

L 20390-66

ACC NR: AT6002497

3

relations for different reactions of hadron photoproduction. It is shown that for some reactions the SU(3) predictions are in surprisingly good agreement with experiment, there is a discrepancy by a factor of several times for others, and by several orders of magnitude for still others. Possible reasons for the discrepancies are briefly discussed. Extensive tables summarizing the experimental data on the cross sections of hadron strong interactions are presented. Much of the material in the tables is not discussed in the article but is presented for completeness. The authors thank L. B. Okun at whose initiative this review was written for generous advice, B. M. Shekhter for a discussion of meson-baryon reactions, and V. I. Zakharov for a discussion of general problems. Orig. art. has: 15 figures, 71 formulas, and 6 tables.

SUB CODE: 20/ SUBM DATE: 18Mar65/ ORIG REF: 014/ OTH REF: 157

Card 3/3

OK

ACC NR: AP6014821

SOURCE CODE: UR/0367/65/001/004/0730/0732

AUTHOR: Dolgov, A. D.; Okun', L. B.; Pomeranchuk, I. Ya.; Solov'yev, V. V.

ORG: none

TITLE: Electromagnetic mass differences of barions and SU sub 4 symmetry

SOURCE: Yadernaya fizika, v. 1, no. 4, 1965, 730-732

TOPIC TAGS: baryon, Coulomb interaction, particle interaction

ABSTRACT: The results are presented from a calculation of the electromagnetic mass differences of barions. The authors began with a model of "non-relativistic" quarks, assuming that they are located in a state with full orbital momentum equal to zero and that the electromagnetic mass differences of the barions result from differences in electromagnetic quark masses, coulomb interactions between quarks, and interactions between magnetic quark moments. The authors thank V. Singh for sending a preprint of his works; and Ya. B. Zel'dovich and I. Yu. Kobzarev for their valuable critique. Orig. art. has: 1 table. [JPRS]

SUB CODE: 20 / SUBM DATE: 23Jan65 / OTH REF: 013

Card 1/1 45

L 35910-66 EWT(d)/FSS-2

ACC NR: AP6010789

SOURCE CODE: UR/0106/66/000/002/0043/0048

AUTHOR: Solov'yev, V. V.

ORG: none

TITLE: Noise rejection and efficiency of a discrete-information transmission system with combination-type feedback

SOURCE: Elektrosvyaz', no. 2, 1966, 43-48

TOPIC TAGS: signal noise separation, data transmission, communication system

ABSTRACT: A digital-information transmission system is theoretically investigated in which: (a) the decision on the correctness of reception is passed sometimes at the sending and sometimes at the receiving end (combination feedback), (b) the errors are corrected by simple repetition of messages, and (c) both forward and backward channels have noise that affects the messages

Card 1/2

UDC: 621.391.176

...fidelity of the feedback channel; (2) The combination-feedback communication system is suitable for those cases when the probabilities of detectable and non-detectable errors are commensurate. Orig. art. has: 19 formulas and 1 table.

APPROVED FOR RELEASE: 08/25/2000, CIA-RDP86-00513R001652320015-6"
SUB CODE: 09 / SUBM DATE: 19Mar65 / ORIG REF: 001 / OTH REF: 002

Card 2/2 *ell*

10670-87 ENR04/ESS-1

ACC NR: AP6019013

SOURCE CODE: UR/0106/66/000/006/0053/0058

AUTHOR: Solov'yev, V. V.

37
B

ORG: none

TITLE: Optimal length of the code group in a radio line with information feedback and without storage

SOURCE: Elektrosvyaz', no. 6, 1966, 53-58

TOPIC TAGS: radio communication system, radio transmission, signal noise separation

ABSTRACT: In an m-digit code transmission system, a group of k digits is repeated if distortion of one digit is detected. The author tries to find the optimal length of a k-digit group which would correspond to maximum fidelity of an m-digit code combination transmitted over a feedback-type system. No noise in the feed-

Card 1/2

UDC: 621.394.181.2

L 06075-67

ACC NR: AP6019013

back channel and independent noise interference with each digit in the direct channel are assumed. A received elementary message is transmitted back to the sending end where it is compared with the original, and a signal of confirmation is sent to the receiving end. A probabilistic analysis yields this inequality which shows the range of probability of correct transmission of one digit:

$$\frac{p - 0.5}{p} < p_d < \left(\frac{p - 0.5}{p}\right)^{\frac{2}{m}}, \text{ where } p_d \text{ and } p \text{ are the probability of correct trans-}$$

mission of one digit and of confirmation, respectively. Orig. art. has: 3 figures and 32 formulas.

SUB CODE: 17, 09 / SUBM DATE: 21Jan65 / ORIG REF: 001

Card 2/2

sgk

L 23399-66 EWT(1)/T JK

ACC NR: AP6014007

SOURCE CODE: UR/0219/65/060/007/0078/0083

AUTHOR: Krasikina, N. A.; Fontalin, L. N.; Solov'yev, V. V. --Solovyov, V. V.;
Sakova, O. V.17
16
BORG: Department of Immunology /headed by Professor M. P. Pokrovskaya/, Moscow
Scientific Research Institute of Epidemiology and Microbiology (Otdel immunologii
Moskovskogo nauchno-issledovatel'skogo instituta epidemiologii i mikrobiologii);
Department of General Immunology and Oncology /headed by Professor L. A. Zil'ber/,
Institute of Epidemiology and Microbiology im. N. P. Gamalen, Moscow (Otdel obshchey
immunologii i onkologii Institut epidemiologii i mikrobiologii)TITLE: Division of a suspension of spleen cells by centrifugation in a density gra-
dient and characteristics of the immunological functions of individual cell fractions

SOURCE: Byulleten' eksperimental'noy biologii i meditsiny, v. 60, no. 7, 1965, 78-83

TOPIC TAGS: immunology, mouse, circulatory system

ABSTRACT: A suspension of spleen cells obtained from immunized mice was
reduced to fractions to determine the relationship between the composition
of the fractions and their immunological functions. The suspension of the
spleen cells was reduced to fractions by centrifugation in periodic density
gradients of a saccharose solution. Two types of gradients, each consisting
of three layers, were used in the experiments: 1) 40, 30, and 20 percent
solutions of saccharose, and 2) 25, 20, and 15 percent solutions of saccharose.

2.

Card 1/2

UDC: 612.418.017.1-08

L 23399-66

ACC NR: AP6014007

The gradients were prepared in a glass centrifuge with an internal diameter of 45 millimeters. Each layer was about 15 to 20 milliliters in volume. Special tests have proved that the passage of the spleen cells through such gradients does not affect their immunological activity. Seven milliliters of the spleen suspension containing $2 \cdot 10^8$ nuclear cells in one milliliter were superimposed on the surface of the first gradient and carefully centrifuged for a period of 7 to 8 minutes. Seven layers of cells were obtained as a result. Each of the layers was decanted, placed in a special test tube, and separated from the saccharose by centrifugation. The immunological activity of the fractions thus obtained was determined by the transplantation of these fractions into intact animals. It was found that the fractions of the upper layers which consisted mostly of lymphocytes failed to form antibodies in the organisms of the recipients. On the other hand, the fractions in the lower layers formed considerably more antibodies than did the cells in the initial suspension. This may be explained by the fact that fractions in the lower layers contained in addition to the lymphocytes a considerable number of plasma cells. The method described in the article, the authors write in conclusion, may become a valuable auxiliary method for immunological investigations. This paper was presented by L. A. Zil'ber, Active Member AMN SSSR. Orig. art. has: 2 figures and 3 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 11Jul64 / ORIG REF: 009 / OTH REF: 007

Card 2/2 *ls*

L23349-66 ENT(1)/T JK

ACC NR: AP6014002

SOURCE CODE: UR/0219/65/060/008/0085/0089

AUTHOR: Pevnitskiy, L. A.--Pevnitsky, L. A.; Solov'yev, V. V.--Solovyov, V. V.;
Fontalin, L. N. 25
23

ORG: Department of Immunology and Oncology/Headed by Prof. L. A. Zil'ber, Active member AMN SSSR/, Institute of Epidemiology and Microbiology Im. N. F. Gamaleya/ Directed by Prof. O. V. Baroyan, Corresponding member AMN SSSR/, AMN SSSR, Moscow (Otdel obshchey immunologii i onkologii Instituta epidemiologii i mikrobiologii AMN SSSR) B

TITLE: Investigation of the effect of analogs of nucleic acid bases on immunogenesis by the Erne method

SOURCE: Byulleten' eksperimental'noy biologii i meditsiny, v. 60, no. 8, 1965, 85-89

TOPIC TAGS: nucleic acid, mouse, immunization, antibody

ABSTRACT: The "Erne" method was used to investigate the modifications caused by 6-mercaptopurine and 6-thioguanine in a number of antibody-producing cells. Mice immunized by a single injection of a 30% suspension of ram erythrocytes in physiological solution and administered to the animals in doses of 0.2 milliliters were used in the experiments. The number of antibody-producing cells in the spleen was determined on the 2d, 4th, and 6th days after immunization. The analogs of nucleic acid bases -- 6-mercaptopurine and 6-thioguanine were administered to the animals intraperitoneally in doses of 75 milligrams per kilogram body weight for the first preparation, and three 2

Card 1/2

UDC: 612.017.1-063: 615.739.6

L 23349-66

ACC NR: AP6014002

milligrams per kilogram body weight for the second. The control animals were divided into two groups. The first group did not receive the analogs; the second received four injections of 6-thioguanine 30 days prior to the immunization. The data obtained indicate that shortly after immunization the number of antibody producing cells in the spleen is small; it sharply increases by the 4th day, but somewhat decreases by the 6th day. The administration of 6-mercaptopurine and 6-thioguanine considerably decreases the production of antibodies, with 6-thioguanine being particularly active in this respect. This paper was presented by L. A. Zil'ber, Active member, AMN SSSR. Orig. art. has: 2 figures and 1 table. [JPRS]

SUB CODE: 06 / SUBM DATE: 23Nov64 / ORIG REF: 001 / OTH REF: 014

Card 2/2 LL

BOBKOVA, V.I.; RZAYEV, G.M.; SOLOV'YEV, V.V.

Determination of blood flow rate with radioactive sodium. Sov.med.
20 no.8:66-70 Ag '56. (MLHA 9:10)

1. Iz gospiatal'noy terapevticheskoy kliniki (dir. - prof. P.Ye.
Lukomskiy) II Moskovskogo meditsinskogo instituta imeni I.V.Stalina
(SCDIUM, radioactive
in determ. of blood flow rate)
(BLOOD CIRCULATION, determ.
flow rate determ. with radioactive sodium)

Solov'yev, V.Y.

SOLOV'YEV, V.Y. (Moskva)

Phonocardiography in rheumatic mitral lesions. Klin.med. 35 no.7:
33-47 J1 '57. (MIRA 10:11)

1. Iz gospiatal'noy terapevticheskoy kliniki (dir. - prof. P.Ye. Lukomskiy) lechebnogo fakul'teta II Moskovskogo meditsinskogo instituta imeni N.I.Pirogova.

(CARDIAC MURMURS AND SOUNDS,

phonocardiography in rheum. metral dis. (Rus))

(RHEUMATIC HEART DISEASE, manifestations,

phonocardiography in mitral dis. (Rus))

SOLOV'YEV, V.V., SAYKINA, Ye.F.

Treatment of hypertension with pentamine and nanofin. Sov.med.
22 no.5:56-74 My '58 (MIRA 11:?)

1. Iz gospital'noy terapevticheskoy kliniki (dir. prof. P.Ye. Laikomskiy) II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.
(HYPERTENSION, ther.
pendiomide & 2,6-dimethylpiperidine (Rus))
(PENDIOMIDE, ther. use
hypertension, with 2,6-dimethylpiperidine (Rus))
(PIPERIDINES, ther. use
2,6-dimethylpiperidine in hypertension, with pendiomide
(Rus))
(AUTONOMIC DRUGS, ther. use.
same (Rus))

LUKOMSKIY, P.Ye., prof.; SOLOV'YEV, V.V.

Indications for mitral commissurotomy and its late results. Sov.med.
23 no.8:3-15 Ag '59. (MIRA 12:12)

1. Iz gospiatal'noy terapevticheskoy kliniki (dir. - prof. P.Ye.
Lukomskiy) II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova.
(COMMISSUROTOMY)

SOLOV'YEV, V. V. Cand Med Sci -- (diss) "Indications for mitral
commissurotomy, its immediate and remote results," Moscow, 1960, 19 pp,
300 cop. (Second Moscow State Medical Institute in Pirogov) (KL, 44-60, 133)

LUKOMSKIY, P.Ye., prof.; SOLOV'YEV, V.V., dotsent

Diagnostic importance of some modern graphic methods for the study of the cardiovascular system. Vop.kard. 2-go MGMI no.2: 5-18 '62. (MIRA 16:1)

1. Corresponding Member of the Academy of Medical Sciences of the Ukrainian S.S.R. (for Solov'yev). (DIAGNOSIS)
(CARDIOVASCULAR RESEARCH)

ORLOV, L.L.; AKIMOV, Yu.I.; SOLOV'YEV, V.V.; FEDOROV, V.D.

Ballistocardiogram of patients suffering from rheumatic heart
disease. Vop.kard. 2-go MGMI no.2:155-176 '62. (MIRA 16:1)
(BALLISTOCARDIOGRAPHY) (RHEUMATIC HEART DISEASE)

SOLOV'YEV, V.V.; BULYCHEV, V.V.

Phonocardiogram of healthy persons and its characteristics in
athletes. Vop.kard. 2-go MGMI no.2:211-221 '62. (MIRA 16:1)
(HEART--SOUNDS) (ATHLETES)

SOLOV'YEV, V.V.

Phonocardiogram of mitral stenosis patients before and after a
commissurotomy. Vop.kard. 2-go MGMI no.2:223-240 '62.

(MIRA 16:1)

(HEART—SOUNDS) (MITRAL VALVE—SURGERY)(ELECTROCARDIOGRAPHY)

SOLOV'YEV, V.V.

Electrocardiographic changes in patients with mitral stenosis
before and after a commissurotomy. Vop.kard. 2-go MGMI no.2:
265-288 '62. (MIRA 16:1)
(ELECTROCARDIOGRAPHY) (MITRAL VALVE—SURGERY)

BULICHEV, V.V.; SOLOV'YEV, V.V.

Method of simultaneous graphic registration of sound and
oscillographic indices of arterial pressure. Vop.kard. 2-go
MGMI no.2:345-356 '62, (MIRA 16:1)
(OSCILLOGRAPHY) (BLOOD PRESSURE)

FEDOROV, V.D.; NESTERENKO, Yu.A.; BULICHEV, V.V.; SOLOV'YEV, V.V.

Measurement of pressure in the cavities of the heart and large vessels in acquired heart defects. Vop.kard. 2-go MGMI no.2: 357-374 '62. (MIRA 16:1)

1. Iz kafedry gospital'noy khirurgii (zaveduyushchiy prof. V.S. Mayat) i kafedry gospital'noy terapii (zaveduyushchiy chlen-korrespondent AMN SSSR prof. P.Ye.Lukomskiy).
(BLOOD PRESSURE) (HEART--DISEASES)

CHAZOV, Ye.I.; ANDREYENKO, G.V.; SPENTOROVA, Z.G.; RAYEVSKAYA, V.V.;
MOISEYEV, S.G.; BABSKIY, Ye.B.; BREDIKIS, Yu.I.; KUSHKIY, R.O.;
KALITEYEVSKAYA, V.F.; BEREZOV, Ye.; POKROVSKIY, A.V.; MEL'NIK,
I.Z.; AGRAIENKO, V.A.; VINOGRADOVA, I.L.; SKACHILOVA, N.N.;
VIKHERT, A.M.; ZAMYSLOVA, K.N., prof.; SOKOLOVSKIY, V.P., prof.;
BEYUL, Ye.A., kand.med.nauk; SOLOV'YEV, V.V.

Minutes of the meetings of the Moscow Society of Theraputists.
Terap.arkh. 35 no.1:112-118 Ja'63. (MIA 16:9)
(THERAPEUTICS--ABSTRACTS)

L 16562-65 EWG(j)/EWG(r)/ENT(1)/FS(v)-3/EWG(v)/EWG(a)/EWG(c) Pe-5/2a-4
AMD/APGC(c) DD

ACCESSION NR: AR4045757 S/0299/64/000/013/M014/M014

SOURCE: Ref. zh. Biologiya. Svodny*y tom, Abs. 13M89

AUTHOR: Fontalin, L. G.; Kraskina, N. A.; Solov'yev, V. V. 5

TITLE: "Immunological memory" transmission by transplanting blood leukocytes of immunized animals

CITED SOURCE: Sb. 3 Vses. konferentsiya po peresadke tkaney i organov, 1963. Yerevan, 1963, 97-98

TOPIC TAGS: leukocyte, immunity, transplantation, mice, rat, lymphocyte, immunization, blood transfusion

TRANSLATION: Nonimmune recipients (isolinear mice and rats) received leukocyte transplants of heparinized centrifuged blood from donors immunized with tetanus anatoxin or with O-antigen or S. typhi. The experiments were staged on inbred rats and mice. Administration of 10 to 200 million blood leukocytes from immunized animals did not cause formation of antibodies in the donors (immunity appeared with transplantation of spleen and lymph node cells). However, the

Card 1/2

L 16562-65

ACCESSION NR: AR4045757

recipients acquired the capacity to respond to antigen administration by forming antibodies according to type of revaccination. This effect was absent with blood plasma erythrocyte transfusion. Leukocyte transplantation induced a state of higher antigen reactivity in the lymph nodes of the recipient. It is concluded that blood lymphocytes are the transmitters of immunological information ("immunological memory") from the lymphatic organs of one animal to those of another. The lymphocytes themselves cannot intensively form antibodies, but when they get into the lymphatic organs they apparently give rise to antibody forming cells.

SUB CODE: LS

ENCL: 00

Card 2/2

И.И. ЛОКИ, И.В. СЕРГОВИЧ, И.В.

The diagnosis of mitral insufficiency, both experimental and clinical, by means of diastolic curves. Ser Tses 6 no. 1:73-81 (1964).

I. Department of Internal Medicine, 2nd Medical Institute, Moscow.

KRYLOVA, I.A.; ZADIGNENKO, V.S.; MARTYNOV, A.I.; UZHAKOV, V.V.

Polyclinical prevention and anticoagulant treatment of disorders of the coronary blood circulation. Sov.med. 48 no.11:86-90 B '65. (MIRA 18:12)

1. Kafedra gosptal'noy terapii (zav. - dozentitel'nyy chlen AMN SSSR prof. P.Ye.Lukomskiy) II Moskovskogo meditsinskogo Instituta imeni I.I.Pirogova i poliklinika No.68 (glavnyy vrach Ye.F.Gur'yeva).

KRASKINA, H.A.; FONTALIN, L.N.; SOLOV'YEV, V.V.; SAKOVA, O.V.

Division of a spleen cell suspension by centrifugation in the density gradient and characteristics of the immunological functions of the individual cell fractions. Biul. eksp. biol. i med. 60 no.7:78-83 J1 '65. (MIPA 18:8)

1. Otdel immunologii (zav.- prof. M.P. Pokrovskaya) Moskovskogo nauchno-issledovatel'skogo instituta epidemiologii i mikrobiologii i otdel obshchey immunologii i onkologii (zav.- prof. L.A. Zil'ber) Instituta epidemiologii i mikrobiologii im. N.F. Gamalei, Moskva.

GAL'TSIN-BENYUK, S.D.; SLOV'YEV, V.V.

Role of disjunctive dislocations in the formation of the
relief of Sakhalin. Dokl. po geozorf. i paleogeog. Dal'n.
Vost. no.1:24-33 '64. (MIRA 19:1)

SOLOV'YEV, V.V.

Problem of the Quaternary glaciation of the Sikhote-Alin'
Range and Sakhalin. Dokl. po geomorf. i paleogeog. Dal'n.
Vost. no.1:34-55 '64. (MIRA 19:1)

SOLCV'YEV, V. V.

"Definitions of Mass Moments and Radii of Outer Panel Intersections Inertia and Determining of Centers of Gravity in Wing Sections Along Span. Moscow, 1939.
24 pp.

Zhukovskiy Central Instl for Aerodynamics

SOLOV'YEV, V.V.

Problems of vibration combustion in high-pressure combustion
chambers [with summary in English]. Inzh.-fiz.sbur. no.1:25-
31 Ja '59. (MIRA 12:1)

1. Vsesoyuznyy teplotekhnicheskiy institut im. F.M.Dzershinskogo,
Moskva.

(Combustion)

SOLOV'YEV, V.V., kandidat sel'skokhozyaystvennykh nauk; KOSTIN, I.S.,
kandidat tekhnicheskikh nauk.

Effectiveness of saturation irrigation and organomineral fertili-
zers for winter wheat in the trans-Volga region. Dokl. Akad.
sel'khoz. 21 no.5:40-42 '47. (MLRA 9:8)

1. Engel'sskaya opytno-meliorativnaya stantsiya. Predstavlena
akademikom A.N. Kostyakovym.
(Volga Valley--Wheat) (Irrigation) (Fertilizers and manures)

"Effektivnost' vlagozaryadchnogo orosheniya i organo-mineral'nykh udobreniy pod ozimuyu pshenitsu v usloviyakh zavolzh'ya", Dokl. vses. ord. Lenina akad. sel'skokh. nauk im. V. I. Lenin, no 5, pp 40-42, 1956.

SOLOV'YEV, V.V.

Holocene ingressión in the southern Maritime territory. Mat.
VSEGEI. Chet. geol. i geomorf. no.2:193-197 '59. (MIRA 14:5)
(Maritime Territory—Submarine geology)

SOLOV'YEV, V.V.

Traces of the ancient glaciation and periglacial conditions
in the southern Maritime Territory. Trudy VSEGEI 64:141-148
'61. (MIRA 15:6)

(Maritime Territory--Glacial epoch)

Monthly List of Russian Accessions, Library of Congress, November 1990. UNCLASSIFIED.

SOLOV'YEV, V.V., inzh.

Vibrations from the air(ene) flow in pipe bundles of a
steam generating unit, *Teplotekhnika* 7 no.7(12-3) 1960,
(MIRA 1)17)

1. Vsesoyuznyy teplotekhnicheskly institut.
(Boilers)

SOLOV'YEV, V.V. (Novgorod)

Working with the motion picture "Metric system" in the sixth grade.
Fiz.v shkole 21 no.3:86 My-Je '61. (MIRA 14:8)
(Motion pictures in education)
(Decimal system—Study and teaching)

SHCHERBAKOV, A.A., podpolkovnik, letchik-ispytatel' pervogo klassa;
LUNYAKOV, V.S., inzh.; SOLOV'YEV, V.V., inzh.; SHAPOVAL, Yu.G.,
inzh.

Influence of a Vibration damper for pitching on the longitudinal
stability and controllability of planes. Vest.Vozd.Fl. no.7:59-63
Jl '61. (MIRA 14:8)

(Stability of airplanes, Longitudinal)
(Airplanes, Military--Handling characteristics)

88338

S/024/60/000/006/004/015
E140/E463

13.2500

AUTHORS: Besekerskiy, V.A. and Solov'yev, V.V. (Leningrad)
TITLE: On the Dynamics of a Gyrostabilizer Corrected by a
Digital Computer 9

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh
nauk, Energetika i avtomatika, 1960, No.6, pp.113-122

TEXT: The basic assumption in the work is that the digital computer operates with a sufficient number of places that quantification in amplitude may be neglected and only quantification in time need be considered, so that the mathematical apparatus of sampled-data (pulse) systems can be applied to the present case. Two variants are solved, one with an inertialess amplifier (e.g. electronic) and one with an inertial amplifier (e.g. magnetic), using the z-transform. In general, the period of nutation is incommensurable with the period of the digital computer. The instant of output of the corrective signal from the computer therefore can coincide with any point on the nutational oscillation curve. The most difficult condition for the stability of the system is that where the computer output occurs at the extreme of the nutational oscillation curve
Card 1/2

88338

S/024/60/000/006/004/015
E140/E463

X

On the Dynamics of a Gyrostabilizer Corrected by a Digital Computer

(identified by the author with the envelope, which is of course only approximately true). Two weighting functions are found: one for the positive peak, called the majorant, and the other for the negative peak, called the minorant. The two variants are investigated for two cases, one in which the digital computer is assumed to operate instantaneously and the other in which a computer delay is taken into account. The problem was modelled in an analogue computer and differences of 15 to 20% were found between the measured and calculated curves. There are 7 figures and 5 Soviet references.

SUBMITTED: September 1, 1960

Card 2/2

SOLOV'YEV, V.V.; ZDANSKAYA, G.G.

Holocene stratigraphy of the southern Maritime Territory and Sakhalin; based on data of spore-pollen analysis. Inform.sbor. (MIRA 15:11)
VSEGEI no.52:49-59 '62.
(Maritime Territory--Geology, Stratigraphic)
(Sakhalin--Geology, Stratigraphic)
(Palynology)

MISHAKOV, G.S.; DEKHTER, V.V.

Potentials of the morphometric method. Trudy VNIGRI no.224:311-313
'63. (MIRA 17:2)

ANDRIANOV, Veniamin Ivanovich, kand. ist. nauk; SOLOV'YEV, Vasil'yevich; MURASHEV, G., red.

[Gavrilov-Yam weavers] Gavriloviamskie tkachi. IAroslavskoe knizhnoe izd-vo, 1963. 117 p. (MIRA 17:5)

1. Veteran l'nokombinata "Zarya sotsializma" Yaroslavskoy oblasti (for Solov'yev).

SOLOV'YEV, V.V.

... .. '65.
(MIRA 12:8)
... ..
... ..

L 5020-66 EWT(d)
ACCESSION NR: AP5020883

UR/0106/65/000/008/0001/0006
621.391.171

38
03

AUTHOR: Solov'yev, V. V.

TITLE: Comparison of the noise immunities of various feedback-type nonstorage systems of transmission of discrete information

SOURCE: Elektrosvyaz', ¹⁹⁻no. 8, 1965, 1-6

TOPIC TAGS: information transmission }

ABSTRACT: Information-transmission systems having three types of feedback — decision-type, information-type, and combination-type — are compared under the condition that errors are corrected by simple repetitions of messages. Any type of noise capable of distorting the message, with a certain probability, is taken into consideration in this general theoretical analysis. It is found that the fidelity of message transmission in all three systems is limited by the probability of non-detection of the error in the received message and by the probability of distorted

Card 1/2

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ACCESSION NR: AP5020883

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feedback. With a sufficiently redundant signal space, the decision-type system has maximum noise immunity. With no signal-space redundancy and noise in both forward and feedback channels, the information-type system becomes advantageous. With noise only in the forward channel, the combination-type system, no matter what the redundancy, has a higher immunity than the information-type system. With noise only in the feedback channel, the information- and combination-type systems guarantee absolute fidelity of message transmission, with the information-type system having a better speed of transmission. Orig. art. has: 3 formulas.

ASSOCIATION: none

SUBMITTED: 23Dec64

ENCL: 00

SUB CODE: DP

NO REF SOV: 003

OTHER: 000

PC
Card 2/2

СОЛОМОНОВ, В.И.; БЕЗУД, Ю.С.

Sampling dust from flue gases. Metallurg 10 no.4:16-17 Ap '65.

(MIRA 18:7)

1. Zaved "Zaporozhstal".

AUTHOR: Solov'yev, V.Ya.

SOV/136-58-10-5/27

TITLE: More Attention to the Automation of Production Processes
in Non-ferrous Metallurgy (Bol'she vnimaniya avtomati-
zatsii proizvodstvennykh protsessov v tsvetnoy metallurgii)

PERIODICAL: Tsvetnyye Metally, 1958, nr 10, 24 - 28 (USSR)

ABSTRACT: The author notes that a large part of the increased Soviet production of non-ferrous and rare metals planned for 1960 will have to come from increased efficiency. He states that practically no work has yet been done on the integrated mechanisation and automation of production processes although such measures are important in raising efficiency. The integrated automation of 22 large beneficiation plants planned for 1956 to 1960 is not being achieved and little use is being made of equipment developed by the Mekhanobr and other institutes and in successful use at a few works, although considerable economies would result. He estimates that integrated automation of 8 - 10 large plants would release 2 000 workers, save 10 million kWh, increase ore output by 1 million tons/year and yield an extra 15-20 000 tons of non-ferrous metals. A 6-10% increase in productivity with a 6-9% fuel saving has been achieved

Card 1/5

SOV/136-58-10-5/27

More Attention to the Automation of Production Processes in
Non-ferrous Metallurgy

through the automation of reverberatory furnaces. Experience at the Chinkent Lead Works has shown the advantage of automatic sinter-charge preparation and at several plants fluidised bed roasters are being integrally automated. On the other hand, work is lagging in the automation of rotary kilns and in the magnesium industry, although furnace and labour productivity have been increased where this has been done (Solikamsk and Berezniki Works). Integrated automation should, the author maintains, be pursued as vigorously at metallurgical as at beneficiation works and he blames bad plant designs and also slackness on the part of operators (a survey by the Giprotsvetmet showed that only 826 of the 1 328 control points installed at the Ust'-Kamenogorsk Lead-zinc Combine were in operation and instrument care and maintenance were negligible). He urges that research and design work

Card 2/3

SOV/136-58-10-5/27

More Attention to the Automation of Production Processes in
Non-ferrous Metallurgy

be pursued urgently, arrangements being made by the
Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Min-
istrov SSSR (State Scientific and Technical Committee of
the Council of Ministers of the USSR) with the appropriate
Sovnarkhoz (local economic council) and research
organisations.

Card 3/3

AUTHOR: Solov'yev, V.Ya.

SOV/136-58-12-1/2?

TITLE: Development of Non-ferrous Metallurgy in the Period of the Extensive Building of a Communist Society (Razvitiye tsvetnoy metallurgii v period razvernutogo stroitel'stva kommunisticheskogo obshchestva)

PERIODICAL: Tsvetnyye Metally, 1958, Nr 12, pp 1 -5 (USSR)

ABSTRACT: After a brief discussion of the historical background and international significance of the 1959-1965 Soviet seven-year plan, the author outlines its non-ferrous metallurgical aspects. 60% of all capital to be spent on non-ferrous metallurgy is to go to the aluminium, copper and nickel industries, the productions of aluminium and copper planned for 1965 being 2.8 and 1.9 times, respectively, their 1958 values. Compared with the previous seven years, investment in the rare-metals industry is to be tripled. The main non-ferrous metallurgy development is to be in the East. Ore supplies will be suitably increased (open-cast production rising by 2.8 times). More components will be recovered from the ores and the author mentions the following measures for such integrated utilisation: multi-stage and combined beneficiation, selective flotation

Card1/2

SOV/136-58-12-1/22

Development of Non-ferrous Metallurgy in the Period of the
Extensive Building of a Communist Society

and heavy-media concentration, hydro-metallurgical treatment, use of oxygen and heated air for processes, high-pressure methods, fluidised-bed roasting and electro-thermic methods. For shaping non-ferrous metals, rolling-mill capacity will be almost doubled.

Card 2/2

SOV/136-59-5-1/21

AUTHORS: Solov'yev, V. Ya., and Narbutovskikh, N. S.

TITLE: Reduction in Production Costs per Unit of Production is One of the Main Tasks for Non-Ferrous Industrial Enterprises (Snizheniye proizvodstvennykh zatrat na yedinitu produktsii - odna iz vazhneyshikh zadach predpriyatiy tsvetnoy metallurgii)

PERIODICAL: Tsvetnyye metally, 1959, Nr 5, pp 1-9 (USSR)

ABSTRACT: The authors draw attention to the importance of economics in production costs in the overall plan for the "building of communism" in the USSR adopted at the 21st Meeting of the KPSS (CPSU), and state that the non-ferrous metals industry has an important role to play. The industry has already undertaken to exceed its target by over 600 million roubles and to save 125 million roubles and to introduce many suggestions with a total rated annual cost-saving value of over 350 million roubles. The authors are confident that these undertakings will be more than fulfilled, and go on to discuss possible reserves of production. One of these is increased use of opencast mining methods with efficient equipment. Calculations by the Giprotsvetmet institute have shown the cost reductions to be expected from this at various mines; the same

Card 1/3

SOV/136-59-5-1/21

Reduction in Production Costs per Unit of Production is One of the Main Tasks for Non-Ferrous Industrial Enterprises

institute has reported on the use of natural gas in the industry. The authors complain that improved mining equipment is not being provided and in other cases not being applied. In the complex utilization of raw materials and recovery of metals from waste products many shortcomings remain in spite of favourable results obtained at some enterprises, and the authors hold the Gosplan SSSR (USSR) to be blameworthy. In the introduction of new methods, such as those based on the use of oxygen, much remains to be done and insufficient attention is being given to this problem by the Gosplans of the Kazakhskaya (Kazakh) SSR and the RSFSR and by various economic councils. The authors give examples of poor practice at various works and defects in the supply and capital construction positions, and point out the economic significance of idle stock and plant. They urge the establishment of a price system which would distribute profits more fairly between the various

Card 2/3

SOV/136-59-5-1/21
Reduction in Production Costs per Unit of Production is One of the
Main Tasks for Non-Ferrous Industrial Enterprises

enterprises contributing to the production of the
finished metal and the need for utmost economy at all
stages.

There are no figures, no references.

Card 3/3

41109

S/136/62/000/011/001/002
0021/2435

11 12 00

AUTHORS: Layner, D.I., Solov'yev, V.Ya.,
Krupnikova-Perfina, Ye.I., Kachur, Ye.V.

TITLE: Study of the deformation texture of rolled niobium

PERIODICAL: Tsvetnyye metally, no.11, 1962, 60-85

ABSTRACT: The main orientations in rolled niobium and the influence of the degree of deformation and the effect of some impurities on the texture of the deformation were studied. Niobium prepared by both the carbon-thermal and the sodium-thermal methods was used. Some of the niobium was vacuum-sintered at 2300°C in the form of bars 20 x 20 x 600 mm, some was remelted in a vacuum-arc furnace to 70 mm diameter bars and some was remelted in an electron-beam furnace to 80 mm diameter bars. Some of the bars were forged and then cold rolled with intermediate annealing; the total deformation was 83%. The deformation texture was then compared for the different starting materials which contained different amounts of impurities (O₂ - 0.152 and 0.083, N₂ - 0.04 and 0.1, C - 0.04 and 0.07, Si - 0.012 and 0.005 for sodium-and carbon-thermal methods respectively). The influence of the melting
Card 1/2

S/136/62/000/011/001/002
E021/E435

Study of the deformation ...

procedure on the texture of rolled material was studied on niobium prepared by the sodium-thermal process after 95% deformation. The texture was determined from pole-figures constructed for (110) and (200) faces. Results: The technological processes involved in the preparation of niobium had no effect on the formation of the deformation texture. An increase in degree of deformation during the final rolling was accompanied by an increase in the degree of perfection of the texture of rolling. Within the investigated limits, the content of the impurities oxygen, nitrogen and carbon had no influence on the type or the degree of perfection of the texture. The main axes of the deformation texture of rolled niobium were (112) [110] + (100) [110]. There are 6 figures and 3 tables.

Card 2/2

L 18302-65 EWT(m)/EPF(n)-2/EWA(d)/EWP(t)/EWP(k)/EWP(b) Pf-l/Pu-l IJP(c)/
AFWL/ASD(m)-3/AFETR/ASD(f)-2/AFTC(p)/SSD JD/HW/JG S/0136/64/000/012/0071/0074 B
ACCESSION NR: AP5000944

AUTHOR: Krupin, A. V.; Solov'yev, V. Ya.; Chernyshev, V. N.; Izotov,
V. M.; Korolev, V. M.

TITLE: Investigation of the basic indices in cold rolling of niobium 14 27

SOURCE: Tavetnyye metally, no. 12, 1964, 71-74

TOPIC TAGS: niobium, cold rolling, specific pressure, friction,
torque, forward slip

ABSTRACT: An investigation has been made of the effect of reduction in cold rolling of niobium on the total and specific roll pressure, torque, friction, and forward slip, and also of the effect of the width of the rolled bar on the mean specific roll pressure and spread. Ingots of 99.88%-pure, vacuum arc-melted niobium were preforged and cold rolled into 5-mm thick strip. Test specimens 30 mm wide and 120 mm long cut from this strip were subjected to recrystallization 14
annealing in a vacuum of $1 \cdot 10^{-5}$ mm Hg at 1200C, and cold rolled with a reduction of 5-80% in one pass. The mean specific pressure was found to rise sharply with increasing reduction, reach a maximum of about

Card 1/2

L 18302-65

ACCESSION NR: AP5000944

68 kg/mm² at a reduction of 20%, and then to decrease gradually to about 85% of the maximum value at a reduction of 80%. The approximate value of the friction coefficient for cold rolling of niobium in ground, cast-iron rolls was determined as 0.08—0.09. The initial width of the strip was found to have an insignificant effect on the mean roll pressure. The absolute magnitude of the spread increased almost linearly with increasing reductions from 0.7 mm at 20% reduction to 2.9 mm at 80% reduction. Orig. art. has: 6 figures and 4 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NO REF SOV: 005

OTHER: 000

ATD PRESS: 3156

Card 2/2

KRYSENKO, N.S.; POZNYUKOV, V.Ya.; GAZARYAN, I.M.; YADOV, Y.E.;
KALYZZHANOV, K.K.; KUZ'MIN, A.V.; TROITSKIY, A.V.; LEZGINTSYEV, G.M.;
MITROFANOV, S.I.; SOLOV'YEV, V.Ya.; SOBOL', S.I.; MYAGKOVA, T.M.;
GAYDIT, A.A.; GENIN, N.N.; GRATSEPSHTEYN, I.M.; SKORNYAKOV, Ya.T.,
referent

Fourth plenum of the central administration of the Scientific
Technological Society for Nonferrous Metallurgy. TSvet. met.
BR no.5:90 Ny '65. (MIRA 18:6)

1. Chlen Tsentral'nogo pravleniya Nauchno-tekhnicheskogo obshchestva
tsvetnoy metallurgii i zavod "Ukrts'ink" (for Krysenko).
2. Chlen
Tsentral'nogo pravleniya Nauchno-tekhnicheskogo obshchestva tsvetnoy
metallurgii i "Sovarenkol" (for Poznyukov).
3. Institut metallur-
gii im. Baykova (for Gazaryan).
4. Predsedatel' soveta Nauchno-
tekhnicheskogo obshchestva Kol'chuginskogo zavoda OTBM (for Yadov).
5. Chlen Tsentral'nogo pravleniya Nauchno-tekhnicheskogo obshchestva
tsvetnoy metallurgii, Sovet narodnogo khozyaystva Kazakhskoy SSR
(for Fayzralanov).
6. Predsedatel' gorno-geologicheskoy sektsii
Tsentral'nogo pravleniya Nauchno-tekhnicheskogo obshchestva tsvetnoy
metallurgii; Gosudarstvennyy komitet Soveta Ministrov KSSR po
koordinatsii nauchno-issledovatel'skikh rabot (for Kuz'min).
7. Chlen Tsentral'nogo pravleniya Nauchno-tekhnicheskogo obshchestva

Continued on next card)

KRYSENKO, N.S.--- (continued) Card 2.

tsvetnoy metallurgii, Sovet narodnogo khozyaystva SSSR (for Troitskiy). 8. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy tsvetnoy metallurgii (for Lezgintsev). 9. Gosudarstvennyy nauchno-issledovatel'skiy institut tsvetnykh metallov (for Mitrofanov, Sobol', Genin). 10. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut splavov i obrabotki tsvetnykh metallov (for Sllov'yev). 11. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut mekhanicheskoy obrabotki poleznykh iskopayemykh (for Myagkova). 12. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy tsvetnoy metallurgii (for Gaylit).

L 18852-66 EWT(m)/EPF(n)-2/EMP(t) IJP(c) JD/JG/WB
ACC NR: AT6006474 SOURCE CODE: UR/02680/65/000/024/0075/0085

76

AUTHOR: Layner, D. I.; Solov'yev, V. Ya.; Kuznetsova, M. I.; Krupnikova-Perlina, Ye. I.; Slesareva, Ye. N.

B-1

ORG: State Scientific-Research Planning Institute of Alloys and the Processing of Nonferrous Metals (Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut splavov i obrabotki tsvetnykh metallov)

TITLE: Study of the oxidation of niobium
44,55 18 44,55 27

SOURCE: Moscow. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut splavov i obrabotki tsvetnykh metallov. Trudy. no. 24, 1965. Metallovedeniye i obrabotka tsvetnykh metallov i splavov (Metal science and the treatment of nonferrous metals and alloys), 75-85

TOPIC TAGS: niobium, niobium oxide, oxidation, oxide formation, polymorphism, crystal structure analysis, lattice parameter, temperature dependence

ABSTRACT: The niobium (melted in an electron-beam furnace) had the following composition: 0.1-0.8% (by wt) C, 0.01-0.05% O₂ and 0.01-0.05% N₂. The ingots were forged, machined and vacuum annealed at 1250°C. Kinetic oxidation curves were ob-

44,55

Card 1/2

L 18852-66

ACC NR: AT6006474

tained at temperatures ranging in 100° intervals from 600 to 1200°C and the relation $\Delta m^k = \tau$ (where Δm is the weight gain in g/cm², τ is time in min) was obeyed; k varied as a function of oxidation time and temperature from 0.5 to 2.0. Up to 800°C, a brittle scale formed while at higher temperatures the scale was sintered and became denser and stronger. At constant oxidation times, the sintering caused k to decrease with increase in temperature. The oxide structures were analyzed by x-ray diffraction. At 500 to 800°C, two layers of α -Nb₂O₅ were formed and the lower scale of α -Nb₂O₅ had a texture due to contact with the metal. This texture endured oxidation for 3.5 hr at 800°C. Above 800°C, α -Nb₂O₅ changed to β -Nb₂O₅, especially in the outer layer since α -Nb₂O₅ was preserved in the inner scale even after prolonged oxidation. Lattice parameters and intensities were tabulated for oxidation at 1000°C and 4.5 hr for both the external and inner sides of the scale; the oxides β -Nb₂O₅ and NbO were present, the NbO forming as early as 45 sec at 1000°C. The texture of the scales was further studied by means of electron diffraction and data showed that for oxidation at 1020°C for 20 sec the β -Nb₂O₅ and NbO had no texture but after 30 sec a texture was observed. For NbO, a (111) texture was determined. The fact that the texture persisted even during the α -Nb₂O₅ + β -Nb₂O₅ transformation confirmed the hypothesis that the oxide formation mechanism was independent of phase composition. Orig. art. has: 5 figures, 3 tables, 1 formula.

SUB CODE: 11, 20, 13/SUBM DATE: 00/

ORIG REF: 003/

OTH REF: 006

Card 2/2 *HW*

ACC NR: AM6019925

Monograph

Mal'tsev, Mikhail Vasil'yevich (Professor; Doctor of Technical Sciences);
Baykov, Aleksey Ivanovich (Candidate of Technical Sciences); Solov'yev,
Valentin YAKovlevich

Technology of the production of niobium and its alloy (Tekhnologiya
proizvodstva niobiya i yego splavov) Moscow, Izd-vo "Metallurgiya",
1966. 291 p. illus., biblio. 2100 copies printed.

TOPIC TAGES; niobium, niobium base alloy, metal property, metal physical
property, metal chemical analysis, metal extracting, metal melting, metal welding,
metal machining

PURPOSE AND COVERAGE: This book is intended for scientific workers of research
institutes, design organizations and engineering personnel of plants
engaged in niobium and niobium-base alloy production and use. The
book reviews the physical, chemical and mechanical properties of
niobium and niobium-base alloys. Technological problems of producing
niobium and niobium-alloy semifinished and finished products are
discussed and the principal fields of their use are indicated. Ch. I
is written by A. I. Baykov, Candidate of technical sciences; Ch. II
by A. I. Baykov with the participation of Professor and Doctor of
technical sciences M. V. Mal'tsev; Ch. III by M. V. Mal'tsev with the
participation of A. I. Baykov; Ch. IV by A. I. Baykov and V. Ya.

Card 1/4

UDC: 661.888

ACC NR: AM6019925

- 2. Interaction between niobium and interstitial impurities -- 4

- Ch. III. Niobium-base Alloys -- 64
 - 1. General information on interaction between niobium and various elements in the alloying process -- 65
 - 2. Phase diagrams and properties of binary alloys -- 70
 - 3. Present niobium alloys -- 109

- Ch. IV. Obtaining Niobium Compacts by Powder Metallurgy Methods -- 130
 - 1. Extraction of niobium by reduction with sodium -- 131
 - 2. Extraction of niobium by reduction with carbon -- 145

- Ch. V. Melting of Niobium and Its Alloys -- 153
 - 1. Melting ingots in vacuum arc furnaces -- 153
 - 2. Melting ingots in electron-beam furnaces -- 171

- Ch. VI. Treatment of Niobium and Its Alloys Under Pressure -- 187
 - 1. Some data on technological plasticity and thermomechanical parameters of deformation of niobium and its alloys -- 187
 - 2. Technology of producing niobium and niobium alloy semifinished products -- 197

Card 3/4

PA 35/49T102

USSR/Physics
Electricity
Terminology

Jan 49

"Concerning the Articles of M. F. Mal'kov, 'The In-
production of Absolute Electric and Magnetic Units
in the USSR,' and P. I. Kalantarov, 'The Unit
Systems for Measuring Electric and Magnetic Quan-
tities'" 14 pp

"Elektrichestvo" No 1

Articles by V. Ye. Solov'yev, V. A. Zemskiy, B. I.
Malkinson, K. M. Polivanov, P. I. Kalantarov, and
M. F. Mal'kov discuss the practicability of adapt-
ing "the absolute electromagnetic system of units"
35/49T102

Handwritten: 6/13.674

USSR/Physics (contd)

Jan 49

instead of the international system. The latter
two men advocate the new system.

SOLOV'YEV, V. YE.

35/49T102

STROGANOV, Ye.V.; ANDREYEV, S.H.; KOZHINA, I.I.; SOLOV'YEV, V.Ye.

Crystal structure of crystal hydrates of transition metal salts
Part 3: $\text{CoBr}_2 \cdot 6\text{H}_2\text{O}$ crystal structure. Vest LGU 16 no.16:114-
119 '61. (MIRA 14:8)

(Cobalt halides)
(Crystal lattices)

STROGANOV, Ye.V.; SOLOV'YEV, V.Ye.; MEN'SHIKOV, G.G.

Computer for calculating trigonometric series in X-ray diffraction
examination [with summary in English]. Vest. LGU no.13:169-171
'61. (MIRA 14:7)
(X-rays--Diffraction) (Electronic calculating machines)

SOLOV'YEV, Docent V. Ye.

"Systems of Physical Units," Elektrichestvo, No. 7, 1949. Cand. Physico-Mathematical
Sci., Mbr., Dnespropetrovsk State Univ., -1949-.

SOLOV'YEV, V.Ye., prof. (Tbilisi)

Not 12 years but 25! Put' 1 put.khoz.no.12:38 D '57. (MIRA 10:12)
(Railroads--Ties)

USHAKOV, Nikolay Stepanovich; SOLOV'YEV, V.Ye., inzh., retsenzent;
TROININ, M.F., inzh., red.; VASIL'YEV, V.P., red.izd-va;
SPERANSKAYA, O.V., tekhn.red.

[Electrically driven bridge cranes] Mostovye elektricheskie
krany. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry,
1959. 150 p. (MIRA 13:4)
(Cranes, derricks, etc.)

SOLOV'YEV, V.Ye., inzh.

Joining steel-wire rope ends. Bezop. truda v prom. 2 no.12:33 D '58.
(MIRA 11:12)

(Wire rope)

ZAPOROZHTEVA, S.V.; SOLOV'YEV, V.Ye.; KAVRIN, A.A.

Observation of the fourth contact of the total solar eclipse of
February 15, 1961. Astron. tsir. no.219:16-17 Mr '61. (MIRA 14:10)

(Eclipses, Solar--1961)

DEMIDOVA, N.Ye. ; SOLOV'YEV, V.Ye.; YAROSHEVICH, S.V.

Observations of the illumination during the total solar eclipse
of February 15, 1961. Astron.tsir. no.227:5-7 F '62. (MIRA 16:1)

1. Dnepropetrovskiy gosudarstvennyy universitet.
(Eclipses, Solar--1961)

KAT'KIN, A.A.; SOLOV'YEV, V.Ye.

Observation of the total solar eclipse of February 15, 1961, in
the western Crimea. Biul.VAGG no.32:44 '62. (MIRA 15:11)

1. Irkutskoye otdeleniye Vsesoyuznogo astronomo-geodezicheskogo
obshchestva i Khar'kovskoye otdeleniye Vsesoyuznogo astronomo-
geodezicheskogo obshchestva.
(Eclipses, Solar--1961)

DEMIDOVA, N.Ye.; SOLOV'YEV, V.Ye.; YAROSHEVICH, S.V.

Observation of the lunar occultation of Venus on October 7,
1961. Astron. tsir. no.228:32-34 Ap '62. (MIRA 16:6)

1. Dnepropetrovskiy gosudarstvennyy universitet.
(Occultations)

DEMU-CVA, N.Ye.; SOLOV'YEV, V.Ye.

Occultation of Venus by the moon observed on December 12, 1963
at Dnepropetrovsk. Biol. Inst. teor. astron. 10 no.1:91 '65.
(MIRA 18:12)

1. Dnepropetrovskiy universitet. Submitted February 1964.

14.7300
16.6300

S/003/01/000/003/008/008
D261/0305

AUTHORS: Stroganov, Ye. V., Solov'yev, V. V. and Len'shikov, G. G.

TITLE: Computer for calculating a trigonometric series in X-ray structure analysis

PERIODICAL: Leningrad Universitet, Vestnik, Seriya matematiki, mekhaniki i astronomii, no. 3, 1961, 169-171

TEXT: In designing the computer, the following goals were set: to considerably facilitate and speed up computations, and to make it so simple that it could be constructed in the laboratory. The machine has the function of adding one-dimensional series of type

$$\sum_{h=1}^M F(h) \cos \frac{360}{N} hx \quad \text{or} \quad \sum_{h=1}^M F(h) \sin \frac{360}{N} hx$$

X

for $x = 0, 1, 2, \dots, N/6$. It is easy to provide for the separate addition of even ($h=2n$) and odd ($h=2n+1$) harmonics. A model of the machine was constructed for calculating a cosine-series with $M = 8$

Card 1/3

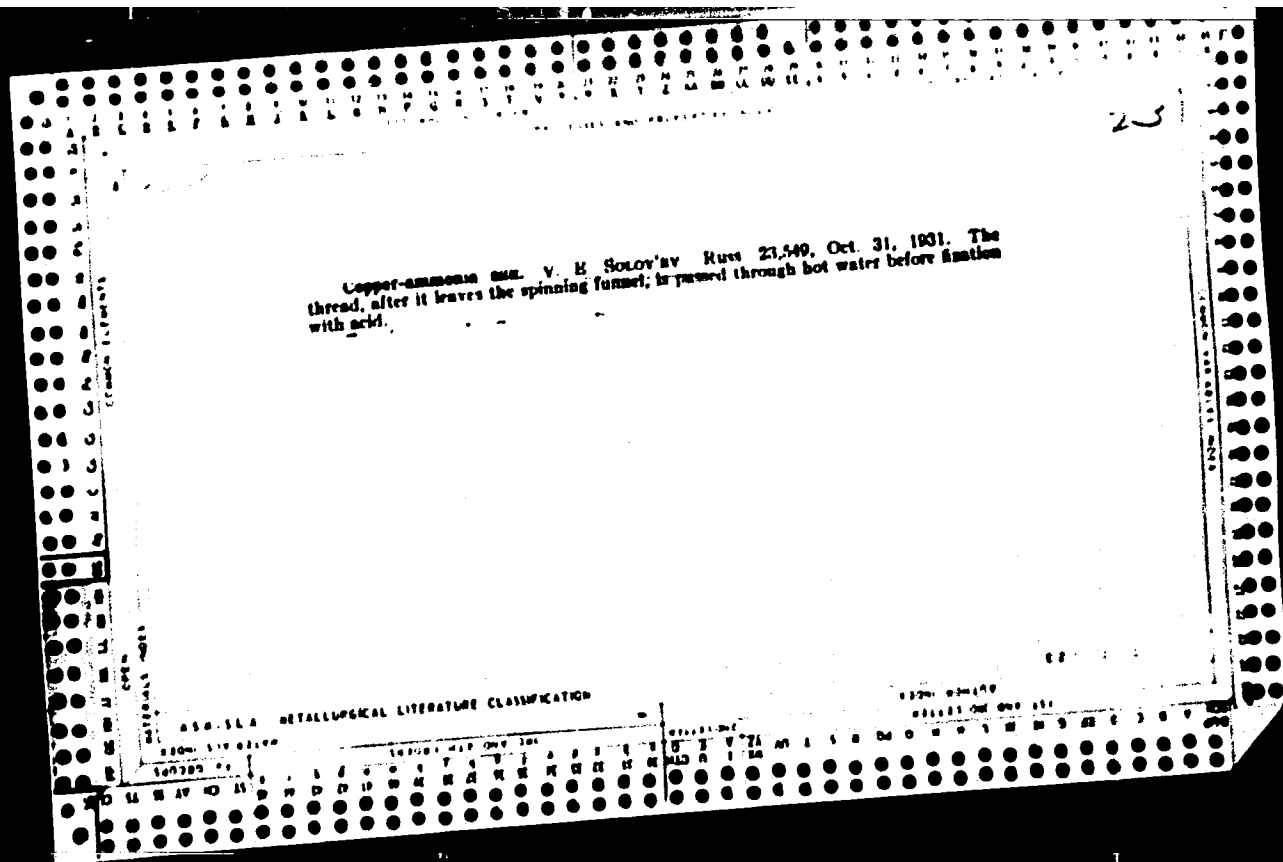
Computer for calculating...

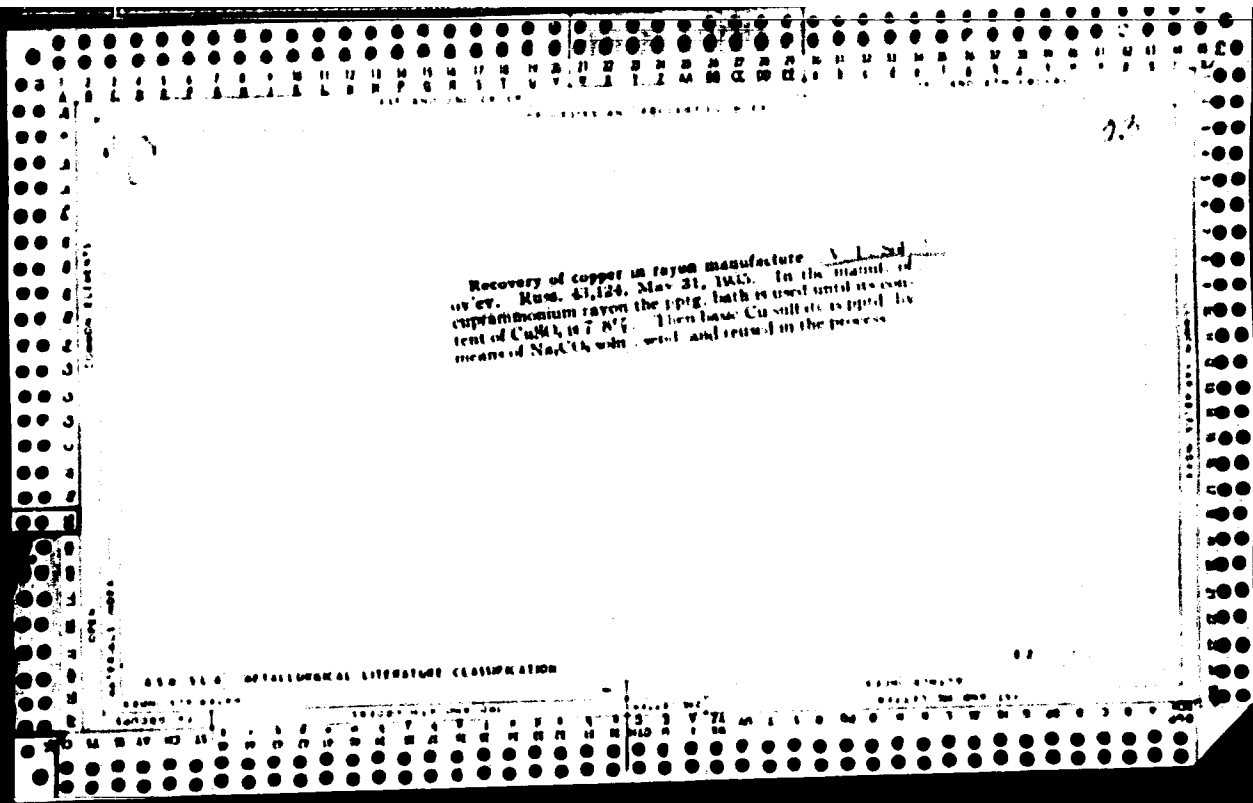
3/015701/000/003/008/008
D201/D305

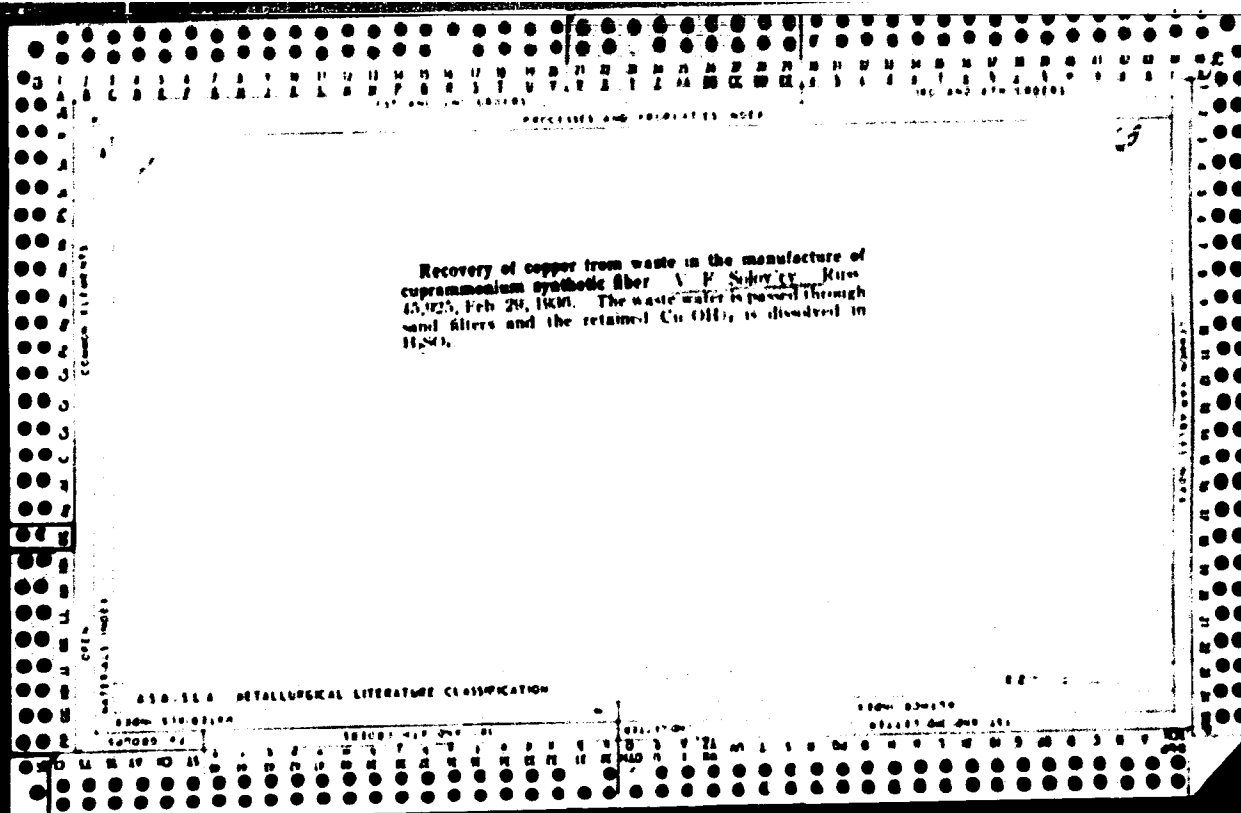
This rate does not depend on the number of harmonics involved, as the adding operation takes place instantly. The computation error does not exceed 2%. The model machine was successfully used for Fourier-syntheses by students at the Leningradskiy gosudarstvennyy universitet (Leningrad State University) in their laboratory practice. There is 1 figure

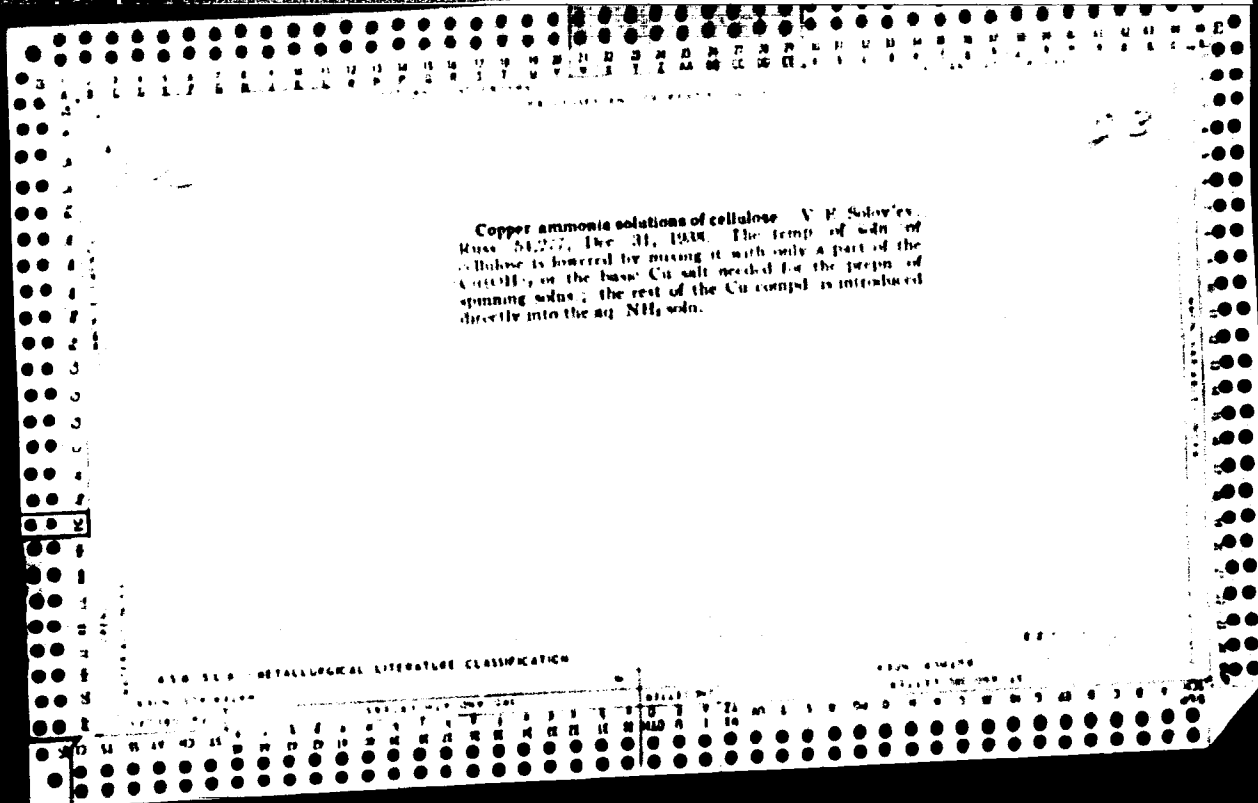
X

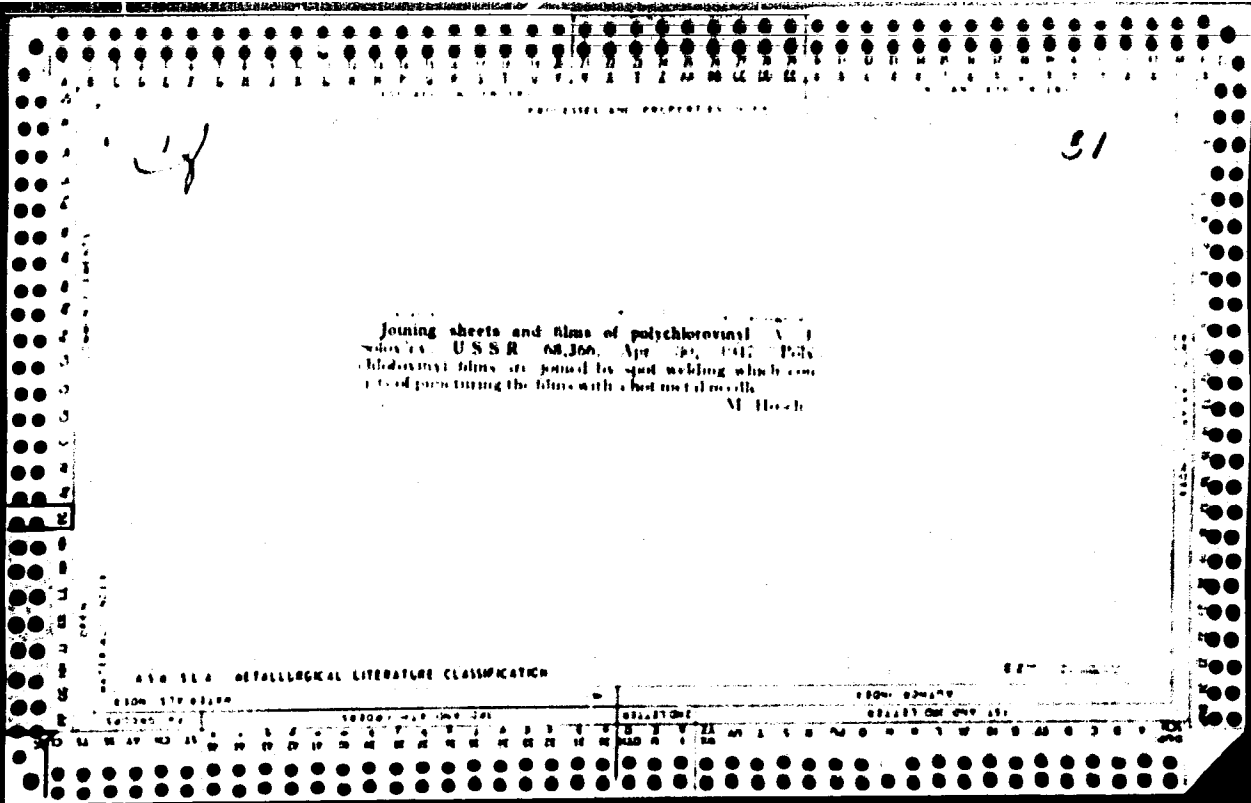
Card 3/3











Rubber Abstracts

*Synthetic Rubber and
Allied Products*

Joining sheets and films of polyvinyl chloride
V. I. Petrov et al (USSR, *Plastmas, Chem. Abstr.*, 1949,
43, 5711) The films are joined by spot welding
which consists of puncturing the films with a hot
metal needle. 3521121652320015-6

1949

SOLOV'EV, V. YE.

23268 Pryadeniye Medno-Amniachnogo ShTapel'nogo Vokhlokokoprya Den'i. Tekstil.
Prots-st', 1949, No. 6, c. 11-12

SO: LETOPIS NO. 31, 1949

Textile Machinery

Application of rubber covers in woolen manufacture., Tekst. prom.,
No. 2, 1952.

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

SOLOV'YEV, V.Ye.

Simplified method of staple fiber processing. Tekst.prom.16 no.1:
63-64 Ja '56. (MLRA 9:4)
(Meninge---Woolen and worsted manufacture)

SOLOV'YEV, Ya. I.

"The Work of A. P. Borodin on the Condensation of Aldehydes," *Uspokhi Khim.*, 18, No. 6,
1949.

stated for, in i.

OL'MAN, E.V.; SOLOV'YEV, Ya.I.; TOKAREV, V.P.

[Automatic pilots] Avtopiloty. Moskva, Glav. red. aviatsionnoi lit-ry, 1946.
470 p. (MIRA 6:8)

(Automatic pilot (Airplanes))

SOL V^YEV, YA. I.

Giroskopicheskie pribory i avtoriloty. Moskva, Oborongiz, Glav. red. aviatsionnoi lit-ry, 1947. 516 p.

Title tr.: Gyroscopic instruments and automatic pilots.

NCF

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

Solov'yev, Ye,

AID P - 899

Subject : USSR/Aeronautics
Card 1/1 Pub. 135 - 9/19
Author : Solov'yev, Ye., Lt. Col. of Medical Service
Title : Physical exercises as a means in the struggle against pilots' fatigue
Periodical : Vest. vozd. flota, 5, 41-44, My 1954.
Abstract : The author mentions some causes of pilot fatigue, and considers its symptoms and detection. He suggests physical exercises as a method of combating fatigue and gives some details on how they should be organized and conducted.
Institution : None
Submitted : No date

SOLDV'YEV, Ye.

Enjoying high confidence. Mast.prom.i khud. promys. 3 no.2:
8 F '62. (MIRA 15:2)

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