

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 50, pp 283-291

ABSTRACT: Physical properties (thermoelectric power, electrical resistivity, hardness, microhardness, and modulus of elasticity) of ¹⁹Bi-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

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

[Let us increase the production of potatoes and vegetables; an
annotated bibliography] Uvelichim proizvodstvo kartofelia i ovoshchai;
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; BERNENSON, A.N., redaktor;
YELAGIN, A.Ye., tekhnicheskii redaktor

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

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(Bibliography--Fruit culture)

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[Bibliography of the works of I.V. Michurin and the literature about him] Bibliografiia trudov I.V. Michurina i literatura o nem. [Sostaviteli 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)

Housing

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

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22-26 '54. (MLRA 7:7)

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2. Nachal'nik planovo-proizvodstvennogo otdela (for Ginzburg)
(Faucets)

GINZBURG, G.

Girl radio operators. Radio no.7:9 J1 '56. (MLRA 9:9)

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

GINZBURG, G. A.

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(Some notes in connection with the article y A. K. Malovichko in the same issue
of the "Sbornik"), Sbornik nauch.-tekhn. i priklad. st. by no teodanii. kartografii,
topografii, aerofotogrammetrii i gravimetrii, Issue 21, 1948, p. 27-29.

SO: (-4110, 17 July 53, (Letopis 'Zhurnal 'nykh otaty, No. 10, 1947).

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Sbornik nauch.-tekh. i prirovd. statey po geodezii, kartografii, topografii,
aerosferye i gravimetrii, Issue, 22, 1943, p. 91-102, - bibliog: 20 items.

SO: t-1110, 17 July 53, (Letopis 'Zhurnal 'nykh State, No. 19, 1943).

23915

GINZBURG, G. A. Psevdsilindricheskaya Proyektziya Tsmilgak.
Sbornik nauch. - Tekhn. i Proizvol. Staty po Geologii, Kartografii,
Aerofotografii i Gravitatsii, VYP. 24, 1949, S. 61-72.

30: Letopis, No. 32, 1949.

GINZBURG, G. A.

21363 GINZBURG, G. A. Issledovaniya tsentral'nogo nauchno-issledovatel'skogo instituta geodezii, aeros'emki i kartografii (Tsniga, L.) po matematicheskoy kartografii. Trudy vtorogo vsesoyuz. Geogr. S'ezda. S. III. M., 1949, S. 26-33.

SU: Letopis' zhurnal'nykh Statey, no. 20, Moskva, 1949.

GINZBURG, S. A.

21364 GINZBURG, S. A. A voprosu O sovremennom sostoyanii i putyakh razvitiya
matematicheskoy kartografii. Voprosy geografii, SB. II 1949, S. 49-52.

SO: Letopis' Zhurnal'nykh Statey, No. 28, Moskva, 1949.

GINZBURG, G. A.

Matematicheskoe obosnovanie kart kompleknykh 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 planting, etc. The profile was carried out along 26° 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 0.53%, and the oak increases from 0.1 to 9.24-10.23%. (RZhGeol, No 3, 1954)

SO: v-31187, 8 Mar 5

"New Variants of Polyconic and Z Azimuthal Projections"
Sb. ref. Tsent. 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. (MIRA 7:12)
(Map projection)

GINZBURG, G. A.

"Geographic Distribution of Forests of the Byelo-russian SSR, and Their Utilization. (A Historical and Geographical Study)." Byelorussian 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. (MIRA 10:1)

1. Monkovskiy institut inzhenerov geodezii, Kafedra matematicheskoy
kartografii. (Map projection)

GINZBURG, Georgiy Aleksandrovich; YANKOV, G.V., red.; KOMAR'KOVA, L.M.,
red.isd-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 geodes.
lit-ry, 1957. 25 p. (MIRA 11:2)
(Cartography)

~~QINERUNG~~; SAIMANOVA, T.D.; GHDYMIN, A.V., redaktor atlasa; SHAMAROVA,
T.A., redaktor isdatel'stva; KUZ'MIN, G.M., tekhnicheskiy redaktor.

[Charts for selecting map projections] Atlas dlia vybora kartografi-
cheskikh proektii. Moskva, Izd-vo geodes. lit-ry, 1957. 237 p.
(Leningrad, Tsentral'nyi nauchno-issledovatel'skii institut geode-
sii, aeras'emki 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''yemki i kartografii. Vypusk 110: Atlas dlya vybora kartograficheskikh proyeksiiy)
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.

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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'yemki i kartografii, Central Scientific Research Institute of Geodesy, Aerial Photography and Cartography). The personalities mentioned are: Solov'yev, 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.

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Call Nr: QB280.L42

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Bibliography

AVAILABLE: Library of Congress

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6-11-10/13

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

TITLE: On the Projection of Maps in the Regional Atlases (O proyektssi-yakh 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

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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,

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Manual of Measuring (Cont.)

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.

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AVAILABLE: Library of Congress

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SOV/154-58-6-11/22

3(2)

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 proyekttsiyakh 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 (6), 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

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Report presented at Sci-Tech Conf, MIRA, K, 24-26 Apr 58

SOV/154-58-6-11/22

The Correlation of Distortions in the Projection of Geographical Maps

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

SCV/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.

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The Tasks of Mathematical Cartography in the USSR
in the Field of Small-Scale Maps

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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

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The Tasks of Mathematical Cartography in the USSR
in the Field of Small-Scale Maps

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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 geografiche-
skaya, 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.

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PLANS I BOOK EXPLORATION SOV/AS-31

Moscow, Institut Imensovoy geodesii, aerofotogrammetrii i kartografi
 Trudy VPI, 31 (Transactions of the Moscow Institute of Engineering Geodesy,
 Aerial Photography, and Cartography no. 31) Moscow, Geodesists, 1959,
 163 p. Extra slip inserted. 1,000 copies printed.

Editorial Board: A.I. Kuznetsov (Resp. Ed.), V.I. Agapkin (Deputy Resp. Ed.),
 G.V. Bagratuni, E.S. Bozlo, M.S. Tolstov, I.I. Gromov, I.I. Kozlov, V.I. Kozlov,
 P.S. Sazonov, G.P. Lashuk, S.I. Kucharskiy, M.D. Solov'yev, S.Y. Kuznetsov,
 P.Y. Sokolov Ed. of Publishing House: T.A. Shmarova; Tech. Ed.: V.V. Komarova.
 Remarks: This collection of articles is intended for specialists in geodesy, car-
 tography, and photogrammetry.

OTRZHE: The book is a collection of 20 papers presented at its PICULI in
 October 1957 and printed in abbreviated form. The reports presented discuss
 the current status and the future prospects for development of aerial photog-
 raphy, topographic mapping, geodesy and geodesic astronomy, instrumetalion,
 photogrammetry, and the application of geodesy and its associated
 mathematical and physical problems. 16 personalities are mentioned. Referen-
 ces follow several of the articles.
 Card 1/2

1. Sazonov, I.S. 20 Years of Soviet Geodesy and Cartography 5
2. Kuznetsov, G.V. Results and Prospects of the Development of Aerial
Photography in the USSR 11
3. Sazonov, P.S. Basic Problems of Higher Education in Geodesy in the USSR
Team 15
4. Podobnyy, K.S. Contemporary Topographic Maps and Methods for Improving
Them 23
5. Vallubov, V.A. Prospects of Using Location by Means of Light for the
Construction of Geodetic Grids 31
6. Kolmogorov, A.P. A.S. Lomontsov, and A.I. Muznyy. State and Prospects
of Development of Geodesic Astronomy 41
7. Shalimov, V.I. Present State and Prospects of Developments of
Instrumental-Geodesic Instruments 49
8. Kozlov, M.D. Determining the Elements of Diurnal Orientation in
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9. Shulov, M.M. Five Aerial-Photographic Issues 63
10. Kozlov, I.D. On the Identification of Photogrammetric Networks
in Photographs 71
11. Golitsin, L.M. Problems of Topographic Interpretation of Aerial
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12. Mikhaylov, V.S. Effect of the Photographic Properties of Aerial
Photographs on Their Interpretability 83
13. Skobelin, Z.A. Basic Methods for the Development of Planimetric
Cartography 87
14. Kolmogorov, A.P. Ways and Means for Improving Planis Representation
of Relief on Maps 97
15. Zavitskaya, I.P. Cartographic Mapping Agricultural Areas in the USSR 103
16. Bordukov, M.P. Electrona Cartographic Rectifier 113
17. Perlov, V.M. Plastic Foundations and Semi-dry Photostatic Layers
in Cartographic Production 117
18. Kozlov, V.A. Microfilming and the Possibilities of Its Use in
Cartography 123
19. Quarsh, G.A. Investigation of Certain Aspects of the Problem of the
Interrelation of Aerial-Photographic Maps in the Transition
of the Material 133
20. Sokolov, M.D. Perspective Projections with Multiple-Range Per-
spectives 137

GINZBURG, G.A.....

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

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

Using numerical analysis in mathematical cartography. Trudy TSNIGAIK
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)

KREMFOL'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, H.B.; ALEXANDROVA, 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)

APPROVED FOR RELEASE: Thursday, September 26, 2002, CIA-RDP86-00513R000515120016-0
VEDADOVA, I. I., KAUKHCHESHVILI, E. L.
APPROVED FOR RELEASE: Thursday, September 26, 2002, CIA-RDP86-00513R000515120016-0

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

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

GINZBURG

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

GINZBURG, 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
uchastiyes GINZHURG, 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".

GINZBERG, G.M., inzh.

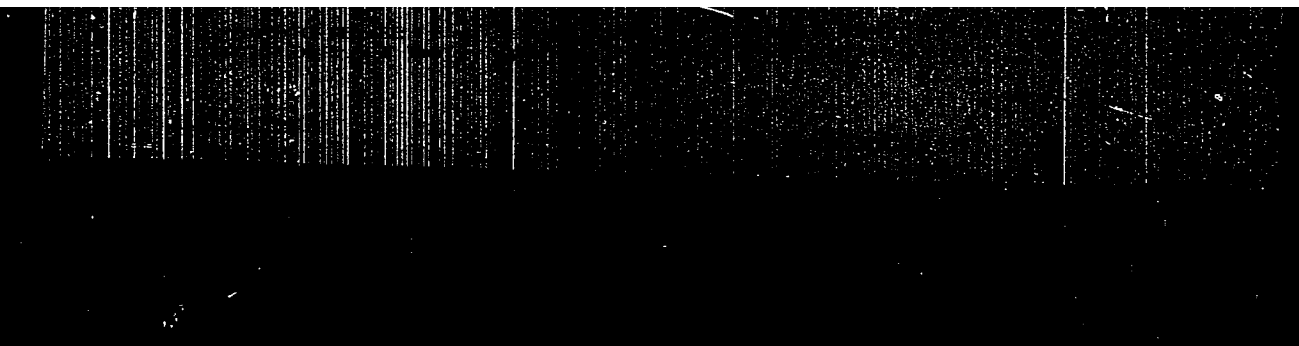
Engineering and economic indices of the installation of the first
200 Mw. block in Zainsk State Regional Electric Power Plant.
Energ. stroi. no. 38:61-64 '64. (MIRA 17.10.)

1. Treat "Volgoenergomontazh."

GINZBURG, G.M., inzh.

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

1. Test "TSentroenergomontash".
(Gas welding and cutting)



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

$$B(y) = E f^2(\alpha, y)$$

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 Ljvov.

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: Dopovidy 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
12B313 ("Energiya str-vo" I(II) Moscow-Leningrad, 1959, 124-126)

TEXT: Information is given on experiments in cutting 1X18H9T (1Kh18N9T) and 1X18H12M3T (1Kh18N12M3T) steel when manufacturing blanks for welded shaped parts (sleeves, connecting parts, branch pipes) in assembly shops of "Tsentr-energomontazh" Trust. An VQP-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 V-8 (U-8) steel insert was pressed into the cutting channel of the cutter. Grade BC (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 cm². 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]

✓
—

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 1X18H9T (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 "Tsentr-energomon-tazh" 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

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

Automatic argon-arc welding ...

labor efficiency. There are 3 tables and 5 figures.

ASSOCIATION: Trust "Tsentronegromontazh" Ministerstva stroitel'stva elektrostansiy SSSR ("Tsentronegromontazh" 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 Прокат	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	Расход аргона в литрах	
						g в горелку	i на воздух
11	8 14	— 12-14	85-95 90-100	1,0 2,5-3,0	8-11 12-14	500-600	60-100

Note: Filler wire Св -04 X19H11M3 (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 J1 '62. (MIRA 17:1)

1. Iz Moskovskogo instituta vaksin i syvorotok imeni
Mechnikova i Tashkentskogo instituta vaksin 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 inistituta.

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.

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

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, Ia.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.;
TRAPFENBERG, 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 (60)

4. Medical Economics

7. "Enumeration 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.K.Boldyrev [professor], V.M.Zhdanov [professor], eds.
Reviewed by G.R.Ginsburg. Fel'd. 1 akush. no.7:62-63 JI '54.
(MLRA 7:7)

(EPIDEMIOLOGY)

(PUBLIC HEALTH)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515120016-0
APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515120016-0"

GINZBURG, G.R. (Kopelianskaia)

"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.Ginsburg. Fel'd. i akush. no.3:62-63 Mr '55.
(PUBLIC HEALTH, RURAL) (MLRA 8:5)
(KONSTANTINOV, G.F.)
(BYCHKOV, I.IA.)

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

~~XXXXXXXXXXXX~~

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

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

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

"Experiences of Field Work at Villages," G. S. Ginzburg, A. M. Krukhovich, Ukrainian Tuberculosis Institute (Director: Prof. B. M. Khmel'nitskiy), Ukrainian Roentgen Institute (Director: Ye. A. Bazlov), 12 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. 10 34T53

3

2
Investigations of complex compounds...
W. M. Sterling

RM

Voenno-morskaya meditsinskaya akademiya.

G. I. N. Z. B. L. A. R. C.

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)

5(2,3,4)

AUTHORS:

Maksimyuk, Ye. A., Silzburd, L. S.

307/20-124-5-22/62

TITLE:

Polarography of Copper α -Alaninate (in media α -alaninate
medi)

PERIODICAL:

Doklady Akademii nauk SSSR, 1962, Vol. 125, 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 glycolate and of the glycolate of divalent platinum (needle and lamellar 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

004/00 174 0 29/62

Polarography of Copper α -Alaninate

graphs for copper glycochlorate. 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 describe a cis- or trans configuration to this or that form. A cis configuration 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 glycochlorate and copper α -alaninate (Fig 2) at 20 and 500 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.

Perвыy leningradskiy meditsinskiy institut im. I. I. Pavlova
(Leningrad First Medical Institute named I. I. 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)

GILZBERG, G.S.; MAENIMYSE, 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 J1 '64. (MIRA 18:4)

ALAMPIYEV, P.M.; APENCHENKO, V.S.; ERKOVA, T.N.; BYUSHGENS, L.M.; GINZHURG,
~~G.S.~~; GORDONOV, L.Sh.; GRIGOR'YEV, A.A., akademik; GURARI, I.S.;
DANILOV, A.D.; DEBIN, L.A.; DOEROV, 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) (MIRA 10:8)

GINZBURG, I.M.; 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, G.D.

Production of polyacrylonitrile (PAN) by the
thermal polymerization method. *High Polym. Sci.* 1964, 1, 1.
(MIRA 1964)

1. Rustavskiy koksakhimicheskiy zavod.

GINSBURG, 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: $d\delta/dz = \delta\psi(\delta, \rho)$, $d\rho/dz = \rho\phi(\rho, \delta)$, $\delta(0) = g^2$, $\rho(0) = h$. Here it is true that $\psi(\delta, \rho) = \psi_1 \delta + \psi_2 \rho^2 + \psi_3 \rho\delta + \dots$ and $\rho\phi(\delta, \rho) = \psi_1 \delta^2 + \psi_2 \rho\delta + \psi_3 \rho^2 + \dots$, and besides it applies in the case of each of GREEN's functions that $\ln\Delta(x, g^2, h) = \int_0^{\ln x} dz \left\{ \frac{d}{d\xi} \ln\Delta\left[\xi, \delta(z, g^2, h)\right], \rho(z, g^2, h) \right\} \xi = 1.$

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Further investigations are best carried out in the phase plane (φ, 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 $\varphi(\delta)$.

The cases $(\Psi_1/\Psi_2)g^2/\delta \ll 1$, $(\Psi_1/\Psi_2)g^2/\delta$ 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 $h - g^2 x_1$. (For x_1 an expression is explicitly given). For $h - g^2 x_1$ 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 α_\square are numerical coefficients and are shown in a table. Also the asymptotic behaviour of GREEN's function for $h - g^2 x_1 < 0$ is explicitly given.

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16(1)

AUTHORS: Ginzburg, I.P., 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'yedinenny institut yadernykh issledovaniy (United Institute of Nuclear Research)
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· Asymptotic Behavior of Higher Green Functions SOV/155-58-2-32/47

SUBMITTED: February 1, 1958

Card 2/2

24(5)

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SOV/155-58-2-33/47

TITLE: Asymptotic Behavior of the Matrix Elements in the Two-Charge -
Meson Theory (Asimptoticheskoye povedeniye matrichnykh elementov
v drukhazaryadnoy mesonnoy teorii)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Fiziko-matematicheskiye nauki,
1958, Nr 2, pp 152-157 (USSR)

ABSTRACT: In the present paper the author investigates the asymptotic
behavior of the matrix elements of the S-matrix during arbitrary
processes for "large impulses": $|p_i p_k| \gg m^2$, in connection with
the pseudoscalar meson theory. It is assumed that b bosons and
 $2f$ fermions ($b+2f = n+1$) with the impulses p_1, \dots, p_{n+1} , $\sum_{l=1}^{n+1} p_l = 0$
have a share in the considered process. The behavior of the matrix
elements \mathcal{M}_n is considered in two cases: 1) $p_i p_k \rightarrow \infty$, 2) $p_i^2 \rightarrow \infty$.
At first the behavior in the first non-vanishing approximation of
the theory of perturbation is determined. Then numerous corrections
are introduced. The author thanks D.V.Shirkov and B.V.Medvedev for
their valuable discussion of the results.

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