistance of parts subjected to high-speed abrasive action. Vest.mashinostr. 42 no.9:15-19 S '62. (MIRA 15:9)

(Abrasives industry--Equipment and supplies)

AKUNOV, V.I., inzh.

Choosing the optimum types of pulverizers. Stroi.mat. 8 no.11: 18-21 N '62. (MIRA 15:12)

(Pulverizers)

AKUNOV, V.I., kand. tekhn. nauk; IOSELEVICH, K.S., inzh.

Wear of grinding chambers of jet mills for superfine grinding.
Khim. i neft. mashinostr. no.6:28-30 D '64 (MIRA 18:2)

AKUNOV, V.I., kand.tekhn.nauk

Standardization of counter-flow jet mills. Khim. i neft. mashinostr. no.9:33-34 S '65. (MIRA 18:10)

L 13600-66 EWT(m)

ACC NR: AP6001016 (A) SOURCE CODE: UR/0286/65/000/022/0101/0101

AUTHORS: Isidorov, V. V.; Akunov, V. I.; Dubinskiy, M. G.; Zavadskiy, G. V.; Inshakov, Yu. T.; Lur'ye, M. Yu.; Myasin, N. I.; Nosenko, N. Ye.; Plevako, A. N.; Rybin, V. R.; Sidochenko, I. M.; Sominskiy, D. S.; Titov, P. P.; Khalov, G. G.; Shchevel', A. S.; Zavgorodniy, N. S.

ORG: none

TITLE: A reactor for combined pulverizing and burning of a material, such as cement, in a high temperature gas stream. Class 80, No. 145469

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 22, 1965, 101

TOPIC TAGS: cement, thermal reactor

ABSTRACT: This Author Certificate presents a reactor for combined pulverizing and burning of a material, such as cement, in a high temperature gas stream. To provide automatic regulation of the burning and calcification time for the material in the reactor, the latter is made in the shape of a flat, lenticular chamber. Nozzles of the combustion chambers are built into the peripheral circle of the lenticular chamber and at an angle to its radii. An opening in the center of the chamber bottom is used to discharge the finished burned product.

SUB CODE: 18,13/ SUBM DATE: 24May61

Card 1/1

BELOKON', V.V., inzh.; AKUNOV, V.I., kand. tekhn. nauk

Iron removal from quartz sand during its grinding on a counter-flow-type jet mill. Stek. i ker. 22 no.12:22-25 D '65. (MIRA 18:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut novykh stroitel'nykh materialov.

L 11514-66 EWT(m)/T/EWF(j)/ETC(m) WW/RM

ACC NR: AP6005950 (A) SOURCE CODE: UR/0191/66/000/002/0027/0029

AUTHOR: Nikonova, S. N.; Golubenkova, L. I.; Shabadash, A. N.; Akutin, M. S. 27

ORG: none B

TITLE: Reaction of organosilicon compounds with glass fiber

SOURCE: Plasticheskiye massy, no. 2, 1966, 27-29

TOPIC TAGS: glass fiber, organosilicon compound grafting, coupling agent

ABSTRACT: A study has been made of the reaction of organosilicon compounds with glass fiber used in the manufacture of glass-reinforced plastics. An IR-spectroscopic method developed by the authors and involving immersion of the fiber in a special liquid, whose refractive index approaches that of glass, was used for direct identification of groups of organosilicon compounds grafted on the glass surface. The experiments were conducted with alkali and alkali-free glass fibers. The fiber was treated for 2 hr with the organosilicon compound or its organic analog. The untreated portion of the coupling agent was then removed with a polar and a nonpolar solvent. Treatment of glass fibers with trimethylchlorosilane (I) or trimethylsilanol (II) resulted in the grafting of trimethylsilyl groups on the glass surface. The degree of grafting was higher when the glass was treated with I. Weak alkalis removed some of the trimethylsilyl groups by leaching the glass. Organosilicon compounds containing no reactive groups, trimethylchloromethane, and tri-

UDC: 678.84:678.06:677.521

Card 1/2

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ACC NR: AP6005950

methylcarbinol did not react with the glass fiber surface. Orig. art. has: 3 figures. [BO]

SUB CODE: 11/ SUBM DATE: 12Jan65/ ORIG REF: 007/ OTH REF: 004/ ATD PRESS: 4199

Card 2/2

BOYAKHCHYAN, A.B.; AKUNTS, B.A.; AREVSHATYAN, M.S.

Effectiveness of monomycin in calf diseases. Izv. AN Arm. SSR, Biol. nauki 17 no.2:63-67 F '64. (MIRA 17:8)

1. Laboratoriya antibiotikov kafedry epizootologii Yerevanskogo zooveterinarnogo instituta.

AKUNTS, B. A.: Master Vet Sci (diss) -- "Experience in treating experimental brucellosis". Yerevan, 1958. 30 pp (Min Agric USSR, Yerevan Zoovet Inst), 150 copies (KL, No 1, 1959, 122)

BOYAKHCHYAN, A.B., prof.; AKUNTS, B.A., kand. veterin nauk;
AREVSHATYAN, M.S., mladshiy nauchnyy sotrudnik

Therapeutic effectiveness of monomycin in calf and lamb diseases. Veterinariia 40 no.10:47 O'63. (MIRA 17:5)

1. Yerevanskiy zootekhnichesko-veterinarnyy institut.

BOYAKHCHYAN, A.B.; AKUNTS, B.A.; AREVSHATYAN, M.S.

Effectiveness of monomycin in calf diseases. Izv. AN Arm. SSR. Biol. nauki 17 no.2:63-67 F '64. (MIRA 17:8)

1. Laboratoriya antibiotikov kafedry epizootologii Yerevanskogo zooveterinarnogo instituta.

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S/653/61/000/000/038/051
I042/I242

AUTHOR: Akunts, K.A.

TITLE: Design and construction of plastic commutators for electrical equipment

SOURCE: Plastmassy v mashinostroyenii i priborostroyenii. Pervaya resp. nauch.-tekh. konfer. po vopr. prim. plastmass v mashinostr. i priborostr., Kiev, 1959. Kiev, Gostekhizdat, 1961, 416-419

TEXT: In plastic commutators the plastic can constitute the basic structural element, it can act as a binder and insulator, or it can, in addition, support mechanical stresses with the aid of metal rings. The first two types have found wide application. Latvian factories have been generally using substance K-6 consisting of phenolformaldehyde resins with asbestos filler and operative up to 200°C. Recently a new substance АГ-4 (AG-4), consisting of a modified

Card 1/2

S/653/61/000/000/038/051
I042/I242

Design and construction of plastic....

phenolformaldehyde resin with glass wool filler, has been developed. AG-4 has good dielectric properties and its mechanical strength approaches that of steel. The thermal processing of AG-4 is 5-6 times shorter than that of K-6 and the substance can operate at 250°C for brief periods. The advantages of pressing the commutators from tabular stock are listed. The conditions for pressing are given. There are 2 tables.

Card 2/2

S/196/61/000/011/025/042
E194/E155

AUTHORS: Fish, A.Ya., Tarnopol'skiy, Yu.M., Petrov, A.V., and Akunts, K.A.

TITLE: Electrical machine commutators with plastic frames

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no.11, 1961, 4, abstract 11I 29. (Vestn. elektroprom-sti, no.4, 1961, 22-26)

TEXT: The article describes two new constructions of commutator with plastic frame and copper bars having both one and several V-pieces. A structural feature of the first type is that the V-pieces by which the bars are fixed to the plastic frame are formed in the cross-section of the copper bar over its entire width. When the bar is more than 4 - 5 mm thick the longitudinal V-piece is made continuous, and for small thicknesses discontinuous. Then the cut-away pieces in neighbouring bars are so arranged in honeycomb fashion as to avoid the possibility of contact between bars when pressing the commutator frame and to ensure that the jumpers are thick enough. A feature of the

Card 1/2

commutator with multiple V-pieces is that the part of the copper bar fixed in the plastic frame is made in the form of several V-pieces. In addition to the lugs at the end the copper bar may have one or several intermediate support elements. This construction of commutators on plastic frames gives an appreciable economy of copper and micanite without loss of structural strength. 5 illustrations. 8 literature references.

[Abstractor's note: Complete translation.]

TARNOPOL'SKIY, Yu.M.; PETROV, A.V.; AKUNTS, K.A.; Prinimali uchastiye: KAULINYA, R.P., mladshiy nauchnyy sotrudnik; KONSHEV, A.V., inzh.

Effect of compression parameters on the strength of the plastic AG-4. Plast.massy no.4:65-67 '62. (MIRA 15:4)
(Plastics--Molding)

TARNOPOL'SKIY, Yu.M.; AKUNTS, K.A.; PETROV, A.V.

Use of plastic materials in the construction of collectors of electrical machinery. Plast.massy no.10:44-46 '61. (MIRA 15:1)
(Electric machinery) (Plastics)

FISH, Aron Yakovlevich; TARNOPOL'SKIY, Yuriy Matveyevich; AKUNTS, Karlen Armenakovich; PETROV, Aleksandr Vasil'yevich; POPOV, K.K., red.; BUL'DYAYEV, N.A., tekhn. red.

[Collectors of electrical machines using plastic materials] Kollektory elektricheskikh mashin na plastmasse. [By]A.IA. Fish i dr. Moskva, Gosenergoizdat, 1963. 191 p. (MIRA 16:4)

(Electric machinery) (Plastics)

AKUNTS, K.B.

Nonsuture method of salpingo-salpingoanastomosis using a fibrin tube. Sov. med. 28 no.1:82-84 Ja '65. (MIRA 18:5)

1. Kafedra akusherstva i ginekologii (zav. prof. A.A.Lebedev) pediatricheskogo fakul'teta II Moskovskogo meditsinskogo instituta imeni Pirogova i patologoanatomicheskoye otdeleniye (zav. - kand. med. nauk M.A.Potekayeva) 24-y gorodskoy bol'nitsy, Moskva.

SAPOTNITSKIY, S.A.; GALAKHOVA, V.Ye.; NIKITINA, N.A.; AKURA, V.D.

Preparation of calcium-free sulfite liquors for biochemical treatment. Gidroliz. i lesokhim.prom. 16 no.1:7-9 '63. (MIRA 16:2)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut gidroliznoy i sul'fitnospirtovoy promyshlennosti.
(Sulfite liquor)

AKURATOV, V.

AKURATOV, V. Unseen orienting points. p.5.

Vol. 4, no. 10, 1955
RADIO
TECHNOLOGY
Sofiya, Bulgaria

So: East European Accessions, Vol. 5, no. 5, May 1956

AKURATOV, V.

Invisible Orientators (on the North Pole). "RADIO" Ministry of Communication, #10:5: Oct 55

AKURATOV, V. N.

"Meteorological conditions for avalanche formation in the Khibiny region."

report to be presented at Intl Symp on Scientific Aspects of Snow and Ice Avalanches, Davos, Switzerland, 5 Apr-11 Apr 65

KHORAVA, G.V.; KURMAZIYA, N.M.; AKUSBA, Z.V.

Testing the preparation, chloroquine, in human ascariasis. Med. paraz.i paraz.bol no.3:340-341 '61. (MIRA 14:9)

1. Iz Gudautskoy infektsionnoy bol'nitsy Ministerstva zdravookhraneneiya Abakhzskoy ASSR.
(ASCARIDS AND ASCARIASIS) (QUINOLINE)

1. Vylegzhanin, A.I., Akush. M.D.

2. USSR (600)

4. Hypertension

7. Hypertension and pregnancy. i gin. no.6, 1952.

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

KHORAVA, G.V.; KISLENKO, N.S.; KURMAZIYA, N.M.; AKUSBA, Z.V.

Treatment of ascariasis with naphthamon (alcopar). Med. paraz. i paraz. bol. 32 no.4:397-399 Jl-Ag '63. (MIRA 17:8)

1. Iz Gudautskoy infektsionnoy bol'nitsy Ministerstva zdravookhraneniya Abkhazskoy ASSR.

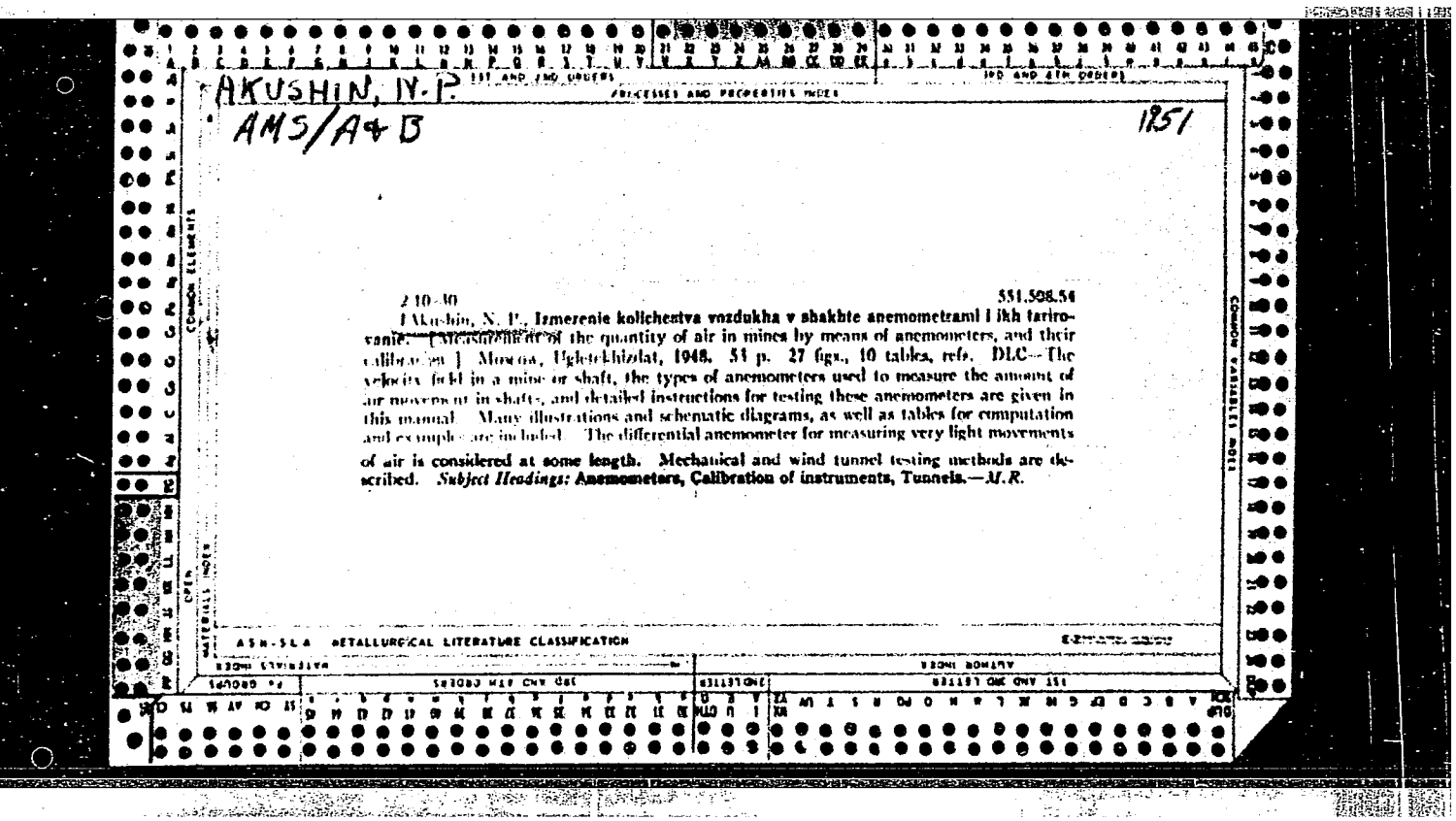
AKUSHIN, A.I.

NUCLEAR THEORY: INSTRUMENTATION (PULSE COUNTERS)

"Axially-Symmetrical Electronic Multiplier for the Recording of Ions," by A. I. Akushin, Second Scientific-Research Physics Institute of the Moscow State University imeni M. V. Lomonosov. Pribory i Tekhnika Eksperimenta, No 3, 1957, May-June, pp 72-73.

Description of the construction of an axially-symmetrical electron multiplier for recording ions, intended to operate in conjunction with an electrostatic spherical analyzer of low-energy charged particles. The electrodes of the multiplier are made in the form of surfaces of rotation of the contours of the electrodes used in Allen's multiplier (Review of Scientific Instruments, 1947, 18, 739). See also Maxson, Allen and Jentschke, Physical Review, 1955, 97, 109.

Card: 1/1



AKUSHIN, N.P.
AMS/A+B
1951

Z 10-40 551.508.54

[Akushin, N. P.] Izmerenie kolichestva vozdukha v shakhte anemometrami i ikh tarirovanie. [Measurement of the quantity of air in mines by means of anemometers, and their calibration.] Moscow, Ugletekhizdat, 1948. 51 p. 27 figs., 10 tables, refs. DLC—The velocity field in a mine or shaft, the types of anemometers used to measure the amount of air movement in shafts, and detailed instructions for testing these anemometers are given in this manual. Many illustrations and schematic diagrams, as well as tables for computation and examples are included. The differential anemometer for measuring very light movements of air is considered at some length. Mechanical and wind tunnel testing methods are described. *Subject Headings:* **Anemometers, Calibration of instruments, Tunnels.**—*M.R.*

AKUSHKO, M.

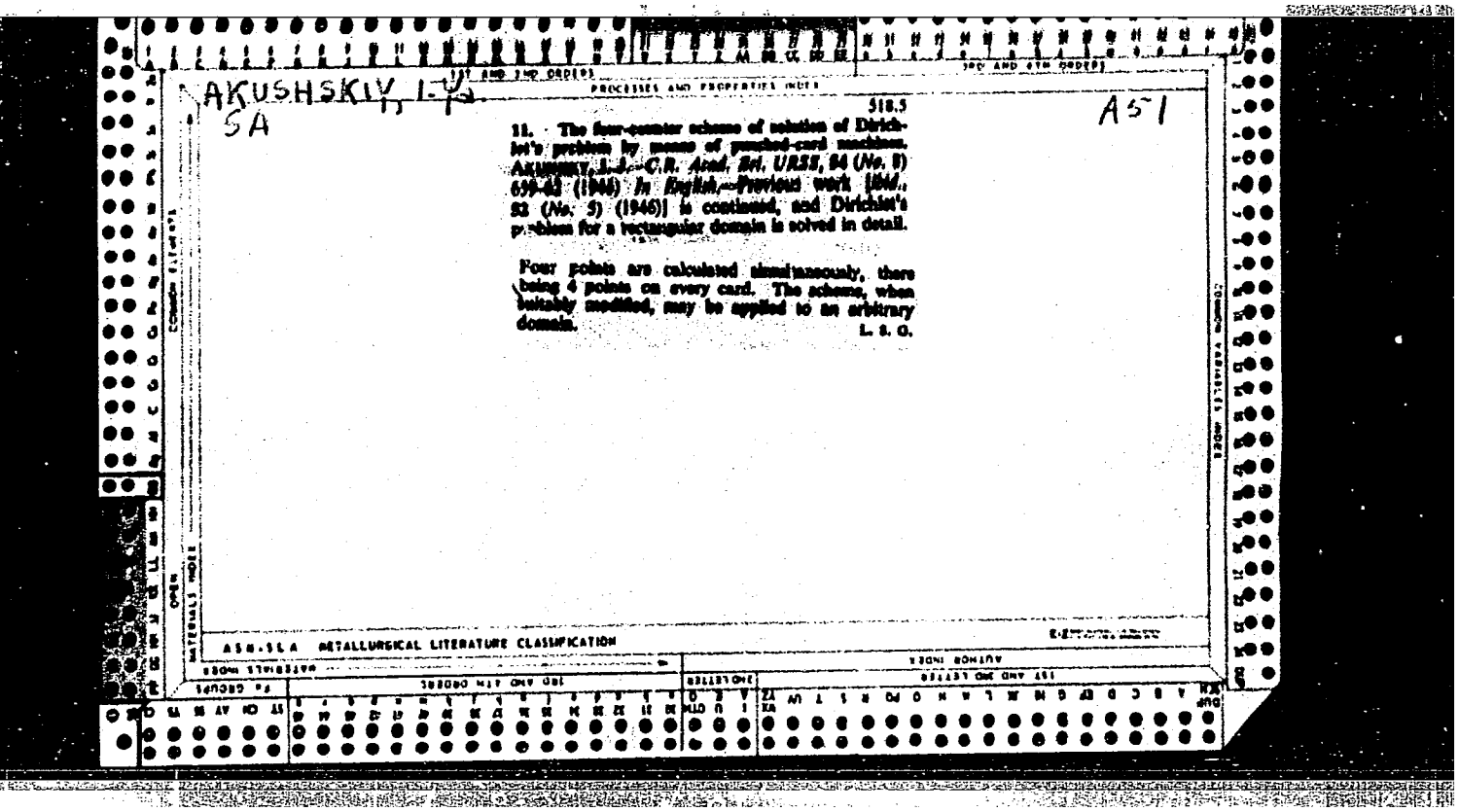
First year's work in a coal mine. Mast. ugl. 5 no.8: 6-7 Ag '56. (MLRA 9:11)

1. Elektroslesar' shakhty "Proletarskaya diktatura" kombinata Rostovugol'.
(Coal mines and mining)

AKUSHSKIY I. Ya

Primeneniye schetno-analiticheskikh mashin k chislennomu resheniyu zadachi dirikhle. Dan, 52 (1946), 179-182.
O nekotorykh skemakh dlya prakticheskogo ga[illegible]ticheskogo analiza. Dan. 52 (1946), 475-478

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



AKUSHSKIY, I. Ya.
SA

A51

518.5

11. The four-counter scheme of solution of Dirichlet's problem by means of punched-card machines. AKUSHSKIY, I. Ya. C.R. Acad. Sci. URSS, 54 (No. 8) 699-63 (1946) In English.—Previous work [Ibid., 52 (No. 5) (1946)] is continued, and Dirichlet's problem for a rectangular domain is solved in detail.

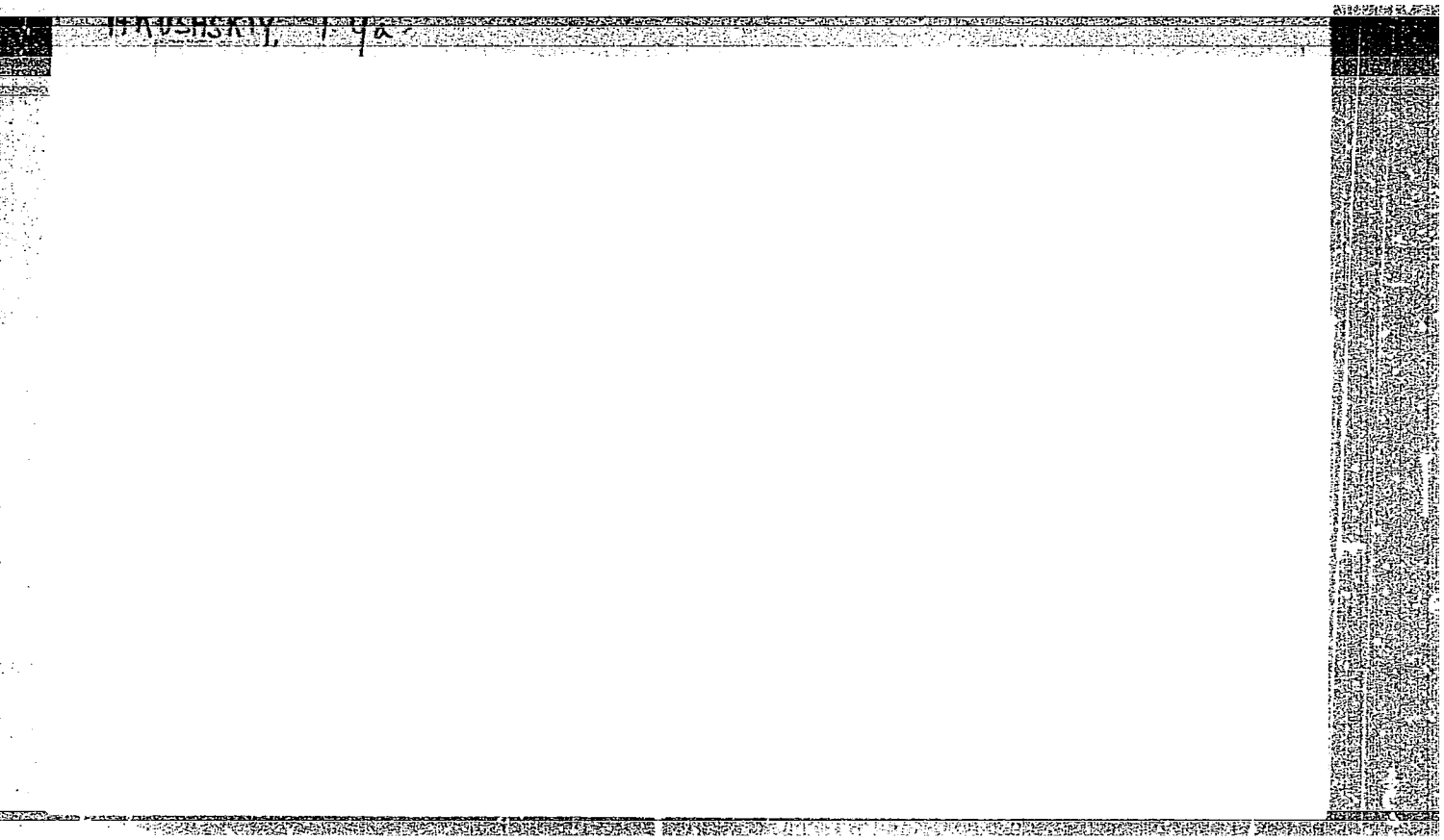
Four points are calculated simultaneously, there being 4 points on every card. The scheme, when suitably modified, may be applied to an arbitrary domain.

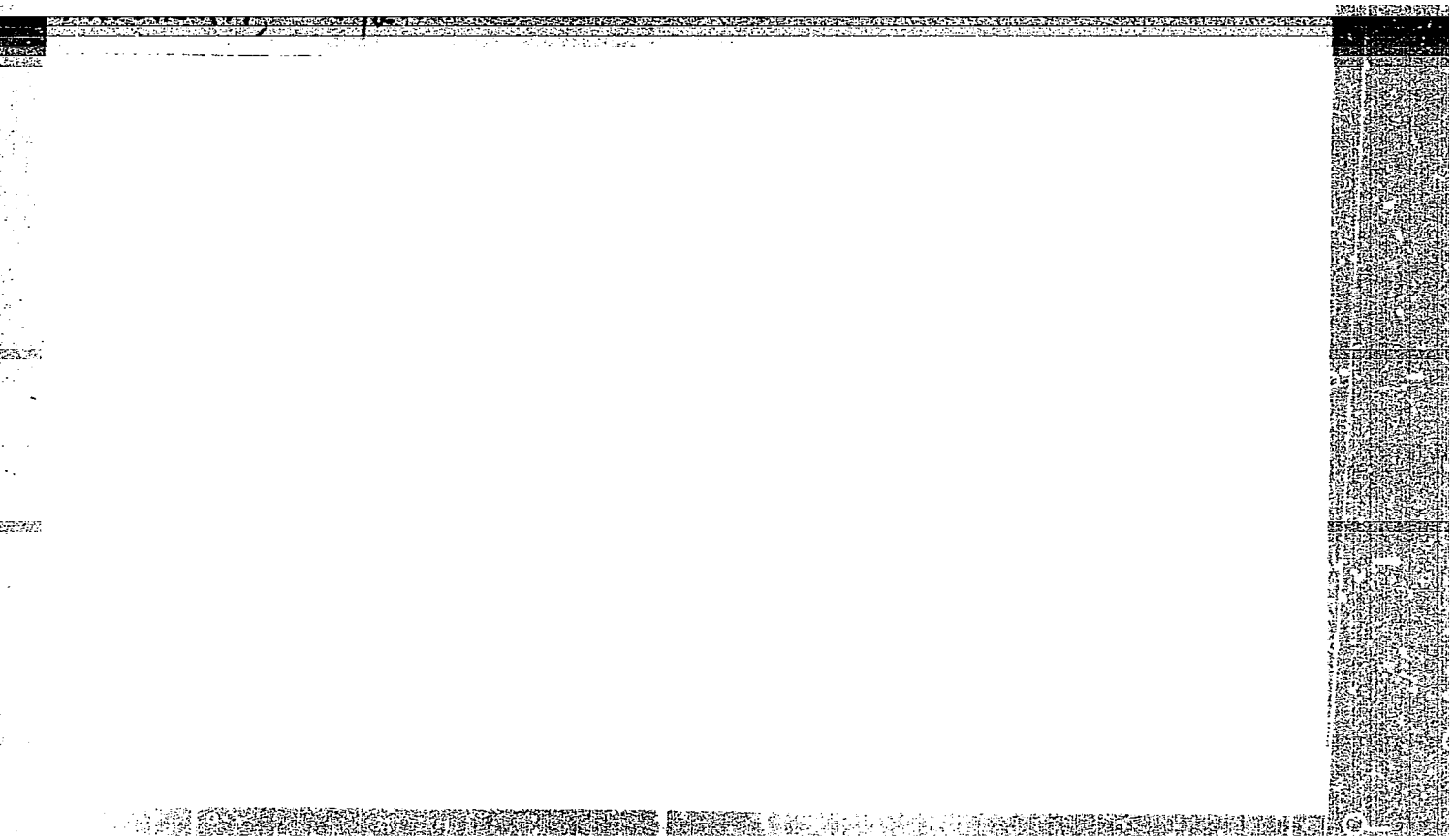
L. S. G.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

AKUSHSKIY, I. Ya.

"On Numerical Solution of Dirichlet Problem on Punched-Card Machine," Dokl. AN SSSR, 54, No.9, 1946





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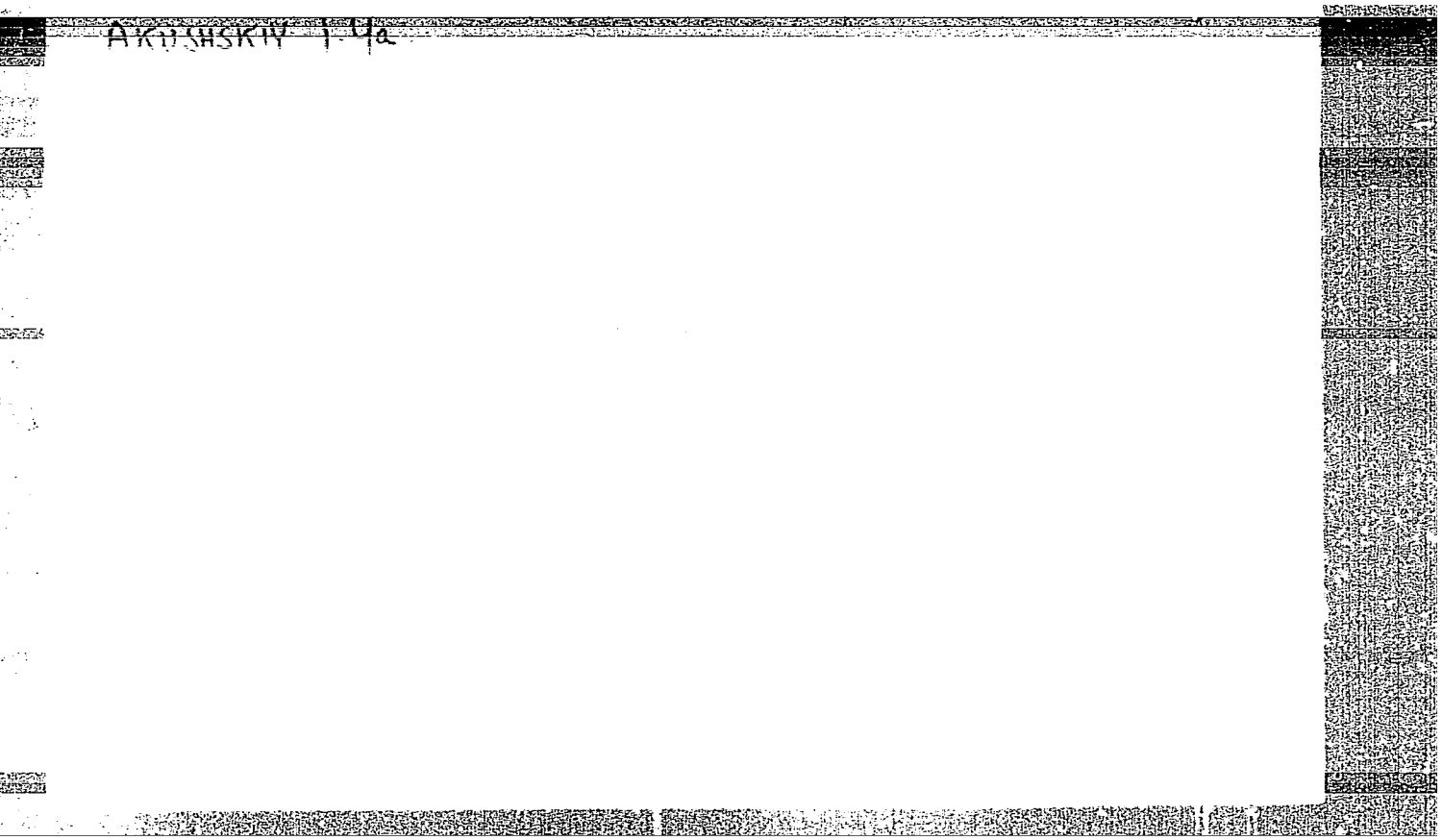


USSR/Mathematics - Calculators Jul/Aug 1947

Calculators

"One Problem on the Use of Selectors in Analytical Calculating Machines," I. Ya. Akushskiy, 4 pp

"Uspekhi Matematicheskikh Nauk" Vol II, No 4

Mathematical discussion of the problem arising from the introduction of the use of selectors in the process of working out calculations on calculating machines. He considered the work of the selector in transmitting the impulses from perforated cards to the calculators.

LC 29754

PA 9T105

USSR/Mathematics
Calculators May 1947

"The Process of Diagonal Summation on a Tabulator and Some of Its Applications," I. J. Akushsky, 22 pp

"Izv Ak Nauk Tekh Nauk" No. 5

1. Preliminary concepts and symbols used.
2. Explanation of diagonal summation and formulas.
3. Numerical integration of ordinary differentional equations by Newton's method of finite differences.
4. The problem of sub-interpolation.
5. The application of the method in calculating determinants.

9T105

AKUSHSKIY I. YA. PA 17T102

USSR/Vibration - Measurements 1947
Mathematics, Applied

"The Numerical Solution for the Equation of Circulation of a Vibrating Vane," I. Ya. Akushskiy, V. A. Ditkin, 32 pp

"Trud Mat Inst V. A. Steklov" Vol XX

Determines certain figures characterizing the effectiveness of making the described automatization in computing R_1" and R_2". For this purpose, they calculate the spaces of tensors which have functioned in various processes and distribute them in time according to the technical standards of machine operation.

The authors are concerned with the numerical solution of the following equation for vane circulation (aerodynamics):

$$\Gamma(y) = -\frac{4c}{\pi}\,e^{-i\omega}\,\frac{1}{H_0^{(2)}(\omega) - iH_1^{(2)}(\omega)}\left[\int_{-c}^{+c}\sqrt{\frac{c+\xi}{c-\xi}}\,v(\xi)\,d\xi + \frac{c}{4}\int_{-c}^{+c}K(y-\eta)\,d\eta\right]$$

[TN: ✓ German (Gothic type) ✓] 17T102

AKUSHSKIY I. YA. PA 17T101

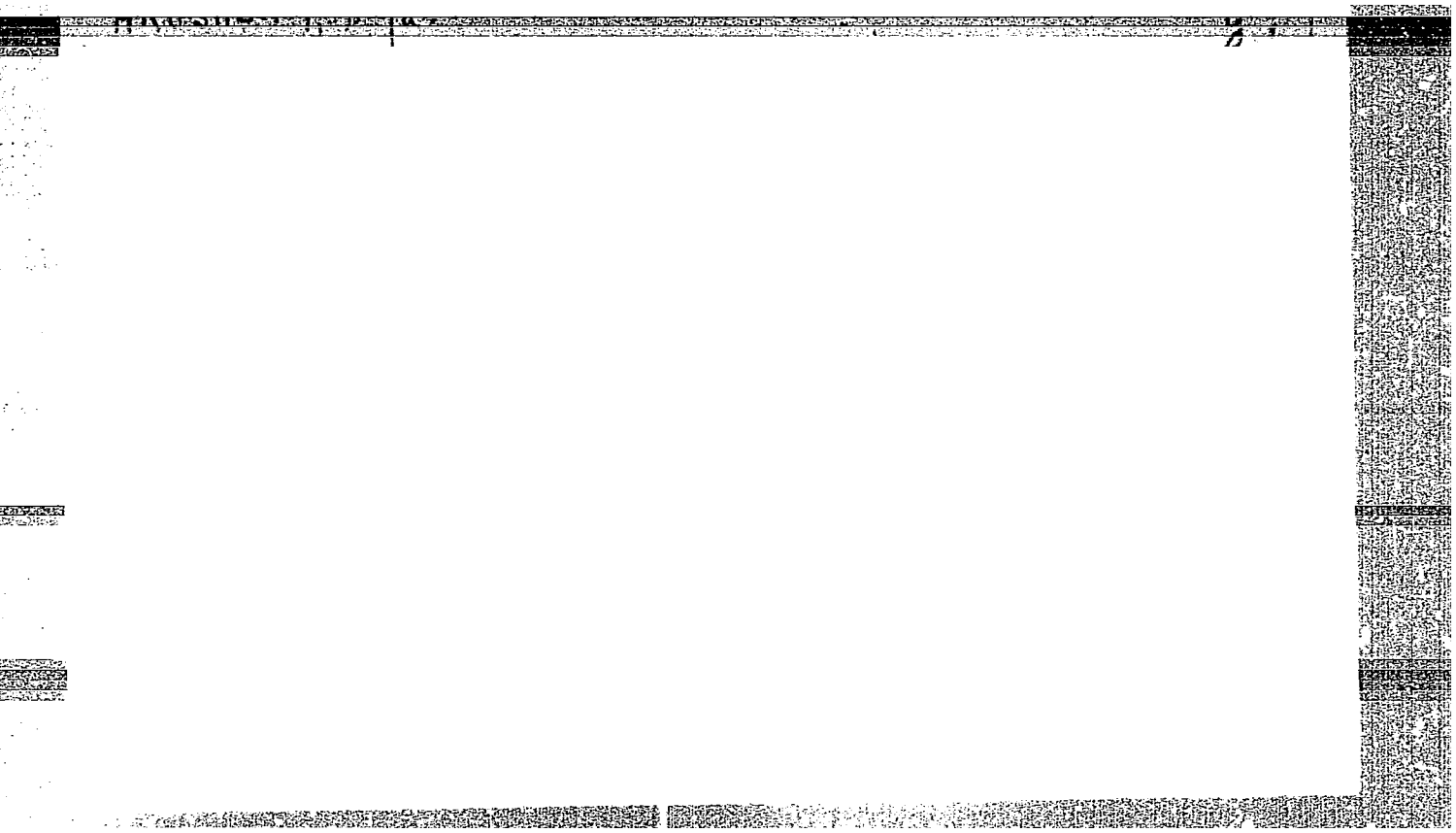
USSR/Calculators 1947
Equations

"Certain Questions Connected with the Use of Calculating - Analytical Machines," I. Ya. Akushskiy, 10 pp

"Trud Mat Inst V. A. Steklov" Vol XX

Suggested application of calculating machines to the solution of equations.

17T101



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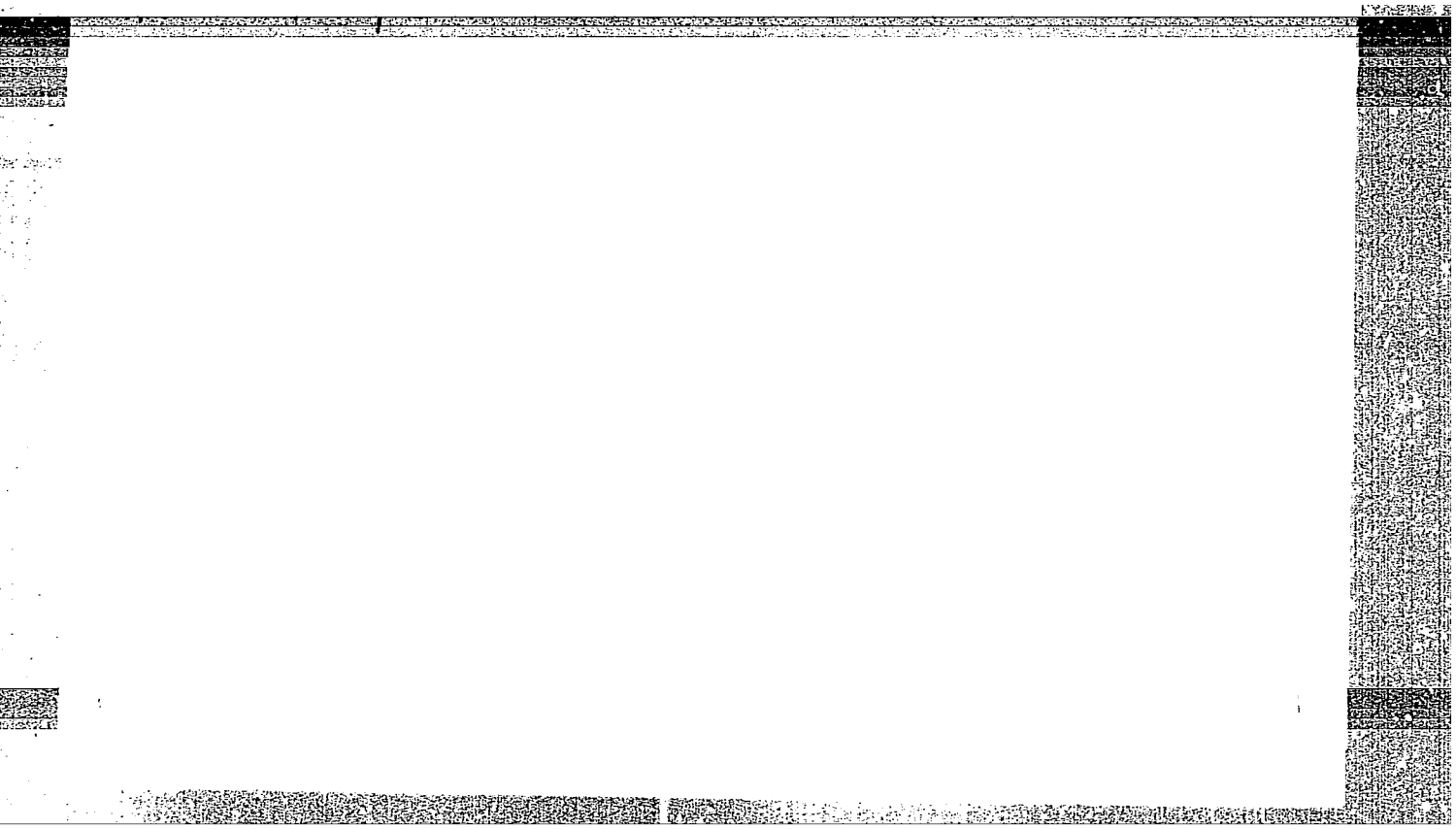

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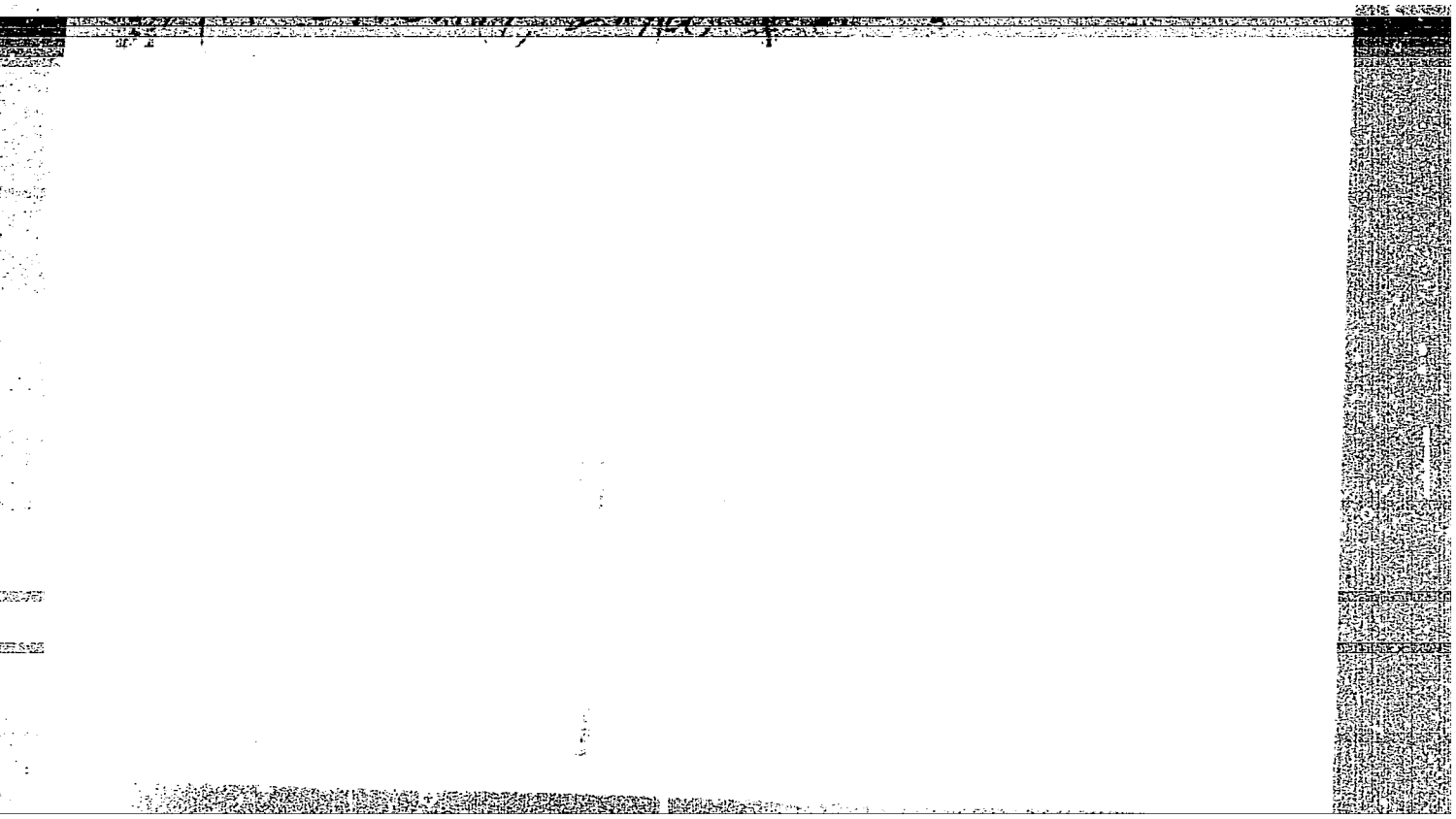

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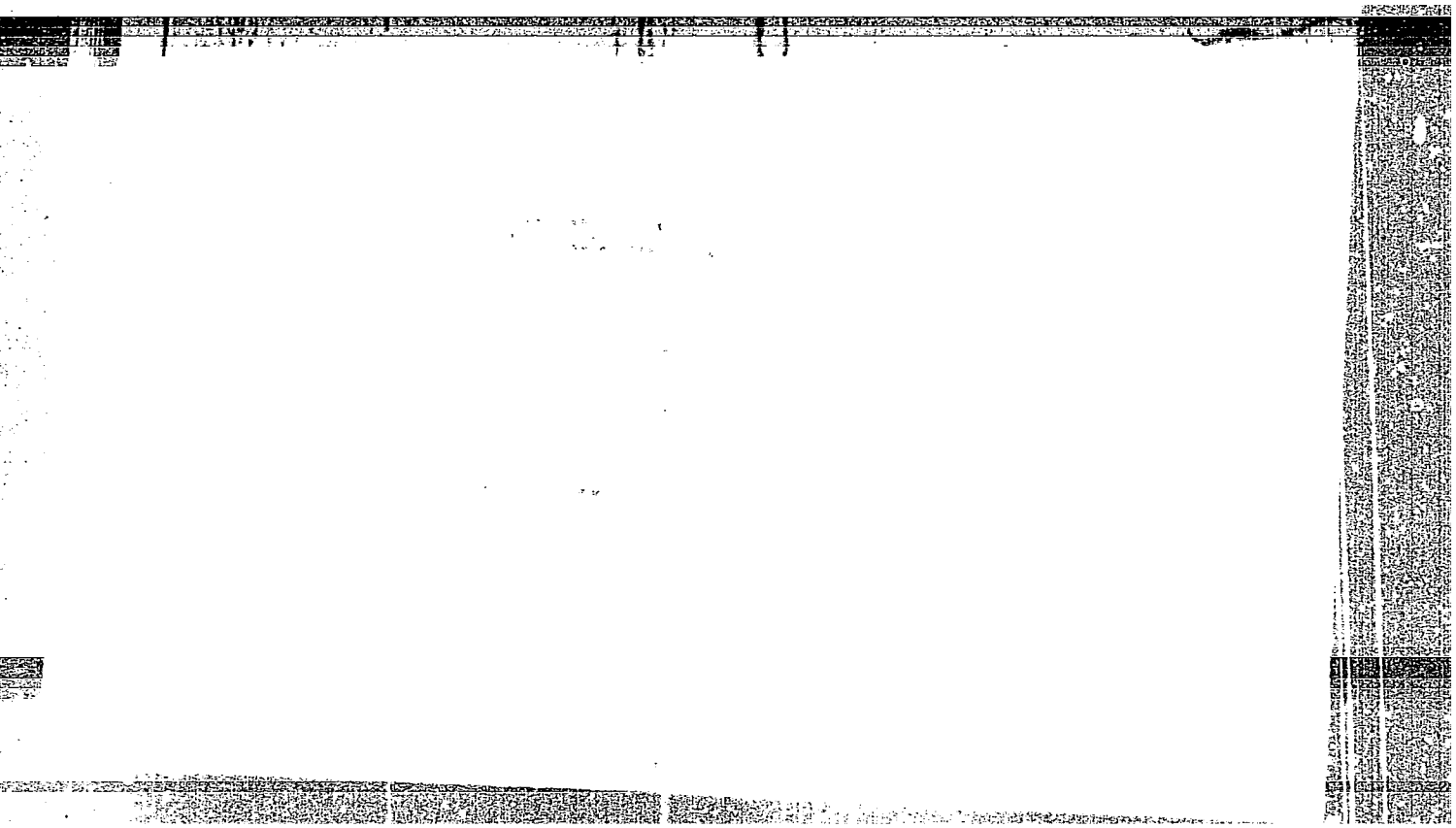

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... of calculating-analytical ... connected with the Inst. Math. Steklov 20, 20 ... machines ... (1947) ... machines mentioned ... (Russian)

AKUSHSKIY, I. Ye.

USSR/Mathematics - Calculators Mar 1948

"Operational Cycles of Horizontally and Vertically Acting Tabulators," I. Ye. Akushskiy, 4 pp

"Dok Akad Nauk SSSR, Nova Ser" Vol LIX, No 8

Defines horizontally and vertically acting tabulator as one capable of carrying out transmission of data between different sections of its calculating system. Describes mathematical composition of tabulator.

47T49

AKUSHSKIY, I. YA.

USSR/Mathematics - Calculators 21 Mar 1948

"Certain Tabulator Operation Cycles Connected with Representation of Numbers in Twofold System," I. Ya. Akushskiy, 4 pp

"Dok Akad Nauk SSSR, Nova Ser" Vol LIX, No 9

Author determined operational cycles of tabulator of vertical-horizontal action, and examined some cycles important in practice in earlier work. He continues herein to examine cycles, mainly cycles leading to the performance on the tabulator of unique multiplication, which depend on introduction of one of the co-multipliers in dual system. Submitted by Academician N. G. Bruyevich, 23 Dec 1947.

51T36

AKUSHSKIY, I. Ya.

USSR/Mathematics - Calculators Apr 1948

"New Methods of Computing Sums of Products on a Tabulator," I. Ya. Akushkiy, 4 pp

"Dok Akad Nauk SSSR, Nova Ser" Vol LX, No 1

Gives mathematical description of modified method, based on system produced by I. N. Yanzhul in 1946, for calculating sum of products by means of a tabulator. Submitted by Academician N. G. Bruyevich 23 Dec 1947.

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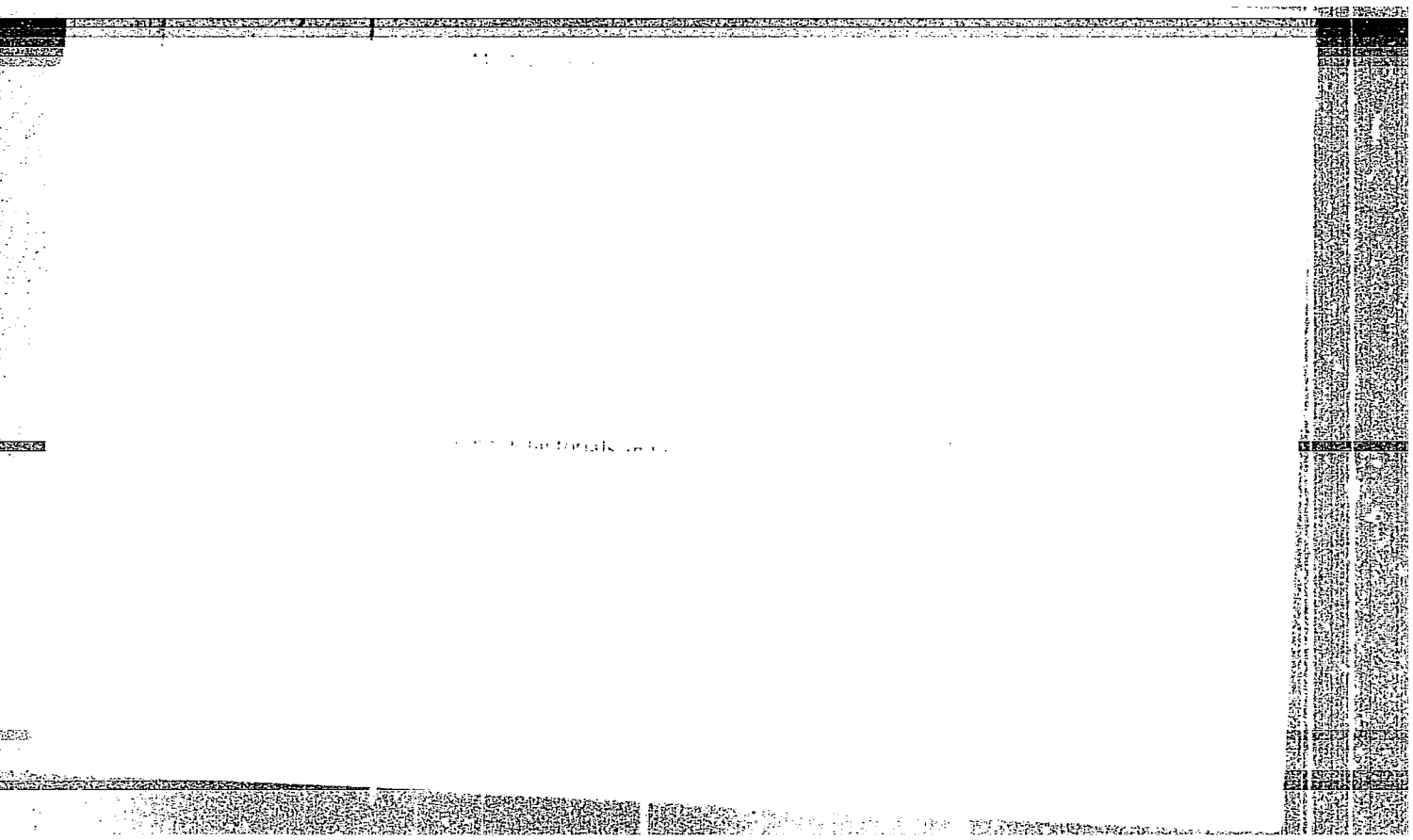
(N.S.) 59, 1375–1378 (1948) (R

[illegible] of a punch card tabulator [illegible] a 405 for the



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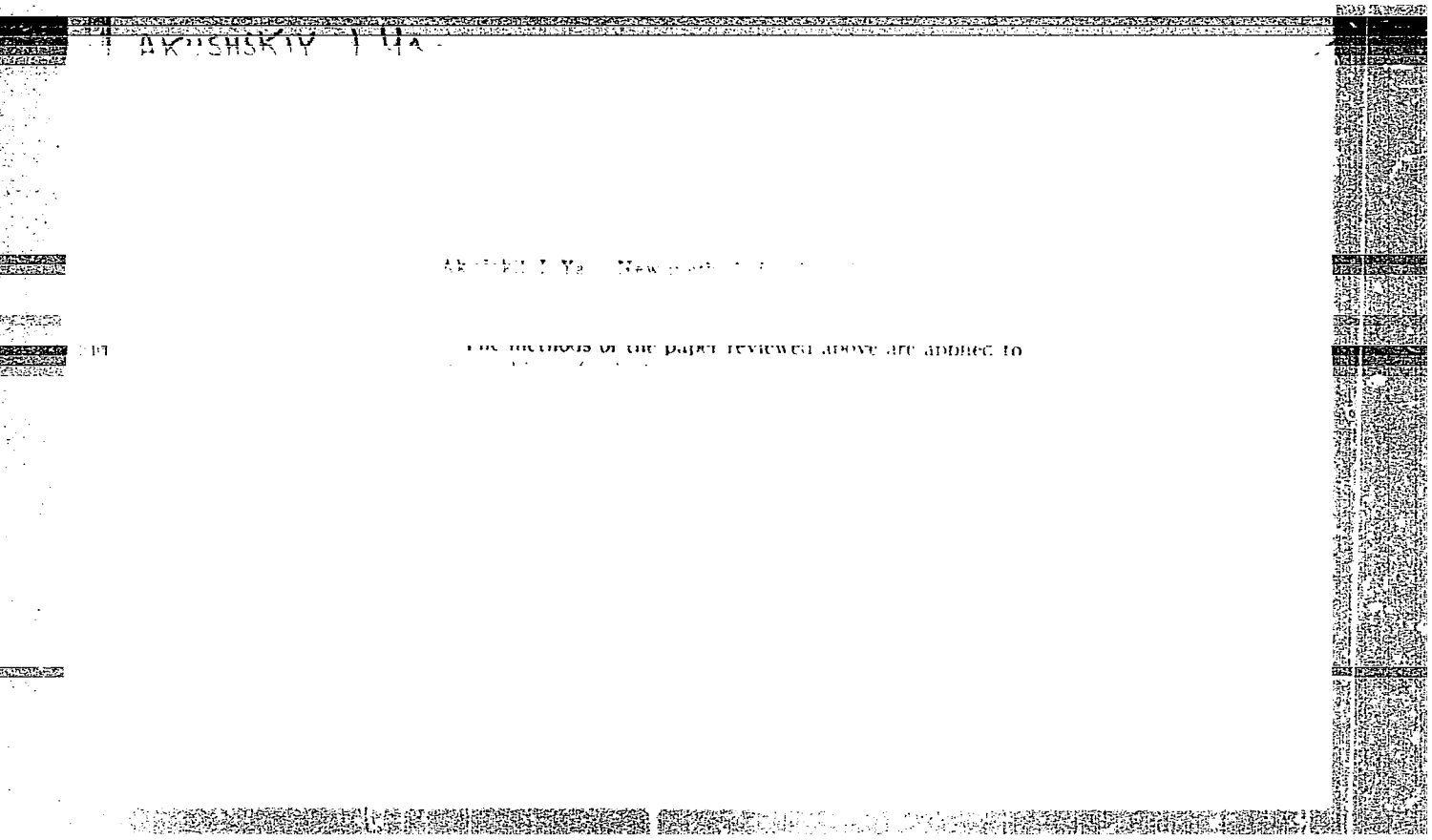
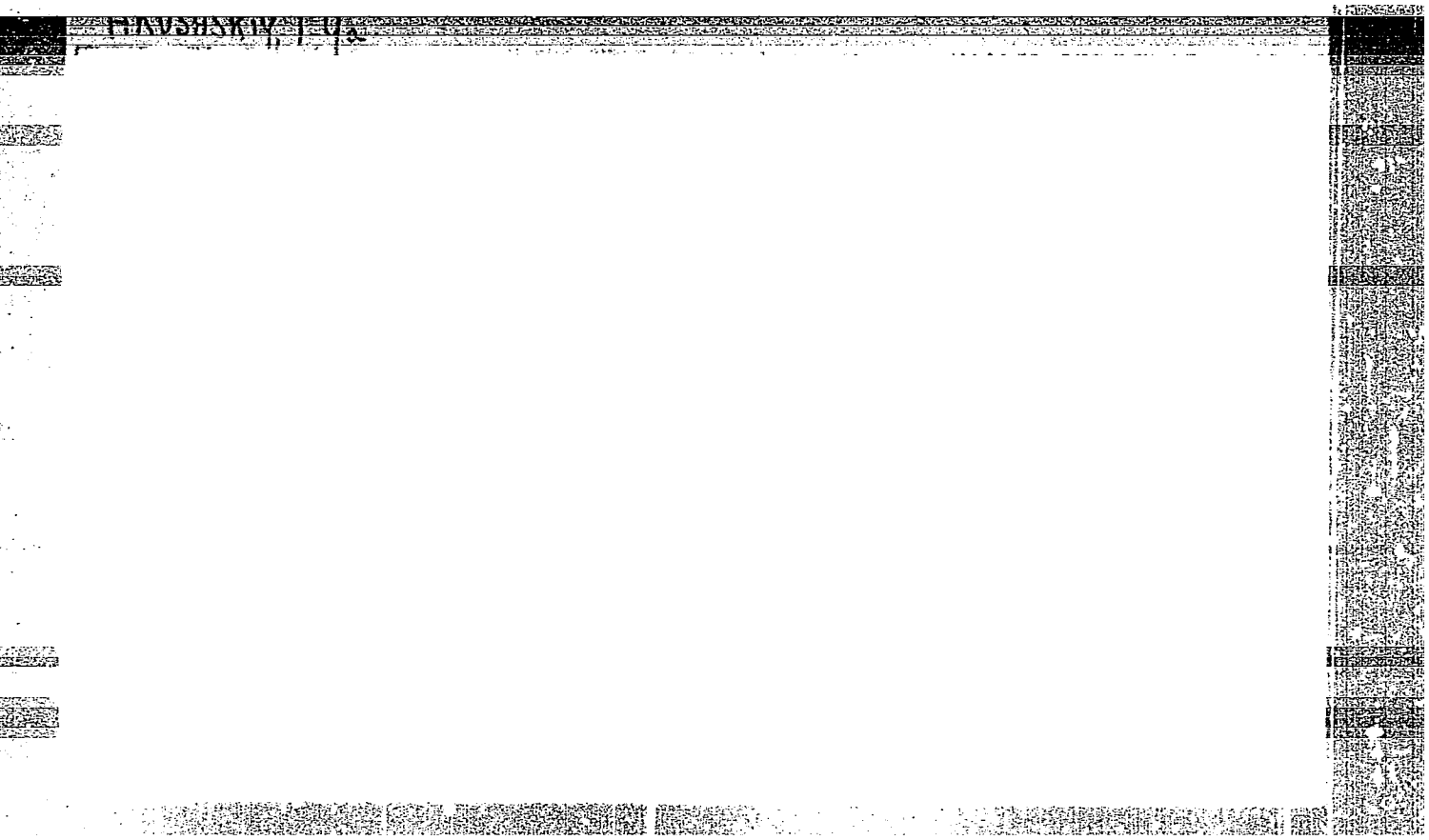
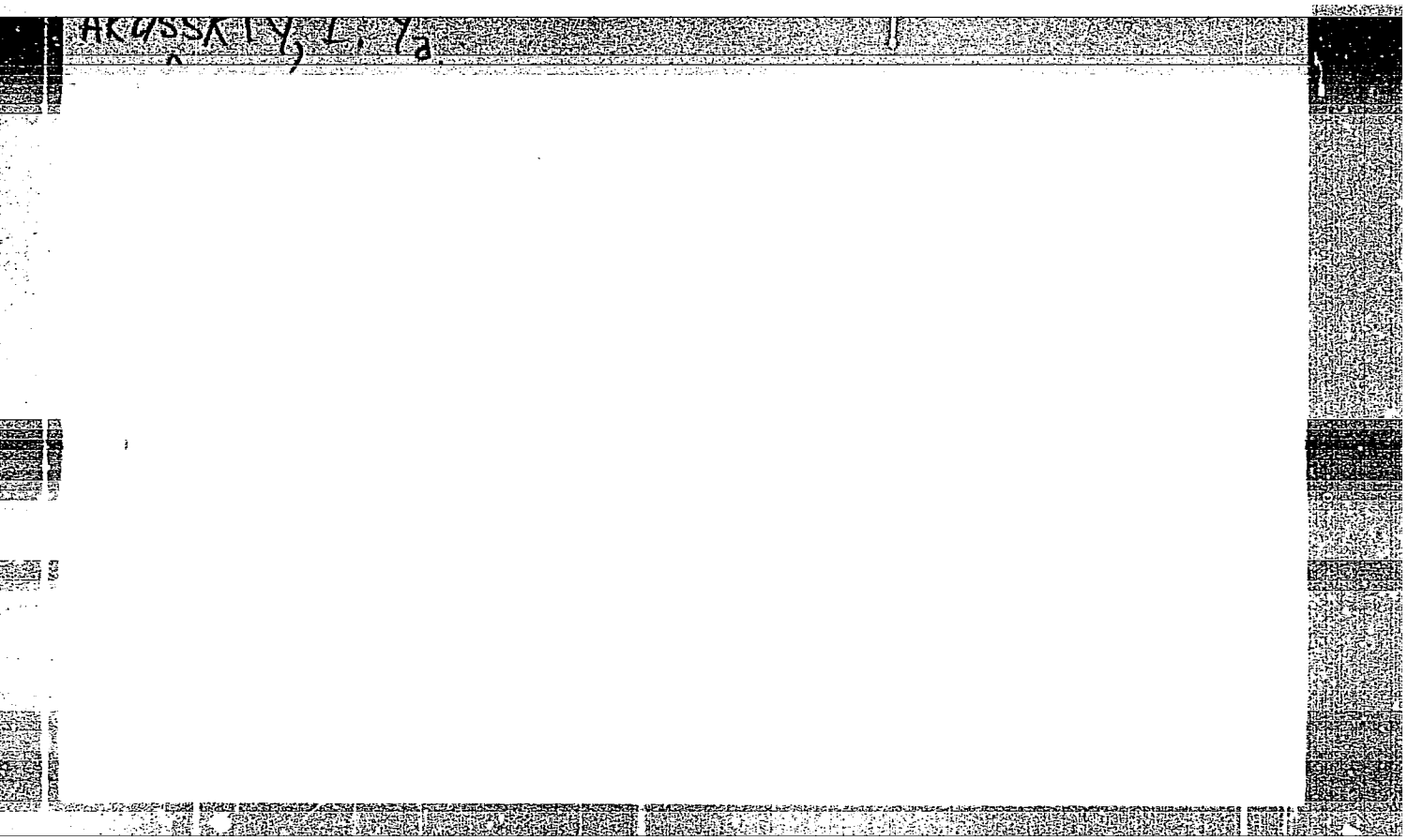




AKUSHSKIY, I.Ya.

SUBJECT USSR/MATHEMATICS/Applied Mathematics CARD 1/1 PG - 472
AUTHOR LJUSTERNIK L.A., AKUSSKIJ I.Ja.
TITLE On a method of the numerical harmonic analysis.
PERIODICAL Izvestija Akad.Nauk Kazach.SSR 4,(8), 80-85 (1956)
reviewed 1/1957

This is a report on the practical application of a method for the computation of Fourier coefficients by use of computers, proposed by Ljusternik (Uspechi mat.Nauk 1, fasc.5-6 (1947)). By replacing every semi-arc of the sinus by a parabola arc the work of computation becomes less.



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