"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

CZECH/37-59-1-17/26

A System of Apertures for the Study of Low-Angle X-ray Diffraction

ASSOCIATION: Ústav fysikální chemie ČSAV, Praha (Institute of Physical Chemistry, Czechoslovak Ac.Sc., Prague)

SUBMITTED: June 18, 1958

Card 2/2

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

Fingerland, A.

5(4), 24(5)

AUTHORS: Koutetskiy, Yaroslav (Koutecky, J.); Fingerland, Antonin

SOV/20-125-4-43/74

TITLE: The Calculation of Quantum-mechanical Single-electron Systems Which Comprise a Large Subsystem (Raschet odnoelektronnykh kvantomekhanicheskikh sistem, vklyuchayushchikh bol'shuyu podsistemu)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 4, pp 841-844 (USSR)

ABSTRACT: Lifshits (Ref 1), Koster and Slater (Ref 2), and Baldock (Ref 3) developed a method for the theoretical investigation of distortions in a crystal. This method was generalized by J. Koutecky and applied to the general theory of surface tensions in a crystal in the approximation of the simple method of molecular orbits and in the approximation of the self-consistent field, as well as to the theory of chemisorption. This method is suited, according to the authors' opinion also for investigations of problems connected with the theory of chemical binding: With respect to its nature it is a theoretical basis of the modified method of molecular orbit by Dewar (Ref 8). This method is based upon the following idea: The state of the

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electron is investigated (by the simple method of the molecular orbits) or of several electrons (according to the method of the self-consistent field) which is located in the field of the configuration of the atomic remainders S. This system S is assumed to be composed of individual subsystems of the atomic remainders D_I, D_{II}, ...,D_R. At least one of these subsystems is by far greater than the domain within which it comes into spatial contact with the other subsystems. In this case, the potential acting upon the electrons is in such subsystems of approximately the same magnitude as in the corresponding parts of the system S. This applies in the case of a sufficiently weak interaction of the large subsystem to be investigated with the remaining subsystems. The authors endeavor to find the state function in the system S in form of a linear combination of the linear orbits of the subsystems. The equations for the required development coefficients of the eigenfunctions of the electron decomposed with respect to the orbits of the subsystems may be written down in such a manner that they may be expressed by a small number of development coefficients of the Vanniyer-functions or of the equivalent orbits. The here

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discussed calculation method may obviously be applied to the following examples: 1) A molecule produced from two subsystems of atomic remainders. In this case the initially existing molecules are considered to be subsystems. 2) A finite crystal. Here an infinite crystal is looked upon as an initial system. 3) Chemisorption of a molecule. In this case a molecule and a finite crystal or a molecule and an infinite crystal is considered to be a subsystem. 4) Polyene. In this case an infinite chain of atoms connected with one another by double bonds serves as an initial system. The aforementioned program may be realized by means of approximation methods of the molecular orbits and of the selfconsistent field. The second part of this paper deals with calculations (step by step) of the simple method of the molecular orbits. In the third part the method of a selfconsistent field is briefly discussed. There is complete analogy between the investigation of the problem investigated in the present case within the framework of the simple method of molecular orbits and the method of the selfconsistent field. There are 1 figure and 11 references, 5 of which are Soviet.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

The Calculation of Quantum-mechanical Single-electron Systems Which Comprise a Large Subsystem SOV/20-125-4-43/74

ASSOCIATION: Institut fizicheskoy khimii Chekhoslovatskoy Akademii nauk Praga, ChSR (Institute of Physical Chemistry of the Czechoslovakian Academy of Sciences, Prague, ČSR)

PRESENTED: January 1, 1959, by A. N. Frumkin, Academician

SUBMITTED: December 22, 1958

Card 4/4

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

KOUTECKY, MJ.; FINGERLAND, A.

Problem of the existence of localized states in the interaction between an atom and a crystal. Coll Cz Chem 25 no.1:1-16 Ja '60. (EEAI 9:12)

1. Institut fur physikalische Chemie, Tschechoslowakische Akademie der Wissenschaften, Prag.
(Molecular dynamics) (Crystals) (Atoms)

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FANDERLIK, A.

7

Single-crystal diffraction pattern of germanium. R. Bubáková, J. Drahokoupil, and A. Fingerland (Czech. Acad. Sci., Prague). *Czechoslov. J. Phys.* 10, 255(1960)(in English).—The single-crystal diffraction patterns from pure Ge crystals contg. below 100 dislocations/sq. cm. were studied. The reflection intensities of Cu K_α and Mo K_α radiations are given as a function of the angle of incidence.

A. Kremheller

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINGERLAND, A. (Prag.)

(2)

[illegible], Prague, Vol 12, No 1, 5 January 1962 (continued)

10. "Methodical Management of Public-Health Work," [illegible] A. [illegible], Research Institute for Public Health Organization [illegible] Organization [illegible], Prague, [illegible], pp [illegible].

11. "[illegible] in the [illegible] Industry," [illegible] A. [illegible], Department of International Affairs, [illegible] Faculty of Medicine, [illegible], Prague, Professor A. [illegible], Director [illegible], pp [illegible].

12. "[illegible] Into the Intelligent [illegible]," [illegible], Institute [illegible], [illegible], Prague, [illegible], Psychiatric [illegible], [illegible], Psychiatric [illegible] (Prague [illegible]), [illegible], Central [illegible] A. [illegible], Dr, [illegible], pp [illegible].

13. "Epidemiological Conditions in Children in the Postwar Germany," [illegible], pp [illegible].

14. "A Substantial Contribution [illegible] Medicine, Its Topic is a New Form in Society [illegible], Prague, [illegible], MD, [illegible], pp 35-37.

15. "Changes in the [illegible] in the Period from the [illegible] of World War [illegible] to [illegible]," [illegible] Prague, [illegible] (Czechoslovakia), Faculty of [illegible], Public Health University, [illegible], Czechoslovakia, [illegible], Director [illegible], pp [illegible].

16. "Fourth International Congress in Prague," [illegible] HO-SU, [illegible], pp [illegible].

17. "Fiftieth Birthday of Frantisek [illegible]," [illegible] VOLNY, [illegible], p 16.

#245

— 2/2 —

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINGERLAND, A.

50th anniversary of Prof. Mudr Rudolf Petr. Sborn. ved. prac. lek. fak. Karlov. univ. (Hrad Kral) 4 no.4:389-390 '61.
(BIOGRAPHIES)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

CZECHOSLOVAKIA

A. FINGERLAND, DrSc, Head (prednosta) Department of Pathological Anatomy of Medical Faculty Charles University (Ustav patologicke anatomie lekarske fakulty KU [=Karlovy university]), and J. JINDRICHOVA, Head, CSc, Department of Occupational Diseases of Kraj National Health Institute (Oddeleni chorob z povolani KUNZ [=Krajske Ustav Narodniho Zdravi]), Hradec Kralove.

"Pulmonary Asbestosis Associated with Lung Cancer."

Prague, Pracovni Lekarstvi, Vol 14, No 10, Dec 1962; pp 468-471.

Abstract [English summary modified]: Description of case in 60-year old man who worked in manufacture of asbestos plates for over half of his life: bronchial planocellular carcinoma with widespread abdominal metastases superimposed upon diffuse pulmonary asbestosis. Two slides, 3 rentgenograms, photograph of necropsy specimen; 5 Czech and 4 Western references.

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Micro 2

CZECHOSLOVAKIA

FINGERLAND, A., Prof Dr, Dr of Scien; MYDLIL, F., MD; PROCHAZKA, J., Prof Dr.

1. Pathological-Anatomical Medical Faculty KU (Patologickoanatomicky ustav lekarske fakulty KU), Hradec Kralovy (for Fingerland); 2. Surgical Clinic of the Medical Faculty KU (Chirurgicka klinika lekarske fakulty KU), Hradec Kralovy (for Prochazka); 3. Lung Sanatarium (Plicni lecebna), Zamberk (for Mydlil)

Prague, Rozhledy v tuberkulose, No 5, 1963, pp 299-305

"Contribution to the Problem of Differential Diagnosis of Pulmonary Cavities."

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

PROCHAZKA, Jaroslav, prof. MUDr., DrSc.; BRZEK, Vladimir; ENDRYS, Jiri; KOSMAK, Ivan; STEINHART, Leo; JURIN, I[illegible]n; SLEZAK, Premysl; FINGERLAND, Antonin, prof. MUDr., DrSc.

Experience with surgical treatment of congenital aortic stenosis. Sborn. ved. prac. lek. fak. Karlov. Univ. 9 no.1:85-96 '64.

1. Kardiochirurgicke stredisko a chir. klinika (prednosta: prof. MUDr. J. Prochazka, DrSc.); II. interni klinika (prednosta: prof. MUDr. V. Jurkovic); Radiologicka klinika (prednosta: prof. MUDr. J. Bastecky, DrSc.) a Patologicko-anatomicky ustav (predn[illegible]sta: prof. MUDr. A. Fingerland, DrSc.) Karlovy University v Hradce Kralove.

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CZECHOSLOVAKIA UDC 616.24-006.6:616.24-003.65

NAVRATIL, Miroslav; STEJSKAL, Josef; FINGERLAND, Antonin; Institute of Work Hygiene and Professional Diseases (Ustav Hyg. Prace a Chor. z Povolani), Prague, Director (Reditel) Prof Dr J. TEISINGER; 1st Pathological and Anatomical Institute, Fac. Gen. Med. Charles Univ. (I. Patologickoanatomicky Ustav Fak. Vseob. Lek. KU), Prague, Head (Prednosta) Prof Dr B. BEDNAR; Pathological and Anatomical Inst. Med. Fac. Charles University (Patologickoanatomicky Ustav Lek. Fak. KU), Hradec Kralove, Head (Prednosta) Prof Dr A. FINGERLAND.

"Occurrence of Lung Cancer in Asbestosis."

Prague, Pracovni Lekarstvi, Vol 18, No 6 - 7; Aug 66, pp 256-260

Abstract /Authors' English summary modified/: In the last 9 years 57 cases of asbestosis were reported in Czechoslovakia. Reports on the state of health of 35 of these were available; of the 35, 9 patients died within the last year, 7 of them of lung cancer. Pleural and peritoneal mesothelioma was not found. The occurrence of lung cancer in asbestosis is very high. Workers who were exposed to asbestos dust should be kept under observation, even after they stopped working in dangerous surroundings and do not suffer from asbestosis. 11 Figures, 3 Tables, 4 Western, 11 Czech references. (Ms. rec. 20 Dec 65).

1/1

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINGERLAND, A.; VORTEL, V.

Causes of child mortality according to data of the pathologic and anatomic branch of the medical faculty of Charles University in Hradci Kralove in 1949. Cas.lek.cesk. 90 no.9:274-278 2 Mar 1951. (CIML 20:7)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINGERLAND, A
(# 2588)

Path. anat. ustav. a psychiat. klin. lek. fak. v Hradci Kralove. Inklusni encefalitis Inclusion encephalitis Cas. Lek. ces. 1951, 90/42 (1229-1232) Illus. 8
One case of chronic inclusion encephalitis, a disorder described first by Dawson in 1933, is reported. Progressive mental deterioration in a 15-year-old patient with variable neurological signs led in 6 months to death. Grossly no changes were found. Microscopically there were signs of chronic diffuse encephalitis involving the whole brain with exception of cerebellum. No changes in the spinal cord were found. In some nerve cells intranuclear inclusion bodies, similar to them in herpes simplex, were demonstrated. In some nerve cells intraplasmatic, nonspecific inclusion, as described by Dawson, were noted. Animal inoculations were not made. This chronic inclusion encephalitis may be due to a virus. A chronic form of herpetic encephalitis is not to be excluded.

Fingerland - Hradec Kralove (V, 8)

SO: EXCERPTA MEDICA Vol. 5 No. 7 Sec. VIII July 1952

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINGERLAND, Ant., Prof. MUDr; VORTEL, Vl., MUDr; ENDRYS, J., MUDr

Oesophagitis herpetica. Cas.lek.cesk. 91 no.16:473-475 18 Apr 52.

1. Z pathologicko-anatomickeho ustavu lekarske fakulty v Hradci Kral. Prednosta: MUDr Ant. Fingerland.
(ESOPHAGUS, diseases,
esophagitis ulcerative, pathol.)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINGERLAND, A., Prof.; VORTEL, V., dr.; PIETROVSKI, E., dr.; HANOUSEK, J., dr.

Embolism of the amniotic fluid. Cesk. gyn. 19 no.5:327-333 Oct 54.

(AMNIOTIC FLUID
embolism, pulm. in labor)
(LABOR, complications
embolism, pulm., amniotic fluid)
(PULMONARY EMBOLISM AND THROMBOSIS
amniotic fluid embolism in labor)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINGERLAND, A., prof. MUDr; VORTEL, Vl., MUDr; DVORAK, J., MUDr; ZDRAHAL, L., MUDr

Generalized cryptococcosis (torulosis). Cas. lek. cesk. 93 no.30: 809-816 23 July 54.

1. Z kateder pathologicke anatomie, mikrobiologie a neurologie Vojenske lekarske akademie v Hradci Kralove.
(CRYPTOCOCCOSIS,
clin. aspects)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINGERLAND, Ant., Prof.; VORTEL, Vl., doc., Hradec Kralove

Diabetes mellitus; pathological anatomy. Cesk. gastroenter. 9 no.3:161-169 Sept 55.

(DIABETES MELLITUS, pathology.)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

VORTEL, Vlad., Doc., Dr.; FINGERLAND, A., prof., Dr.

Perinatal mortality causes; statistical report from the Anatomopthological Department, Hradec Kralove Military Medical School, 1949-53. Cesk. pediat. 11 no.11:867-874 Nov 56.

(INFANT MORTALITY
perinatal, causes, statist. (Cz))

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINGERLAND, A. VLA.

EXCERPTA MEDICA Sec.5. Vol.10/2 Gen.Pathology Feb 57

351. FINGERLAND A. VLA, Hradec Králové. *Zjištění nedomykavosti chlopní při běžné pitvě. Determination of valvular insufficiency in routine autopsies ČAS. LÉK. ČES. 1956, 95/25-26 (696-699) Illus. 3

In 250 autopsies a simple method for the determination of valvular insufficiency was tested. The left ventricle is filled with saline under a pressure of 100-120 cm. of water (through the aorta), the right ventricle under a pressure of 30-40 cm. and the closure of mitral and tricuspid valves is observed. Defects of the intraventricular septum were easily demonstrated as well. This method was reliable in normal and thickened valves of the left heart, but unreliable in the tricuspid valve and in the normal mitral valve when autolysis is too advanced.

Dvořáček - Olomouc

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

1732. FINGERLAND A. Pathol.-Anat. Inst., Hradec Králové (Tschechoslowakei).
*Zur Morphologie und Pathogenese der geschichteten Lungentuberkulome.
Morphology and pathogenesis of stratified tuberculoma of the lung VIRCHOWS ARCH. PATH. ANAT. 1956, 329/4 (521-532) Illus. 9

Tuberculomas are fundamentally related to the bronchi, which in this case usually present a tuberculous inflammation. In the 60 cases studied, M. tuberculosis was detected 41 times. The bacilli were always found in the centre or in the blocked bronchial rest. The fact that they are found in the micro-aerophile centre, that is, in the place where the bronchus has been is so characteristic that a fundamental significance should be attached to it whith reference to the development of tuberculomas. This central colony of bacilli is a nucleus round which the tuberculoma grows in layers. These layers are the manifestation of the change in activity. The tuberculoma grows at the periphery, not through the direct action of the bacilli, but owing to a humoral reaction of probably antigen-antibody type.

Van Dongen-Torman - Appelscha (V, 15*)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINGERLAND

MICROBIOLOGY/Microbiology - Microorganisms Pathogenic to Humans and Animals. F-5

Abs Jour : Ref Zhur - Biol., No 5, 1958, 19575

Author : Fingerland

Inst :

Title : Histoplasmosis.

Orig Pub : Rozhl. tuberk. a nemocech. plicních. 1957, 17, No 7, 554-557

Abstract : No abstract.

Card 1/1

USCOMM-DC-55,211

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINGERLAND, Antonin, prof., doktor med.; VORTEL', Vladimir, dotsent, doktor med.

Some staphylococcal infections caused by strains of microbes resistant to antibiotics which arise in surgical wards. Vest. khir. 83 no.7:21-30 Jl '59. (MIRA 12:11)

1. Iz kafedry patologicheskoy anatomii Voyenno-meditsinskoy akademii v Gradtse Kralove (Chekhoslovatskaya Respublika).
(STAPHYLOCOCCAL INFECTIONS)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

CZECHOSLOVAKIA

FINGERLAND, A.

Prague, Rozhledy v tuberkulose, No 3, 1963, pp 145-146

"The Pathology of Smoking and Pneumology."

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINGERLAND, A.

To the 50th anniversary of professor Vladimir Vortel, DrSc.
Sborn. ved. prac. lek. fak. Karlov. Univ. 8 no.4:407-418
' 65.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINGERLAND, Antonin, prof. MUDr., DrSc.

On the bronchogenic genesis of stratified tuberculomas. Sborn. ved. prac. lek. fak. Karlov Univ. 8 no. 4:419-426 '65.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINGERLAND, Antonin; KOPECNY, Jaroslaw

Lung cancer in women. Sborn. ved. prac. lek. fak. Karlov. Univ. 8 no.4:495-499 ' 65.

1. Patologicko-anatomicky ustav (prednosta: prof. MUDr. A. Fingerland, DrSc.), Karlovy University v Hradci Kralove.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

VORTEL, V.; PIACHY, V.; FINGERLAND, A.

Hepatitis in infants after transfusion of pooled plasma. Cesk. pediat. 20 no.10:879-882 O '65.

1. Patologickoanatomicky ustav (prednosta prof. dr. A. Fingerland, DrSc.) a detska klinika (prednosta prof. dr. J. Blecha, DrSc.) lekarske fakulty Karlovy University v Hradci Kralove.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

KRAUS, Z.; VORTEL, V.; FINGERLAND, A.; SALAVEC, M.; KRCH, V.

Uncommon skin manifestations in Wegener's granulomatosis.
Cesk. derm. 40 no.6:378-382 D '65.

1. Registracni stredisko histologie koznich nemoci pri patologickoanatomickem ustavu (prednosta prof. dr. A. Fingerland), kozni klinika (prednosta prof. dr. B. Janousek) a I. interni klinika (prednosta prof. dr. F. Cernik) lekarske fakulty Karlovy University v Hradci Kralove.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

SKRIVANEK, Ota; SALAVEC, Miloslav; PRIBORSKY, Jaromir; FINGERLAND, Antonin; KRCH, Vaclav.

Roentgen picture of the lungs in Wegener's granulomatosis. Sborn. ved. prac. lek. fak. Karlov. Univ. 8 no.2:249-256 ' 65.

1. Radiologicka klinika (prednosta - prof. MUDr. J. Bastecky, DrSc.); I. interni klinika (prednosta - prof. MUDr. F. Cernik); Patol. anat. ustav (prednosta: prof. MUDr. A. Fingerland, DrSc.) Lekarske fakulty Karlovy University v Hradci Kralove.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

JINDRICHOVA, Jirina; VORTEL, Vladimir; FINGERLAND, Antonin; JINDRAK, Karel; CHROBAK, Ladislav

Fatal panmyelophthisis degenerated to subacute myeloid leukemia caused by benzene. Vnitrni lek. 11 no.10:995-999 O '65.

1. Krajsky ustav narodniho zdravi, oddeleni chorob z povolani, Hradec Kralove (prednosta: doc. MUDr. Jirina Jindrichova, CSc.), Patologicko anatomicky ustav lekarske fakulty Karlovy University v Hradci Kralove (prednosta: prof. MUDr. Antonin Fingerland, Dr.Sc.) a I. vnitrni klinika lekarske fakulty Karlovy University v Hradci Kralove (prednosta: prof. MUDr. Frantisek Cernik).

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINGERLAND, A.

"Boundary and eigenvalue problems in mathematical physics" by Hans Sagan. Reviewed by A.Fingerland. Cs cas fys 12 no.3: 304 '62.

1. Ustav fysiky pevnych latek, Ceskoslovenska akademie ved, Praha.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINGERMAN, Yu.

From the fund of public consumption. Sov.shakht. 11 no.6:31-32 Je '62. (MIRA 15:6)

1. Shakhta imeni Lenina, g. Novoshakhtinsk.
(Nonwage payments) (Coal miners)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

KISELEVA, V.L.; POLEZHAYEVA, N.P.; FINGEROVA, A.L.

Electrolytic tinning from sulfuric acid electrolytes with additions of polyethylene glycol esters. Izv.vys.uchob. zav.; khim.i khim.tekh 2 no.4:578-581 '59.
(MIRA 13:2)

1. Ivanovskiy khimko-tekhnologicheskiy institut. Kafedra tekhnologii elektrokhimicheskikh proizvodstv.
(Tin plating)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

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FINGERT, S.S.

Physical development of rural schoolchildren in Pskov Province. Zdrav. Ros. Feder. 8 no.2:12-16 F'63 (MIRA 17:3)

1. Otdel sanitarnoy statistiki (rukovoditel' - dotsent Ye.A. Sadvokasova) Instituta organizatsii zdravookhraneniya i istorii meditsiny imeni N.A.Semashko.

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FINGL, J.

Control of water supply in the food industry. p. 305. Vol. 6, no. 6. 1955. PRUMYSL POTRAVIN. Praha.

Source: East European Accessions List (EEAL), LC, Vol. 5, No. 3. March 1956.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINGL, Jiri

Standardization helps the operation of public eating facilities. Normalizace 11 no.6:175-179 Je '63.

1. Zavody potravinarskych a chladicich stroju, n.p., Vyzkumny ustav, Praha.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINGL, Jiri

Use of high-frequency and infrared radiation in restaurants.
Prum potravin 15 no.2:54-61 F '64

1. Zavody Viteznebo unora, n.p., Vyzkumny ustav stroju chladicich a potravinarskych, Praha.

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1/2

Synthetic analogs of the curare alkaloids. II. Bis(tertiary sulfonium salts) and sulfur analogs of succinylcholine. Miroslav Protiva, Jiří Plíml, and Pavla Finglová (Farm. biochem. výzkumný ústav, Prague, Czech.). *Chem. Listy* 47, 1197-1203(1953); cf. *C.A.* 49, 199d.—S analogs of *decamethonium iodide* and of succinylcholine were prepd. none of which showed practical curarelike activity. Refluxing 9.2 g. Na in 150 ml. EtOH with 22 g. *p*-HOC_6H_4OH in 75 ml. EtOH and with 50 g. $MeSCH_2CH_2Cl$ 6 hrs. gave 16.1 g. (on purification) *o*-$C_6H_4(OCH_2CH_2SMe)_2$, $b_{0.2-0.4}$ 155-90°, m. 47-8° (from EtOH); *MeI salt*, m. 133-4°. Similarly was prepd. *p*-$C_6H_4(OCH_2CH_2SMe)_2$ (40%), m. 41-2°; *di-MeI salt*, m. 155-6°. Refluxing 31 g. $MeSCH_2CH_2OH$ (I), 150 ml. C_6H_6, and 18 g. 70% $NaNH_2$ 1 hr., adding 35.3 g. $Br(CH_2)_3Br$ and refluxing the mixt. 7 hrs. gave 19.4 g. (60%) $MeS(CH_2)_3O(CH_2)_3SMe$, $b_{0.4}$ 144°; *di-MeI salt*, noncryst. Refluxing 5 hrs. a mixt. prepd. from 4.6 g. Na, 250 ml. EtOH, 21.6 g. $MeSCH_2CH_2SH$ (II), and 18.8 g. $(BrCH_2)_2$ yielded after dissolving the NaBr in 1 l. H_2O, 22.5 g. (90%) $MeS(CH_2)_2S(CH_2)_2S(CH_2)_2SMe$, m. 64-5° (from AcOEt); *di-MeI salt*, m. 138°. Similarly were prepd. $MeS(CH_2)_2S(CH_2)_2S(CH_2)_2SMe$ (85%), $b_{0.3}$ 167-9°; $MeS(CH_2)_3S(CH_2)_4S(CH_2)_3SMe$ (98%), m. 30°, and $MeS(CH_2)_3S(CH_2)_5S(CH_2)_3SMe$ (62%), $b_{0.3}$ 180-9°. *Dimethiodides* of the last 3 compds. were oily. Refluxing a mixt. of 4.6 g. Na, 250 ml. EtOH, 21.6 g. II, and 16.1 g. $HOCH_2CH_2Cl$, distg. off the EtOH, dilg. the residue with Et_2O, filtering off the NaCl and distg. the ext. gave 23.3 g. (76%) $MeS(CH_2)_2S(CH_2)_2OH$, b_{10} 160°. From the mixt. of 55.4 g. $Me_3NCH_2CH_2OH$ (b. 130-3°), 20 g. $(CH_3CO_2Et)_2$ (b_{15} 85°), and 0.15 g. Na was distd. EtOH at 70-80 mm. during 1 hr., and the residue fractionated to give 26 g. (97.5%) $[Me_3N(CH_2)_2OCOCH_3]_2$, $b_{0.3}$ 120°; *di-MeI salt*, m. 250-1°. Treating 10.5 g. $Me_3NCH_2CH_2SH$ in 100 ml. C_6H_6 at 10° with 7.75 g. $(CH_2COCl)_2$ (III) (b_{12-15} 94-6°) in 100 ml. C_6H_6 gave, after sepg. the NaCl and extg. the alkalinized soln. with C_6H_6, 7.4 g. (51%) $[Me_3N(CH_2)_2SCOCH_2]_2$, $b_{0.4}$ 166-7°; *di-MeI salt*, m. 197°. Refluxing 1 hr. 20.3 g. I in 100 ml. C_6H_6 with 15.5 g. III gave 21.7 g. (81.5%) $[MeS(CH_2)_2OCOCH_2]_2$ $b_{0.3}$ 159-61°, *dimethiodide*, m. 159°. Distg. off the EtOH from the mixt. of 4.6 g. Na, 60 ml. EtOH, and 21.6 g. II, and refluxing the residue with 125 ml. C_6H_6 and 15.5 g. III gave 15.2 g. (51%) $[MeS(CH_2)_2SCOCH_2]_2$, $b_{0.4}$ 198° (*dimethiodide*, oily). Treating 3.6 g. $(CH_2OH)_2$ in 10 ml. C_5H_5N with 16 g. $MeSCH_2CH_2COCl$ (IV) (b_{14} 70°), gave 11.3 g. (74%) $[MeS(CH_2)_2CO_2CH_2]_2$, $b_{0.03}$ 160°. Refluxing 1 hr. the mixt. of 4.46 g. $(CH_2SH)_2$ (b_{16} 76°), 13.1 g. IV, and 50 ml. C_6H_6, yielded 7.2 g. (51%) $[MeS(CH_2)_2COSCH_2]_2$, $b_{0.4}$ 205°. The methiodides were prepd. in Me_2CO, C_6H_6, EtOH, or without solvent, and were crystd. from EtOH or dil. EtOH. III. Pyridine derivatives of pharmacological interest. 9. Quaternary salts of glycol diesters of monocarboxylic acids of the pyridine and piperidine series. Jiří Plíml and Miroslav Protiva. *Ibid.* 1204-6; cf. *C.A.* 49, 337*d*.—Glycol esters of pyridinemonocarboxylic acid were prepd. and treated with MeI to give the corresponding dimethiodides. Picolinic chloride prepd. by refluxing 15 min. 14.6 g. picolinic acid in 1250 ml. C_6H_6 with 14 ml. $SOCl_2$, heated 2 hrs. with 8.5 g. $HO(CH_2)_4OH$ gave, after treatment with 6.8 g. $NaHCO_3$ in 120 ml. H_2O, 1.1 g. *tetramethylene dipicolinate*, m. 81-2° (from H_2O). Most part of the starting acid was recovered. Refluxing 37 g. nicotinic acid 2 hrs. with 180 ml. $SOCl_2$, evapg. the

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2/2 MIROSLAV PROTIVA, et al

unchanged $SOCl_2$, washing the cryst. residue with C_6H_6, and refluxing with 6.2 g. $(CH_2OH)_2$ (I) in 100 ml. C_6H_6 gave, after alkalinization with $KHCO_3$, 22.3 g. (82%) *ethylene dinicotinate*, m. 126° (from EtOH); *di-MeI salt*, m. 208°. Similar treatment of 37 g. isonicotinic acid (the *HCl salt of the chloride* did not melt below 200°) with 6.2 g. I gave 19.9 g. (72%) *ethylene diisonicotinate*, m. 175° (from EtOH); *di-MeI salt* (II), m. 213° (decompn.). Hydrogenation of II in EtOH over PtO_2 gave 88% *di-HI salt*, m. 178°, of *ethylene bis(N-methylisopipecolinate)*, $b_{0.4}$ 176° (insol. in Et_2O); *bis(methiodide)*, m. 287-8°. M. Hudlický

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FINGRUT, I.

Issues of hydrocarbon [illegible]

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FINGRUT, I.Ya.; TSITRIN, A.P.

Packless mixer with an electromagnetic drive as a reactor for the production of alkyl sulfuric acids. Khim.i tekh.topl.i masel 7 no.2:44-49 F '62. (MIRA 15:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh protsessov.
(Sulfuric acid) (Alkylation)

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EINHORN, Jerzy; TENNER, Julian; OBORSKA-JADWISZCZOK, Elzbieta

Iodine uptake in the thermal test in various functional conditions of the thyroid gland. Endokr. Pol. 14 no.6: 619-626 N-D '63.

1. III Klinika Chorob Wewnetrznych Sl. Akademii Medycznej w Bytomiu (Kierownik: prof. dr K. Gibinski) i Instytut Onkologii w Gliwicach (Dyrektor: Dr med. J. Swiecicki).

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FINIASOV, B. (Vitebsk)

Percentage of honesty. Izobr.i rats. no.11:34 N '62. (MIRA 15:12)

1. Spetsial'nyy korrespondent zhurnala "izobretatel' i ratsionalizator".
(Technological innovations)

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Finichek, L.

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

208/60. A 547.455.523 : 546.824'131

Investigation of titanium tetrachloride complexes. (In English)

Z. Csurös, Gy. Deák, L. Fenichel. *Acta Chimica Academiae Scientiarum Hungaricae*, Vol. 21, 1960, No. 2, pp. 169—180, 1 fig., 7 tabs.

Complexes of various composition, not published thus far in literature, were prepared by the authors through treating a number of sugar derivatives (pentacetyl glucose, pentabenzoyl glucose, acetochloro-glucose, tribenzoyl laevoglucosan, triacetyl laevoglucosan and octoacetyl cellobiose) with titanium tetrachloride. The composition of the formed complexes was found to be affected by two factors, the solubility of complexes of various mole ratio and the conditions of charge of the developed complexes.

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FINIKOV, A.

FINIKOV, A., inzhener.

[redacted] special equipment on the IAk-12M airplane. Grazhd. av. 14 no.4:25 Ap '57. (MLRA 10:6)

(Aeronautics in agriculture)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINIKOV, B. I.

AUTHOR: Finikov, B. I.,

20-2-13/62

TITLE: On a Family of Classes of Functions in the Algebra of Logic and Their Realizations in the Class of π-Schemata. (Ob odnom semeystve klassov funktsiy algebry logiki i ikh realizatsii v klasse π-skhem)

PERIODICAL: Doklady Akademii Nauk,SSSR, 1957, Vol. 115, Nr 2, pp. 247-248 (USSR)

ABSTRACT: This paper examines a family of some of these classes, namely of the classes $R_{n,k}$ of functions, which depend on n arguments and accept the value 1 exactly on k sets of the values (n) of the arguments. Further the possibility is investigated here to realize the functions from these classes with the aid of P-schemata. The present paper is the continuation of a work by G.N.Igosheva. But the author here uses another algorithm for the realization of the functions of these classes and shows that even in the case of a certain increase of k the number of the contacts in the P-schemata (which realize the functions from $R_{n,k}$) is asymptotically not higher than 2n. By L (f) the author here denotes the minimum number of the signs of the variables, which suffice for writing down the function f with the aid of the formulae used here. Further the function $L_k(n) = \max L(f)$ is introduced here, where the maximum refers to all functions of Rn,k. Then the following theorem applies: $L_k(n) \leqslant 2n+k2^{k-1}$. Then follows the proof of this theorem. The following corollaries result from this theorem:

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On a Family of Classes of Functions in the Algebra of Logic and Their Realizations in the Class of π-Schemata. 20-2-13/62

1) The sequence $k_2, \ldots k_n, \ldots$ be assumed. When for a certain function $\varphi(n)$, $\varphi(n) \to \infty$ the estimation $k_n \leqslant \lg_2 n - \lg_2 \lg_2 n - \varphi(n)$, is valid, $L_{k_n}(n) \sim 2n$ applies.

2) When for the sequence $k_2, \ldots k_n, \ldots$ the inequation $\overline{\lim_{n\to\infty}} \frac{k_n}{\lg_2 n} < N$ is valid (where N is a natural number), then applies $L_{k_n}(n)$ 2Nn.

3) In the case of $(k_n/\lg_2 n) \to \infty$, $L_{k_n}(n) \leqslant (2k_n n/\lg_2 n)(1+o(1))$ applies.

There are 8 references, 4 of which are Slavic.

ASSOCIATION: Moscow State University imeni M.V.Lomonosov.(Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova)

PRESENTED: February 21, 1957, by M.V.Keldysh, Academician.

SUBMITTED: February 1o, 1957

AVAILABLE: Library of Congress.

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Congruences avec les deux nappes de la surface focale applicables l'une sur l'autre par les points correspondants. Ann. di Mat., 1 (1924), 175-194.

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Moscow-Leningrad, 1948

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Sur la congruence rectiligne de roulement d'un infinité de [illegible]. Mat. Sb., 34 (1927), 47-54.

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La congruence r ayant deux surfaces gauches pour les deux nappes de sa surface. focale. Atti accad. naz lincei, 12 (1930), 302-306.

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La transformation des congruences de droites. atti accad. naz. lincei, 14(1931), 421-427.

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Sur les couples de surfaces dont les asymptotiques se correspondent et qui aux points cofrespondents ont les memes directrices de Wileczynski. C.R. Acad. Sci., 197 (1933), 883-885.

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FINIKOV, S. P.

Couples des surfaces dont les asymptotiques correspondent et les tangentes asymptotiques homologues se coupent. Atti. Aciad. Naz. Lincei, 20 (1934), 164-168.

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★ Finkov, S. P. Ka...

Harmonic Oscillations ...

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FINIKOV, Sergei Pavlovich, 1883

Differential geometry; a text-book on methodology for students taking correspondence courses from pedagogical institutes. Moskva, Gos. uchebno-pedagog. izd-vo, 1949. 108p.

RPB

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S. P.

Finikov, S. P. On stratifiable pairs of congruences associated with an isotropic congruence. Doklady Akad. Nauk SSSR (N.S.) 73, 899-900 (1950). (Russian.)

This short note, which refers to the author's [illegible] which above is related to the author's paper [Rec. Math. [illegible] N.S. 12(54), 287-314 (1943); these Rev. [illegible]] and the papers of S. Rassinsk: [C. R. [illegible] URSS (N.S.) 41, 5-9, 54-56, 101-103 (1943); these Rev. [illegible]] the reviews of which we must refer for further [illegible] respect to the notation and [illegible] used. The results of these papers are [illegible] by a theorem that every stratifiable pair with the possible exception of the case that $a_1 = a_2 = 1$ [illegible] associated with an isotropic congruence of common perpendiculars is contained in a congruence of Bachvaloff which in this case must be an isotropic congruence [Rec. Math. [Mat. Sbornik] N.S. 6(48), 67-76 (1939); these Rev. 1, 270].

D. J. Struik (Cambridge, Mass.).

Source: Mathematical Reviews, Vol 12 No. 9.

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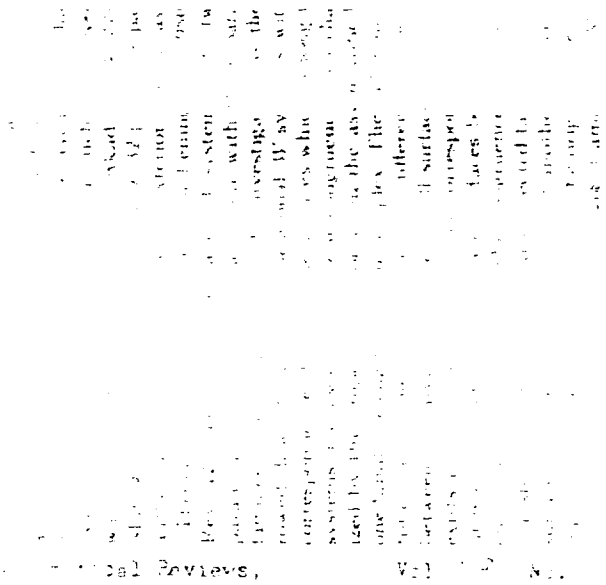
ANIKOV S.P



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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINIKOV, S.

Finikov, S. A system of W-congruences with functional arbitrariness. Doklady Akad. Nauk SSSR (N.S.) 79, 197–199 (1951). (Russian)

Terracini [Atti Accad. Naz. Lincei, Rend. Cl. Sci. Fis. Mat. Nat. (6) 4, 348–352 (1926)] considered so called systems of Bianchi, which are W-congruences depending on two parameters and with focal surfaces forming two one-parametric families. The author previously extended these studies [Izvestiya Akad. Nauk SSSR, Ser. Mat. 9, 79–112 (1945); these Rev. 7, 32; Uchenye Zapiski Moskov. Gorud. Pedagog. Inst. 2, pp. 16ff. (1948)]. Here he proposes a W-system of which the congruences depend on two arbitrary functions of one variable and of which the focal surfaces form two families depending each on one arbitrary function of one variable. It is obtained by placing in $dA_i=\omega_i^k A_k$ ($i, k=1, 2, 3, 4$, two vertices A_1, A_2 of the tetrahedron A_i in the foci of a ray, two faces $A_1A_2A_3$, $A_1A_2A_4$ in focal planes):

$$\omega_1^4=0, \quad [\omega_1^2\omega_2^4+\omega_1^3\omega_3^4]=0,$$

which equations determine the focal surfaces (A_1). There must be an equation of the form

$$\omega_3^4=A\omega_1^2+B\omega_2^4+C\omega_1^3+D\omega_1^4.$$

Since $\omega_1^3=-B\omega_1^2+\lambda(\omega_2^4-C\omega_1^2)$, we obtain for the asymptotic lines $(A-BC-\lambda C^2)(\omega_1^2)^2+\lambda(\omega_2^4)^2=0$. The solution of these equations is further discussed. *D. J. Struik.*

Source: Mathematical Reviews, Vol. 13 No. 1

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINIKOV, S.P.

Mathematical Reviews
Vol. 14 No. 8
Sept. 1953
Geometry.

Finikov, S. P. Kurs differencial'noi geometrii. [A course of differential geometry.] Gosudarstv. Izdat. Tehn.-Teor. Lit., Moscow, 1952. 343 pp. 8 rubles.

This book contains an exposition of the elementary differential geometry of curves and surfaces. It opens with an introduction in which the ways are described in which curves and surfaces can be given in coordinate form, how singular points appear, and how contact can be described. Then follow 119 pages on plane and space curves, and 141 pages on surfaces. In both cases sharp distinction is made between differential properties of the first order and those of the second order; in curve theory there is also a section on third order properties, after which the Frenet formulas can be introduced. There are sections on the natural equations of curves and on envelopes, on the intrinsic geometry of surfaces and on the fundamental equations of a surface. Vector calculus is used throughout, and care is shown in dealing with such ticklish subjects as the theory of envelopes. There is a supplement which deals with the existence theorems on implicit functions, with the differentiation of vector functions of a scalar variable and with elementary curve plotting. A few pages are devoted to the history of the subject with special emphasis on Russian contributions. The author mentions the Moscow school of K. M. Peterson, to which B. K. Mlodzeevskiĭ and D. F. Egorov belonged, and another school dating back to N. I. Lobačevskiĭ, which is at present represented by the many Russian authors on the tensor calculus, pupils and collaborators of V. F. Kagan. The text is lucid and has a number of good figures; it also contains many exercises with answers. *D. J. Struik.*

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINIKOV, S. P.

[illegible]

Name	Title of work	Compiled by
Finikow, S. P.	Works on theory of surfaces	Moscow State University imeni M. V. Lomonosov

[illegible]

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINIKOV, S.P.

Sergei Sergeevich Biushgens; seventieth anniversary of his birthday. Usp. mat.nauk. 8 no.4:185-192 Jl-Ag '53. (MLRA 6:8)
(Biushgens, Sergei Sergeevich, 1882-) (Mathematics--Bibliography)
(Bibliography--Mathematics)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINIKOV, S.P.

8, No. 6

1/2

Finikov, S. P. Two problems of contemporary differential geometry. Vestnik Moskov. Univ. Ser. Fiz.-Mat. Estest. Nauk 1953, 3–14 (1953). (Russian)

This is a report on recent work done, mainly by Moscow geometers, in two fields which are essentially in the nineteenth century tradition of Bianchi-Darboux. The first field is that of conjugate sets and congruences, in relation to Laplace transformations. Here considerable attention is paid to the work of T. Koz'mina [C. R. (Doklady) Acad. Sci. URSS (N.S.) 55, 183–185 (1947); these Rev. 8, 531], which was independently supported by S. S. Chern [Proc. Nat. Acad. Sci. U. S. A. 30, 95–97 (1944); Sci. Rep. Nat. Tsing Hua Univ. 4, 328–336 (1947); these Rev. 5, 217; 10, 65]. Other papers on this subject, discussed by the author, include those of R. V. Smirnov [Doklady Akad. Nauk SSSR (N.S.) 71, 437–439 (1950); these Rev. 11, 616], and T. A. Sul'man [ibid. 85, 501–504 (1952); these Rev. 14,

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2/2 Finikov, S. P.

316]. The second field for which a survey is given is that of so-called stratified pairs of congruences (the name is due to Fubini), a topic intimately related to the first. The author, who reopened this domain in 1927, reports mainly on his own work [see, e.g., Mat. Sbornik N.S. 29(71), 349–370 (1951); these Rev. 13, 773]; and also gives an account of thesis work done by several students at Moscow University on Laplace transformations as well as on stratified pairs.

D. J. Struik (Cambridge, Mass.).

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINIKOV, S. P.

Mathematical Reviews
Vol. 15 No: 4
Apr. 1954
Geometry

8-24-54
LL

Finikov, S. P. Stratifiable pairs adjoined to a parabolic congruence of mutual perpendiculars. Mat. Sbornik N.S. 33(75), 3–12 (1953). (Russian)

There have been investigations of stratifiable congruences in which the congruence of mutual perpendiculars was pseudospherical, of the Bianchi type, isotropic, etc. This paper deals with the case that this congruence is parabolic, hence consists of tangent lines to one family of asymptotic lines of a surface. The formulas for the general case, as well as for special cases are derived in detail. Among the results for the symmetrical case we find that the surfaces with one family of asymptotic lines of constant curvature carry on the tangents to these lines a system of ∞^1 stratifiable pairs of congruences. The rays of these congruences intersect the asymptotic tangents orthogonally at points situated symmetrically with respect to the points of contact, and form with the tangent plane of the surface angles equal and of opposite sign. [See S. Finikoff, Mat. Sbornik N.S. 12(54), 287–314 (1943); these Rev. 6, 19; also L. Bianchi, Atti Accad. Naz. Lincei., Rend. Cl. Sci. Fis. Mat. Nat. (5) 33, 2° semestre, 369–377, 521–532 (1924).] *D. J. Struik.*

Math 3

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINIKOV, S. P.

Finikov, S. P. On the problem of stratification of a pair of complexes. Uspehi Matem. Nauk (N.S.) 9, no. 1(59), 125–130 (1954). (Russian)

The concept of a stratified pair of congruences (for which a family of surfaces is necessary) is generalized to complexes. Two complexes are called stratified if a family of curves is given, and at the points of intersection with the rays of one complex osculating planes to the curves pass through corresponding rays of the other complex, and conversely. This is a natural generalization, since the property holds for stratified pairs of congruences, taking the asymptotic lines of the family of surfaces into account. The analytical apparatus to deal with these complexes is set up by means of a tetrahedron of reference, of which two vertices A_1, A_2 lie on a ray of one complex, and the two other vertices A_3, A_4 on the corresponding ray of the other complex. Then the infinitesimal projective displacement $dA_i = \omega_i^k A_k$ $(i, k = 1, 2, 3, 4)$ can be normalized by $\omega_2^1 = \omega_1^4$; the families of curves can be taken to satisfy the equations $\omega_1^4 = \mu\omega_1^3$, $\omega_2^4 = \nu\omega_1^3$; $\omega_1^4 = \mu'\omega_1^2$, $\omega_2^4 = \nu'\omega_1^2$. Special attention is paid to the case $\omega_1^3 = \omega_1^4$, $\omega_3^2 = \omega_4^1$, in which the two complexes [12] and [34] have a common tangential complex

D. J. Struik (Cambridge, Mass.).

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINIKOV, S.P.

Scientific trends in the department of differential geometry at the Moscow State University. Usp.mat.nauk 9 no.4:3-18 '54.
(Geometry, Differential) (MLRA 8:1)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINIKOV, S.P.

USSR/Scientists- Obituary

Card 1/1 : Pub. 41-1/18

Author : Kochina, P. Ya., Blokh, E. L., Kosmodem'yanskiy, A. A., Rabotnov, Yu. N., Sveshnikov, G. N., Talitskikh, N. A., Finikov, S. P., and Chetayev, N. G.

Title : To the memory of Vladimir Vasil'yevich Golubev

Periodical : Izv. AN SSSR, Otd. Tekh. Nauk 12, 3-4, Dec 1954

Abstract : A brief review of the life of the recently deceased Golubev.

Institution :

Submitted :

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINIKOV, S.P., prof.; ATANASYAN, L.S., dots., red.; DZHATIYEV, S.G., tekhn. red.

[Programs of pedagogical institutes; differential geometry] Programmy pedagogicheskikh institutov; differentsial'naia geometriia. [Moskva] Uchpedgiz, 1955. 1 p. (MIRA 11:9)

1. Russia (1917- R.S.F.S.R.) Glavnoye upravleniye podgotovki uchiteley.

(Geometry, Differential--Study and teaching)

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

SUBJECT USSR/MATHEMATICS/Geometry CARD 1/1 PG - 145

AUTHOR FINIKOV S.P.

TITLE Differential geometry. Textbook for physical-mathematical faculties of educational institutes.

PERIODICAL Moscow: State publication 1955, 215p.
reviewed 7/1956

As the title indicates this textbook is written with an eye on the education of future teachers, in connection with the plans for polytechnical education in secondary schools. It contains the classical material on curves in the plane and curves in the space, together with surface theory, presented wherever possible with cinematical methods. Vector methods are used throughout, with here and there a touch of the ω-notation. The exposition is clear and attractive, the illustrations are clear. Instructors, faced with the task of giving a one-semester introduction to differential geometry , will find a look at this book very helpful.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINIKOV, Sergey Pavlovich; VASIL'YEVA, M.V., redaktor; GAVRILOV, S.S., tekhnicheskiy redaktor

[Theory of congruent pairs] Teoriia par kongruentsii. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1956. 443 p. (MIRA 10:4)
(Congruences (Geometry))

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

BAKHVALOV, S.V., prof.; FINIKOV, S.P., prof., red.; KREYS, I.G., tekhn. red.

[Programs of pedagogical institutes; analytic geometry for physics and mathematics faculties; major: mathematics] Programmy pedagogicheskikh institutov; analiticheskaia geometriia dlia fiziko-matematicheskikh fakul'tetov. Spetsial'nost' - matematika. [Moskva] Uchpedgiz. 1957. 5 p. (MIRA 11:9)

1. Russia (1917- R.S.F.S.R.) Glavnoye upravleniye vysshikh i srednikh pedagogicheskikh uchebnykh zavedeniy.
(Geometry, Analytic--Study and teaching)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINIKOV, S. P.

AUTHOR: FINIKOV, S.P. (Moscow) 39-2-3/7

TITLE: The Transformation W of the Cartan Manifolds of Singular Projective Type (Preobrazovanie W kartanovykh mnogoobraziy osobogo proyektivnogo tipa)

PERIODICAL: Matematicheskiy Sbornik, 1957, Vol.43, Nr.2, pp.169-186 (USSR)

ABSTRACT: According to the author, the p-dimensional manifolds Sp, Sp^* are in the relation of the transformation W if in certain domains between their points there can be established a biunique relation $M \rightleftarrows M^*$ such that the straight line MM^* belongs to both tangenting subspaces of Sp and Sp^* in M, M^* and that the systems of the second quadratic forms are equivalent. For the Cartan manifolds $\mathfrak{M}p \rightarrow \mathfrak{M}^*p$ it is demanded that by the trandformation W the p-conjugate system of curves of one manifold goes over into the p-conjugate system of the other manifold. Besides it is assumed that W does not degenerate to a W-transformation of the Cartan manifolds $\mathfrak{M}q \rightarrow \mathfrak{M}^*q$ $(q<p)$. Under these assumptions the transformation W admits only even-dimensional Cartan manifolds $\mathfrak{M}_{2q}$. The pairs of Cartan manifolds, being in relation to the transformation W, exist, where $p(p-1)$ functions of two elements remain arbitrary.

Card 1/2 Two Soviet and 2 foreign references are quoted.

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

The Transformation W of the Cartan Manifolds of Singular Projective Type 39-2-3/7

SUBMITTED: December 12, 1956
AVAILABLE: Library of Congress

Card 2/2

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

AUTHOR: ~~Finikov, S.P.~~ SOV/20-120-6-13/59

TITLE: Surfaces of Voss in E_4 (Poverkhnosti Fossa v E_4)

PERIODICAL: Doklady Akademii nauk SSSR,1958,Vol 120,Nr 6,pp 1214-1216(USSR)

ABSTRACT: The author considers 2-dimensional surfaces in E_4 with conjugate Voss net. The most essential properties of the ordinary Voss surfaces in the E_3 are transferred to this surface. The connection existing in the E_3 between the surfaces of Voss and surfaces of Guichard [Ref 2] is no longer valid in the E_4. There are 2 non-Soviet references, 1 of which is German, and 1 French.

PRESENTED: February 20, 1958, by P.S.Aleksandrov, Academician

SUBMITTED: February 18, 1958

1. Mathematics

Card 1/1

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

Finikov, S.P.

16(1) PHASE I BOOK EXPLOITATION SOV/2660

Vsesoyuznyy matematicheskiy s"yezd. 3rd, Moscow, 1956

Trudy. t. 4: Kratkoye soderzhaniye sektsionnykh dokladov. Doklady inostrannykh uchenykh (Transactions of the 3rd All-Union Mathematical Conference in Moscow. vol. 4: Summary of Sectional Reports. Reports of Foreign Scientists) Moscow, Izd-vo AN SSSR, 1959. 247 p. 2,200 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Matematicheskiy institut.

Tech. Ed.: G.N. Shevchenko; Editorial Board: A.A. Abramov, V.G. Boltyanskiy, A.N. Vasil'yev, B.V. Medvedev, A.D. Myshkis, S.M. Nikol'skiy (Resp. Ed.), A.G. Postnikov, Yu. V. Prokhorov, K.A. Rybnikov, P. L. Ul'yanov, V.A. Uspenskiy, N.G. Chetayev, G. Ye. Shilov, and A.I. Shirshov.

PURPOSE: This book is intended for mathematicians and physicists.

COVERAGE: The book is Volume IV of the Transactions of the Third All-Union Mathematical Conference, held in June and July 1956. The book is divided into two main parts. The first part contains summaries of the papers presented by Soviet scientists at the Conference that were not included in the first two volumes. The second part contains the text of reports submitted to the editor by non-Soviet scientists. In those cases when the non-Soviet scientist did not submit a copy of his paper to the editor, the title of the paper is cited and, if the paper was printed in a previous volume, reference is made to the appropriate volume. The papers, both Soviet and non-Soviet, cover various topics in number theory, algebra, differential and integral equations, function theory, functional analysis, probability theory, topology, mathematical problems of mechanics and physics, computational mathematics, mathematical logic and the foundations of mathematics, and the history of mathematics.

Naumovich, N.V. (Rostov-na-Donu). Generalization of the Staudt theorem, derived by means of a multidimensional descriptive geometry 77

Nikolayev, P.V. (Sverdlovsk). Binary anamorphosis of analytic equations 78

Pimenov, R.I. (Leningrad). Axiomatic study of space-time structures 78

Finikov, S.P. (Moscow). Transformation of W Cartan manifolds of a particular projective type 79

Khatipov, A.E.-A. (Samarkand). On the theory of surfaces in spaces with a decomposable absolute 80

Section on Mathematical Logic and the Foundations of Mathematics

Gokiyeli, L.P. (Tbilisi). On the subject of mathematics 83

Yesenin-Vol'pin, A.S. (Moscow). On the second Gödel theorem 84

Card 16/34

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"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

16(0) PHASE I BOOK EXPLOITATION SOV/3177

Matematika v SSSR za sorok let, 1917-1957. tom 1: Obzornyye stat'i (Mathematics in the USSR for Forty Years, 1917-1957). Vol 1: Review Articles) Moscow, Fizmatgiz, 1959. 1002 p. 5,500 copies printed.

Eds: A. G. Kurosh, (Chief Ed.), V. I. Bityutskov, V. G. Boltyanskiy, Ye. B. Dynkin, G. Ye. Shilova, and A. P. Yushkevich; Ed. (Inside book): A. P. Lapko; Tech. Ed.: S. N. Akhlamov.

PURPOSE: This book is intended for mathematicians and historians of mathematics interested in Soviet contributions to the field.

COVERAGE: This book is Volume I of a major 2-volume work on the history of Soviet mathematics. Volume I surveys the chief contributions made by Soviet mathematicians during the period 1947-1957; Volume II will contain a bibliography of major works since 1917 and biographic sketches of some of the leading mathematicians. This work follows the tradition set by two earlier works: Matematika v SSSR za pyatnadtsat' let (Mathematics in the USSR for 15 Years) and Matematika v SSSR za tridtsat' let (Mathematics in the USSR for 30 Years). The book is divided into the major divisions of the field, i.e., algebra, topology, theory of probabilities, functional analysis, etc., and contributions and outstanding problems in each discussed. A listing of some 1400 Soviet mathematicians is included with references to their contributions in the field.

Lyapunov, A. A. Mathematical Studies Connected With the Use of Computers
1. Theoretical studies in programming 857
2. Nonarithmetical use of computers 858
3. Theoretical studies of control systems 869
4. Certain other problems of mathematical cybernetics 874

Shura-Bura, M. R. Programming 879

Bakhvalov, S. V. Nomography 887

Chetverukhin, N. F. Descriptive Geometry 893
1. Fundamental theorem of axonometry and its generalization 893
2. Multidimensional descriptive geometry 895
3. Parametric method of studying images. Positional and metric completeness 896
4. Other problems 897

Vasil'yev, A. M., Norden, A. P., and Finikov, S. P. Differential Geometry 899
1. Problems of classical differential geometry and their generalizations 899
2. Riemann spaces and spaces of affine connection 907
3. Theory of nets 911
4. Induced connections 913
5. Complex spaces 915
6. Theory of geometric objects 918

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1. Geometry on a convex surface 926
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6. Singularity of surfaces given a function of the principle curvatures 944
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9. Certain results on synthetic geometry 951

Yushkevich, A. P. The History of Mathematics 953
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3. Mathematics of ancient Greece 957
4. Mathematics in the Middle Ages 960
5. Works of modern mathematicians 965
6. Works on the history of various disciplines and problems; works of a general nature 980

Author's Index 987

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

FINIKOV, Sergey Pavlovich; KAPUSTINA, V.S., red.; MASLENNIKOVA, T.A., tekhn. red.

[Differential geometry; course of lectures held at the mechanics branch of the Faculty of Mathematics and Mechanics of Moscow State University] Differentsial'naia geometriia; kurs lektsii, chitannyi na mekhanicheskom otdelenii mekhaniko-matematicheskogo fakul'teta MGU. Moskva, Izd-vo Mosk. univ., 1961. 157 p. (MIRA 15:1)

(Geometry, Differential)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

ALEKSANDROV, P.S.; FINIKOV, S.P.

Eduard Cech; obituary. Usp. mat. nauk 16 no.1:119-126 Ja-F '61. (MIRA 14:6)

(Cech, Eduard, 1893-1960)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

ALEXANDROV, P.S.; FINIKOV, S.P.

Eduard Cech; an obituary. Poroky mat fyz astr 7 no.1:36-38 '62.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

CARTAN, Elie Joseph (1869-); FINIKOV, S.P.[translator]

[Riemann geometry in an orthogonal set of linearly independent vectors]Rimanova geometriia v ortogonal'nom repere. Po lektsiiam Eli Kartana, chitannym v Sorbonne v 1926-1927 gg. Perevod i red.S.P.Finikova. Moskva, Izd-vo Mosk. univ., 1960. 306 p. Translated from the French. (MIRA 15:10)
(Spaces, Generalized) (Calculus of tensors)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6

POLYAKHOV, N.N.; SEKERZH-ZEN'KOVICH, Ya.I.; SMIRNOV, V.I.; FINIKOV, S.P.

Leonid Nikolaevich Sretenskii; on his 60th birthday. Usp.mat. nauk 18 no.1:191-204 Ja-F '63. (MIRA 16:2)
(Sretenskii, Leonid Nikolaevich, 1902-)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000413210013-6"

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PINIKOV, S.P.

Six-dimensional Voss's surfaces in a nine-dimensional adjoining space. Uch. zap. MGPI no.208:9-30 '63. (MIRA 17:6)

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Microcrystalloscopy of Reinecke compounds

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necke salt $NH_4Cr(NH_3)_2(SCN)_4$ yields stable [illegible]

Cu⁺⁺, Cu⁺⁺, As [illegible] Hg [illegible] Sn [illegible] Pb [illegible] Sb [illegible] and Bi [illegible] The microcrystalloscopic methods of detection of Cd^{++}, Bi^{+++}, and Sb^{+++} in form of Reinecke salts and the application of mixts. of Reinecke salts and [illegible] $(NH_4)_2$ soln. for detection of Cd^{++}, Bi^{+++}, Cu^{++}, and [illegible] are described. Cd Reineckeate gives yellow needles when dild. 1:1000 and a combination of rhombic bipyramids and 2 pinacoids in 1:1,000–1:10,000 dilns. [illegible] gives nontransparent crystals, grown together in pairs. Bi^{+++} Reineckeate yields nontransparent spherulites when the soln. is dild. and before it is hydrolyzed. With [illegible] as the 2nd agent for the formation of the insol. complex the sensitivity of the reaction is increased. The colors of the ppts. are the same. The Bi^{+++} complex ppts. after hydrolysis in form of branched, bent, orange crystals, the coatings of which are yellow in the presence of Cd^{++}. The form of crystals of the complex plus Cd^{++} depends on the diln. For Cd^{++} the sensitivity is 2 γ in the absence of $Cu(NH_3)_4$ and 0.15 γ in its presence. The limiting dilns. are 1:16,000 and 1:200,000, resp. The crystals of the analogous complex with Cu^{++} are in the form of bundles of yellow green color, in the presence of Cd they are almost brown in 1:2000–1:4000 diln. range. The form of complexes with Cu^{+} (yellow branches) is independent of diln. The sensitivity of the reaction is 1.2 γ. Limiting diln. is 1:25,000.

V. S. Mihailov

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