POPOV, E.A.

USSR/ Engineering - Machine tools

Card 1/1 Pub. 128 - 16/34

Authors : Popov, E. A.

Title : Drawing with die sets

Periodical : Vest. mash. 12, 57-60, Dec 1954

Abstract : The drawing and capping of cylindrical shells on drawing dies is described, and formulas are given for calculating drawing-forces and the deformation of the blank. Illustration; drawing.

Institute : .....

Submitted : .....

POPOV, [redacted] kandidat tekhnicheskikh nauk, dotsent.

Extrusion with pressing. Vest.mash.34 no.12:57-60 D'54. (MIRA 8:2)
(Extrusion (Metals))

MARKOV, Vladimir N., akad.; BURDAROV, Svetoslav St., dots. d-r.; POPOV, Emil.

Investigation on penicillinase and on anti-penicillinase serum. Izv.mikrob.inst., Sofia 5:45-68 1954.

(PENICILLINASE, anti-penicillinase serum)

(IMMUNE SERUMS, anti-penicillinase serum)

33327
S/049/62/000/001/002/003
D218/D304

9,6160

AUTHOR: Popov, E.I.

TITLE: Estimating the accuracy of gravimeter measurements of acceleration due to gravity at sea

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya geofizicheskaya, no. 1, 1962, 30-53

TEXT: It is pointed out that highly damped gravimeters of the type described by K.Ye. Veselov (Ref. 1: Prikl. geofiz., no. 15, 1956) are being widely used to measure 'g' both in the Soviet Union and abroad. The aim of this work is to analyze the sources of error and their effect on observations carried out with these gravimeters. The analysis is based on laboratory studies and experiments carried out in submarines using the [Abstracter] (GAL) gravimeters developed at the Aerogravimetricheskaya laboratoriya instituta fiziki zemli AN SSSR (Aerogravimetric Laboratory of the Institute of Physics of the Earth, Academy of Sciences USSR). The first section is concerned with the error in the anomaly, $\Delta g = g - \gamma_0$ where $g = g_H + \delta_h$

Card 1/3

in calculations of Faye's anomaly, and $g=g_H+\delta_h+\delta_H$ in calculating Bouguer's anomaly. In these expressions δ_h is the correction for the depth of submergence of the submarine, h is the depth of submergence of the instruments relative to sea level, δ_H is the correction for the depth of the sea at the point of observation, H is the depth of the sea and γ_0 is the normal value of the acceleration due to gravity according to Helmert's formula (1901-1908). It is estimated that the errors were as follows: Faye's anomaly, $\pm$ 3.8 mgl, Bouguer's anomaly: $\pm$ 4.6 mgl. Comparison of these figures with the corresponding results for pendulum type gravimeters leads the present author to conclude that the GAL gravimeters are of high accuracy. The second part of this paper is concerned with instrumental errors. A detailed review of experimental results and their analysis indicates that the effect of instrumental errors is of the order of $\pm$ 1 mgl. Finally, analysis of dynamic errors of measurement, i.e. errors due to inertial forces associated with the motion of the base upon which the gravimeters were mounted, shows that they are equivalent

Card 2/3

Estimating the accuracy of ...

to ± 2.5 mgl. The general conclusion is that the accuracy of these gravimeters is limited not by instrumental errors, but rather errors in determining the coordinates (± 4-5 mgl), errors associated with the presence of under-water currents (± 4 mgl) and errors in determining the depth of the sea at the point of observation (up to ± 15 mgl for large depths, Bouguer's reduction). It is possible to carry out a survey of 'g' - variations in the range 1500-2000 mgl from a submarine using five to eight GAL gravimeters. Subject to adequate thermostating, the instrumental errors in 'g' should not exceed ± 2-3 mgl. There are 7 figures, 12 tables and 3 Soviet-bloc references.

ASSOCIATION: Akademiya nauk SSSR. Institut fiziki zemli (Academy of Sciences USSR, Institute of Physics of the Earth)

SUBMITTED: June 20, 1961

Card 3/3

POPOV, E. I.

19

Rates of carbon-14 for comparing the rates of dehydrogenation of butane and butylene. A. A. Balandin, O. K. Bogdanova, G. V. Isagulyants, M. B. Neiman, and E. I. Popov. *Izvest. Akad. Nauk S.S.S.R., Otdel. Khim. Nauk* 1955, 18–23.—The dehydrogenation of C_4H_{10}–C_4H_8 mixts. over an Al-Cr catalyst was studied with C_4H_{10} contg. C^{14}. The ratio of the rates of dehydrogenation on a Cr catalyst was calcd. from data obtained earlier (*C.A.* 51, 14394b). It was shown that for both catalysts the ratio of the rates of dehydrogenation of C_4H_{10} into C_4H_8 and divinyl is of the same order of magnitude: ~20:1. The ratio of the rates for the formation of divinyl from C_4H_{10} and from C_4H_8 was 1:1000 for the Cr catalyst and 1:25 for the Al-Cr catalyst. It was established that the formation of divinyl from C_4H_{10} occurs with the intermediate formation of C_4H_8 which, before its conversion to divinyl, is at least 95% desorbed from the catalyst surface.

J. Rovtar-Leach

9 2MAY 3

14

Distr: 4E2c(j)/4E4j/4E3d

POPOV, Evg. At.

Experiments for increasing the seed production of the sugar beet by stimulating with iodine tincture. Izv Inst biol BAN 10:275-280 '60. (EEAI 10:4)

(SEED)
(SUGAR BEETS)
(IODINE)

POPOV, F.

Planning and recording. Prof.-tekh.obr. 19 no.4:26 Ap '62. (MIRA 15:4)

1. Direktor Volgogradskogo tekhnicheskogo uchilishcha No.5.
(School management and organization)

POPOV, F.

POPOV, F.

Eliminate shortcomings in the training of construction workers. Prof.-tekh.obr. 12 no.1:29-30 J '55. (MLRA 8:3)

1. Nachal'nik Tsentral'nogo uchebnogo kombinata Glavgidroenergostroya Ministerstva elektrostantsiy (g.Stalingrad). (Stalingrad--Technical education) (Construction workers)

POPOV, F.

Material interest of students. Prof.-tekh. obr. 15 no.6:11-12 Je '58.
(MIRA 11:6)

1. Direktor tekhnicheskogo uchilishcha No.5, Stalingrad.
(Field work (Educational method)) (Wages)

SOV/27-59-3-27/37

22 (1)

AUTHOR: Popov, F., School Director

TITLE: The Rallying of a Students' Collective Body (Splocheniye uchenicheskogo kollektiva)

PERIODICAL: Professional'no-tekhnicheskoye obrazovaniye, 1959, Nr 3, p 29 (USSR)

ABSTRACT: The poor discipline among the students, lack of work in consolidating and expanding the training base, and the poor qualifications of the instructors prevented the staff of the Stalingrad Technical School No 5 from achieving a proper training of skilled workers. The students' scornful attitude towards physical work is mentioned. To overcome this, 1½ to 2 hours of daily socially-useful work were introduced. The influence of the students organizations was also underrated. A Komsomol meeting of the school elected a special working committee to carry out all socially-useful work, and approved the introduction of self-attendance among the students. The author outlines the results obtained and the savings made because of the new organizational set-up.

Card 1/2

The Rallying of a Students' Collective Body

ASSOCIATION: Tekhnicheskoye uchilishche No 5, Stalingrad
(Technical School No 5, Stalingrad)

POPOV, F., inzh.; ZHUKOV, S.; ZUBAREV, A., prepodavatel';
SHUMAKHER, L.

Readers' letters. Sel'. stroi no.9:29 S '62. (MIRA 15:10)

1. Buyskiy sel'skokhozyaystvennyy tekhnikum (for Zubarev).
2. Glavnyy inzh. masterskoy No. 4 Gosudarstvennogo instituta proyektirovaniya sel'skogo stroitel'stva (for Shumakher).

(Construction industry)

SHESTAKOV, A., tekhnik-stroitel'; DIKIY, V.; TUMASYAN, I.; KLOKOV, N., inzhener-stroitel'; POPOV, F., inzh.

Readers' letters. Sel'. stroi. 15 no.4:27 Ap '61. (MIRA 14:6)

1. Sel'khozinspektsiya Orshanskogo rayona, Mariyskoy ASSR (for Shestakov). 2. Predsedatel' kolkhoza imeni Kirova Yegorlykskogo rayona, Rostovskoy oblasti (for Dikiy). 3. Sekretar' partiynoy organizatsii kolkhoza imeni Kirova Yegorlykskogo rayona, Rostovskoy oblasti (for Tumasyan). 4. Sel'khozinspektsiya Khorol'skogo rayona, Primorskogo kraya (for Klokov).

(Farm buildings)

27-58-6-9/35

AUTHOR: Popov, F., School Director

TITLE: The Material Profits of Students (Material'naya zainteresovannost' uchashchikhsya)

PERIODICAL: Professional'no-Tekhnicheskoye Obrazovaniye, 1958, Nr 6, p 11-12 (USSR)

ABSTRACT: Students of technical schools receive 33 % of the value of the work they execute during their training in industrial plants above the amount of the school grant. Practice shows that the rigid application of this regulation is not always right. There are students who work more and better than others and still receive the same remuneration. As the best student-workers see that they are paid the same as the lazy ones, they stop working harder and the whole level of work falls. To avoid this, the Stalingrad school Nr 5 introduced a new method of compensation. Before the end of the practice period, a special commission checked their work and evaluated it according to its merits.

ASSOCIATION: Tekhnicheskoye uchilishche Nr 5, Stalingrad (Stalingrad Technical School Nr 5)

Card 1/1 1. Education-USSR 2. Educational dynamics-USSR

POPOV, F.

Moving-picture Projectors

Device for watching of arc. Kinomekhanik no. 12, 1952

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Uncl.

POPOV, F. [illegible]

Popov, F. [illegible] "A system for soil-climatic regionalization of the Kirgiz SSR", Trudy Sektora pochvovedeniya (Kirgiz. filial Akad. nauk SSSR), Issue 1, 194[illegible], pp. [illegible]--5.

SO: U-411, 17 July 1953, (Letopis 'Zhurnal 'nykh Statey, No. [illegible], 1949).

1. POPOV. F. A.

2. USSR (600)

4. Issyk-Kul' Valley-Soils

7. Soils of the Issyk-Kul' Valley. Trudy Sek. pochv. KirFAN SSSR, no '49

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

1. POPOV, F. A., ARTAMONOV, S. P.
2. USSR (600)
4. Grasses
7. When perennial grass sod should be turned up, Trudy UNDISOZ, 6, 1951

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Uncl.

1. POPOV, F. A., DMITRENKO, P. A.

2. USSR (600)

4. Chernozem Soils - Ukraine

7. Studying the fertility of the chernozem horizon below plowing depth in the Ukrainian S.S.R., Trudy UNDISOZ 6, 1951.

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

SPIVAK, M.S., golovnyy redaktor; BILOZUB, V.G., redaktor; VASILENKO, P.M., redaktor; ZORIN, I.G., redaktor; IL'CHENKO, I.K., redaktor; KOVAL', O.G., redaktor; KRILOV, O.F., redaktor; PUKHAL'S'KIY, A.V., redaktor; SIDORENKO, O.P., redaktor; FEDCHENKO, O.N., redaktor; ANGELINA, P.M., redaktor; BUZANOV, I.F., redaktor; BOYKO, D.V., redaktor; BURKATS'KA, G.E., redaktor; VASILENKO, A.O., redaktor; VLASYUK, P.A., redaktor; GORODNIY, M.G., redaktor; DEMIDENKO, T.T., redaktor; DUBKOVETS'KIY, F.I., redaktor; KIRICHENKO, F.G., redaktor; LITOVCHENKO, G.P., redaktor; OZERNIY, M.O., redaktor; PERSHIN, P.M., redaktor; POPOV, F.A., redaktor; POSMITNIY, M.O., redaktor; PSHENICHNIY, P.D., redaktor; RADCHENKO, B.P., redaktor; POMANENKO, S.S., redaktor; RUBIN, S.S., redaktor; SAVCHENKO, M.Kh., redaktor; SOKOLOVS'KIY, O.N., redaktor; TSIBENKO, K.O., redaktor; SHCHERBINA, O.P., redaktor; KRAVCHENKO, M.F., tekhnichniy redaktor

[Collective farm encyclopedia] Kolhospna vyrobnycha ensyklopediia. Vyd. 2-e, perer. i dop. Kyiv, Derzh.vyd-vo sil's'kohospodars'koi lit-ry URSR. Vol.1. Abrykos - Liutserna. 1956. 756 p. (MIRA 9:9)
(Agriculture--Encyclopedias and dictionaries)

POPOV, Fedor Andreyevich, kand.sel'skokhoz.nauk; VLASYUK, P.A., akademik, glavnyy red.

[Soil cultivation practices in the Ukraine] Systema obrabitku bruntu na Ukraini. Kyiv, 1959. 49 p. (Tovarystvo dlia poshyrennia politychnykh i naukovykh znan' Ukrains'koi RSR. Ser.6, no.17) (MIRA 13:1)
(Ukraine--Tillage)

POPOV F. A.

USSR / Soil Science. Cultivation. Improvement. Erosion J-5

Abs Jour : Ref. Zhur - Biologiya, No 17, 1958, No. 77448

Author : Popov, F. A.
Inst : Not given
Title : Creation of a Deep Fertile Arable Layer on Turf-Podzolic Soils

Orig Pub : V sb.: Vopr. razvitiya s. kh. Polos'ya Kiyev, AN USSSR, 1956 (1957), 5-18

Abstract : As a result of experiments carried out, the following measures are recommended to increase the fertility of turf-podzolic soils of the Ukrainskiy Poles'. Ploughing of sandy soils of the Koroston Experimental Field at a depth of 25-30 cm, with the introduction of 30-40 t/ha of manure (1946), increased the harvest of potatoes 30-50% in comparison with ploughing at a depth of the humus horizon (13 cm). Deep ploughing in tests of more connected

Card 1/2

Popov, F.A.

POPOV, F.A., prof. (Moskva)

Barofunction of the otorhinolaryngological organs and its clinical significance [with summary in English]. Vest.oto-rin. 19 no.5:42-47 S-O '57. (MIRA 10:11)

(EAR, MIDDLE, physiol.
baro-funct.)
(NASAL CAVITY, physiol.
same)
(EUSTACHIAN TUBE, physiol.
same)

POPOV, F.A.

STARCHENKO, V.F., golovnyy red.; KANEVS'KIY, O.P., red.; RUDNITS'KIY,P.V. red.; LUTSENKO, F.G., red.; BILOZUB, V.G., red.; PAVLENKO, M.K., red.; SVISTEL'NIK, A.N., red.; KHOTENKO, M.P., red.; ZADONTSEV, A.P., red.; POPOV, F.A., red.; DANILYUK, O.T., red.; TRITINCHENKO, A.P., red.; AKS'ONOV, G.G., tekhn.red.

[Agricultural manual for administrative personnel of province and district organizations, directors of machine-tractor stations, chairmen of collective farms and agricultural specialists] Posibnik po sel's'komu hospodarstvu dlia kerivnykh pratsivnykiv oblasnykh i raionnykh organizatsiy, dyrektoriv MTS, holiv kolhospiv i fakhivtsiv sil's'koho hospodarstva. Skladenyi za red.: V.F.Starchenka [and others] Holovnyi red.V.F.Starchenko. Kyiv, Derzh.vyd-vo sil's'kohospodars'koi lit-ry URSR. Book 1. 1946. (MIRA 11:1)
1269 p.
1. Chlen-korrespondent akademii nauk URSR (for Starchenko).
(Agriculture)

SPIVAK, M.S., glavnyy red.; BELOZUB, V.G., red.; VASILENKO, P.M., red.; ZORIN, I.G., red.; IL'CHENKO, I.K., red.; KOVAL', A.G., red.; KRYLOV, A.F., red.; PUKHAL'SKIY, A.V., red.; SIDORENKO, A.P., red.; FEDCHENKO, A.N., red.; ANGELINA, P.N., red.; BUZANOV, I.F., red.; BOYKO, D.V., red.; BURKATSKAYA, G.Ye., red.; VASILENKO, A.A., red.; VLASYUK, P.A., red.; GORODNIY, N.G., red.; DEMIDENKO, T.T., red.; DUBKOVETSKIY, F.I., red.; KIRICHENKO, F.G., red.; LITOVCHENKO, G.P., red.; OZERNYY, M.Ye., red.; PERSHIN, P.N., red.; POPOV, F.A., red.; POSMITNYY, M.A., red.; PSHENICHNYY, P.D., red.; RADCHENKO, B.P., red.; ROMANENKO, I.N., red.; RUBIN, S.S., red.; SAVCHENKO, M.Kh., red.; SOKOLOVSKIY, A.N., red.; TSYBENKO, K.Ye., red.; KOVAL'SKIY, V.F., tekhn.red.

[Practical collective farm encyclopedia] Kolkhoznaia proizvodstvennaia entsiklopediia. Izd. 2-oe, perer. i dop. Kiev, Gos. izd-vo sel'khoz. lit-ry USSR. Vol.2. Malina-Mashchur. 1957. 923 p. (MIRA 11:4)
(Agriculture--Dictionaries)

POPOV, F.A.

SPIVAK, M.S., glavnyy redaktor; BELOZUB, V.G., redaktor; VASILENKO, P.M., redaktor; ZORIN, I.G., redaktor; IL'CHENKO, I.K., redaktor; KOVAL', A.G., redaktor; KRYLOV, A.F., redaktor; PUKHAL'SKIY, A.V., redaktor; SIDORENKO, A.P., redaktor; FADCHENKO, A.N., redaktor; ANGELINA, P.N., redaktor; BUZANOV, I.F., redaktor; BOYKO, D.V., redaktor; BURKATSKAYA, G.Ye., redaktor; VASILENKO, A.A., redaktor; VLASYUK, P.A., redaktor; GORODNIY, N.G., redaktor; DEMIDENKO, T.T., redaktor; DUBKOVETSKIY, F.I., redaktor; KIRICHENKO, F.G., redaktor; LITOVCHENKO, G.P., redaktor; OZERNYY, M.Ye., redaktor; PERSHIN, P.N., redaktor; POPOV, F.A., redaktor; POSMITNYY, M.A., redaktor; PSHENICHNYY, P.D., redaktor; RADCHENKO, B.P., redaktor; ROMANENKO, I.N., redaktor; RUBIN, S.S., redaktor; SAVCHENKO, M.Kh., redaktor; SOKOLOVSKIY, A.N., redaktor; TSYBENKO, K.Ye., redaktor; KOVAL'SKIY, V.F., tekhnicheskiy redaktor

[Practical collective farm encyclopedia] Kolkhoznaia proizvodstvennaia entsiklopediia. Izd.2-oe, ispr. i dop. Kiev, Gos.izd-vo sel'khoz. lit-ry USSR. Vol.1. Abrikos - liutserna. 1956. 688 p. (MLRA 10:9)
(Agriculture--Dictionaries)

POPOV, P.A., professor

Vladimir Igant'evich Voiachek; 80th anniversary. Vest.oto-rin. 18 no.6:3-7 N-D '56. (MLRA 10:2)
(VOIACHEK, VLADIMIR IGNAT'EVICH, 1876-)

YUKHIMCHUK, F.P.[IUkhymchuk,F.P.], otv. red.; VISHINSKIY, O.M. [Vyshyns'kyi, O.M.], red.; GOLOMBA, R.A.[Holomba, R.A.] red.; DMITRENKO, P.O.[Dmytrenko, P.O.], doktor sel'khoz. nauk, red.; IL'YASHENKO, M.G.[Illiashenko, M.H.], red.; KOLOBOV, O.M., red.; KUKSIN, M.V., red.; LAZURSKIY, O.V. [Lazurs'kyi, O.V.], kand. sel'khoz. nauk, red.; POPOV, F.A., red.; SAMBUR, G.M.[Sambur, H.M.], red.; SAMTSEVICH, S.A.[Samtsevych, S.A.], red.; FEDOROVA, N.A., kand. sel'khoz. nauk. red.; YASHOVSKIY, I.V.[IAshovs'kyi, I.V.], red.

[Nutrition and fertilizers of farm crops] Zhyvlennia ta udobrennia sil's'kohospodars'kykh kul'tur. Kiev, Urozhai, 1964. 137 p. (MIRA 17:10)

1. Ukrains'kyy naukovo-doslidnyy instytut zemlerobstva.

YUKHIMCHUK, F.P.[IUkhymchuk, F.P.], otv. red.; VISHINSKIY, O.M. [Vyshyns'kyi, O.M.], red.; GOLOMBA, R.A.[Holomba, R.A.], red.; DMITRENKO, P.O.[Dmytrenko, P.O.], red.; IL'YASHENKO, M.G.[Illiashenko, M.H.], red.; KOLOBOV, O.M., red.; KUKSIN, M.V., red.; LAZURSKIY, O.V.[Lazurs'kyi, O.V.], red.; POPOV, F.A., red.; SAMBUR, G.M.[Sambur, H.M.], red.; SAMTSEVICH, S.A.[Samtsevych, S.A.], red.; FEDOROVA, N.A., red.; KATRENKO, K.A., red.

[Fertilizers and cultivation practices] Dobryva ta agrotekhnika. Kyiv, Urozhai, 1964. 160 p. (MIRA 17:12)

1. Kiev. Ukrains'kyi naukovo-doslidnyi instytut zemlerobstva.

LUN'KIN, Yu.P.; POPOV, F.D.

Nonequilibrium dissociation of a gaseous mixture behind a shock wave. Zhur. tekh. fiz. 31 no.6:726-730 Je '61. (MIRA 14:7)

1. Fiziko-tekhnicheskiy institut imeni A.F. Ioffe AN SSSR, Leningrad.
(Molecular dynamics) (Shock waves)

L 8920-65 EWT(1)/EPA(b)/FCS(k)/EWA(1) Pd-4 AFETR/ASD(p)-3/SSD/ASD(f)/AFTC(a)/
ASD(d)/ESD/AEDC(a)/AFWL S/0208/64/004/005/0896/0904
ACCESSION NR: AP4045713 RM

AUTHOR: Lun'kin, Yu. P. (Leningrad); Popov, F. D. (Leningrad) B

TITLE: Effect of nonequilibrium dissociation on supersonic flow over blunt bodies

SOURCE: Zhurnal vy*chislitel'noy matematiki i matematicheskoy fiziki, v. 4, no. 5, 1964, 896-904

TOPIC TAGS: supersonic flow, nonequilibrium dissociation, equilibrium dissociation, shock wave, chemical kinetics, integral relation method

ABSTRACT: A brief discussion is presented of two procedures used in the method of integral relation for the solution of supersonic flow over blunt bodies when function approximation is made 1) across the shock wave and 2) along the shock wave. Notwithstanding the difficulties of the first procedure in the case of nonequilibrium flow, this procedure was used by solving the second equation of motion without approximation. In the formulation of the problem, equations of chemical kinetics were added to the equations of motion, continuity, and conservation of energy. For simplicity, a diatomic gas with nondissociating additive is considered. The solution is sought by the second approximation for the case of an axisymmetric

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ACCESSION NR: AP4045713

body. Numerical calculations of flow over blunt bodies of various shapes were made by this method, with dissociative relaxation taken into account. Results of calculations for oxygen and nonequilibrium and equilibrium flows, presented in graphical form, show that the method is particularly suitable for flows over strongly blunted bodies, and also for bodies with surface discontinuity. The author thanks O. M. Belotserkovskiy for his valuable advice. Orig. art. has: 11 figures and 5 formulas.

ASSOCIATION: none

SUBMITTED: 25Feb64 ATD PRESS: 3110 ENCL: 00

SUB CODE: ME, AS NO REF SOV: 005 OTHER: 000

Card 2/2

LUN'KIN, Yu.P.; POPOV, F.D.

Effect of an impurity on the nonequilibrium dissociation of a two-atomic gas behind a shockwave. Zhur. tekh. fiz. 34 n.d: 1526-1530 Ag '64. (MIRA 17:9)

1. Fiziko-tekhnicheskiy institut imeni Ioffe AN SSSR, Leningrad.

L 58380-65 EWT(1)/EWP(m)/EWA(d)/EPR/FCS(k)/EWA(1). Pd-1 WW/RM
ACCESSION NR: AT5015702 UR/2563/65/000/248/0007/0013

AUTHOR: Lun'kin, Yu. P.; Popov, F. D.; Timofeyeva, T. Ya.; Lipnitskiy, Yu. M.

TITLE: Passing the singular points in numerical solutions of problems on supersonic flows past bodies

SOURCE: Leningrad. Politekhnicheskiy institut. Trudy, no. 248, 1965. Tekhnicheskaya gidrogazodinamika (Technical gas hydrodynamics), 7-13

TOPIC TAGS: supersonic gas flow, dissociating gas flow, equilibrium gas flow, steady gas flow, unsteady gas flow, shock wave, shock layer, blunt body

ABSTRACT: The parameters of a shock wave are discussed by adapting an approximate method developed by O. M. Belotserkovskiy for the analysis of flows past blunt bodies from the method of integral relations proposed by A. A. Dorodnitsyn. The authors present an approximate system of differential equations which determines the flow parameters across the shock layer and does not contain singular points. The pas-

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L 58380-65
ACCESSION NR: AP5015702

sage through these points is accomplished by using either the extrapolation of velocity derivatives, or the variation of parameters, or the method of continuous calculation. This system, which is very convenient for analysis of nonequilibrium flows, can be integrated with the desired degree of accuracy by conventional methods of numerical integration over the whole shock layer, including the region where the subsonic flow turns into supersonic. This system is supplemented by a system of algebraic equations analogous to the equations describing the transition through the shock wave. The solution of both systems for a perfect gas with a constant heat capacity is outlined, and the treatment of flows in which nonequilibrium dissociation and ionization take place is indicated. Numerous analyses of equilibrium and nonequilibrium flows past blunt bodies of arbitrary shapes have been performed by the proposed method and the results (in the first approximation) for flow parameters are shown in diagrams and are briefly discussed. These parameters include the shape of the shock waves and the temperature and pressure distributions over the surfaces of segment-shaped bodies and of a spherical segment in a flow of nonequi-

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L 58380-65
ACCESSION NR: AP5015702

librium dissociating oxygen at Mach number $M_\infty = 10$, pressure $p_\infty = 0.01$ atm, temperature $T_\infty = 290K$, and radius of curvature R = 1 cm. Orig. art. has: 7 figures and 6 formulas. [VK]

ASSOCIATION: Leningradskiy politekhnicheskiy institut (Leningrad Polytechnical Institute)

SUBMITTED: 00 ENCL: 00 SUB CODE: ME

NO REF SOV: 004 OTHER: 000 ATD PRESS: 4042

Card 3/3

L 15800-66 EWT(1)/EWP(m)/EWA(d)/FCS(k)/EWA(1)

ACC NR: AP6007070 SOURCE CODE: UR/0057/66/036/002/0239/0245

AUTHOR: Popov, F. D.

70
68
B

ORG: Physicotechnical Institute im. A. F. Ioffe, AN SSSR, Leningrad (Fiziko-tekhnicheskiy institut AN SSSR)

TITLE: On a scheme for the integral relations method in the problem of supersonic flow past blunted bodies

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 2, 1966, 239-245

TOPIC TAGS: aerodynamics, supersonic flow, approximation method, shock wave, detached shock wave

ABSTRACT: A new scheme is developed for using the method of integral relations for calculating supersonic flows past blunted bodies which consists in simultaneous approximation of functions along two directions. In this case, the initial system of partial differential equations is reduced to a certain approximating system of transcendental algebraic equations which is then solved numerically. A system of equations is derived according to the suggested scheme for the case of supersonic flow of an ideal gas with constant heat capacity past a sphere.

Card 1/2

L 15800-66

ACC NR: AP6007070

2

Some results of numerical calculations made for a wide renge of M_∞ and γ values are given in a graph and show that in spite of using the simplest approximation, the agreement with the exact results is good enough. The author expresses his thanks to O. M. Belotserkovskiy for the statement of the problem, and to Yu. P. Lun'kin for his constant interest and valuable discussion of the results. Orig. art. has: 3 figures and 23 formulas. [AB]

SUB CODE: 20/ SUBM DATE: 06May65/ ORIG REF: 005/ ATD PRESS: 4260

Card 2/2 SD

L 31132-66 EWP(m)/EEC(k)-2/EWP(k)/EWT(1)/T/EWA(1)/EWA(d) IJP(c) RM/WG/WW

ACC NR: AP6013122 SOURCE CODE: UR/0057/66/036/004/0661/0671

AUTHOR: Lun'kin, Yu. P.; Popov, F. D.

ORG: none

TITLE: Effect of vibrational dissociating relaxation on supersonic flows past blunted bodies

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 4, 1966, 661-671

TOPIC TAGS: supersonic aerodynamics, shock wave shape, sonic line, equilibrium flow, nonequilibrium flow, dissociation, relaxing flow, vibration relaxation

ABSTRACT: The effect of coupled vibrational relaxation and dissociation on supersonic gas flows over blunted bodies is investigated. The relaxation equations describing the simultaneous occurrence of vibrational relaxation and dissociation in a pure diatomic gas are derived in which both the effect of vibrational relaxation on the velocity of dissociation and the effect of dissociation on the variation of the mean vibrational energy are taken into account. An approximate scheme in the second approximation is presented for calculating flows with coupled excitation of nonequilibrium vibration-dissociation, based on the Dorodnitsyn method of integral relations and developed previously

Card 1/3

L 31132-66

ACC NR: AP6013122

by the author for flows with nonequilibrium dissociation. This scheme was applied to calculations of flows with various free-flow initial conditions and, for example, of supersonic flows of O_2 over a sphere of R_0 = 1 cm at M_∞ = 10, P_∞ = 0.01 atm and T_∞ = 290K. The shapes of shock waves and sonic lines are given in graphs for: 1) equilibrium flow, 2) flow with nonequilibrium dissociation, 3) flow with nonequilibrium dissociation and vibrations, and 4) "frozen" flow corresponding to γ = 1.4. They show that in the case of simultaneous vibrational relaxation and dissociation the shock wave is located somewhat farther from the body but nearer than in the case of "frozen" flow. The distributions of translational (T) and vibrational (T_v) temperatures along the zero streamline; the mean vibrational energy e across the shock layer on rays s = 0, 0.25, 0.50; and concentrations C_i on the same rays are determined and given in graphs. An analysis of the results shows that the effect of vibrational relaxation and dissociation on the velocity and pressure distribution is very weak, but is substantial on temperature profiles. The distributions of nondimensional temperature $T_0 = T/T_0$, where T_0 is the stagnation point temperature, given in a graph for various flows show that the drop of T_0 in the case of coupled vibration-dissociation can be 10% higher than the drop in the case of equilibrium flow and 5% higher than the drop in the presence of dissociation. It is pointed out that the intense expansion of gas in the supersonic region and the corresponding

Card 2/3

L 31132-66

ACC NR: AP6013122

temperature drop along the surface leads to T_0 tending toward T_0 for frozen flow, which is not the case when only nonequilibrium dissociation is taken into account. Orig. art. has: 6 figures and 29 formulas.

[AB]

SUB CODE: 20/ SUBM DATE: 09Jun65/ ORIG REF: 008/ OTH REF: 005
ATD PRESS: 4239

Card 3/3 /c

POPOV, F.G.

Asymmetric characteristics of regeneration following unilateral injuries of the forebrain in rabbits. Trudy Vses.ob-va fiziol. biokhim.i farm. 2:137 '54. (MLRA 8:7)

1. Kafedra normal'noy fiziologii Tomskogo meditsinskogo instituta im. V.M.Molotova.

(BRAIN, physiology,
eff. of prosecephalic unilateral lesions on regen. in rabbits, asymmetric responses)
(REGENERATION, physiology,
eff. of prosecephalic unilateral lesions in rabbits, asymmetric responses)

POPOV, F.G.

Pathways of the trophic effect of the forebrain on muscles of the extremities in frogs. Trudy Vses.ob-va fiziol.biokhim.i farm. 2: 137-140 '54. (MLRA 8:7)

1. Kafedra normal'noy fiziologii Tomskogo meditsinskogo institut im. V.M.Molotova.

(BRAIN, physiology,
eff. of prosencephalic excis. on musc. of extremities in frogs)
(MUSCLES, physiology,
eff. of prosencephalon excis. on musc. of extremities in frogs)

POPOV, F.G. (Leningrad)

Science conferences. Vop.ist.est.i tekh. no.12:247-249 '62.
(MIRA 15:4)
(Science--Societies, etc.)

POPOV, F.I.

Ratchet wheel for frame saws. Rats.i izobr.predl.v stroi. no.50: 7 '53. (MLRA 7:2)
(Saws)

VORONAZOV, A.S.; POPOV, F.I.

Electric gun for welding plastics. Mashinostroitel' no. 1:27 Ja '66 (MIRA 19:1)

ZAIKIN, A.V.; [illegible]

Coreless boring of geological prospect holes. Razved. i okh. nedr (MIRA 17:1)
30 no.9:50-52 S '64.

1. Nikolayevskaya geologorazvedochnaya partiya.

ACC NR: AP6035746 (A) SOURCE CODE: UR/0413/66/000/019/0109/0109

INVENTORS: Balandin, M. P.; Volosatov, A. K.; Antonenko, I. Ya.; Bushtets, P. P.; Zhirnov, A. I.; Ivanov, Yu. V.; Kruglyakov, M. L.; Mordukhovich, A. I.; Popov, F. K.; Smetnev, S. D.; Fanfaroni, F. I.; Shcherbakov, A. M.; Krivoshey, M. N.

ORG: none

TITLE: A device for broadcasting pesticides and meliorating substances. Class 45, No. 186787 [announced by All-Union Scientific Research Institute for Mechanization of Agriculture (Vsesoyuznyy nauchno-issledovatel'skiy institut mekhanizatsii sel'skogo khozyaystva)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 19, 1966, 109

TOPIC TAGS: agricultural machinery, agricultural engineering, broadcasting operation, pesticide, fertilizer

ABSTRACT: This Author Certificate presents a device for broadcasting pesticides and meliorating substances. The device contains a tank divided into sections, broadcasting mechanisms, receiving chambers of the fertilizer duct, and a driving mechanism. To provide for a uniform broadcasting of a material, the broadcasting mechanisms are made in the shape of cones mounted on a common shaft carrying a spiral with the opposite direction of coil loops. Every revolving cone may be spring loaded and may

UDC: 631.333.9

Card 1/2

ACC NR: AP6035746

be contained, together with a receiving chamber, in a common casing.

SUB CODE: 02, 06/ SUBM DATE: 23Apr65

Card 2/2

POPOV, F.M.

Problem of measuring the specific inductive capacitance of good conducting materials. (semiconductors). Radiotekh. i electron 1 no.9:1268-1271 S '56. (MLRA 10:1)
(Semiconductors)

POPOV, F.M.

KIR'YASHKINA, Z.I.; POPOV, F.M.; BILENKO, D.I.; KIR'YASHKIN, V.I.

Investigation of the dielectric permeability of semiconductors. (MLRA 10:2)
Zhur.tekh.fiz. 27 no.1:85-89 Ja '57.

1. Saratovskiy Gosuniversitet im. N.G. Chernyshevskogo, Saratov.
(Semiconductors) (Dielectric constants)

Popov, P. M.

Distr: 4E4c

✓Measuring the dielectric constant of good conductors (semiconductors). P. M. Popov. *Radiotekh. i Elektron.* 1, 1208-71(1956).—The dielec. consts. of binary systems of a semiconductor and a dielec. of known ϵ were measured. A comparison was made of the measured and calcd. values of the dielec. const. of the systems by using 4 different equations. The following systems were studied: marble-air; talc-air; table salt-air; glass-paraffin (I); CuO-I; ZnS-I; CdS-I; ZnTe-I; HgS-I; HgSe-I; and SnSb-I. Approx. linear formulas were derived, the simplest of which is $\epsilon_{12} = p\epsilon_1 + p\epsilon_2$ where ϵ_{12} is ϵ of the mixt. and p is the vol. concn.

J. M. Widom

2
1

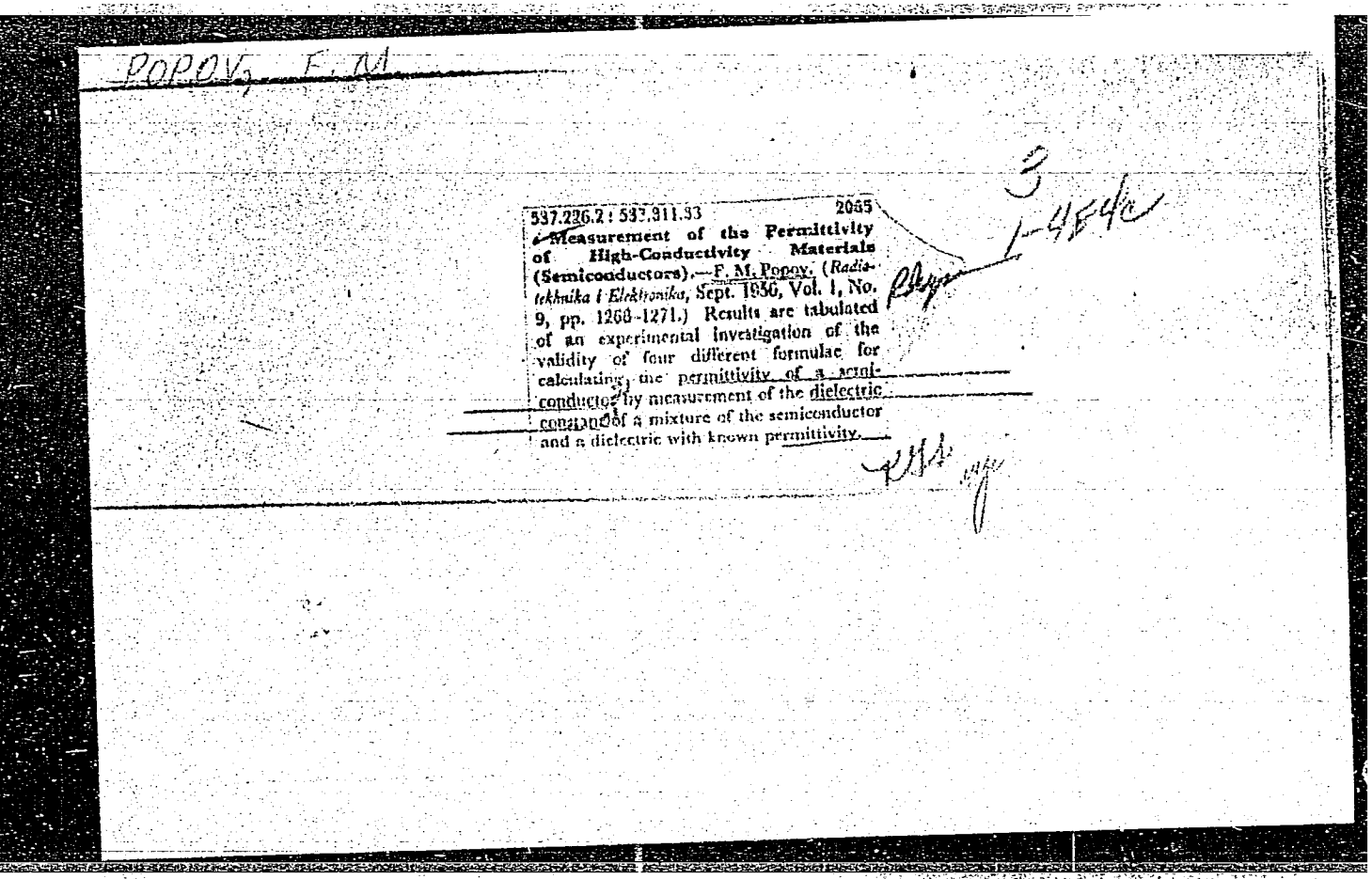
POPOV, F.M.

6.
4E4c - 1
1.4E

8587. AN INVESTIGATION OF THE DIELECTRIC CONSTANT OF SEMICONDUCTORS
E.I.Kir'yashkina, F.M.Popov, O.I.Blenko and V.I.Kir'yashkin.
Zh. tekh. Fiz., Vol. 27, No. 1, 85-9 (1957). In Russian.

(1) Powder compacts were made with various pressures of the following high-resistivity semiconductors: WO_3, PbO, CuO, Ni_2O_3, Co_2O_3, ZnO, V_2O_5, Cu_2O, Na_2WO_4. For each its dielectric constant (ϵ) as measured in the centimetre region and the variation of ϵ with formation pressure (i.e. with density) are tabulated. For comparison, the table includes ϵ for Cu_2O prepared by direct oxidation and measured in the same apparatus. (2) By means of a method involving the measurement of ϵ for a mixture of semiconductor with a pure dielectric, ϵ was measured for the following high-conductivity semiconductors: ZnS, CdS, ZnSe, ZnTe, CdSe, CdTe, HgS, HgSe, HgTe, SnSb. Results are also given in tables.

A.F.Brown



POPOV, F. M.

537.226.2 : 537.311.33 2085

Measurement of the Permittivity of High-Conductivity Materials (Semiconductors).—F. M. Popov. (*Radiotekhnika i Elektronika*, Sept. 1956, Vol. 1, No. 9, pp. 1268–1271.) Results are tabulated of an experimental investigation of the validity of four different formulae for calculating the permittivity of a semiconductor by measurement of the dielectric constant of a mixture of the semiconductor and a dielectric with known permittivity.

POPOV, F. M.

"On the Question of Measuring the Dielectric Permittivity of Well Conducting Materials (Semiconductors)," by F. M. Popov, Radiotekhnika i Elektronika, No 9, Sep 56, pp 1268-1271

This article, which was presented at the All-Union Conference of Semiconductors held in Leningrad, November 1955, gives the results of a method for measuring the dielectric permittivity of semiconductors. The method is based on measuring the dielectric permittivity of a mixture consisting of the semiconductor, whose permittivity is to be determined, and a dielectric of known permittivity.

Sum 1274

POPOV, F.M.

CARD 1 / 2 PA - 1994

SUBJECT USSR / PHYSICS
AUTHOR KIR'JAŠKINA, Z.I., POPOV, F.M., BILENKO, D.I., KIR'AŠKIN, V.I.
TITLE The Investigation of the Dielectricity Constant of Semiconductors.
PERIODICAL Žurn. techn. fis. 27, fasc. 1, 85-89 (1957)
Issued: 2 / 1957

In the laboratory of the University of Saratov various methods were employed for measuring the dielectricity constant of semiconductors. The present work deals with the results of part of these investigations.

Measuring the dielectricity constant os semiconductors in the centimeter range: By the method of free waves the dielectricity constants of the following semiconductors were measured: WO_3, PbO, CuO, SnO_2, Ni_2O_3, Co_2O_3, ZnO, V_2O_5, Cu_2O, Na_2WO_4. The method of free waves consists in watching the interference image in the space between the radiation source (with monochromatic radiation) and the sample under investigation. As a source of undamped electromagnetic oscillations a magnetron generator was used which furnishes oscillations with the wavelength 5 cm. The conditions for the production of samples exercise essential influence on their density and also upon their dielectricity constant. With increasing pressure the density of the samples and also that of the dielectricity constant increase. Therefore the value of the dielectricity constant found on the samples which were pressed from semiconductor powder can hardly be considered as a value that characterizes the properties of the given material. Following a suggestion made by A.F.IOFFE the notion "specific dielectricity constant" was introduced: $\varepsilon_{sp} = \varepsilon/\varrho$. Here ε and ϱ denote the

POPOV, F.S., inzh.

In reference to the article "Cord wiring." Energetik 7 no.2:32-33 F '59. (MIRA 12:1)
(Electric wiring)

POPOV, F.S., inzh.

Concerning the classification of valve-type and tubular dischargers. Vest. elektroprom. 32 no.5:70-71 My '61. (MIRA 15:5)

(Electric power distribution)
(Electric protection)

SOV/91-59-6-18/33

8(3)

AUTHOR: Popov, F.S., Engineer

TITLE: On the Construction of 6 to 10 KV Mast Substations

PERIODICAL: Energetik, 1959, Nr 6, pp 22-23 (USSR)

ABSTRACT: As a rule, the transformer substations of high-voltage 6 to 10 kw overhead power lines are of the open, mast type, and rest on gantry supports. The high-voltage fuses, three-pole disconnector and the dischargers are mounted above the transformer, which greatly inconveniences the access to the latter. The author suggests abandoning this practice and mounting the disconnector on an A-shaped end support described in the album "T-420" of the Giprosel'elektro.

Card 1/1

ZYRYANOV, K.V.; POPOV, F.S.; PYATKIN, V.Ye.; STANKEVICH, V.V.

Work practices of I.P.Kanavin's brigade at the "Komsomolets" mine of the Kuzbassugol' Combine. Ugol' 40 no.6:15-17 Je '65. (MIRA 18:7)

POPOV, F.S., ENG.

Electric Machinery - Testing

Instrument for disclosing defects in windings of electric machines. Rab. energ. 2 no. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, ~~December 1952 1953~~, Uncl.

ROKHLIN, G.N., kand.tekhn.nauk; POPOV, F.S., inzh.; SKOBELEV, V.M., kand. tekhn.nauk; PLIS, G.S.

Increasing the economic efficiency of electric lamps. Standartizatsiia 22 no.3:67-69 My-Je '58. (MIRA 11:7)

1.Vsesoyuznyy nauchno-issledovatel'skiy svetotekhnicheskiy institut (for Rokhlin). 2.Nachal'nik otdela elektrotekhniki i svyazi komiteta standartov, mer i izmeritel'nykh priborov (for Plis).
(Electric lamps--Standards)

AUTHOR: Popov, F. S., Engineer SOV/91-59-2-24/33

TITLE Regarding the Article "About Cord Wiring" (Po povodu stat'i " O shnurovoy provodke")

PERIODICAL: Energetik, 1959, Nr 2, pp 32 - 33 (USSR)

ABSTRACT: The author supports the suggestion of Technician V. S. Zaytsev, published in Energetik, 1958, Nr 8, to replace open cord wiring in multi-flat residential houses and in large administration buildings by cord wiring hidden in the walls. In a footnote, the editor expresses his concurrence and suggests PR and PPV cords for that prupose, emphasizing the greater convenience and fire security of hidden wiring.

Card 1/1

28-58-3-23/39

AUTHORS: Rokhlin, G.N., Candidate of Technical Sciences; Popov, F.S. Engineer; Skobelev, V.M., Candidate of Technical Sciences; Plis, G. S.

TITLE: On the Problem of Improving the Economy of Electric Light Bulbs (O povyshenii ekonomichnosti osvetitel'nykh elektrolamp) Comments on the Article by Ya.S. Zapolyanskiy (Otkliki na stat'yu Ya.S. Zapolyanskogo)

PERIODICAL: Standartizatsiya, 1958, Nr 3, pp 67 - 69 (USSR)

ABSTRACT: These are three separate letters containing critical remarks on the article "Ways of Improving the Economy of Light Bulbs" by Ya.S. Zapolyanskiy, published in "Standartizatsiya", 1958, Nr 2. Some of the recommendations made by Zapolyanskiy are questioned and refuted. Following the letters, the Chief of the Department for Electrical Engineering and Communication of the Committee of Standards, Measures and Measuring Devices G.S. Plis informs that the "GOST 2239-54" standard for light bulbs will be subject to revision in 1958-1958. The suggestions presented by all four authors (Zapolyanskiy, Rokhlin, Popov and Skobelev) will be considered. The preparation of the new "GOST" standard has not yet begun. G.S. Plis says that Gosudarstvennyy Komitet po radioelektronike (State Committee for Radio-Electronics) must organize this work and distribute it among separate organiza-

Card 1/2

28-58-3-23/39

On the Problem of Improving the Economy of Electric Light Bulbs. Comments on the Article by Ya.S. Zapolyanskiy

tions. There is 1 table, and 1 graph.

ASSOCIATIONS: Vsesoyuznyy nauchno-issledovatel'skiy svetotekhnicheskiy institut (All-Union Scientific Research Institute of Lighting Engineering); Otdel elektrotekhniki i svyazi Komiteta standartov, mer i izmeritel'nykh priborov (Department for Electrical Engineering and Communication of the Committee of Standards, Measures and Measuring Devices)

Card 2/2 1. Incandescent lamps--Standards

POPOV, F.S., inzhener

Electric lighting of agricultural machines. Svetotekhnika 1 no.5: 25 0'55. (MLRA 8:12)

1. Saratovgiprogorsel'stroy
(Electricity in agriculture)

POPOV, F.S., inzhener.

Joining wires at leads to buildings. Energetik 4 no.8:30 Ag '56. (MLRA 9:10)
(Electric wiring)

POPOV, F.S., inzh.; SAFRAZBEKYAN, G.S., inzh.; KALININA, M.S., inzh.

Concerning T.P. Musatov's article "Saving of control cables." Elek. sta. 32 no.11:93 N '61. (MIRA 14:11)
(Electric cables) (Musatov, T. P.)

POPOV, Fedor Vsevolodovich

[Rout of Denikin's forces near Orel; the notebook of a brigade commander] Razgrom denikintsev pod Orlom; iz zapisok kombriga. Orel, Orlovskoe knizhnoe izd-vo, 1959. 57 p. (MIRA 14:4)
(Russia--Revolution, 1917-1921)

POPOV, G.; KONSTANTINOPOL'SKIY, I.

Decentralized procedure for payment of deductions from profits. Fin.SSSR 16 no.1:50-52 Ja '56. (MLRA 9:5)

1. Nachal'nik otdela gosudarstvennykh dokhodov Moskovskogo gorodskogo finansovogo upravleniya (for Popov); 2. Nachal'nik sektora gosudarstvennykh dokhodov Sokol'nicheskogo rayonnogo finansovogo otdela Moskvy (for Konstantinopol'skiy).
(Finance)

POPOV, G., dots.

Surgical technic in pneumonectomy. Nauch. tr. Med. akad. Chervenkov, Sofia 1 no.1:179-189 1953.

1. Predstavena ot dots. G.Popov, zaveidhdashch Katedrata po fakultetska khirurgiia.
(LUNGS, surgery,
pneumonectomy, modified technic)

POPOV, .G.

Treatment of typhoid fever and dysentery with Soviet antibiotics synthomycetin and levomycetin. Suvrem. med. Sofia 5 no.3:55-59 1954.

1. Iz Klinikata po terapiia na vutr. bolesti pri Meditsinskata akademiia V.Chervenkov, Sofiia (direktor: prof. A.Pukhlev) i Infektsioznoto otdelenie pri Durzh. bolnitsa, Tirana.

(TYPHOID FEVER, therapy,
chloramphenicol)
(DYSENTERY, BACILLARY, therapy,
chloramphenicol)
(CHLORAMPHENICOL, therapeutic use,
dysentery, bacillary, & typhoid fever)

POPOV, G., dots.

Obstruction of the bile ducts following duodenal fistula.
Suvrem. med., Sofia 5 no.9:91-97 1954.

1. Iz Fakultetskata khirurgichna klinika pri Meditsinskata akademiia Vulko Chervenkov, Sofiia. Vr. zav. katedrata: dots. G.Popov.

(DUODENUM, fistula,
causing biliary obstruct.)
(BILE DUCTS, diseases,
obstruct. in duodenal fistula)
(FISTULA,
duodenal, with biliary obstruct.)

POPOV, G., zavezhdashch katedrata, dots.

Section of the blood vessels in pneumonectomy. Khirurgiia, Sofia 7 no.9:521-528 1954.

1. Meditsinska akademiia V.Chervenkov, Sofiia. Fakultetska khirurgichna klinika. Zavezhdashch katedrata: dots. G.Popov.
(LUNGS, surgery
pneumonectomy, section of blood vessels)

POPOV, G.; NIKOLOV, N.; LAZAROV, B.

Total gastrectomy in cancer of the lesser curvature. Khirurgiia, Sofia 7 no.10:586-596 1954.

1. Zav. katedrata, dots. Fakultetska khirurgichna klinika (for Popov) Kurdzhiev, B., zav. katedrata: prof. Patologoanatomichen institut Meditsinska Akademiia V.Chervenkov, Sofiia.

(STOMACH, neoplasms,
surg., total gastrectomy in cancer of lesser curvature)

BELCHEVA, M.; IVANOVA, I.; POPOV, G.

Blood picture in newborn infants at term and role of residual blood in formation of physiologic jaundice and modification of blood picture. Khirurgiia, Sofia 8 no.3:225-231 1955.

1. Vissh.meditsinski institut V. Chervenkov-Sofiia katedra po akusherstvo i ginekologiia

(BLOOD,
picture in newborn, role of residual blood)
(INFANT, NEWBORN, physiology,
blood picture & role of residual blood)

POPOV, G., Dots.

Ganglion blocking agents in pulmonary embolism in agonal conditions. Suvrem. med., Sofia 7 no.1:61-64 1956.

1. Iz fakultet. khirur. klin. pri vmi V. Chervenkov--Sofiia (Direktor: dots. G. Popov).

(PULMONARY EMBOLISM AND THROMBOSIS, therapy, ganglion blocking agents in agonal states. (Bul))

(AUTONOMIC DRUGS, therapeutic use, pulm. embolism in agonal cond. (Bul))

POPOV, G.

Our "cobbler's" suture and our vasofixator in pulmonary surgery. Vest.khir. 77 no.3:120-123 Mr '56. (MLRA 9:7)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - kaf. - dots. G.Popov) Sofiyskogo Vysshego meditsinskogo instituta imeni V.Chervenkova.

(LUNGS, surg.
resection, cobbler's suture & vasofixator)
(SUTURES
cobbler's suture in pulm. resecton)
(SURGERY, OPERATIVE, appar. and instruments
vasofixator in pulm. resection)

FOTOV, I.g. prof.; MATEEV, V-s., dotsent; IANKOV, Iv.

Stomatic surgery in aging patients. Khirurgiia 17 no.2: 215-218 '64.

1. Iz Katedrata po fakultetska khirurgiya pri VMI [Visshi meditsinski institut] - Sofiia.

POPOV, G., inzh.

The dome of the festival hall in Frankfurt. Stroitelstvo
11 no. 3:30-31 My-Je '64.

POPOV,G., prof.

Apropos of intestinal interposition of "stomach substitution" following total gastrectomy. Khirurgiia (Sofiia) 17 no.1: 29-37 '64.

1. Vissh meditsinski institut, Sofiia, katedra po khirurgichni zaboliavaniia s urologiia. Rukovoditel: prof. G.Popov.

DJAKOV, E. [Dzhakov, E.]; GRIGOROV, G.; POPOV, G.

Frequency dependence of ignition voltage at the electrodeless discharge in a toroid. Doklady BAN 16 no.3:245-248 '63.

MONEV, G; POPOV, G.; STOINOVA, Vl.

Preparation of MgO from dolomite. Godishnik Inst khim prom. 2: 21-29 '63.

A possibility of increasing concentration of $CaCl_2$ waste solutions in the production of soda by the Solvey method. 43-47

POPOV, G. (g. Krasnoyarsk)

For agriculture. NTO no.1:9 Ja '59.

(MIRA 12:2)

1. Predsedatel' zavkoma profsoyuza Krasnoyarskogo zavoda samokhodnykh kombaynov.

(Krasnoyarsk--Combines (Agricultural machinery))

FEFILOV, V.V.; CHISTOV, I.F.; BOGOYAVLENSKAYA, V.N.; Prinimali uchastiye: POPOV, G.A., rabotnik; LARINA, Ye.M., rabotnitsa; MAKLOVA, A.F., rabotnitsa

Utilization of white pigment and sewage waters of the Dmitriyevsk Wood Chemical Plant. Sbor.trud.TSNILKHI no.14: 60-73 '61. (MIRA 16:4)

1. Dmitriyevskiy lesokhimicheskiy zavod (for Popov, Larina, Maklova).

(Makeyevka--Wood using industries--By-products)
(Fertilizers)

POPOV, G.

New apparatus. Pozh.delo 9 no.1:25 Ja '63. (MIRA 16:1)
(Fire extinction—Chemical systems)

POPOV, G.

Enthusiasm and thrift. Za rul. 21 no.3:3 Mr '63.
(MIRA 16:4)

1. Predsedatel' soveta samodeyatel'nogo sportivno-tekhnicheskogo kluba, Rostov-na-Donu.

(Rostov-on-Don--Motor vehicles--Societies, etc.)

KAPUSTIN, Ye.I., kand.ekon.nauk; LAVROV,V.V.; RYUMIN, S.M.; KONSTANTINOV, Yu.A.; PRAVDIN, D.I., kand.ekon.nauk; KIRILLOVA, N.I.; RIMASHEVSKAYA, N.M.; ANTROPOV, B.F.; RYABKOV, F.S.; POPOV, G.A.; DEM'YANOVA, V.A.; SMOLYAR, I.M.; ACHARKAN, V.A., kand. yurid.nauk; BRONER, D.L.; SHEPTUN, Ye.V.; KRYAZHEV, V.G.; ALESHINA, F.Yu., kand. ekon. nauk; KUZNETSOVA, N.P.; MARKOVICH, M.B.; BIBIK, L.F.; BUDARINA, V., red.; GRIGOR'YEVA, I., mladshiy red.; CHEPELEVA, O., tekhn. red.

[Public consumption funds and improving the welfare of the people in the U.S.S.R.]Obshchestvennye fondy i rost blagosostoianiia naroda v SSSR. Moskva, Sotsekgiz, 1962. 222 p. (MIRA 15:6)
(Cost and standard of living)

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