

YURKINA, V.I.; KAS'YANENKO, V.G. [Kas'ianenko, V.H.], akademik, otv. red.;
MARKEVICH, O.P. [Markevich, O.P.], akademik, red. toma; PIDOPLIHKO,
I.G. [Pidoplichko, I.H.], doktor biol. nauk, red.; VOINSTVENSKIY,
M.A. [Voinstvens'kyi, M.A.], doktor biol. nauk; PANASENKO, M.D.,
red. izd-va, red.; ROZENTSVEYG, Ye.N., tekhn. red.

[Fauna of the Ukraine in forty volumes] Fauna Ukrainy; v soroka
tomakh. Red. kollegiia: V.G.Kas'ianenko ta inshi. Kyiv, Vyd-vo
Akad. nauk URSR. Vol.17, no.4. [Fleas] Blokhi. 1961. 151 p.
(MIRA 15:6)

1. Akademiya nauk USSR (for Kas'yanenko, Markevich).
(Ukraine--Fleas)

ZHDANOV, Dmitriy Arkad'yevich, doktor med. nauk, prof., red.;
ZAZYBIN, Nikolay Ivanovich, zasl. deyatel' nauki, doktor
med. nauk, prof., red.; KAS'YANENKO, Vladimir Grigor'yevich,
doktor nauk, prof., akademi, red.; MIKHAYLOV, Vladimir
Pavlovich, doktor biol. nauk, prof., red.; SHEL'NIKOV,
Rafail Davidovich, doktor med. nauk, prof., red.; TORSKAYA,
Iya Vladimirovna, kand. biol. nauk, st. nauchn. sotr., red.;
SHCHELKUNOV, Serafim Ivanovich, doktor nauk, prof., red.

[Transactions of the Sixth All-Union Congress of Anatomists,
Histologists and Embryologists] Trudy Vsesoyuznogo s"ezda
anatomov, gistologov i embriologov. Khar'kov, M-vo zdravo-
okhraneniia SSSR. Vol.2. 1961. 791 p. (MIRA 16:12)

1. Vsesoyuznyy s"yezd anatomov, gistologov i embriologov.
6th, Kiev, 1958. 2. Chlen-korrespondent AN SSSR (for Shchelkunov,
Zhdanov, Zazybin). 3. Akademiya nauk Ukr.SSR i Institut zo-
ologii AN UkrSSR (for Kas'yanenko).

(Continued on next card)

ZHDANOV, Dmitriy Arkad'yevich --- (continued). Card 2.

4. Institut eksperimental'noy meditsiny AMN SSSR (for
Mikhaylov). 5. Kafedra normativnoy anatomii Khar'kovskogo
meditsinskogo instituta (for Sinel'nikov). 6. Institut
fiziologii im. A.A.Bogomol'tsa AN Ukr.SSR (for Torskaya).
(ANATOMY--CONGRESSES)
(HISTOLOGY--CONGRESSES)
(EMBRYOLOGY--CONGRESSES)

PUCHKOV, V.G. [Puchkov, V.H.]; MARKEVICH, O.P. [Markevych, O.P.],
akademik, red. toma; KAS'YANENKO, V.G. [Kas'ianenko, V.H.],
akademik, glav. red.; PIDOPLICHKO, I.G. [Pidoplichko, I.H.],
doktor biol. nauk, red.; BOSHKO, G.V. [Boshko, H.V.], kand.
biol. nauk, red.; PANASENKO, M.D., red. izd-va; RAKHLINA,
N.P., tekhn. red.

[Fauna of the Ukraine; in forty volumes] Fauna Ukrainy; v soroka
tomakh. Red. V.H. Kas'ianenko ta inshi. Kyiv, Vyd-vo Akad. nauk
URSR. Vol. 21 [Coreoidea] Kraiovyky. No. 2. Puchkov, V.H. 1962.
161 p. (MIRA 15:7)

1. Akademiya nauk USSR (for Kas'yanenko, Markevich).
(Ukraine--Coreoidea) (Ukraine--Leeches)

LUKIN, Ye.I.; KASYANENKO, V.G.[Kas'ianenko, V.H.], akademik, glav. red.;
MARKEVICH, O.P.[Markevych, O.P.], akademik, red.; PIDOPLICHKO, I.G.
[Pidoplichko, I.H.], red.; VOINSTVENSKIY, M.A.[Voinstvens'kyi, M.A.]
doktor biol. nauk, red.; BOSHKO, G.B.[Boshko, H.V.], kand. biol.nauk,
red.; PANASENKO, M.D., red. izd-va; ROZENTSVEYG, Ye.N., tekhn. red.

[Fauna of the Ukraine; in forty volumes]Fauna Ukrainy; v soroka
tomakh. Red. kol. V.H.Kas'ianenko ta inshi. Kyiv, Vyd-vo Akad.nauk
URSR. Vol.30 [Leeches; external and internal structure, ecology,
taxonomy, distribution and practical significance of leeches]

P'iavky; zovnishnia i vnutrishnia budova, ekologiya, systematyka,
poshyrennia ta praktychne zachennia p'iavok. 1962. 195 p.

(MIRA 15:7)

1. Akademiya nauk USSR (for Kas'yanenko, Markevich). 2. Chlen-
korrespondent Akademii nauk USSR (for Pidoplichko). 3. Kafedra zo-
ologii Kharkovskogo zooveterinarnogo instituta (for Lukin).

(Ukraine---Coreoidea) (Ukraine---Leeches)

KAS'YANENKO, V.G. [Kas'ianenko, V.H.]

A.N.Severtsov's school in Kiev. Pratsi Inst.zool.AN URSR
18:3-11 '62. (MIRA 16:1)
(Severtsov, Aleksai Nikolaevich, 1866-1936)
(Kiev--Zoological research)

KAS'YANENKO, V.G.

The influence of the type of support on the structure and function of the limbs of mammals.

Report to be submitted for the 16th International Zoology Congress
Washington, D.C., 20-27 Aug 63

KAS'YANENKO, V.G.

Lurii Aleksandrovich Orlov, 1893 - ; on his 70th birthday.
Arkh. anat. gist. i embr. 45 no. 11: 126-128 N '63.

(MIRA 17:8)

1. Adres avtora: Kiyev, Vladimirskaia ulitsa 56. Institut
zoologii AN UkrSSR.

KAS'YANENKO, V.I.; KIM, M.P., prof., nauchnyy red.; RATNER, V.I.,
red.

[Struggle of U.S.S.R. workers for technological independence from
1926 through 1932] Bor'ba trudiashchikha SSSR za tekhnicheskuiu
nezavisimost' promyshlennosti, 1926-1932 gg. Moskva, Izd-vo
VPSH i AON pri TsK KPSS, 1960. 65 p. (MIRA 13:6)
(Russia--Industries)

KAS'YANENKO, Vasilii Ignat'yevich, and. istor. nauk; MAKAROV, I.I.,
red.; RAKITIN, I.T., tekhn. red.

[Great deed of the party and the people; how the Soviet people
achieved the technical and economic independence of the
U.S.S.R.] Velikii podvig partii i naroda; zavoevanie sovetsk-
skim narodom tekhniki-ekonomicheskoi samostoiatel'nosti SSSR.
Moskva, Izd-vo "Znanie," 1962. 46 p. (Novoe v zhizni, nauke,
tekhnike. I Seriya: Istorii, no.2) (MIRA 15:4)
(Russia--Economic conditions)

3

L 54555-65 EWT(m)/EWG(m)/EWP(1) Pc-4 RWH/RM 24

ACCESSION NR: AP5016713 UR/0286/65/000/010/0016/0016

AUTHORS: Samborskiy, I. V.; Pashkov, A. B.; Saldadze, K. M.; Grachev, L. L.;
Chotverikov, A. F.; Parbafenkov, A. N.; Perevozkina, G. A.; Kas'yanenko, Ye. I.

TITLE: A method for producing ion exchangers. Class 12, No. 170908 15

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 10, 1965, 16

TOPIC TAGS: ion exchanger, chemical production, filler, cotton, fiber

ABSTRACT: This Author Certificate presents a method for producing ion exchangers by mixing (in a determined order) the combined components, heating, holding, cooling, and consolidating the reactive mass, which is finally crumbled and dried. To improve the mechanical, filtering, and absorption properties of the exchangers, a fibrous filler, such as cotton floss, is introduced into the reactive mixture before drying.

ASSOCIATION: Nauchno-issledovatel'skiy institut plasticheskiykh mass (Scientific Research Institute of Plastics)

SUBMITTED: 24Jul64	ENCL: 00	SUB CODE: 00
NO REF SOV: 000	OTHER: 000	
Cord 1/1		

KASYANEVICH, A. M.

USSR/ Engineering - Chain drives

Card 1/1 Pub. 128 - 5/34

Authors : Kasyanevich, A. M., and Volkov, I. G.

Title : Concerning the quality of noiseless chain-drives

Periodical : Vest. mash.³⁴ 12, 16-18, Dec 1954

Abstract : The design of a new type of a noiseless gear chain-drive with a link feed of 19.05 mm, and a width of 94 mm is discussed. Operational test results of the above mentioned chain drive and its comparison with drives produced by the Chain Factory are given. Illustrations; table.

Institution :

Submitted :

KAS'YANKOV, A. F.

KAS'YANKOV, A. F. (Khabarov Kray Veterinary Bacteriological Laboratory),
Poisoning of pigs with cottonseed cake.

So: Veterinariya; 23; 7; July 1946; Uncl.
TABCO N

~~KAS'YANOV, P.~~

Analysis of the composition of nonfreezing liquid for concrete.
Stroitel' 9 no.2:5 F '63. (MIRA 16:2)
(Frost resistant concrete)

KAS'YANKOV, P. P.

Apr 50

USSR/Physics - Aberration
Electron Microscope

"Computing the Aberration of Electrostatic Lenses
by the Method of Calculation of Trajectories," P.

P. Kas'yankov
"Zhur Tekh Fiz" Vol XX, No 4, pp 483-488

Kas'yankov sets up practical procedures that are
rather convenient for computing, by Newton's finite
differences, etc., the differential equations of an in-
calculating sagittal and meridional methods for
finitely fine beam.

163T106

Apr 50

USSR/Physics - Aberration (Contd)

facilitating calculation of trajectories of elec-
trons and spherical aberration. Submitted
8 Feb 49.

163T106

SA

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537,533.73

7007. Conditions for the correction of astigmatism and of curvature of field in (axially symmetric electrostatic) electron lenses. P. P. Kayankov. J. Tech. Phys., USSR, 20, 1486-84 (Dec., 1950) In Russian.

Starting from the differential ray equation, necessary and sufficient conditions are formulated for the correction of astigmatism, meridional and sagittal curvature of field. These conditions are expressed in terms of explicit functions of the axial potential and its derivatives, and have to be satisfied throughout the lens. J. G. E. Jennings.

ASB-11A METALLURGICAL LITERATURE CLASSIFICATION

SUBJECT										SUBJECT																			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

KAS'YANKOV, P. P.

USSR/Physics - Electron Lenses

Jan 52

"The Problem of Calculating an Electron Lens According to Given Condition on Third-Order Aberration," P. P. Kas'yankov

"Zhur Tekh Fiz" Vol XXII, No 1, pp 80-83

Acknowledges the helpful suggestions of A. A. Lebedev. Calculates an electron lens according to the probe method, just as in the case of optical lenses. Proposes a method which will permit one to reduce the problem of calg an electron lens, if only one condition on the 3-order aberration is set up, to the soln of a system of ordinary differential eqs. Submitted 20 Jan 51.

206T104

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APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721110006-3"

USSR/Physics - Electron optics
KAS'YANKOV, P. P.
Card 1/1 Pub 153 - 12/19

FD-3137

Author : Kas'yankov, P. P.
Title : Electron lenses whose spherical aberration is as small as desired
Periodical : Zhur. tekhn. fiz., 25, No 9 (September), 1955, 1639-1648
Abstract : The author expounds a method for calculating electron lenses which permits for any arbitrarily small epsilon greater than 0 to calculate the design for lens whose coefficient of spherical aberration of the third order is less than epsilon and whose field satisfies the usual conditions. The essence of the method consists in the characteristics of the axisymmetric electron lens with the aid of paraxial trajectory of the electron. He notes that previous attempts to calculate lenses with minimum spherical aberration turned out unsuccessful (O. I. Seman, ZhETF, 24, 5, 581, 1953; P. P. Kas'yankov, ZhTF, 23, 3, 531, 1953).
Institution : --
Submitted : March 8, 1954

KAS'YANKOV, P. P.

KAS'YANKOV, P. P. -- "Methods of Calculating Electronic Optical Systems." Leningrad Electrical Engineering Institute imeni V. I. Ulyanov (Lenin), Leningrad, 1956. (Dissertation for the Degree of Doctor of Technical Sciences)

SO: Knizhnaya Letopis' No 43, October 1956, Moscow

16(1); 24(3,4)

PHASE I BOOK EXPLOITATION

SOV/1614

Kas'yankov, Pavel Petrovich

Teoriya elektromagnitnykh sistem s krivolineynoy os'yu (Theory of the Electromagnetic System With Curvilinear Axis) [Leningrad] Izd-vo Leningr. univ., 1956. 84 p. 320 copies printed.

Sponsoring Agency: Leningrad. Elektrotekhnicheskiy institut.

Ed.: L.A. Kelarev; Tech. Ed.: A.V. Ivanova.

PURPOSE: This book is intended for physicists and mathematicians interested in the theory of electromagnetic systems with curvilinear axis.

COVERAGE: The book deals with the optics of electromagnetic systems with curvilinear axis and contains certain of the author's results in this field, a short presentation of which was given at the conference of the teaching staff of the Elektrotekhnicheskiy institut imeni V.I. Ul'yanova (Lenina) (Electrical Engineering Institute

Card 1/5

Theory of the Electromagnetic (Cont.)

SOV/1614

imeni V.I. Ul'yanov (Lenin), in April, 1955. Sufficient conditions are derived for the existence of a true image in the form of inequalities. Necessary and sufficient conditions are derived under which the true image is similar to the object. Similarity conditions as well as enlarging formulas are expressed by two solutions of the equation of a paraxial trajectory of an electron taken from the fundamental matrix. The method of calculation of an electromagnetic system with curvilinear axis from given focusing properties in a paraxial region is presented. The problem of aberration of the second kind of a monochromatic beam of trajectories and the problem of a chromatic aberration of the first kind are analyzed; taking into account relativistic corrections of electromagnetic systems with curvilinear axis, and the coefficients of aberrations are derived. Derivation of coefficients is based on equations of the trajectory of electrons. The following Soviet personalities are mentioned in connection with the development of

Card 2/5

Theory of the Electromagnetic (Cont.)³

SOV/1614

the theory: I.I. Tsukkerman, G.A. Grinberg, A.M. Strashkevich, and I.M. Pilat. There are 24 references, of which 16 are Soviet, 2 German, 1 French and 5 English.

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Theory of the Electromagnetic (Cont.)

SOV/1614

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Theory of the Electromagnetic (Cont.)

SOV/1614

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References

86

AVAILABLE: Library of Congress (QC 570.K3)

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the coefficients a_{11} , $a_{12}=a_{21}$ (for the system is self-adjointed) and a_{22} are ex-

Dokl. Akad. Nauk, 108, 813-816 (1956)

CARD 2 / 2

PA - 1239

explicitly mentioned as functions of the potentials.

If s is a straight line and if the field is symmetrical to it, the aforementioned system of equations may be replaced by the equation

$R''+TR = 0$ with $T = (3/16)\phi'^2/\phi^2 + (-e/8m\phi)\psi'^2$. Here e and m denote charge and mass of the electron, and the stroke denotes differentiation with respect to s .

The sufficient condition for the existence of a point of the interval (a, b)

which is conjugated with $s = a$ is $\int_a^b (R'^2 - TR^2) ds \leq 0$. Here $R(s)$ is a certain twice steadily differentiable function which vanishes at $s=a$ and $s=b$.

X is assumed to denote the matrix of the fundamental system of the solution of the last-named system of equations:

$$X = \begin{pmatrix} x_1 & x_2 & x_3 & x_4 \\ y_1 & y_2 & y_3 & y_4 \\ x_1' & x_2' & x_3' & x_4' \\ y_1' & y_2' & y_3' & y_4' \end{pmatrix} \Big|_{s=a} = \begin{pmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{pmatrix}$$

In order that the stigmatic picture be similar to the object, it is necessary and sufficient that the following conditions be satisfied:

$$x_1(b) = \pm y_2(b), \quad y_1(b) = \mp x_2(b) \quad \text{or}$$

$$x_4(b) \pm y_3(b), \quad y_4(b) = \mp x_3(b).$$

(similarity condition).

Next, conditions are made for the case that the electromagnetic field projects the plane $s=a$ in a similar manner on the plane $s=b$. The conditions for focussing in the paraxial domain are satisfied by an infinite manifold of electromagnetic fields.

INSTITUTION: Leningrad Electrotechnic Institute "V.I.UL'JANOV-LENIN"

KAS'YANKOV, P.P.

AUTHOR: Kas'yankov, P.P.

51-2-9/15

TITLE: On the electron-trajectory equations in electron-optical systems with curved axis. (Ob uravneniyakh trayektorii elektrona v elektronnoopticheskikh sistemakh s krivolineynoy os'yu).

PERIODICAL: "Optika i Spektroskopiya" (Optics and Spectroscopy) 1957, Vol.3, No.2, pp.169-179 (U.S.S.R.)

ABSTRACT: Theoretical paper. The author derives exact relativistic equations for electron trajectories in an arbitrary electron-optical system with a curvilinear optical axis. He shows that these equations can be simplified on the assumption that only the region close to the optical axis is the considered (paraxial case). In this approximate treatment the author takes into account only the first and second orders of the small quantities p , q , p' and q' , where p and q are the Cartesian coordinates of a point in a plane perpendicular to the optical axis and p' , q' are their first derivatives with respect to the third coordinate s . The trajectory equations are derived by two methods:- (a) starting with the equations of motion in tensor form, and (b) using the electron-optical analogue of the Fermat's principle (variational method). The author critically discusses G.A.Grinberg's (Ref.13) method for obtaining the paraxial electron-trajectory equations in

Card 1/2

Kas'yankov, P.P.

51-6-24/25

AUTHOR: Grinberg, G. A.

TITLE: Remarks on the Paper of P. P. Kas'yankov "On the Equations of Electron Trajectories in Electron-optical Systems with a Curvilinear Axis." (Ref.1) (Po povodu stat'i P. P. Kas'yankova "Ob uravneniyakh trayektorii elektrona v elektronnoopticheskikh sistemakh s krivolineynoy os'yu" .)

PERIODICAL: Optika i Spektroskopiya, 1957, Vol. III, Nr. 6, p.673. (USSR)

ABSTRACT: A letter. The fifth chapter of the above paper states that the method, proposed by me (i.e. by Grinberg) in 1942, for derivation of the fundamental electron-optical equations for curvilinear beams (Ref.2) leads allegedly to erroneous results. As shown in Ref.5 these allegations are wrong and they are based on an incorrect identification of a local system of coordinates x, y, z with a curvilinear system s, p, q . The equations derived by Kas'yankov in tensor form (Ref.1) lead to more cumbersome calculations, but are nevertheless essentially identical with my equations (Ref.2) in vector form. Since the exact equations of Kas'yankov and my own are identical, it

Card 1/2

51-6-24/25

Remarks on the Paper of P. P. Kas'yankov "On the Equations of
Electron Trajectories in Electron-optical Systems
with a Curvilinear Axis."

follows that approximations obtained algebraically
from the exact equations are also identical. This
does not exclude the possibility of numerical errors
in applications of my method (Refs. 3,8). There are
8 Russian references.

SUBMITTED: November 12, 1957.

AVAILABLE: Library of Congress.

Card 2/2

AUTHOR: Kas'yankov, P. P.

57-28-4-38/39

TITLE: ~~On the Letter by G. A. Grinberg, Professor, Corresponding Member, Academy of Sciences, USSR (Reference 1) (Po povodu pis'ma chlena-korrespondenta AN SSSR professora G. A. Grinberga (1)~~

PERIODICAL: Zhurnal Tekhnicheskoy Fiziki, 1958, Vol. 28, Nr 4, pp. 915-918 (USSR)

ABSTRACT: The author is of the opinion that Grinberg inexactly characterizes the author's (Kas'yanov) critical remarks concerning the Grinberg method. The author does not contradict the local system of rectangular coordinates introduced by Grinberg, but the not allowable omission of the sign. The sections where this was the case were given in the remarks. It is shown that by the omission of the sign 0 the local system of coordinates is necessarily changed into a curved coordinate system. There are 6 references, all of which are Soviet.

Card 1/2

On the Letter by G. A. Grinberg, Professor,
Corresponding Member, Academy of Sciences,
USSR (Reference 1)

57-28-4-38/39

SUBMITTED: November 30, 1957

Card 2/2

AUTHOR: Kus'yankov, P. F.

SOV/20-120-3-16/67

TITLES: On the Conditions for the Existence of a Stigmatic Image in
Electrooptical Systems Having a Curvilinear Axis (Об
условьях существования стигматического изображения
в электрооптических системах с криволинейной осью)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol. 120, Nr 3, pp. 497-500
(USSR)

ABSTRACT: The present paper determines the conditions which are adequate
for the existence of a stigmatic image in the paraxial range
of a system with curvilinear axis. First the method of de-
nomination used here is explained. On the basis of the theo-
rem developed by Poincaré (Пуанкаре) it is possible to re-
present the quantities representing the paraxial trajectories
in form of rows. A method of attaining rapid convergence of
these rows is mentioned in short. The system of equations in
first approximation for systems differing only little from
an axially symmetric system is written down. This system of
equations is suited also for electro-optical systems, the
deviations from the axially-symmetric system of which are
no longer small. The author here uses the following equation:

Card 1/3

SOV/20-120-3-16/67

On the Conditions for the Existence of a Stigmatic Image in Electrooptical Systems Having a Curvilinear Axis

$$r'' + \left(\frac{\gamma}{16} - \frac{\Phi'^2}{\Phi^2} + \frac{e}{8m\Phi} \Psi'^2 \right) r = 0; \text{ also the necessary boundary}$$

conditions are mentioned. The fundamental matrix of the system of first approximation is then written down. The solutions of the system for the next-higher approximations are determined by the method of varying random constants in form of quadratures. The conditions for the stigmatic image, which are found by calculation, are explicitly written down. The results obtained may also be applied to problems connected with the theoretical investigation of the effect produced by a stigmatizer. There are 5 references, 3 of which are Soviet.

ASSOCIATION: Leningradskiy elektrotekhnicheskii institut im. V. I. Ul'yanova
(Lenina)
(Leningrad Institute of Electrical Engineering named V. I. Ul'yanov (Lenin))

PRESENTED: February 22, 1958, by A. A. Lebedev, Member, Academy of Sciences, USSR
Card 2/3

SOV/20-120-3-16/67
On the Conditions for the Existence of a Stigmatic Image in Electronoptical
Systems Having a Curvilinear Axis

SUBMITTED: February 13, 1958

1. Electron optics--Mathematical analysis
2. Electron optics
--Properties
3. Approximate computation--Applications

Card 3/3

24(3, 4)

SOV/170-59-4-15/20

AUTHOR: Kas'yankov, P. P.

TITLE: On Quasisymmetrical Electron-Optical Systems (O kvazisimmetrichnykh elektronnoopticheskikh sistemakh)

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1959, Nr 4, pp 103-107 (USSR)

ABSTRACT: The author points out some errors in the papers of Wendt [Ref 2] and Tsukkerman [Ref 3] dealing with the systems with axial symmetry. Then he proves the following statement: an electromagnetic system with a curvilinear axis, which satisfies the condition of quasisymmetry (Wendt's condition) possesses the property of axial symmetrical systems, i.e., that every real image in such a system is stigmatic and similar to an object. The author shows that every quasisymmetrical system can be considered as a particular case of an orthogonal system. However, quasisymmetrical systems are of interest by themselves in view of some of their important properties which are discussed by the author.

Card 1/2

On Quasisymmetrical Electron-Optical Systems

SOV/170-59-4-15/20

There are 5 references, 2 of which are Soviet, 2 English and 1 German.

ASSOCIATION: Elektrotekhnicheskiy institut imeni V.I. Ul'yanova (Lenina)
(Electro-Engineering Institute imeni V.I. Ul'yanov (Lenin),
Leningrad.

Card 2/2

AUTHOR: Kas'yankov, P. P.

SOV/48-23-6-10/28

TITLE: On a Method of Theoretical Investigation of Stigmatizer Properties (Ob odnom metode teoreticheskogo issledovaniya svoystv stigmatora)

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1959, Vol 23, Nr 6, pp 711 - 715 (USSR)

ABSTRACT: In the introduction to the present paper the causes of axial astigmatism are briefly discussed, and the stigmatizing fields are given as the aim of the investigation to be carried out. The system of equations characterizing the focusing properties of the electron-optical system are given (1) and its solutions are obtained by means of the differential equation (3). The condition for the correction of axial astigmatism in a certain plane are then given for an electrostatic system, and these conditions are generalized for a larger interval. The conditions for the stigmatic image by a stigmatizing field are investigated and the similarities of the conditions established here are compared with those for the correction of the aberration in axially-symmetric systems; the correction method is briefly

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On a Method of Theoretically Investigation of
Stigmatizer Properties

SOV/48-23-6-10/28

outlined. The method introduced may be used for the purpose of calculating the tolerances of the produced particles and their adjustment in the presence of a stigmatizer. The author thanks A. A. Lebedev for his valuable advice. There are 5 references, 3 of which are Soviet.

Card 2/2

9.3140

S/044/60/000/009/013/021
0111/0222

AUTHOR: Kas'yankov, P.P.

TITLE: Some Questions of the Theory of the Method of the Optical Bench
in Electron Optics

PERIODICAL: Referativnyy zhurnal. Matematika, 1960, No.9, p.102
Abstract No.10441. Izv.Leningr.elektrotekhn.in-ta, 1957,
vyp 31, pp.144-155

TEXT: The author investigates the question of the generation of axial symmetrical electronic fields with a given potential on the axis. It is shown that for a given potential distribution on the axis the potential in the space is determined uniquely. General remarks on the determination of the potential of a system of conducting rings with a common axis (optical bench) are given. ✓B

[Abstracter's note: The above text is a full translation of the original Soviet abstract.]

Card 1/1

S/051/61/011/006/007/012
E032/E114

AUTHOR: Kas'yankov, P.P.

TITLE: Calculations of cathode-lens aberrations

PERIODICAL: Optika i spektroskopiya, v.11, no.6, 1961, 765-767

TEXT: The well known formulas describing first order chromatic aberrations and third order geometric aberrations of cathode lenses contain algebraic fractions (V. Glazer, Ref. 1; Fundamentals of Electron Optics, GITTL, Moscow, 1957). At low electron energies, the denominators of these fractions become very small, with the result that the fractions become large and inconvenient in calculations. The present author reports algebraic formulas which do not contain such fractions and are therefore convenient in the calculation of the aberrations of large-aperture beams and give the aberrations in an arbitrary plane. They can be used to evaluate the aberrations of arbitrary axially symmetric systems, including reflecting systems. There are 2 references: 1 Soviet-bloc and 1 translation into Russian from a non-Soviet publication.

SUBMITTED: January 9, 1961
Card 1/1

9.3140

24802
S/048/61/025/006/001/010
B117/B212

AUTHORS: Kas'yankov, P. P. and Dutova, K. P.
TITLE: The problem of aberrations in electron-optical systems
PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya,
v. 25, no. 6, 1961, 665 - 667

TEXT: The present paper has been presented at the 3rd All-Union Conference on Electron Microscopy, held in Leningrad from October 24 to 29, 1960. The authors tried to find an explanation why known formulas yield wrong results for the calculation of aberrations of a homogeneous magnetic field. The main condition for applying formulas for 3rd-order aberrations is found to be fulfilled if the electron beams involved in producing an image of each point of an object are limited. In various electron-optical systems, such as electron microscopes, electron beams are limited by special stops similar to that in light-optical systems. These stops do not affect the calculation of the aberration of electron beams. But the beams emerging from different points of the object have to be characterized by the same parameters. Therefore, when calculating

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S/048/61/025/006/001/010
B117/B212

The problem of aberrations ...

the aberration of a system with stops, it is considered to be a special case of a system without stops. The main beams will run parallel to the optical axis if the magnetic field is homogeneous. The homogeneous magnetic field cannot be considered as a special case of systems with stops since the main beams of the latter intersect with the optical axis. The formulas derived in textbooks for the aberration coefficients assume that the beams are limited by special stops. It can be seen from the facts mentioned above that such formulas cannot be used to calculate the aberration of systems without stops and, especially, not that of a homogeneous field. Starting from known equations for electron trajectories in a Cartesian coordinate system at rest, where the z-axis coincides with the axis of symmetry, the authors have found the following 3rd-order formulas for the aberration coefficients:

$$\left. \begin{aligned} \Delta x &= B_1(x_0^2 + y_0^2)x_0' + x_0[F_1(3x_0^2 + y_0^2) + \\ &\quad + 2f_1x_0'y_0'] + [(2C_1 + D_1)x_0' + c_1y_0']x_0^2 + E_1x_0^3; \\ \Delta y &= B_1(x_0^2 + y_0^2)y_0' + x_0[2Fx_0'y_0' + f_1(x_0^2 + \\ &\quad + 3y_0^2)] + D_1y_0' + c_1x_0^2x_0' + e_1x_0^3. \end{aligned} \right\} \quad (4)$$

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24802

S/048/61/025/006/001/G10

B117/B212

The problem of aberrations ...

The calculation of aberration in a homogeneous magnetic field from these formulas is found to be correct. The formulas have the same form as the formulas (120.5) presented in chapter 18 of the monograph by V. Glaser (Ref. 1: Osnovy elektronnoy optiki (Fundamentals of electron optics), translation into Russian, GITTL, M., 1957). The difference lies in the fact that the initial data in the formulas (120.5) are not expressed in a stationary but in a rotating system. A transformation of the formulas (120.5) to the initial data in a stationary system yields a relation between the coefficients B_1 , C_1 , D_1 from (4) and the quantities B_2 , C_2 , D_2 as obtained by Glaser. The authors thank A. S. Vlasov, Y. V. Vorobiyev and O. I. Seman for discussing the paper. There are 2 Soviet-bloc references.



Card 3/3

KAS'YANKOV, P.P.

Calculating the aberration of cathode lenses. Opt. i spektr. 11
no.6:765-767 D '61. (MIRA 14:11)
(Aberration) (Cathodes)

DUTOVA, K.P.; KAS'YANKOV, P.P.

Calculation of electron-optical systems with corrected astigmatism.
Izv. AN SSSR. Ser. fiz. 27 no.9:1127-1130 S '63. (MIRA 16:9)
(Electron optics)

KAS'YANKOV, P.P.

[Integral calculus of functions of a single variable; a
textbook] Integral'noe ischislenie funktsii odnogo pe-
remennogo; uchabnoe posobie. Leningrad, Leningr.
tekhnolog. in-t im. Lensoвета. Pt.3. 1963. 62 p.
(MIRA 17:11)

KAS'YANKOV, P.P.

[Analytic geometry; textbook for students majoring in technical chemistry and engineering, part one] Analiticheskaia geometriia; uchebnoe posobie dlia studentov khimiko-tekhnologicheskikh i mekhanicheskikh spetsial'nostei. Chast' pervaja. Leningrad, Leningr. tekhnolog. in-t, 1964. 102 p. (MIRA 18:12)

L 36996-66 EWT(1) IJP(c) AT

ACC NR: AFG01575

(A, N)

SOURCE CODE: UR/0048/66/030/005/0735/0738

AUTHOR: Gurbanov, G. G.; Kas'yankov, P. P.62
B

ORG: none

TITLE: Concerning the calculation of electrostatic electron-optical systems with correction of astigmatism /Report, Fifth All-Union Conference on Electron Microscopy held in Sumy 6-8 July 1965/

SOURCE: AN SSSR: Izvestiya. Seriya fizicheskaya, v. 30, no. 5, 1966, 735-738

TOPIC TAGS: electron optics, electrostatic field, aberration, optic resolution

ABSTRACT: This paper is based on earlier work by P.P.Kas'yankov and collaborators (Zh. tekhn. fiz., 22, 80 (1952)); Izv. AN SSSR. Ser. fiz., 27, 9, 1127 (1963)); Optiko-mekhanicheskaya promyshlennost', 11 (1964)) on the calculation of electron-optical systems with correction of different third order aberrations; notation and formulas from the earlier work are used freely without redefinition or derivation, and the present paper cannot be understood without reference to the earlier papers. In the earlier work an auxiliary function whose integral along the optic axis from the object point to the image point vanishes was used to reduce the calculation of the system to the solution of a set of ordinary differential equations. In the present paper there are briefly discussed two different designs that arise from different choices for the

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ACC NR: AP601573

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auxiliary function. The auxiliary function, which in both cases involves disposable parameters, is written down, as are the differential equations. The differential equations were solved with the aid of a computer. In one design the resolution (radius of the circle of confusion) is 0.06 cm at an object distance of 1.5 cm and an aperture angle of 60° ; in the other design all the third order aberrations are less than 10^{-7} , there is a real image, and the magnification is less than 0.01. Orig. art. has: 16 formulas and 2 figures.

SUB CODE: 20/

SUM DATE: 00/

ORIG REF: 004/

OTH REF: 000

Card 2/2 *JK*

KAS'YANOV, A., aspirant

Some conclusions about production organization on state dairy farms. Zhivotnovodstvo 20 no. 10:32-35 0 '58. (MIRA 11:10)

1. Institut ekonomiki AN SSSR.
(Dairying)

KAS'YANOV, A., nauchnyy sotrudnik

Claws and drag harrow. Nauka ipered.op. v sel'khoz. 9
no.3:58 Nr '59. (MIRA 12:5)
(Farm equipment)

KAS'YANOV, A.

Interpret problems of the monetary payment of wages on collective farms more profoundly ("Economic efficiency of monetary wages on collective farms" and "How to make the transition to monetary wages" by K.A. Okhapkin. Reviewed by A.Kas'ianov). Sots.trud 6 no.3:150-153 Mr '61. (MIRA 14:3)
(Collective farms—Income distribution) (Okhapkin, K.A.)

KAS'YANOV, A.

At the Skopin Glass Factory. Za indus.Riaz. no.2:14-16 D '61.
(MIRA 16:10)

1. Glavny inzh. Skopinskogo stekol'nogo zavoda.

KAS'YANOV, A.

Features of kiln construction. Stroitel' no.10:29 0 '61.
(Kilns) (Firebrick) (MIRA 14:11)

KAS'YANOV, A.

Characteristics of brickwork in furnace construction. Pozh.delo
8 no.4:11 Ap '62. (MIRA 15:4)
(Furnaces--Construction)

ZINOV'YEV, B.S.; KAS'YANOV, A.F.; LAPSHIN, I.I.; SHARAFUTDINOV, M.;
LUZYANIN, D. Kh.; BRYUSHKOV, P.N.; SAVCHENKO, P. Ye.;
KOSOVER, S.I.; SHUL'MAN, I.Ye.; LAPSHIN. I.I.

Information. Veterinaria 38 no.8:91-96 Ag '61 (MIRA 18:1)

KAS'YANOV, A. F.

KAS'YANOV, A. F. (Khabarov Kray Veterinary Bacteriological Laboratory). Winter parasitic existence of the ticks of the family Ixodidae on agricultural animals in Khabarov Krai.

So: Veterinariya; 24; 10; October 1947; Uncl.
TABCON

KAS'YANOV, A. N. --

"The Study of the Primary Immunological and Cultural Biological Characteristics of Brucella suis Strain No 61." Cand Vet Sci, Moscow Veterinary Acad, Moscow, 1953. (RZhBiol, No 2, Sep 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10)

SO: Sum. No. 481, 5 May 55

KAS'YANOV, A. I.

Kas'tyanov, A. K. -- "The Center of the City of Khar'kov." Acad of Architecture of the Ukrainian SSR, Inst of City Construction, Kiev, 1955 (Dissertation for Degree of Candidate in Architectural Sciences.)

SO: Knizhnaya Letopis', No. 23, Moscow, Jun 55, pp 87-104

KAS'YANOV, A.M.

ARTEMCHUK, Vsevolod Ivanovich, kandidat tekhnicheskikh nauk; KAS'YANOV, A.M.,
kandidat arkhitektury, redaktor; ALEKSANDROVSKIY, A., redaktor;
IOAKIMIS, A., tekhnicheskii redaktor.

[Technological and economic indexes of city construction] Gradostroi-
tel'nye tekhniko-ekonomicheskie pokazateli. Pod obshchei red. A.M.
Kas'ianova, Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. USSR, 1956.
207 p. (MIRA 10:6)

(Ukraine--City planning)
(Ukraine--Municipal engineering)

KAS'YANOV, A.N.; BURDOV, A.; PODKOPAYEV, V.M.; KOTENKO, B.;
SAMARYANOV, M.B.

In the Soviet Union. Veterinariia 39 no.10:92-96 0 '62.
(MIRA 16:6)
(Veterinary medicine)

KAS'YANOV, A.N.; KRAPIVNER, L.M.; LUZYANIN, D.; SHARABRIN, I.;
KHAVCHENKO, D.; AFANAS'YEV, Ya.I.; ABUSHAYEV, I.Sh.;
IMANOV, E.D.

Information and brief news. Veterinariia 40 no.4:87-93
Ap '63. (MIRA 17:1)

GONIKMAN, Iosif Grigor'yevich; KOVALKIN, Ivan Dmitriyevich; GLADKOV,
V.A., red.; KAS'YANOV, A.P., red.; BARANOV, I.A., tekhn. red.

[In the name of a lofty goal] Vo imia vysokoi tseli. Mur-
mansk, Murmanskoe knizhnoe izd-vo, 1960. 33 p. (MIRA 16:5)
(Murmansk Province--Fisheries)

GRIBANOV, P.G.; LAPINA, A.A. METELITSYN, G.T.; MORAR', I.M.;
NIZHENKO, T.A.; RYBNIKOV, N.N.; SEL'MANOVICH, L.V.;
KAS'YANOV, A.P., red.; BARANOV, I.A., tekhn. red.

[Aid to the study of the economics of the trawler fleet]
V pomoshch' izuchaiushchim ekonomiku tralovogo flota.
Murmansk, Murmanskoe knizhnoe izd-vo, 1960. 76 p.
(MIRA 16:5)

(Trawls and trawling--Accounting)
(Index numbers (Economics))

DECEASED

BIANKI, V.V., red.; KARPOVICH, V.N., red.; SKOKOVA, N.N., red.;
KAS'YANOV, A.P., red. [deceased]; BELYAYEV, N.F., tekhn.
red.

[Kandalaksha State Preserve] Kandalakshskii gosudarstven-
nyi zapovednik; nauchno-populiarnyi ocherk. Murmansk, Mur-
manskoe knizhnoe izd-vo, 1961. 87 p. (MIRA 16:6)

1. Kandalakshskiy gosudarstvennyy zapovednik.
(Kandalaksha Preserve)

KAS'YANOV, A. V. I DYENISOV, A. P.

30458

Isslyedovaniye parovoznykh dyeflyektorov na modyelyakh. Trudy
mosk. elyektromyekhan. in-ta inzyenyerov Z-D. Transportp im.
dzyerzinskogo, Vyp. 59, 1949, S. 208-34.

SO: Letepis' No. 34

KAS'YANOV, A. V.

"Utilization of High Pressure Steam in Locomotives" in the book Some Problems on the Thermodynamic Research In Thermotechnics, Mashgiz, 1954.

KAS'YANOV, A.V., kandidat tekhnicheskikh nauk.

Use of high-pressure steam in locomotives. [Trudy] MVTU no.27:
98-128 '54. (MLRA 7:11)
(Locomotives)

KAS'YANOV, A.V., kandidat tekhnicheskikh nauk, dotsent.

Investigation of spark extinguishers for locomotives. [Trudy]
MVTU no.43:85-92 '55. (MLBA 9:8)
(Locomotive sparks)

KAS' YAEV, A.V., kandidat tekhnicheskikh nauk.

Investigating the spark extinguishing process in locomotive boilers.

[Trudy] MVTU no.51:50-63 '55.

(MLRA 9:8)

(Locomotive sparks)

Handwritten notes at the top of the page.

PLATE I BOOK EXPLANATION

807/4516

Author: Vsesoyuzny nauchno-issledovatel'skiy institut avtomaticheskogo upravleniya (Vsesoyuznyy nauchno-issledovatel'skiy institut avtomaticheskogo upravleniya) (Problems in Gas Turbine Locomotive Building and Heat-Power Engineering in Transportation Collection of Articles) Moscow, Transportnoy Literatury, 1968. 216 p. (Plate: 77p. 157) 1,000 copies printed.

Promoting Agency: Vsesoyuzny nauchno-issledovatel'skiy institut avtomaticheskogo upravleniya.

Ed.: (Title page) Ye. F. Burzhak, Candidate of Technical Sciences, and A. F. Kas'yanov, Candidate of Technical Sciences; Ed. (Title book): I. K. Pechenkin; Tech. Ed.: P. A. Etkov.

REMARKS: This book is intended for engineering and technical personnel.

CONTENTS: The book consists of 13 articles on the results of theoretical investigations of the turbine units with cross-axes flow combustion, and on theoretical and experimental investigations on the work units and their components. Special features of variable speeds of rotation for turbine engines and problems of fuel economy in locomotive and stationary units are discussed. No personalities are mentioned. Addresses accompany some of the articles.

Author: Ye. F. Burzhak, Candidate of Technical Sciences. Now Residing in Chicago of Illinois.

Ye. F. Burzhak, Candidate of Technical Sciences. Current Address: 1111 N. Dearborn Ave., Chicago, Illinois 60642.

A. F. Kas'yanov, Candidate of Technical Sciences, Ye. F. Burzhak, Candidate of Technical Sciences, and Ye. P. Etkov, Candidate of Technical Sciences. Address: Institute of Gas Turbine Locomotive Engineering of Centralnyy Nauchno-Issledovatel'skiy Institut Avtomaticheskogo Upravleniya, Moscow, U.S.S.R.

Ye. F. Burzhak, Candidate of Technical Sciences. Current Address: 1111 N. Dearborn Ave., Chicago, Illinois 60642.

Ye. P. Etkov, Candidate of Technical Sciences. Current Address: 1111 N. Dearborn Ave., Chicago, Illinois 60642.

Ye. F. Burzhak, Candidate of Technical Sciences. Current Address: 1111 N. Dearborn Ave., Chicago, Illinois 60642.

Ye. P. Etkov, Candidate of Technical Sciences. Current Address: 1111 N. Dearborn Ave., Chicago, Illinois 60642.

SHELEST, Pavel Alekseyevich, kand.tekhn.nauk [deceased]; CHERNOMORDIK, B.M., kand.tekhn.nauk, retsenent; KAS'YANOV, A.V., kand.tekhn.nauk, red.; BASENTSYAN, A.A., red,izd-va; UVAROVA, A.F., tekhn.red.; KL'KIND, V.D., tekhn.red.

[Free-piston gas generators] Bezval'nye generatory gazov.
Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960.
379 p. (MIRA 13:11)

(Gas producers)

KAS'YANOV, A.V., kand.tekhn.nauk; RADIN, Yu.Ye., kand.tekhn.nauk;
KHIL'KOVSKAYA, Ye.P., inzh.

Aerodynamic investigation of the elements of the gas-turbine loco-
motive air preheater. Trudy TSNII MPS no.187:110-126 '60.
(MIRA 13:11)

(Gas-turbine locomotives)

KAS'YANOV, A.V.; IVANOV, V.I.; KHIL'KOVSKAYA, Ye.P.; SERGEYEV, A.A.;
FILIPPOVA, L.S., red.; GROMOV, Yu.V., tekhn.red.

[Heat exchange systems of series N60 a.c. electric locomotives]
Teploobmennye ustroistva elektrovozov peremennogo toka serii
N60. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei
soobshchenia, 1961. 22 p. (MIRA 15:2)
(Electric locomotives--Cooling)

RAS'YANOV, A.V.

Report presented at the Conference on Heat and Transfer.
Minsk, USSR, 5-10 June 61.

M-2312
35

- 270. V. I. Borovoy, I. K. Nosa, Pulsion of Boilers at High Superheats and Flow
- 271. A. J. Kay, The Heat Transfer Coefficient for Flow in a Pipe.
- 272. A. I. Belikov, L. S. Shchegolev, Experimental Investigation of NBP and Temperature Jump at Saturated Air Flow Heat and Mass Transfer
- 273. A. N. Zhurav, On Some Results of the Investigation of Heat Transfer by Forced Gas at Natural Convection
- 274. L. S. Ginzburg, O. I. Balyuzova, Heat Transfer at the Process of Multilayer-Convective Bodies by Stagnant Fluid
- 275. V. A. Baum, Influence of the Mass Transfer Coefficients on Water Evaporation Distribution in the Assembly of the Water-Subcooled Non-cooled Steam
- 276. V. I. Shchornik, S. P. Kuznetsov, V. I. Sidorov, Investigation of Heat Removal by Liquid Film Heat Acorns on Surfaces of Heat Heat Cool Elements.
- 277. K. M. Palchikov, Some Principal Problems of Critical Methods of Heat Transfer Surface Investigation.
- 278. F. I. Kozlovich, Application of the Thermodynamic Similarity Principles for Heat Transfer Calculations.
- 279. V. E. Medvedev, Generalization of the Newton Law of Cooling.
- 280. V. E. Medvedev, Particularities of Heat Transfer Through the Wall with Convective Film at Surface Cooling.
- 281. A. V. Parshakov, Investigation of Convective Heat Transfer in Turbulent Flow with Film.
- 282. O. J. Schaeffer, Some Problems of Heat and Mass Transfer Studied in the National Research Institute of Heat and Mass Transfer.
- 283. I. R. Buzina, Investigation of Heat Transfer Between Gas and Solid Surface by Means of Analogical Model.
- 284. M. V. Bulikov, S. S. Dzhurav, The Theory of Convective and Diffusive Migration of an Evaporating Droplet.
- 285. Z. L. Kirovskiy, M. E. Shchegolev, Critical Heat Flow at Water Evaporation in Pipes.
- 286. I. L. Yastrebnyy, Application of the Correspondence Principle for Heat Transfer Calculation at Evaporation of a Droplet.

YEGOROV, Ye.N.; KAS'YANOV, B.L.

Intensive transformations of seashores caused by the advancement
or river deltas and the construction of piers. Trudy Inst. okean.
53:42-51 '61. (MIRA 15:2)

(Coast changes)

KAS'YANOV, B.L.

Discontinue the holding of canned food in thermostats. Kons.i
ov.prom. 17 no.10:26-27 0 '62. (MIRA 15:9)

1. Temryukskiy konservnyy zavod.
(Canning industry--Quality control)

USSR/Cultivated Plants - Potatoes, Vegetables, Melons.

1.

Abs Jour : Ref Zhur - Biol., No 10, 1958, 44105

Author : Kas'yanov, F.M.

Inst :

Title : Potato, Trailing and Vegetable Cultures Under the Protection of Forest in Semi-Desert.

Orig Pub : S. kn. Novolzh'ya, 1957; No 8, 52-53.

Abstract : Many years of experimentation at the Bogdinsk experimental station (Astrakhanskaya Oblast' has shown that under the protection of forest strips (belts) the average water-melon yield in dry and very dry years in the spaces between the strips amounted to 97 centners/ha compared to 33 centners/ha in the open steppe. In more favorable years the yield was 139 and 52 centners/ha respectively. The watermelon crop of the first grade (by weight) was 87-93% and 32-62% respectively. The ripening of the watermelon

Card 1/2

- 56 -

KAS'YANOV, F.M., kand.sel'skokhozyaystvennykh nauk

Practices in the afforestation by planting in clusters in the
Caspian Sea region. Agrobiologiya no.6:905-911 N-D '62.
(MIRA 16:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut agrolesome-
lioratsii, g. Volgograd.
(Caspian Sea region—Afforestation)

KAS'YANOV, F.M., kand.sel'skokhoz.nauk (Volgograd)

Green umbrellas at the service of sheep farming. Priroda 54
1983-84 P. 165.

(MIRA 18:20)

KAS'YANOV, G.I.

Hydrodynamics

Professor I.I. Agroshkin's formuls for Chezy's coefficient C, Gidr. stroi. 21, No. 3, 1952

9. Monthly List of Russian Accessions, Library of Congress, July 195~~2~~³, Uncl.

KAS'Y SOV, I., ekonomist

Supplying spare parts. Avt.transp. 37 no.3:47 Mr '59.

(MIRA 12:4)

1. Pologskaya avtotransportnaya kontora Zaporozhskoy oblasti.
(Automobiles--Apparatus and supplies)

AUTHOR: Kas'yanov, I., Director of School SOV/27-58-11-13/29

TITLE: Day of Engineering (Den' tekhniki)

PERIODICAL: Professional'no - tekhnicheskoye obrazovaniye, 1958, ¹⁵ Nr 11, p 16 (USSR)

ABSTRACT: The Uchilishche mekhanizatsii sel'skogo khozyaystva Nr 6 Rostovskoy oblasti (Agricultural Mechanization School Nr 6, Rostov Oblast) has a great stock of machinery. On the "Day of Engineering", the students must carry out the entire technical maintenance program required. The author points out that the training program of the school, among other subjects, also contains one called "Machines Used in Animal Husbandry". He tells of the practical training given to the students in kolkhozes and sovkhoses, of the harvesting work performed by students on combines, and of the good work performed by the students. There are 3 photos.

1. Industrial training 2. Personnel Performance

Card 1/1

KAS'YANOV, I.

Need for a change in the fuel supply system for motor vehicles.

Avt.transp.39 no.2:17 F '61.

(MIRA 14:3)

(Motor vehicles—Fuel systems)

BIRYUKOV, F. (Dnepropetrovsk); NAYKIN, V. (Dnepropetrovsk); KAS'YANOV,
I. (Dnepropetrovsk)

Deivce for the unloading of containers. Sov. torg. 35 no.5:
57-58 My '62. (MIRA 15:5)

(Loading and unloading)

KAS'YANOV, I. S.

K izucheniyu diagnostiki i epizootologii skryabinotrematoza cveta,
"Works on Helminthology" on the 75th Birthday of K. I. Skryabin, Izdat, Akad.
Nauk, SSSR, Moskva, 1953, page 306.
Helminthology Laboratory, AS USSR

KAS'YANOV, I.S.

Biology of the trematode *Skrjabinotrema ovis* (with elements of diagnosis and the epizootiology of the disease). Trudy Gel'm.lab. 7:386 '54.
(Trematoda) (MIRA 8:5)

KAS'YANOV, I.S.; ELPAT'YEVSKAYA, G.N.

Effect of external temperature on the course of radiation sickness. Vest.rent. 1 rad. no.4:11-14 J1-Ag '55(MIRA 8:12)

1. Iz radiologicheskogo otdela (zav.-prof. A.V.Kozlova)
Gosudarstvennogo nauchnoissledovatel'skogo instituta rentgenologii i radiologii imeni V.M.Molotova (dir. I.G.Lagunova)
(RADIATION SICKNESS, experimental
eff. of external temperature on course, in rats)
(TEMPERATURE, effects
on course of exper.radiation sickness in rats)

KASYANOV I. S.
EXCERPTA MEDICA Sec 14 Vol 12/11 Radiology Nov 58

1837. INTUSSUSCEPTION AS A COMPLICATION OF RADIATION SICKNESS
(Russian text) - Zuikova E. A. and Kasyanov I. - VESTN. RENTGEN-
OL. RADIOL. 1957, 32/5 (89-92) Tables 1 Illus. 4

The digestive tract is highly sensitive to ionizing radiation and the changes taking place in it have a prominent place in the clinical picture of radiation sickness. Besides disturbances of secretion, digestion and absorption and a marked increase in permeability of the intestinal wall, the motor function is deranged. These changes find their clinical expression in nausea, vomiting, colicky pains and diarrhoea. Marked disorders of the motor function can lead to intussusception. The authors report on 3 cases of intussusception of the small and large bowels in dogs who had received a total X-ray dose of 500 r. Acute radiation sickness in these animals ran a more severe and rapid course than in the controls. All cases ended in death on the 6-10th day after irradiation with symptoms of intestinal obstruction. Morphological changes in the dead animals were typical of acute radiation sickness and differed from the irradiated control cases by more marked dystrophic changes in the liver, kidneys and heart. (XIV, 9)

*Radiology Dept, Sci Res Inst of
Radiology & Roentgenology*

CHAYKOVSKAYA, M.Ya.; KAS'YANOV, I.S.; VAYSBERG, G.Ye.

Use of bicillin and oxytetracycline in the treatment of acute forms of radiation sickness [with summary in English]. Antibiotiki 3 no.6:92-95 N-D '58. (MIRA 12:2)

1. Radiologicheskiy otdel (zav. - prof. A.V. Kozlova) Gosudarstvennogo nauchno-issledovatel'skogo instituta rentgenoradiologii i kafedra mikrobiologii (zav. - chlen-korrespondent AMN SSSR prof. Z.V. Yermol'yeva) Tsentral'nogo instituta usovershenstvovaniya vrachey.

(PENICILLIN, effects,
benzathine penicillin G, on acute radiation sickness
in dogs (Rus))

(OXYTETRACUCLINE, eff.
on acute radiation sickness in dogs (Rus))

(ROENTGEN RAYS, eff.
eff. of benzathine penicillin G & oxytetracycline
on massively-irradiated dogs (Rus))

SERGEL', O.S.; BIRUKOV, I.N.; KAS'YANOV, I.S.; SVIRIDOV, N.K.

Dynamics of luminescence of the internal organs of animals in vivo following the action of ionizing radiation. Preliminary report.
Lab. delo 7 no.1:5-7 Ja '61. (MIRA 14:1)

1. Radiologicheskiy otdel (zav. - prof. A.V. Kozlova) Gosudarstvennogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta Ministerstva zdravookhraneniya RSFSR i kafedra nauchnoy fotografii i kinematografii (zav. - chlen-korrespondent AN SSSR prof. K.V. Chibisov) Moskovskogo gosudarstvennogo universiteta.
(RADIOACTIVE TRACERS) (FLUORESCENCE)
.. (VISCERA)

KASYANOV, I.S. (Moskva); SVIRIDOV, N.K. (Moskva); ZVEREV, M.P. (Moskva)

Comparative biological effectiveness of the action of γ -radiation from 25 Mav. betatron and 180 kw X-radiation. Trudy TSentr. Nauch.-issl. inst. rentg. i rad. 11 no.1:36-41 '64.
(MIRA 18:11)

KAS'YANOV, I.S.; VAYSEBERG, G.Ye.

Compound use of antibiotics during treatment of complex lesions. Antibiotiki 8 no.1:57-58 Ja'63. (MIRA 16:6)

1. Radiologicheskii otdel (zav. - prof. A.V.Kozlova)
Nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta i kafedra mikrobiologii (zav. - chlen-korrespondent AMN SSSR prof. Z.V.Yeruel'yeva) Tsentral'nogo instituta usovershenstvovaniya vrachey.
(RADIATION SICKNESS) (BURNS AND SCALDS)
(ANTIBIOTICS.)

KAS'YANOV, I.S., kand. biol. nauk; SVIRIDOV, N.K., kand. biol. nauk;
ZUYKOVA, Ye.A., prof.; VASIL'yeva, I.G. (Moskva)

Clinicohematological and morphological changes in a combination of lesions treated with a rapidly congealing plastic mass. Vrach. delo no.9:84-88 S 63. (MIRA 16:6)

1. Kliniko-eksperimental'naya laboratoriya po aprobatsii novykh radioaktivnykh preparatov (zav. - prof. V.V.Alpatov) nauchno-issledovatel'skogo rentgenoradiologicheskogo instituta Ministerstva zdravookhraneniya RSFSR.
(BURNS AND SCALDS) (PLASTICS IN SURGERY)
(RADIATION SICKNESS)

POLIKARPOCHKIN, V.V.; KAS'YANOV, I.V.; UTGOF, A.A.

Geochemical prospecting for east Transbaikalian complex metal
deposits based on channel silts, surface and ground waters.
Trudy VITR no.1:46-73 '58. (MIRA 12:1)
(Transbaikalia--Geochemical prospecting)

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SOV/112-59-21-44325

9.1200

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 21, p 170
(USSR)

AUTHOR: Kas'yanov, I.V.

TITLE: On the Problem of Calculating Non-Symmetrically Truncated Parabolic Mirrors

PERIODICAL: Tr. Leningr. in-t aviats. priborostr., 1958, Nr 18, pp 34-47

ABSTRACT: By the quasi-optical method is shown, that in order to obtain the maximum directive coefficient of an antenna, at a given width of its directional diagram, an optimum field distribution over the two main planes of the antenna aperture must be realized. On this basis the efficiency factor of the mirror surface, the tilt angle of the irradiator to the reflector, the parameters of the irradiator and the directive coefficient are determined. It is shown graphically that the values obtained are but slightly affected by the indices of approximation of the directional diagram of the irradiator. The course of the calculation of non-symmetrically truncated parabolic mirrors is given. And a numerical example is

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SOV/112-59-21-44825

On the Problem of Calculating Non-Symmetrically Truncated Parabolic Mirrors

considered: At given $\lambda = 3.2$ cm; width of the directional diagram on a half-power level in a horizontal plane 4.2° , in a vertical plane $\sim 7.9^\circ$; directive coefficient not lower than 750. The calculation for this case has shown that the horizontal aperture of the mirror is ~ 530 mm, the vertical aperture ~ 284 mm, the tilt angle of the irradiator to a horizontal plane $\sim 31^\circ$, focal length $f = 196$ mm; directive coefficient ~ 820 . An experimental model of an antenna with the above parameters had a directive coefficient ~ 856 . The methods of calculation of non-symmetrically truncated mirrors was developed in connection with the design of multiband antennas.

V.I.M. ✓

Card 2/2

TIKHONIN, I.Ya., professor; ~~KAS'YANOV, I.Z.~~, starshiy nauchnyy sotrudnik;
VAGANOVA, N.T., mladshiy nauchnyy sotrudnik; KUTEPOVA, N.I.,
mladshiy nauchnyy sotrudnik

Peculiarities of radiation sickness complicated by surgical
intervention in feci of the abdominal cavity under morphine and
ether anesthesia Vest.rent i rad. 31 no.1:27-30 Ja-F '56. (MLRA 9:7)

1. Iz radiologicheskogo otdela (zav.-prof. A.V.Kozlova) Gosudar-
stvennogo nauchno-issledovatel'skogo instituta rentgenologii i
radiologii imeni V.M.Meletova (dir.-dotsent I.G.Lagunova)

(ROENTGEN RAYS, inj. eff.)

(RADIATION SICKNESS, exper.

surg. of abdom. cavity with morphine & ether anesth.)

(MORPHINE, anesth. and analgesia

in surg. of abdom. cavity in exper. radiation sickness)

(ETHER, ETHYL, anesth. and analgesia

same)

KAS'YANOV, K., mekhanik

This is not our business, write to the economic council. Izobr.
i rats. no.1:27 Ja '62. (MIRA 14:12)

1. Sovkhoz "Vinogradnyy" Krymskoy oblasti.
(Crimea--State farms)

KAS'YANOV, L.H., inzh.; LIPOVTSOV, L.Ya., inzh.; LOSHAK, S.B., inzh.
RAYEV, D.Kh., inzh.; GIBENYA, G.A., inzh.; KUCHNIK, G.F.,
kand.techn.nauk

Load drop on the 200 kw. unit with subsequent loading.
Toploenergetika 8 no.10:44-49 O '61. (S.S. 10:10)

1. Gosudarstvennyy trest po organizatsii i ratsionalizatsii
elektrostantsiy i Zmiyevskaya gosudarstvennaya rayonnaya
elektricheskaya stantsiya.
(Steam turbines--Testing)

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