STARIK, I.Ye. [deceased]; GINZBURG, F.L.; RAYEVSKIY, B.N.

Diffusion method for studying radioisotopes. Part 3: Coefficients of diffusion of $Sr^{(II)}$, $Ce^{(III)}$, $Am^{(III)}$, $Th^{(IV)}$, $Pu^{(IV)}$, and $Np^{(V)}$. Radiokhimiia 6 no.4:496-498 '64. (MIRA 18:4)

L 22537-65 EWT(m)/EPF(c)/EPA(w)-2/EWP(j)/T/EWP(t)/EWP(b) Pc-4/Pr-4/Pab-10
DIAAP RWH/RM/WW/JD

ACCESSION NR: AP4043549 S/0020/64/157/004/0926/0929

AUTHORS: Starik, I.Ye. (Corresponding member AN SSSR, Deceased); Ginzburg, F. L.; Rayevskiy, B. N. 19 B

TITLE: A study of the state of radioactive isotopes in extremely dilute solutions by a diffusion method

SOURCE: AN SSSR. Doklady, v. 157, no. 4, 1964, 926-929

TOPIC TAGS: diffusion, diffusion coefficient, radioactive isotope, Pu (IV), Zr (IV), Th (IV), Ce (III), Am (III), Cs (I), Sr (II), Cs^{137}, Sr^{90}, Ce^{144}, Th^{234}, mean ionic charge, polymerization, hydrolytic polymerization product, viscosity, colloidal polymer

ABSTRACT: The diffusion coefficients of Pu (IV), Zr (IV), Th (IV), Ce (III), Am (III), Cs (I) and Sr (II) were measured and these values were used in studying the hydrolytic polymerization products and determining the mean ionic charge of the isotopes Cs^{137}, Sr^{90}, Ce^{144}, and Th^{234}. Measurements were made by the open tube capillary method described by J.S. Anderson, K. Saddington (J. Chem. Soc., 1949, 381). The pH of the solutions was adjusted to counteract adsorption onto the capillary wall: for Pu (IV) and Zr (IV)-- no less

Card 1/#3

L 22537-65
ACCESSION NR: AP4043549

than 1 molar; for Th (IV), Ce (III), Am (III)-- not under pH 2; for Cs (I), Sr (II)-- up to pH 11.5. Comparison of the diffusion coefficients for Pu (IV) and Ce (III) obtained above with values obtained by a method described by I.Ye. Starik and A.I. Yurtov (Radiokhimiya, 6, 4 (1964)) indicated the two methods yielded similar results. Viscosities were measured with an Ostwald viscosimeter; temperatures were 25.0 ± 0.05C; all concentrations were under 1×10^{-5} gm. ion/l. Plotting the change in D /T (which was considered to show the change in the radius of the diffused particle) vs. acidity of the solution (fig. 1) showed polymerization occured at about 0.3 M HCl for Zr (IV), at pH 1.4 for Pu (IV) and pH 3.7 for Th (IV). Solubility products were determined: $Th(OH)_4$ -- 1×10^{-46}, $Pu(OH)_4$ -- 1×10^{-55}, and $Zr(OH)_4$--1×10^{-59}. The polymers reached colloidal dimensions at a slightly lower hydrogen ion concentration than that at which the solubility product was reached. The coefficient of diffusion of zirconium in alkaline solutions showed it formed negatively charged particles beyond pH 7.5. Changing the $[H^+]$ from 0.3 to 3 moles/l. did not cause any change in the rate of Zr and Th diffusion. This was assumed to confirm that ion mobility in dilute solutions is determined by the solvent structure. The

Card 2/4

L 22537-65

ACCESSION NR: AP4043549

increase in D /T for Sr (II), Ce (III) and Pu (IV) in more concentrated solutions was considered due to non-ideal solution and ion dehydration or change in complex composition. The relative decrease in the diffusion coefficients of ions on increasing their concentration from 10^{-5} to 10^{-3} gm. ions/l. was determined. Extrapolation of the $D_{\eta}/T - \sqrt{C_{H^+}}$ curves to zero $[H^+]$ gave values for the diffusion rates of Ce (III) and Sr (II) very close to values obtainable by the Nernst equation. The mean charge was calculated for the following ions, based on the Nernst equation and on correlation of experimental data: Sr (II) $\simeq$2.0; Ce (III) $\simeq$ 3.0; Th (IV) $\simeq$ 2.4; Zr (IV) $\simeq$ 0; Pu (IV) $\simeq$ 2.2. It was concluded that the relationship between the diffusion coefficient and the concentration of the diffused ion may be used to determined its mean charge in dilute solutions. Orig. art. has: 2 figures and 1 equations.

ASSOCIATION: None

SUBMITTED: 25Mar64

ENCL: 01

SUB CODE: IC, GC

NR REF SOV: 014

OTHER: 010

Card 3/4

LYTKIN, M.I.; GINZBURG, F.L.

Reimplantation of the skin in surgical management of combined wounds of the soft tissue under experimental conditions. Eksper. khir. 5 no. 2:58-59 Mr-Ap '60. (MIRA 14:1)
(SKIN GRAFTING)

STARIK, I. Ye.; GINZBURG, F. L.

State of microquantities of radioelements in solutions. Part 16: Study of the state of americium by means of ion exchange. Radiokhimiia 3 no.1:45-51 '61. (MIRA 14:3)
(Americium)

SOV/137-59-1-1352

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 180 (USSR)

AUTHORS: Sirota, N. N., Ginzburg, F. N.

TITLE: A Study of the Physical Properties of Bi-Sb Alloys (Izucheniye fizicheskikh svoystv splavov vismuta s sur moy)

PERIODICAL: Sb. nauchn. tr. Mosk. in-t tsvetn. met. i zolota. Nauchno-tekhn o-vo tsvetn. metallurgii, 1957, Nr 30, pp 283-291

ABSTRACT: Physical properties (thermoelectric power, electrical resistivity hardness, microhardness, and modulus of elasticity) of 19 Bi-Sb alloys were studied. The composition of the alloys varied from 0 to 100% in increments of 5 atom·%. Rod-shaped specimens 4 mm in diameter obtained by casting in a graphite mold were annealed at a temperature of 240°C for a period of 2 weeks. The shape of the hardness and microhardness curves is typical of systems which form a continuous series of solid solutions. The maxima of these curves correspond to an alloy containing 80% Sb and 20% Bi. A well-defined maximum corresponding to an alloy with a composition of 15% Sb and 85% Bi is observed in curves representing the electrical resistivity and the thermoelectric power as functions of the concentration of

Card 1/2

A Study of the Physical Properties of Bi-Sb Alloys

the constituents. A slight deviation from additive behavior was observed in the curve "modulus-of-elasticity vs. concentration". In alloys containing 20-30% Sb a certain maximum is observed which coincides with the maxima on the curves of electrical resistivity and thermoelectric power.

V. G.

GINZBURG, A.S.; TSVETAYEVA, Ye.M.; PAYATSYK, V.V., redaktor; BENENSON, A.N., redaktor; ROZEN, E.A., tekhnicheskiy redaktor

[Let us increase the production of potatoes and vegetables; an annotated bibliography] Uvelichim proizvodstvo kartofelia i ovoshchei; annotirovannyi ukazatel' literatury. Moskva, Gos. izd-vo kul'turno-prosvetitel'noi lit-ry, 1956. 36 p. (MLRA 9:11)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina.
(Bibliography--Potatoes)
(Bibliography--Vegetable gardening)

GINZBURG, F.S.; YEGOROV, V.I., redaktor; BENKNSON, A.N., redaktor; YELAGIN, A.Ye., tekhnicheskiy redaktor

[More fruit, berries, and grapes; annotated bibliography] Bol'she plodov, iagod i vinograda; annotirovannyi ukazatel' literatury. Moskva, Gos. izd-vo kul'turno-prosv. lit-ry, 1956. 63 p. (MLRA 10:4)

1. Moscow. TSentral'naya nauchnaya sel'skokhozyaistvennaya biblioteka.
(Bibliography--Fruit culture)

PARKHOMENKO, Ye.V.; GINZBURG, F.S.

[Bibliography of the works of I.V. Michurin and the literature about him] Bibliografiia trudov I.V. Michurina i literatura o nem. [Sostavilteli E.V. Parkhomenko i F.S. Ginsburg] Moskva, Gos. izd-vo sel'khoz. lit-ry, 1958. 246 p. (MIRA 11:10)
(Bibliography--Michurin, Ivan Vladimirovich, 1855-1935)

GINZBURG, G.

Housing

Increased activity of those with laborsaving ideas, Zhil.-kom.khoz. 2 No. 3, 1952

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

MIRKIN, I.; GINZBURG, G.

Production potentialities in operation. Zhil.-kom.khoz. 4 no.4: 22-26 '54. (MLRA 7:7)

1. Glavnyy inzhener Saratovskogo zavoda gazovoy apparatury (for Mirkin) 2. Nachal'nik planovo-proizvodstvennogo otdela (for Ginsburg)
(Faucets)

GINZBURG, G.

Girl radio operators. Radio no.7:9 Jl '56. (MLRA 9:9)

1.Nachal'nik radiostantsii Vitebskogo radiokluba (UC2KAS)
(Radio clubs)

GINZBURG, G. A.

Ginzburg, G. A. - "Against limitations in the choice of cartographic projections", (Some notes in connection with the article by A. K. Malovichko in the same issue of the "Sbornik"), Sbornik nauch.-tekhn. i proizvod. statey po geodezii. kartografii, topografii, aeros"yemke i gravimetrii, Issue 21, 1948, p. 97-99.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

GINZBURG, G. A.

Ginzburg, G. A. - "On certain basic problems in mathematical cartography", Sbornik nauch.-tekhn. i priozvod. statey po geodezii, kartografii, topografii, aeros"yemke i gravimetrii, Issue,22, 1948, p. 91-102, - Bibliog: 20 items.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 19, 1949).

GINZBURG, G. A.

23915 GINZBURG, G. A. Psevdotsilindricheskaya Proyektsiya TsNIIGAiK. Sbornik nauch. - Tekhn. I Proizvod. Statey Po Geodezii, Kartografii, Aerosyemke I Gravimetrii, VYP. 24, 1949, S. 68-72.

SO: Letopis, No. 32, 1949.

GINZBURG, G. A.

21363 GINZBURG, G. A. Issledovaniya tsentral'nogo nauchno-issledovatel'skogo instituta geodezii, aeros"emki i kartografii (Tsniiga, k) Po matematicheskoy kartografii. Trudy vtorogo vsesoyuz. Geogr. S"ezda. T. III. M., 1949, S. 26-33.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949.

GINZBURG, G. A.

21364 GINZBURG, G. A. K voprosu O sovremennom sostoyanii I putyakh razvitiya matematicheskoy kartografii. Voprosy geografii, SB. II 1949, S. 39-52.

SO: Letopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949.

GINZBURG, G. A.

Matematicheskoe obosnovanie kart kompleksnykh mirovykh geograficheskikh atlasov /Mathematical basis of maps of comprehensive geographic atlases of the world/. Moskva, Geodezizdat, 1952. 140 p.

SO: Monthly List of Russian Accessions, Vol. 6, No. 5, August 1953.

GINZBURG, G. A.

"Profile of Displacement of Firs and Oaks in Belorussian SSR"
Izv. AN BSSR, No 5, 193-195, 1953

The method of profiles was employed to clarify geographical differences in the state of forests according to species and in connection with the taxation formula of leskhoz plantings, etc. The profile was carried out along 28° East Longitude, dividing Belorussian SSR into equal parts and cutting the 12 leskhozes. The fir parts (in percent of forest cover) from north to south falls from 40.0 to 0.58%, and the oak increases from 0.1 to 9.24-10.23%. (RZhGeol, No 3, 1954)

SO: W-31187, 8 Mar 5

GINZBURG, G. A.

"New Variants of Polyconic and Z Azimuthal Projections"
Sb. ref. Tsentr. n-i. in-ta geod., aeros'yemki i kartogr., No 2, 1954, 76-78

A brief description of two new polyconic and three azimuthal projections applied in modern USSR cartographic publications of the world, the Soviet Union, etc. Polyconic projections carry intermediate distortion are obtained by numerical analysis. Azimuthal projections are distinguished by small distortions of areas and exhibit the spherical shape of the terrestrial surface. They are obtained by a parameter entering the projection equations and using coordinates of the central point. (RZhAstr, No 10, 1955)

SO: Sum-No 787, 12 Jan 56

GINZBURG, G.A.

Subdivision of methods and procedures of obtaining new cartographic projections. Vop.geog. no.34:108-116 '54. (MLRA 7:12)
(Map projection)

GINZBURG, G. A.

GINZBURG, G. A.

"Geographic Disbribution of Forests of the Byelo-
russian SSR, and Their Utilization. (A Historical and Geographical
Study)." Byelorussion State U imeni Lenin, Minsk, 1955.
(Dissertation for the Degree of Candidate in Geographical Sciences)

SO: M-955, 16 Feb 56

GINZBURG, G.A., kandidat tekhnicheskikh nauk, dotsent.

Using numerical methods to obtain the projection for world maps. Trudy MIIGAIK no.21:3-19 '55. (MLRA 10:1)

1. Moskovskiy institut inzhenerov geodezii, Kafedra matematicheskoy kartografii.

(Map projection)

Z

GINZBURG, Georgiy Aleksandrovich; YANKOV, G.V., red.; KOMAR'KOVA, L.M., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Constructing grid lines on geographic maps according to graphic methods] Postroenie setok meridianov i parallelei geograficheskikh kart v osnovnom graficheskimi priemami. Moskva, Izd-vo geodez. lit-ry, 1957. 25 p. (MIRA 11:2)
(Cartography)

GINZBURG, G.A.; SALMANOVA, T.D.; GEDYMIN, A.V., redaktor atlasa; SHAMAROVA, T.A., redaktor izdatel'stva; KUZ'MIN, G.M., tekhnicheskiy redaktor.

[Charts for selecting map projections] Atlas dlia vybora kartograficheskikh proektsii. Moskva, Izd-vo geodez. lit-ry, 1957. 237 p. (Leningrad, TSentral'nyi nauchno-issledovatel'skii institut geodezii, aerosʺemki i kartografii. Trudy, no.110). (MLRA 10:8)
(Map projection)

GINZBURG, G.A.

Call Nr: QB280.L42

AUTHORS: Ginzburg, G. A., Salmanova, T. D.

TITLE: Transactions of the Central Scientific Research Institute of Geodesy, Aerial Surveying and Cartography. Vol. 110. Atlas for the Selection of Cartographic Projections (Trudy Tsentral'nogo nauchno-issledovatel'skogo instituta geodezii, aeros''yëmki i kartografii. Vypusk 110: Atlas dlya vybora kartograficheskikh proyektsiy)

PUB. DATA: Izdatel'stvo geodezicheskoy literatury, Moscow, 1957, 240 pp., 2000 copies

ORIG. AGENCY: Glavnoye upravleniye geodezii i kartografii MVD SSSR

EDITOR: Gedymin, A.V.; Editor of the Publishing House: Shamarova, T.A.; Technical Editor: Kuz'min, G. M.

PURPOSE: This atlas is designed to facilitate the selection of projections for various types of geographic maps in cartographic plants. The atlas may be used for educational purposes.

Card 1/9

Call Nr: QB280.L42

Transactions of the Central Scientific Research Institute (cont.)

COVERAGE: The first (or introductory) part of the atlas enumerates about 140 standard types of projections based on the mathematical criteria employed in map making. The second and main part contains 76 selected recommendations for various projections of cartographic grids with their basic contours, the isocoll lines (i.e. lines of equal angular and areal distortion), and different scales. The examples demonstrate the practical application of definite projections for definite areas. The appendix contains tables of rectangular coordinates of the points needed in the construction of cartographic grids for all the recommended projections. In compiling the atlas the authors relied upon the experience of the TsNIIGK (Tsentral'nyy nauchno-issledovatel'skiy institut geodezii, aeros''yëmki i kartografii, Central Scientific Research Institute of Geodesy, Aerial Photography and Cartography). The personalities mentioned are: Solov'yëv, M.D., Mukhin, A. P., Garayevskaya, L.S., Ivanov, Yu.M., Artamonov, G.V., Bashlavina, G.N. Larina, D.A., Urmayeva, N.A., and Filippov, Yu. V. There are 81 maps and 76 tables. All 58 references are Soviet.

Card 2/9

Transactions of the Central Scientific Research Institute (Cont.)

TABLE OF CONTENTS

Transactions of the Central Scientific Research Institute (Cont.)

Call Nr: QB280.L42

Transactions of the Central Scientific Research Institute (Cont.)

Card 6/9

Call Nr: QB280.L42

Transactions of the Central Scientific Research Institute (Cont.)

Card 7/9

Transactions of the Central Scientific Research Institute (Cont.)

Call Nr: QB280.L42

Transactions of the Central Scientific Research Institute (Cont.)

Appendices

Bibliography

AVAILABLE: Library of Congress

Card 9/9

6-11-10/13

AUTHOR: Ginzburg, G.A., Candidate of Technical Sciences

TITLE: On the Projection of Maps in the Regional Atlases (O proyektsiyakh kart regional'nykh atlasov)

PERIODICAL: Geodeziya i Kartografiya, 1957, Nr 11, pp. 68-71 (USSR)

ABSTRACT: This problem is treated in connection with the elaboration of complex geographical atlases of the Union republics of the USSR. It is necessary to lay down the mathematical foundations for these maps, demands made on these maps and recommendations for the projections in these maps are described here. As most of the Union republics, beside the Russian federation, are not so large, the modification of the projection on the dimensions and the form of representation is of little importance and does not cause any great changes of the contours in grid lines. There are 5 Slavic references.

AVAILABLE: Library of Congress

Card 1/1

3(2) PHASE I BOOK EXPLOITATION SOV/2679

Ginzburg, Georgiy Aleksandrovich

Posobiye po izmereniyam na melkomasshtabnykh kartakh (Manual of Measuring on Small Scale Maps) Moscow, Geodezizdat, 1958. 135 p. (Series: Tsentral'nyy nauchno-issledovatel'skiy institut geodezii, aeros"yemki i kartografii. Trudy, vyp. 119) Errata slip inserted. 1,300 copies printed.

Sponsoring Agency: Glavnoye upravleniye geodezii i kartografii. Ministerstvo vnutrennikh del SSSR.

Ed.: A. V. Gedymin; Ed. of Publishing House: G. A. Shamarova; Tech. Ed.: V. V. Romanova.

PURPOSE: This book is intended for geographers, cartographers, or other specialists using small scale maps for determination of distance or area.

COVERAGE: This book explores the various methods of determining distances, areas,

Card 1/5

and azimuths from small scale maps. Distortion characteristics and factors of various commonly used small scale map projections are treated in detail. There are many aids in the form of tables and nomograms to assist in making measurements. Examples of each type of determination are included. Among the tables is one listing some 325 Soviet cities by coordinates to the nearest minute of arc. The author thanks N. M. Volkov, A. V. Gedymin, D. A. Larin, N. A. Urmayev (deceased), G. V. Yanikov, T. D. Salimanova, and V. P. Kondrat'-yeva. There are 28 bibliographic references: 27 Soviet and 1 English. There is a reference list of 11 atlases; 8 Soviet and 3 English.

TABLE OF CONTENTS:

Manual of Measuring (Cont.)

Card 4/5

AVAILABLE: Library of Congress

Card 5/5

MM/fal
12-8-59

3(2) SOV/154-58-6-11/22

AUTHOR: Ginzburg, G. A. Docent, Candidate of Technical Sciences

TITLE: The Correlation of Distortions in the Projection of Geographical Maps (O sootnosheniyakh mezhdu iskazheniyami v proyektsiyakh geograficheskikh kart)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos"yemka, 1958, Nr 6, pp 103-110 (USSR)

ABSTRACT: This study concerns some important practical problems connected with the determination of the relationship between a) the different distortions in the same projection, and b) equal distortions in different projections. a) According to formula (1), nomographs can be built up. These will determine a, b, p, ω (ε), as well as the correlation between them with an accuracy sufficient for practice. a and b are lengths, p - surfaces, - angles. Other nomographs are given for the relations of the 7 values: a, b, p, ω, m, n, ε. m - scale on the meridian, n - scale on the parallel. Examples are given. b) The question of the relationship between equal distortions in different projections is investigated in a general form, and the following is stated: if, in the point of an equally large projection and in the point

Card 1/2

Report presented at Sci-Tech Conf. MIIGAiK, 24-26 Apr 58

of an equidistant projection, the scale of the lengths a shows the same value, the maximum distortion of the angles ω in the point of the equally large projection is nearly twice as big. There are 7 figures, 2 tables, and 4 references, 3 of which are Soviet.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut geodezii, aerofotos"yemki i kartografii (Central Scientific Research Institute of Geodesy, Air Survey and Cartography)

SUBMITTED: May 15, 1958

3(2)
AUTHOR: Ginzburg, G. A., Candidate of Technical Sciences

SOV/6-58-12-9/14

TITLE: The Tasks of Mathematical Cartography in the USSR in the Field of Small-Scale Maps (O zadachakh matematicheskoy kartografii v SSSR v oblasti melkomasshtabnykh kart)

PERIODICAL: Geodeziya i kartografiya, 1958, Nr 12, pp 48-53 (USSR)

ABSTRACT: The basic courses of mathematical cartography published before the war in the USSR surpassed those abroad both by theoretical standard and completeness of their references. But today they are obsolete. The tasks in connection with the development in the field of small-scale maps are pointed out here:
1) Theoretical tasks. A classification of projections according to genetical characteristics is to be worked out, the project of the GOST for the terminology and symbolic representation in mathematical cartography is to be completed. A relatively critical analysis of the methods of obtaining cartographical projections is to be carried out. Methods of obtaining projections which are already anticipated by the demands of practice should be developed. Methods of obtaining the whole mathematical basis of small-scale maps are to be developed.

Card 1/3

The Tasks of Mathematical Cartography in the USSR in the Field of Small-Scale Maps SOV/6-58-12-9/14

Graphical-analytical methods of determining the mathematical basis of maps should be improved. 2) Theoretical and scientific-practical tasks. These include the following: Mathematical bases of individual maps on small scale, mathematical bases of serial maps. Working out of such projections for special maps which could facilitate cartometrical work. The problem of using highly efficient calculators in mathematical cartography should be studied in a theoretical respect, and some projections under especially complicated conditions should be worked out in the form of an experiment. 3) Scientific-practical tasks. On the basis of experimental investigation and generalization of practical data, the admissible rates of distortion on small-scale maps must be fixed. The demands put forward to the mathematical elements of special maps should be defined. The criteria for evaluating the quality of projections and the mathematical bases of maps as a whole should be submitted for further examination. The development in the design of transformers of various types should be continued. Measuring instruments should be improved. Simple, easy methods must be worked out for the approximate determination of lengths, areas and angles on

Card 2/3

small-scale maps. 4) Educational tasks. A textbook of mathematical cartography for cartographic-geodetical high schools and for aspirants must be published. Another means of instruction should be edited for teachers. Small-scale maps should be provided with explanations on the properties of the projection (as they are also used by many non-expert - engineers, technicians, etc.). There are 6 Soviet references.

GINZBURG, G.A.

Measuring device for the school globe. Geog. v shkole 21 no. 1:53-54 Ja-F '58. (MIRA 11:7)
(Physical geography--Audio-visual aids)

GINZBURG, G.A.

Projection and compilation of geographical maps in the present-day atlases of foreign countries. Vop.geog. no.42:168-177 '58. (MIRA 11:11)

(Cartography)

GINZBURG, G. A. Doc Tech Sci -- (diss) "The mathematical basis of small-scale geographic maps." Mos, 1959. 23 pp (Min of Higher Education USSR. Mos Inst of Engineers of Geodesy, Aerial Photography and Cartography), 150 copies. Printed by duplicating machine. List of author's works p 23. (KL, 44-59, 126)

AUTHOR: Ginzburg, G.A. SOV?10-59-1-26/32

TITLE: Projection Systems and Their Use in Geography, Navigation, Topometry, etc by F. Reignier (F. Ren'-ye, Sistemy proyektsiy i ikh prilozheniye k geografii, kartografii, navigatsii, topometrii i t.d.)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya geograficheskaya, 1959, Nr 1, pp 152-153 (USSR)

ABSTRACT: This is a review of an article of the same title published by the National Geographic Institute of France in 1957.

Card 1/1

GINZBURG, G.A.

PHASE I BOOK EXPLOITATION SOV/4321

SOV/43-S-31

Moscow. Institut inzhenerov geodezii, aerofotos"yemki i kartografii

Trudy, vyp. 31 (Transactions of the Moscow Institute of Engineering Geodesy, Aerial Photography, and Cartography no. 31) Moscow, Geodezizdat, 1959. 163 p. Errata slip inserted. 1,000 copies printed.

Editorial Board: A.I. Mazmishvili (Resp. Ed.), V.I. Avgevich (Deputy Resp. Ed.), G.V. Bagratuni, N.Ya. Bobir, M.N. Volkov, A.I. Durnev, S.V. Yeliseyev, P.S. Zakatov, G.P. Levchuk, N.I. Modrinskiy, M.D. Solov'yev, B.V. Fefilov, and P.F. Shokin; Ed. of Publishing House: T.A. Shamarova; Tech. Ed.: V.V. Romanova.

PURPOSE: This collection of articles is intended for specialists in geodesy, cartography, and photogrammetry.

COVERAGE: The book is a collection of 20 papers presented at the MIIGAiK in October 1957 and printed in abbreviated form. The reports presented discuss the current status and the future prospects for development of aerial photography, topographic mapping, geodesy and geodetic astronomy, instrumentation, photogrammetry and photo interpretation, cartography and its associated mathematical and practical problems. No personalities are mentioned. References follow several of the articles.

Card 1/4

Card 4/4

AC/af/sfm

GINZBURG, G.A.

Mathmatical elements of the multileaf world map. Geod. i kart. no. 3:40-47 Mr '61. (MIRA 14:4)
(Map projection)

GINZBURG, G.A.; SAIMANOVA, T.D.

Using numerical analysis in mathematical cartography. Trudy TSNIIGAIK no.153:5-79 '62. (MIRA 17:9)

GINZBURG, G.A.

Using nomographic calculations in mathematical cartography. Trudy TSNIIGAIK no. 53: 82-151 (MIRA 17:9)

KREMPOL'SKIY, Viktor Fedorovich; MEKLER, Morits, Maksovich;
GINZBURG, Georgiy Aleksandrovich; KOMKOV, A.M., retsenzent;
EDEL'SHTEYN, A.V., red.; BRAZHNIKOV, V.I., red.izd-va;
ROMANOVA, V.V., tekhn. red.

[The cartographer's manual] Spravochnik kartografa. Moskva,
Gosgeoltekhizdat, 1963. 416 p. (MIRA 17:3)

GINZBURG, G.A.; SALMANOVA, T.D.; GEDYMIN, A.V., red.

[Manual on mathematical cartography] Posobie po matematicheskoi kartografii. Moskva, Nedra, 1964. 456 p. (Moscow. TSentral'nyi nauchno-issledovatel'skii institut geodezii, aeros"emki i kartografii). (MIRA 18:1)

1. TSentral'nyy nauchno-issledovatel'skiy institut geodezii, aeros"yemki i kartografii (for Ginzburg, Salmanova).

GINZBURG, G.B.; ALEKSANDROVA, M.S. (Smolensk)

Case of paragonimiasis of the lungs in conjunction with pulmonary tuberculosis. Probl.tub. 36 no.7:115-116 '58.
(MIRA 12:8)

(TUBERCULOSIS) (LUNGS--DISEASES)

VINOGRAD-FINKEL, F. R., GINZBURG, G. F., FEDOROVA, L. I., KAUKHCHESHVILI, S. P.

"The Application of Refrigeration for Prolonged Preservation of Blood."

Report submitted for the 10th Intl. Refrigeration Congress, Copenhagen, 19 August - 2 September 1959.

GINZBURG, G.[I.]

AID P - 2207

Subject : USSR/Aerodynamics

Card 1/1 Pub. 135 - 8/18

Author : Ginzburg, G., Eng. Lt. Col.

Title : Simplified method of sighting

Periodical : Vest. vozd. flota, 6, 43-47, Je 1955

Abstract : The author explains the special use of the gun sight when time is restricted due to high relative speeds of the firing aircraft and its target. He mentions gun sights ASP-3N, PBP-1, PKI, ASP-1N, and explains his method of sighting using them in his examples.

Institution : None

Submitted : No date

GINZ BURG, G.I.

AID P - 5446

Subject : USSR/Aeronautics - training

Card 1/1 Pub. 135 - 23/31

Author : Ginzburg, G. I., Eng.-Lt.Col.

Title : To improve the equipment of firing ranges

Periodical : Vest. vozd. flota, 1, 79, Ja 1957

Abstract : The author says that in the interest of gunnery training the present equipment of firing ranges, which in some educational institutions and Air Force units does not meet the necessary training requirements, should be improved.

Institution : None

Submitted : No date

DUBROVINSKIY, S.B.; NURULLAYEV, D.Kh.; GINZBURG, G.M.; MEL'NIK, Ye.Yu.

Epidemiological analysis of the poliomyelitis incidence in the city of Tashkent during 1953 to 1958. Trudy TashNIIVS 6:109-124 '61.
(MIRA 15:11)
(TASHKENT--POLIOMYELITIS)

KAPOVSKAYA, R.A.; AKHMEDOVA, D.R.; MEVZOS, L.M.; PYZHOVA, M.I.; Prinimal uchastiye: GINZBURG, G.M.

Materials on the epidemiology of Botkin's disease in Tashkent. Trudy TashNIIVS 6:167-174 '61. (MIRA 15:11)

1. Tashkentskaya gorodskaya sanitarno-epidemiologicheskaya stantsiya.
(TASHKENT--HEPATITIS, INFECTIOUS)

GINZBURG, G.M., inzh.

Experimental industrial welding of the main steam line without outgoing insert rings in the Yaroslavl Thermal Electric Power Plant No.3. Energ stroi. no.33:39-43 '63. (MIRA 17:8)

1. Trest "TSentroenergomontazh".

GINZBURG, G.M., Inzh.

Engineering and economic indices of the installation of the first 200 Mw. block in Zainsk State Regional Electric Power Plant. Energ. stroi. no.38:61-64 '64. (MIRA 17:10)

1. Trest "Volgoenergomontazh."

GINZBURG, G.M., inzh.

Oxygen-flux cutting of chrome-nickel austenite steel. Energ. stroi. no.1:124-126 '59. (MIRA 13:2)

1.Trest "TSentroenergomontazh".
(Gas welding and cutting)

GINZBURG, G. M.

Ginzburg, G. M. On uniqueness conditions for limit distributions. Izvestiya Akad. Nauk SSSR. Ser. Mat. 15, 563–580 (1951). (Russian)

"This paper establishes necessary and sufficient conditions for the uniqueness of the limiting distribution (as $t \to \infty$) determined by the stochastic equation

$$\Delta y = A(y)\Delta t + f(\alpha, y)\sqrt{\Delta t},$$
$$Ef^2(\alpha, y) = B(y),$$

where $A(y)$ and $B(y)$, are analytic functions of y for all real y". *From the author's summary.*

Source: Mathematical Reviews, Vol 13 No.5

GINZBURG, G.M.

SUBJECT USSR/MATHEMATICS/Theory of probability CARD 1/1 PG - 81
AUTHOR GINZBURG G.M.
TITLE On limit distributions which are determined by stochastic equations, where the function of dispersion has an infinite number of zeros.
PERIODICAL Doklady Akad. Nauk 102, 441-444 (1955)
reviewed 6/1956

In an earlier paper (Izvestija Akad. Nauk, Ser. mat. 15, 563 (1951)) the author has investigated the uniqueness of the continuous and of the discrete limit distribution which is given by the stochastic differential equation

$$\Delta y = A(y)\,\Delta t + f(\alpha, y)\,\sqrt{\Delta t}$$

The proofs were given for the case that the dispersion function

$$B(y) = Ef^2(\alpha, y)$$

has a finite number of zeros. In the present paper it is assumed that B(y) has infinitely many zeros. The earlier sufficient conditions remain true in this case; but the behavior of the function A(y) changes in the zeros of B(y). The necessary conditions of the earlier paper can be extended to the new case under certain assumptions. Finally the author gives several examples of stochastic equations in which the dispersion function has infinitely many zeros.
INSTITUTION: Educational Institute Ljwov.

SOV/44 - 58 - 4 - 2658

Translation from: Referativnyy zhurnal, Matematika, 1958, Nr 4, p 9 (USSR)

AUTHOR: Ginzburg, G.M.

TITLE: On Teaching the "Elementary Functions" Section in a Course on the Theory of Functions of a Complex Variable in a Pedagogical Institute (O prepodavanii razdela "Elementarnyye funktsii" v kurse teorii funktsiy kompleksnogo peremennogo v pedagogicheskom institute)

PERIODICAL: Dopovidi ta povidomlennya. L'vivsk. derzh. ped. in-t, 1957, Nr 2, pp 26 - 29

ABSTRACT: Bibliographic entry.

Card 1/1

S/137/61/000/012/104/149
A006/A101

AUTHOR: Ginzburg, G. M.

TITLE: Oxygen-flux cutting of chrome-nickel austenite steels

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 12, 1961, 49, abstract 12E313 ("Energ. str-vo" I(II) Moscow-Leningrad, 1959, 124-126)

TEXT: Information is given on experiments in cutting 1Х18Н9Т (1Kh18N9T) and 1Х18Н12М3Т (1Kh18N12M3T) steel when manufacturing blanks for welded shaped parts (sleeves, connecting parts, branch pipes) in assembly shops of "Tsentroenergomontazh" Trust. An УФР-2 (UFR-2) unit was employed. Diagrams of the unit, the flux feeder and the cutter are presented. To increase the service life of the nozzle, a quench-hardened У-8 (U-8) steel insert was pressed into the cutting channel of the cutter. Grade ВС (VS) Fe-powder of the Sulin Plant was used as a flux. The flux must be dried and sieved through a screen with 100 meshes per cm^2. Steel, 6 - 12 mm thick, was cut. Cutting conditions are given. In the case that edges are chamfered for welding, they are protected on emery disks after cutting. If the sheets are 5 - 6 mm thick, overheating of the edges

Card 1/2

S/137/61/000/012/104/149
A006/A101

Oxygen flux cutting of chrome-nickel ...

is prevented by the use of less active flux, as e.g. a mixture of Fe-powder with quartz sand.

Ye. Terpugov

[Abstracter's note: Complete translation]

Card 2/2

GINZBURG, G.M., inzh.; GARIN, I.I., inzh.

Assembling the heating surface of a boiler after completion of brickwork. Elek.sta. 31 no.1:75-76 Ja '60. (MIRA 13:5)

(Boilers)

S/135/62/000/002/005/010
A006/A101

AUTHORS: Ginzburg, G.M., Bibikov, A.V., Engineers

TITLE: Automatic argon-arc welding of fixed 1 X 18 H 9T (1Kh18N9T) steel pipe butts

PERIODICAL: Svarochnoye proizvodstvo, no. 2, 1962, 21 - 23

TEXT: Information is given on a new method of welding fixed 1Kh18N9T steel pipe butts in argon atmosphere developed by the laboratory of "Tsentro-energomontazh" Trust. Pipes, 32 x 3 mm in diameter, are welded without beveling the edges, but using a filler wire during the second pass. The process is carried out in two passes on the ATB-M (ATV-M) automatic machine. Pass one, without filler wire, assures full penetration of the seam root; the second pass serves to reinforce the joint. Welding conditions are given in Table 2. The new method does not raise proneness of weld joints to intercrystalline corrosion nor does it impair the structure of the weld metal; it assures high mechanical properties of the weld joints. The assimilation of automatic welding of 32x3 mm diameter pipes and the use of consumable rings for the manufacture of power station pipelines reduces labor consumption for preparative operations of welding and assembly, and increase

Card 1/2

Automatic argon-arc welding ...

labor efficiency. There are 3 tables and 5 figures.

ASSOCIATION: Trest "Tsentroenergomontazh" Ministerstva stroitel'stva elektrostantsiy SSSR ("Tsentroenergomontazh" Trust of the USSR Ministry of Power Station Building)

Table 2:

a - pass; b - welding speed in m/h; c - wire feed rate in m/h; d - current in amps; e - arc length in mm; f - arc voltage in v; g - argon consumption in l/h; h - for the torch; i - for the blast.

a Проход	b Скорость сварки в м/час	c Скорость подачи проволоки в м/час	d Ток в а	e Длина дуги в мм	f Напряжение дуги в в	g Расход аргона в л/час: h в горелку	g Расход аргона в л/час: i на поддув
I	8	—	85—95	1,0	9—11	500—600	60—100
II	14	13—14	90—100	2,5—3,0	12—14		

Note: Filler wire Св -04 Х19 Н 11 М3 (Sv-04Kh19N11M3) of 1.6 mm in diameter is used.

Card 2/2

LEYTMAN, M.Z.; ALFEROVA, V.B.; KUZ'MINOVA, M.L.; SLAVINA, Kh.M.; ZHDANOVA, L.D.; MOKEYEVA, A.D.; BOGACHEVA, R.I.; GINZBURG, G.M.; GOTGIL'F, M.M.; SMIRNOVA, T.T.

Study of the effectiveness of subcutaneous immunization against dysentery with Chernokhvostov's alcohol vaccine. Trudy Tash. NIIVS 5:59-71'62. (MIRA 16:10)
(DYSENTERY —PREVENTIVE INOCULATION)

KHEYFETS, L.B.; LEYTMAN, M.Z.; KUZ'MINOVA, M.L.; SALMIN, L.V.; SLAVINA, A.M.; ZHDANOVA, L.D.; PLETNEVA, O.G.; KOYENMAN, L.I.; GINZBURG, G.M.; VARSANOVA, Ye.Ya.; MEL'NIK, Ye.Yu.

Studies on the epidemiological effectiveness of alcohol corpuscular and chemical sorbed typhoid and paratyphoid fever vaccines. Zhur. mikrobiol., epid. i immun. 33 no.7: 53-59 Jl '62. (MIRA 17:1)

1. Iz Moskovskogo instituta vaktsin i syvorotok imeni Mechnikova i Tashkentskogo instituta vaktsin i syvorotok.

YUNUSOVA, Kh.A., prof.; LOGINOVA, N.S., dotsent; GINSBURG, G.M.

Clinical and epidemiological characteristics of epidemic hepatitis in children. Sbor.nauch.trud.TashGMI 22:203-211 '62.

(MIRA 18:10)

1. Kafedra detskikh infektsiy (zav. kafedroy - prof. Kh.A.Yunusova) Tashkentskogo gosudarstvennogo meditsinskogo instituta.

KHEYFETS, L.B.; SALMIN, L.V.; LEYTMAN, M.Z.; KUZ'MINOVA, M.L.; VASIL'YEVA, A.V.; GAL'PERIN, I.P.; SLAVINA, A.M.; ZHDANOVA, L.D. PLETNEVA, O.G.; VARSANOVA, Ye.Ya.; GINZBURG, G.M.; GLYAZER, N.G.; MEL'NIK, Ye.Yu.

Comparative evaluation of typhoid fever vaccine prepared by various methods, materials from an epidemiological experiment in 1961. Zhur. mikrobiol., epid. i imm. 41 no. 2:70-76 F '64. (MIRA 17:9)

1. Moskovskiy institut vaktsin-i syvorotok imeni Mechnikova, Tashkentskiy institut vaktsin i syvorotok i Ashkhabadskiy institut epidemiologii, mikrobiologii i gigiyeny.

GINZBURG, G.N.

MEL'NIKOVA, A.A., SEMENOVA, V.A., SOLOV'YEVA, N.K., SMEZHNOVA, L.P.
GINZBURG, G.N.

Formation of actinoxanthin; a new antitumor antibiotic [with summary in English]. Antibiotiki 3 no.1:18-22 Ja-F'58 (MIRA 11:5)

1. Otdel novykh antibiotikov Vsesoyuznogo nauchno-issledovatel'skogo instituta.

(ACTINOMYCES,
globisporus, prod. of anti-tumor antibiotic actinoxanthine (Rus))
(ANTIBIOTICS,
actinoxanthine, anti-tumor activity & prod. by Actinomyces globisporus (Rus))
(CYTOTOXIC DRUGS,
same)

BEKKER, Z.E.; RODIONOVA, Ye.G.; YEGOROVA, Ye.I.; SINITSINA, Z.T.; GINZBURG, G.N.

Producer and biological properties of, and fermentation experiments on preparation No. 125. Trudy Vses. inst. sel'khoz. mikrobiol. 17: 147-152 '60. (MIRA 15:3)

(Antibiotics)

SEMENOVA, V.A.; SOLOV'YEVA, N.K.; RUYANOVSKAYA, I.S.; DMITRIYEVA, V.S.; TRAPPTENBERG, D.M.; RODIONOVSKAYA, E.I.; CHERENKOVA, L.V.; KHOKHLOV, A.S.; BYCHKOVA, M.M.; GINZBURG, G.N.

Antibiotic phytobacteriomycin, effective in controlling bacteriosis in plants. Trudy Vses. inst. sel'khoz. mikrobiol. 17:131-139 '60. (MIRA 15:3)

(Antibiotics) (Bacteria, Phytopathogenic)

GINSBURG, G. R.

"Sanitary Control for Meat and Meat Products in Prerevolutionary Russia and in the USSR." Sub 30 Jan 51, Central Inst for Advanced Training of Physicians.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55.

1. GINZBURG, G. R.

2. USSR (600)

4. Medical Economics

7. "Renumeration of medical personnel." I. Ya. Bychkov, I. S. Ermolayev. Reviewed by G. R. Ginzburg. Fel'd. i akush. no. 11, 1952.

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

GINZBURG, G.R., kandidat meditsinskikh nauk (Moscow)

"Collection of important official data on sanitation and epidemic control." T.E.Boldyrev [professor], V.M.Zhdanov [professor], eds. Reviewed by G.R.Ginzburg. Fel'd. i akush. no.7:62-63 Jl '54. (MLRA 7:7)

(EPIDEMIOLOGY) (PUBLIC HEALTH)

GINZBURG, G.R. (Reviewer)

"Rights of mothers and children." S.E.Kopelianskaia. Reviewed by G.R.Ginzburg. Med.sestra no.3:30-31 Mr '54. (MLRA 7:2)
(Maternal and infant welfare) (Kopelianskaia, S.E.)

GINZBURG, G.R., kandidat meditsinskikh nauk

"Rural feldsher-midwife station." G.F.Konstantinov, I.IA.Bychkov. Reviewed by G.R.Ginzburg. Fel'd. i akush. no.3:62-63 Mr '55. (MLRA 8:5)
(PUBLIC HEALTH, RURAL)
(KONSTANTINOV, G.F.)
(BYCHKOV, I.IA.)

GINZBURG, G.R., kandidat meditsinskikh nauk (Moskva)

"Intermediate medical education." A.I. Tentsova. Reviewed by G.R. Ginzburg. Fel'd. i akush. no.1:59 Ja '56 (MLRA 9:4)

(MEDICAL SERVICE EMPLOYEES--EDUCATION AND TRAINING)
(TENTSOVA, A.I.)

GINZBURG, G. S. PA 34T53

USSR/Medicine - Tuberculosis, Jul/Aug 1947
Epidemiology
Medicine - Tuberculosis, Statistics

"Experiences of Field Work at Villages," G. S. Ginzburg, A. M. Erukhimovich, Ukrainian Tuberculosis Institute (Director: Prof B. M. Khmel'nitskiy), Ukrainian Roentgen Institute (Director: Ye. A. Bazlov), 1½ pp

"Problemy Tuberkuleza" No 4

An account of a field trip to the kolkhoz Krasnaya Agronomiya which is located close to Krasnopavlovka Lozovskiy region of Kharkov Oblast. There has been a large patient index for this kolkhoz and in 1946 there was an expedition to this area to determine the status of tuberculosis. The article is a compilation of the data which was collected. LC 34T53

Ginzburg, G. S.

3

Polarographic investigations of complex compounds. B. A. Maksimuyuk and G. S. Ginzburg. *Doklady Akad. Nauk S.S.S.R.* 105, 755 7(1955).—Polarograms of the *cis*- and *trans*-tetraamminedinitrocobaltichlorides, di- and monocobalt glycocolate hydrates, and the acicular and platelet forms of Cu glycocolate were studied at different concns. The half-wave reduction potentials showed that their reduction processes were irreversible, and a relation between the half-wave potential and the reducing-substance concn. could be observed owing to the adsorption of the reducible particles upon the Hg surface. W. M. Sternberg

Voyenno-morskaya meditsinskaya akademiya.

GINZBURG, G.S.

B-12

USSR/ Physical Chemistry - Electrochemistry

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 11376

Author : Maksimyuk Ye.A., Ginzburg G.S.
Title : On the Effect of Specific Adsorption on Half-Wave Potential in the Reduction of Complex Compounds

Orig Pub : Zh. obshch. khimii, 1956, 26, No 6, 1572-1579

Abstract : A more detailed presentation of previously published work (RZhKhim, 1956, 35517)

1/1

5(2,3,4)
AUTHORS: Makaimyuk, Ye. A., Ginzburg, G. S. SOV/20-124-5-29/62

TITLE: Polarography of Copper α-Alaninat[illegible] (Polyarografiya α-alaninata medi)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 5, pp 1069-1070 (USSR)

ABSTRACT: The specific adsorption of the addendum displaces the half-wave potential on the dropping mercury electrode in a direction which is determined by the sign of the ion charge in the case of a delay of the state of discharge of the complex. Moreover, the specific adsorption of the discharging ion itself causes a pronounced displacement of the half-wave potential toward the positive side (Refs 1,2) As the cis- and trans-isomers have a different tendency for specific adsorption these isomers can with some exceptions be identified by the magnitude of the half-wave potential The efforts made to explain the differences in crystal structure between the two forms of copper glycocolate and of the glycolate of divalent platinum (needle and laminar forms) by the cis- and trans-isomerism (Refs 3,4) have failed Nor has it been possible to find differences between the half wave potentials in polaro-

Card 1/3

Polarography of Copper α-Alaninate

SOV/20-124-5-29/62

graphs for copper glycocolate. Whereas it was believed that isomerism exists with analogous forms of copper α-alaninate (Ref 5), this has not been proved. The authors have studied the character of the reduction of both forms of this alaninate on a dropping mercury electrode. It is apparent from figure 1 that the half-wave potentials of the needle and laminar forms of the alaninate have different values. Those of the former form are more positive. The polarographic method does not allow to ascribe a cis- or trans configuration to this or that form. A cisconfiguration can be ascribed to the needle form if other data are available on a possible cis- and trans-isomerism. Finally, comparisons are reported between the half-wave potentials of copper glycocolate and copper α-alaninate (Fig 2) at 20 and 50° and the pk-values of the instability constants (Ref 6) are given. There are 2 figures and 6 references, 5 of which are Soviet.

ASSOCIATION: Pervyy leningradskiy meditsinskiy institut im. I. P. Pavlova (Leningrad First Medical Institute imeni I. P. Pavlov)

Card 2/3

GINZBURG, G.S., MAKSIMYUK, Ye.A.

Mechanism of the reduction of individual complexes in the presence of excess additive. Zhur.prikl.khim. 33 no.5:1211-1214 My '60. (MIRA 13:7)
(Complex compounds) (Reduction, Electrolytic)

MAKSIMYUK, Ye. A.; GINZBURG, G.S.

Spurious waves on polarograms of complex compounds. Zhur. prikl. khim. 33 no.11:2490-2497 N '60. (MIRA 14:4)
(Complex compounds) (Polarography)

GINZBURG, G.S.; MAKSIMYUK, Ye.A.

Nature of a particle being adsorbed in the discharge of copper and cadmium complexes with glycocoll and α-alanine. Zhur.prikl. khim. 37 no.7:1629-1631 Jl '64. (MIRA 18:4)

ALAMPIYEV, P.M.; APENCHENKO, V.S.; BEKOVA, T.N.; BYUSHGENS, L.M.; GINZBURG, G.Z.; GORDONOV, L.Sh.; GRIGOR'YEV, A.A., akademik; GURARI, Ye.L.; DANILOV, A.D.; DEMIN, L.A.; DOBROV, A.S.; SHIRMUNSKIY, M.M.; KULAGIN, G.D.; MILEYKOVSKIY, A.G.; MURZAYEV, E.M.; PAVLOV, V.V.; POPOV, K.M.; YANITSKIY, N.F.

Lev IAkovlevich Ziman, 1900-1956; obituary. Izv. AN SSSR.Ser.geog. no.6:153-154 N-D '56. (MLRA 10:1)
(Ziman, Lev IAkovlevich, 1900-1956)

GINZBURG, G.Z., kandidat tekhnicheskikh nauk.

Map projections in the world atlas. Sbor. st. po kart. no.9:3-13 '56.
(Map-projection) (Atlases) (MLRA 10:8)

GINZBURG, I.E.; KIRIYA, K.L.; PARSHIN, V.D.

Experience in operating benzene scrubbers with spiral metallic packing on solar oil. Koks i khim. no.5:44-46 '60. (MIRA 13:7)

1. Zakavkazskiy metallurgicheskiy zavod.
(Tiflis--Coke industry--By-products)
(Benzene)

GINZBURG, I.E.; KAUFMAN, S.R.; TSABUTASHVILI, Z.L.

Processing of pyrolysis coal tar in the Transcaucasian Metallurgical Plant. Koks i khim. no.9:46-48 '62. (MIRA 16:10)

1. Zakavkazskiy metallurgicheskiy zavod.
(Coal tar)

GINZBURG, I.E.; PARSHIN, V.D.

Production of pale-colored coumarone-indene resins by means of the thermal polymerization method. Koks i khim. no.7:43-45 '58.
(MIRA 11:8)

1. Rustavskiy koksokhimicheskiy zavod.

GINZBURG, I.F.

SUBJECT USSR /PHYSICS CARD 1 / 2 PA- 1644
AUTHOR GINSBURG, I.F.
TITLE On Leaving the Domain of Weak Coupling in the Meson Theory with two Charges.
PERIODICAL Dokl.akad.Nauk 110, fasc.4, 535 - 538 (1956)
Issued: 12 / 1956

According to D.V.SIRKOV, Dokl.Akad.Nauk 105, 972 (1955) a consistent application of the theory of weak coupling is impossible in the pseudo-scalar meson theory for two charges at a certain ratio between the coupling constants (even if the coupling constants are small). In the case of high momenta the frame of this theory is broken up. The present work shows that this is true for any ratio among charges. Besides, the asymptotic behaviour of GREEN's function of the 2-charge theory is determined also for high momenta. The results obtained refer to the neutral as well as to the symmetric charged theory.

The equations for the GREEN's function within the domain of high momenta $|p^2| \gg m^2$ and the initial conditions are as follows: $d\delta/dz = \delta\Psi(\delta,\varphi)$, $d\varphi/dz = \varphi\Phi(\varphi,\delta)$, $\delta(0) = g^2$, $\varphi(0) = h$. Here it is true that $\Psi(\delta,\varphi) = \Psi_1\delta + \Psi_2\varphi^2 + \Psi_3\varphi\delta + \ldots$ and $\varphi\Phi(\delta,\varphi) = \varphi_1\delta^2 + \varphi_2\varphi\delta + \varphi_3\varphi^2 + \ldots$, and besides it applies in the case of each of GREEN's functions that $\ln\Delta(x, g^2, h) = \int_0^{\ln x} dz \left\{\frac{d}{d\xi} \ln\Delta\left[\xi, \delta(z, g^2, h), \varphi(z, g^2, h)\right]\right\}_{\xi=1}$.

Dokl.Akad.Nauk 110, fasc.4, 535 - 538 (1956) CARD 2 / 2 PA - 1644

Further investigations are best carried out in the phase plane (ϱ,δ). Each integral curve of the equations mentioned corresponds to a certain pair of values of the constants g and h. On one of the integral curves the point corresponding to the experimental values of g and h must lie. As the experimental values of the constants g and h have hitherto not been known, it was necessary to investigate all possible curves $\varrho(\delta)$.

The cases $(\Psi_1/\Psi_2)\varrho^2/\delta \ll 1$, $(\Psi_1/\Psi_2)\varrho^2/\delta$ are investigated. The phase plane is subdivided into various domains and subdomains and the integral curves located in these domains are individually examined and discussed.

If momenta are sufficiently high (in which case,however, the perturbation theory should still be applicable), the asymptotic behaviour of GREEN's functions depends essentially on the sign of the expression $h - g^2x_1$. (For x_1 an expression is explicitly given). For $h - g^2x_1$ the following asymptotic behaviour of GREEN's function is obtained:

$$s(z, g^2, h) = (1 - \Psi_1 g^2 z)^{\alpha_s}, \quad \Gamma(z, g^2, h) = (1 - \Psi_1 g^2 z)^{\alpha_\Gamma}$$

$$d(z, g^2, h) = (1 - \Psi_1 g^2 z)^{\alpha_d}, \quad \square(z, g^2, h) = (1 - \Psi_1 g^2 z)^{\alpha_\square}$$

Here, α_s, α_Γ, α_d, and $\alpha_\square$ are numerical coefficients and are shown in a table. Also the asymptotic behaviour of GREEN's function for $h - g^2x_1 < 0$ is explicitly given.

INSTITUTION: Moscow State University.

16(1)

AUTHORS: Ginzburg, I.F., and Shirkov, D.V. SOV/155-58-2-32/47

TITLE: Asymptotic Behavior of Higher Green Functions (Asimptoticheskoye povedeniye vysshikh funktsiy Grina)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Fiziko-matematicheskiye nauki, 1958, Nr 2, pp 143-151 (USSR)

ABSTRACT: The asymptotic behavior of higher Green's functions for large values of the scalar impulse arguments, recently investigated by Konuma and Umezawa [Ref 1], is treated by the authors with the aid of the method of the group of renormalization [Ref 2,3,4,5]. The ultraviolet impulse asymptotic of higher Green's functions is determined in two steps. At first the Lie equations are established and solved for the invariant charges which characterize the given variant of the field theory. Then the Lie equation is solved for the impulse asymptotic of the considered Green's function. The method is suitable for the investigation of the Green's functions of real physical scattering processes. The authors thank V.L.Berezinskiy for the valuable discussion. There are 3 figures, and 6 references, 3 of which are Soviet, 1 American, and 2 Italian.

ASSOCIATION: Ob"yedinennyy institut yadernykh issledovaniy (United Institute of Nuclear Research)

Card 1/2