KELASZ, J.

621.314.214.322

4065. Some problems in the design of on-load tap changers. J. KELASZ. *Przegląd elektrotech.*, 31, E.P. *No.* 2-3, 152-6 (1955) In Polish.

Problems are: insulation to earth and between parts of the apparatus, arc-quenching and contacts, various mechanisms in use, maintenance, type and acceptance tests.

A. KARLSRAD

KELASZ, J.

621.314.2.048 : 628.8

4063. Drying of transformers by the vacuum method. J. KELASZ. *Przegląd elektrotech.*, 31, *No.* 2-3, 230-3 (1955) In Polish.

Costly installations are required. Temperature, vacuum, airtightness and pump efficiency of these are considered. Rapid methods of drying and the water condensation problem are also considered. The conditions necessary for good drying and impregnation are given. They concern only completely installed h.v. power transformers. M. W. MAKOWSKI

BOLGOLOL'SKIY, I.M.; MELIANSKIY, A.L.; ANGELOV, ...

Effect of the nature of cation on the composition of the complex compounds of vinylacetylene. Part 5. Zhur.ob.khim. 33 no.6: 1743-1746 Je '63. (MIRA 16:7)
(Butenyne) (Organometallic compounds)

KEL'BAS, B.I.

Age of deposits of the Serebryanka series of the Donets fault.
Trudy VNIGNI no.12:119-123 '58. (MIRA 12:3)
(Donets Basin--Paleontology, Stratigraphic)

BLIZNYUK, V.F.; GAVRISH, V.K.; GRITSAY, Ye.T.; KEL'BAS, B.I.; KLITOCHENKO, I.F.; MARTYNOV, A.A.; PALIY, A.M.; POPOV, V.S.; SHAYKIN, I.M.; YARCHENKO, L.M.

Stratigraphic boundaries and oil and gas potentials of the Upper Cretaceous sediments in the Dnieper-Donets Lowland. Geol. nefti i gaza 8 no.4:28-33 Ap '64. (MIRA 17:6)

1. Glavnoye upravleniye geologii i okhrany nedr pri Sovete Ministrov UkrSSR, Kiyevskaya ekspeditsiya tresta Ukregeofizrazvedka, Kiyevskaya ekspeditsiya Ukrainskogo nauchno-issledovatel'skogo geologorazvedochnogo instituta i Chernigovskaya ekspeditsiya Ukrainskogo nauchno-issledovatel'skogo geologorazvedochnogo instituta.

KEL'BAS, B.I.

Kupyansk key well. Trudy VNIGNI no.24:53-102 '60.
(MIRA 13:7)
(Kharkov Province--Petroleum geology)

KEL'BAS, B.I.

Characteristics of the lithological composition and thickness of the Lower Permian salt-bearing series in the region of the Shebelinka, Balakleya, and Chervonodonets uplifts. Trudy UkrNIGRI no.5:43-48 '63. (MIRA 18:3)

KELBASINSKIY, A.S.

Some generalizations of A.M.Ostrovskii's theorems pertaining to iteration processes. Vest. Mosk. un. Ser. 1: Mat., mekh. 15 no.5: 40-48 S-O '60; (MIRA 13:11)

1. Kafedra vychislitel'noy matematiki Moskovskogo universiteta. (Probabilities)

KELBASINSKIY, L., inzh. (Varshava)

Construction of a petroleum pipeline in the Polish People's Republic. Stroi. truboprov. 5 no.12:7-8 D '60. (MIRA 13:12)
(Poland--Petroleum--Pipelines)

KEL'BERG, D. (Tashkent); SHINKARENKO, P. (Tashkent)

Eliminate the inflammability of cotton-baling machines. Pozh. delo 4 no.11:10-11 N '58. (MIRA 11:12)
(Tashkent--Cotton machinery--Safety measures)

KEL'BERG, V.P.

Relation between the air temperature and the bursting altitude of the radiosonde cover during its flight in the real atmosphere. Trudy KazNIGMI no.22:127-140 '65.
(MIRA 18:11)

KEL'BERG, V.P.

Altitude of radiosounding as a function of physicomechanical properties of shells. Trudy KazNIGMI no.19:31-102 '63. (MIRA 17:3)

Author: Kel'berg, V. P.

Relationship between air temperatures and the bursting altitude of radiosondes flown in the real atmosphere

Source: Alma-Ata Kazakhskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut. Trudy, no. 22, 1965. Voprosy meteorologii i klimatologii. Problems in meteorology and climatology, 127-14[illegible]

TOPIC TAGS: radiosonde balloon, balloon bursting altitude, balloon resiliency, temperature effect

ABSTRACT: The results of extensive investigations carried out by the Kazakh Scientific Research Hydrometeorological Institute to determine the effect of temperature on the bursting altitude of polyethylene radiosondes [illegible] day and nighttime [illegible] data was taken [illegible] atmosphere [illegible] Major conclusions drawn [illegible]

Card [illegible]

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721420015-9"

L 52616-65
ACCESSION NR: AT5013363

[illegible] actual field conditions, a drop in temperature from [illegible] to -70° caused [illegible] am [illegible] ver [illegible] at [illegible] showed [illegible] that [illegible] temperatures of [illegible] power [illegible] at all latitudes, and in respect to latitude, that [illegible] the southern and [illegible] of the Soviet Union. Orig. art. [illegible]

[illegible] Kazakhskiy nauchno-issledovatel'skiy gidrometeorologicheskiy [illegible]
[illegible] Alma-Ata (Kazakh Scientific Research [illegible]

KEL'BERT, D., kand.tekhn.nauk

Interesting and fascinating. Okhr. truda i sots. strakh. 6 no. 12:24 D '63. (MIRA 17:2)

2155. Kel'bert, D.L.

Protivopozharnaya Tekhnika V Lopkoochistitel'No.I Promyshlennosti. Tashkent, Gosiedat UzSSR, 1954. 256 s.s. Ill. 23sm. 5,000 EKZ. 10r. 10k. V Per.- Bibliogr:s. 252-
(54-56223)p 628.741:677.21₇(016.3)

USSR/Chemical Technology. Chemical Products and Their Application - Pesticides I-7

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 12439

Author : Kel'bert D.L., Sosnovskiy S.I., Lyubetskiy Kh.Z.
Inst : Tashkent Textile Institute
Title : Toxicity of Granosan Treatment of Cotton Seed

Orig Pub : Sb. nauch.-issled. rabot Tashkentsk. tekstil'n. in-ta, 1955, No 2, 31-39

Abstract : A study was made of labor conditions of workers who treat cotton seed intended for sowing with granosan at three cotton ginning plants in Uzbekistan. Recommendations are made on improvements of sanitary conditions of the work.

Card 1/1

KEL'HERT, D.L., kand.tekhn.nauk

Improving working conditions on cotton-picking machinery.
Sbor. nauch.-issl. rab. TTI no.4:64-69 '57. (MIRA 11:9)
(Cotton-picking machinery)

KEL'BERT, D., kand. tekhn. nauk.

Dust collectors used in cotton mills. Pozh. delo 4 no.2:8-9 F '58.
(Dust collectors) (MIRA 11:1)

KEL'BERT, D.L., kand.tekhn.nauk

Safe measurement of liquid fuel level in small-capacity containers. Bezop.truda v prom. 3 no.8:33 Ag '59. (MIRA 12:11)
(Liquid level indicators)

KEL'BERT, D.L.

Qualitative characteristics for the evaluation of harmful emanations in cotton gins. Izv. vys. ucheb. zav.; tekh. tekst. prom. no.3:135-142 '59. (MIRA 12:11)

1.Tashkentskiy tekstil'nyy institut.
(Cotton gins and ginning) (Dust collectors)

KEL'HERT, D.

Let's create safe working conditions in cotton mills. Sots. trud. 4 no.4:62-65 Ap '59. (MIRA 12:6)
(Cotton manufacture--Hygienic aspects)

KEL'BERT, D., kand.tekhn.nauk (Tashkent)

Carelessness does not bring one to a good end. Okhr.truda i sots.strakh. no.10:44-46 O '59. (MIRA 13:2)
(Tashkent Province--Manufacture--Safety measures)

KEL'BERT, D.L., kand.tekhn.nauk, dotsent; GULIDOV, N.G., kand.tekhn.nauk

"Primary cotton processing" by N.I.Milokhov and others. Tekst. prom. 20 no.10:83-85 O'60. (MIRA 13:11)

1. Tashkentskiy tekstil'nyy institut (for Kel'bert).
(Cotton gins and ginning) (Milokhov, N.I.)

KEL'BERT, D., kand. tekhn. nauk

Technical causes of cotton fires. Pozh.delo 6 no.5:28 My '60.
(MIRA 13:8)
(Cotton gins and ginning—Fires and fire prevention)

KEL'BERT, D.L., kand.tekhn.nauk

Work safety measures in treating cottonseeds with dry mordants.
Tekst.prom. 20 no.1:80-83 Ja '60. (MIRA 13:5)
(Cotton gins and ginning--Safety measures)

KEL'BERT, D.L.

Qualitative characteristics for the evaluation of fire hazards caused by cotton inflammability. Izv.vys.ucheb.zav.;tekh.tekst.prom. no.4: 173-174 '60. (MIRA 13:9)

1. Tashkentskiy tekstil'nyy institut.
(Cotton gins and ginning--Fires and fire prevention)

KEL'BERT, D.L., kand.tekhn.nauk

Fire spaces in raw-material warehouses. Tekst.prom. 20 no.8: 63-65 Ag '60. (MIRA 13:9)
(Warehouses--Fires and fire prevention)

KEL'BERT, D.L., dotsent

Graphic determination of water consumption needed for extinguishing the burning of cotton. Sbor.nauch.-issl.rab. TTI no.9:67-71 '60. (MIRA 15:6)

(Cotton) (Fire extinction)

KEL'BERT, D.

Machine harvesting of cotton. Pozh.delo 8 no.6:29 Je '62.
(MIRA 15:6)

(Cotton machinery--Safet, appliances)

KEL'BERT, D.L., dotsent

Ways of reducing the occupational hazards in the use of copper trichlorophenolate. Sbor.nauch.-issl.rab.TTI no.12:59-62 '61. (MIRA 15:11)

(Copper--Toxicology) (Occupational diseases)

KEL'BERT, D.L.; TSITOVICH, N.A.

Efficient method of control of the bacterial contamination of cotton. Sbor.nauch.-issl.rab.TTI no.12:101-103 '61. (MIRA 15:11)
(Cotton--Microbacteriology)

KEL'BERT, D.L.; KHODZHAYEV, F.Kh., red.; KUVALDIN, V.A., red.; YAKOVENKO, Ye.P., red.

[Safety measures in mechanizing heavy and labor-consuming work in the cotton and bast industries] Tekhnika bezopasnosti pri mekhanizatsii tiazhelykh i trudoemkikh rabot v khlopkovoi i lubianoi promyshlennosti. Tashkent, Gosizdat Uzb.SSR, 1962. 181 p. (MIRA 17:5)

KUPERMAN, Z., inzh. (Moskva); MOROZOV, A.; ZHIRNOV, N.; POLYAKOV, V., inzh.; LUGOVOY, V. (Tbilisi); KEL'BERT, D. (Tashkent)

Technical information. Okhr. truda i sots. strakh. 5 no.9:36-40 S '62. (MIRA 16:5)

1. Starshiy inzhener avtokolonny 2200 Kirovogradskogo oblastnogo avtotransportnogo tresta (for Zhirnov).
(Technological innovations) (Safety appliances)

BOBORYKIN, S.; KEL'BERT, S.

Increase the role of workshop efficiency experts. Sots. trud 5 no.5: 105-107 My '60. (MIRA 13:11)
(Moscow--Machinery industry--Production standards)

KELBERT, S. L.

"Hydrometeorological Conference"
Izv. Akad. Nauk Uzbekskoy SSR, No 6, 1953, pp 111-114

A hydrometeorological conference organized by the Academy of Sciences of Uzbek SSR (the physico-mathematical division), was held in Tashkent (RZhFiz, No 11, 1954)

SO: W-31187, 8 Mar 55

[illegible], S. L.

"Hydrometeorological Conference"
Izv. AN UzSSR,

In Tashkent was held a hydrometeorological conference summoned by the Department of Physicomathematical Sciences of Uzbek SSR and by the Directorate of the Hydrometeorological Service of Uzbek SSR. The following were heard: Prof V. A. Bugayev, director of the Institute of Mathematics and Mechanics of Academy of Sciences Uzbek SSR; M. B. Blyum, head of the Division of Agrometeorology of Tashkent Geophysical Observatory; B. A. Ayzenshtat, candidate of physicomathematical sciences; M. V. Zuyev, senior scientific associate of Tashkent Geophysical Observatory; Prof V. L. Shul'ts; Prof V. A. Dzhorzhio; [illegible]idate V. M. Legostayev. (RZhGeol, No 6, 1954)

SO: Sum. 492, 12 May 55

KEL'BERT, S.L.

Research on P.L.Chebyshev's problem. Izv.AN Uz.SSR 3:89-95 '56. (MIRA 12:6)
(Chebyshev polynomials)

06558

30(1),16(2)

AUTHORS: Arzhanykh,I.S., Rozenblyum,L.M., Landsman,M.I.,and Kel'bert,S.L. SOV/166-59-4-9/10

TITLE: On the Threefold Treatment of the Cotton Shrub by the Cotton Harvester With Vertical Spindles

PERIODICAL: Izvestiya Akademii nauk Uzbekskoy SSR, Seriya fiziko-matematicheskikh nauk,1959, Nr 4, pp 64-69 (USSR)

ABSTRACT: The authors describe the results of experiments carried out on November 17-28,1958 on the fields of the Scientific Research Institute for Mechanization and Electrification of the AS Kh N Uz SSR by the laboratory of mechanical cotton harvesters of the Institute of Mathematics and Mechanics at the AS Uz SSR, in order to examine the working of the new cotton harvesters SKhM-48M-ANT-1 and 2 which have an additional pair of spindle barrels and perform a threefold treatment of the shrub. The maximal harvest (88.9%) reached SKhM-48M-ANT-1. Because of the satisfactory results corresponding agricultural machines shall be constructed. The question of the multiple treatment of the shrub was firstly treated by L.M.Rozenblyum in 1949 (patent Nr 86 314, 1949). There are 3 tables and 3 figures.

ASSOCIATION: Institut mekhaniki AN Uz SSR (Institute of Mechanics AS Uz SSR)
SUBMITTED: April 2, 1959
Card 1/1

06559

16(2),30(1)

AUTHORS: Kel'bert,S.L.,and Krutikov,L.P. SOV/166-59-4-10/10

TITLE: On Some Methodical Questions for the Investigation of the Work of Separator-Cleaners

PERIODICAL: Izvestiya Akademii nauk Uzbekskoy SSR, Seriya fiziko-matematicheskikh nauk, 1959, Nr 4, pp 70-76 (USSR)

ABSTRACT: The paper contains numerous proposals for the investigations which have to be carried out for the construction of a separator-cleaner for cotton harvesters. For the determination of the aerodynamic properties of cotton wool and the appearing mixtures of foreign bodies the authors recommend two special devices the principal schemes of which are given. The technology of the separation and cleaning shall be performed as far as possible by a molding of the process under consideration of the laws of the mechanics of similitude. The scheme of a possible mechanic model is given. The evaluation of the results is carried out with statistical methods, especially with the aid of the method of momentum.
There are 5 figures

ASSOCIATION: Institut matematiki i mekhaniki (Institute of Mathematics and Mechanics)
SUBMITTED: March 2, 1959
Card 1/1

KEL'BERT, S.L.

Brief news. Izv. AN Uz. SSR. Ser. fiz.-mat. nauk 7 no.2:99 '63.
(MIRA 16:6)

(Golodnaya Steppe--Agriculture) (Radioactive tracers)

KEL'BERT, Ya.

Practice of developing time norms for melting, casting and knockout operations. Biul.nauch.inform.: trud i zar.plata 4 no.5:43-48 '61. (MIRA 14:5)

(Forging--Production standards)

BOBORYKIN, S.; KEL'BERT, Ya.

"Handbook for establishing norms in the manufacture of machinery." Vol. 2. Reviewed by S. Boborykin, IA Kel'bert. Sots. trud 7 no.8:154-156 Ag '62. (MIRA 15:10)

(Machinery industry—Production standards)

25(5) PHASE I BOOK EXPLOITATION SOV/2628

Kel'bert, Yakov Markovich, Mikhail Mikhaylovich Osminin, and Gavriil Vasil'yevich Senatov

Normirovaniye slesarno-sborochnykh rabot (Setting Up Standards for Machining and Assembling Operations) Leningrad, Sudpromigiz, 1958. 361 p. 2,600 copies printed.

General Ed.: S. G. Boborykin; Scientific Ed.: S. G. Boborykin; Ed.: N. S. Zheltoukhov; Tech. Ed.: L. I. Levochkina.

PURPOSE: This book is intended for standard setters, production engineers, and machine and assembly shop foremen and may be of use to employees of standard-studying bureaus.

COVERAGE: The book discusses the techniques of setting time standards for bench and bench and assembly operations and reviews individual and consolidated time standards employed in lot manufacture. Examples of calculating individual and consolidated time standards for bench and assembly operations are included together with tables for job acceptance standards. No personalities are mentioned. There are six references, all Soviet.

Card 1/3

Setting Up Standards for Machining (Cont.) SOV/2628

TABLE OF CONTENTS:

Card 2/3

24(8) PHASE I BOOK EXPLOITATION SOV/2809

Akademiya nauk SSSR. Otdeleniye khimicheskikh nauk

Termodinamika i stroyeniye rastvorov; trudy soveshchaniya... (Thermodynamics and Structure of Solutions; Transactions of the Conference Held January 27-30, 1958) Moscow, Izd-vo AN SSSR, 1959. 295 p. 3,000 copies printed.

Ed.: M. I. Shakhparonov, Doctor of Chemical Sciences; Ed. of Publishing House: N. G. Yegorov; Tech. Ed.: T. V. Polyakova.

PURPOSE: This book is intended for physicists, chemists, and chemical engineers.

COVERAGE: This collection of papers was originally presented at the Conference on Thermodynamics and Structure of Solutions sponsored by the Section of Chemical Sciences of the Academy of Sciences, USSR, and the Department of Chemistry of Moscow State University, and held in Moscow on January 27-30, 1958. Officers of the conference are listed in the Foreword. A list of other reports

Card 1/10

also read at the conference, but not included in this book, are given. Among the problems treated in this work are: electrolytic solutions, ultrasonic measurement, dielectric and thermodynamic properties of various mixtures, spectroscopic analysis, etc. References accompany individual articles.

TABLE OF CONTENTS:

Card 2/10

SAMOLEVSKIY, I.Ya.; ZHEMELA, G.P.; KEL'BIYEV, N.Sh.

Preceding crops and the quality of grain. Zemledelie 27 no.9:21-25 S '65. (MIRA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy svekly (for Samolevskiy, Zhemela). 2. Dagestanskiy nauchno-issledovatel'skiy institut sel'skogo khozyaystva (for Kel'biyev).

BROK, V.A., kand.geogr.nauk; KOVALEVA, T.Ye., inzh.; KEL'CHEVSKAYA, L.S., starshiy inzhener; IZNAIRSKAYA, I.A., starshiy inzhener; KUKHARSKAYA, V.L.; PAKHNEVICH, K.P., inzh.; DYMOVICH, Yu.L., inzh.; VOROB'YEVA, T.P., inzh.; PAKHNEVICH, S.Ya., otv.red.; LEONTOVICH, B.V., nauchno-tekhn.red.; USHAKOVA, T.V., red.; SERGEYEV, A.N., tekhn.red.

[Agroclimatic reference book on Kemerovo Province] Agroklimaticheskii spravochnik po Kemerovskoi oblasti. Leningrad, Gidrometeor.izd-vo, 1959. 135 p. (MIRA 13:2)

1. Novosibirsk. Gidrometeorologicheskaya observatoriya. 2. Novosibirskaya gidrometeorologicheskaya observatoriya (for Brok, Kovaleva, Kel'chevskaya, Iznairskaya, Kukharskaya, K.P. Pakhnevich, Dymovich, Vorob'yeva). 3. Direktor Novosibirskoy gidrometeorologicheskoy observatorii (for Leontovich).
(Kemerovo Province--Crops and climate)

KEL'CHEVSKAYA, L.S.

Agroclimatological basis for sugar beet sowing times in Western Siberia. Meteor. i gidrol. no.7:50-54 Jl '62. (MIRA 15:6)
(Siberia, Western—Sugar beets) (Planting time)

KEL'CHEVSKAYA, L.S.

Agroclimatic indices of the growth of sugar beets. Meteor. i gidrol. no.11:28-31 N '63. (MIRA 16:11)

1. Novosibirskaya gidrometeorologicheskaya observatoriya.

KEL'CHEVSKAYA, L.S.

Complex evaluation of heat and moisture security of the vegetation period of sugar beets. Trudy TSIP no.140:97-104 '65. (MIRA 18:7)

POLAND/Cultivated Plants. Commercial. Oil-Bearing. Sugars. M

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20414.

Author : F. Dembinskiy, M. Yablonskiy, A. Gofmanova, B. Kelchevskiy
Inst : Not given.
Title : The Effect of Sowing Times and Spacing Between Plants on the Castor Oil Seed and Oil Harvest. (Vliyaniye srokov poseva i rasstoyaniya mezhdu rasteniyami na urozhay semyan kleshcheviny i sbor masla).

Orig Pub: Roczn. nauk. rolniczych, 1956, A72, No 3, 465-501.

Abstract: The tests were made with the Pulavskaya variety which belongs to the stock of Ricinus chinensis. The highest yield was obtained with spacing the plants at 40 X 40 cm and with the planting times between the 5th and 30th April. Dense spacing of the plants reduced the damage

Card : 1/2

KELDOSILD, R.

Storage houses for potatoes and vegetables. p. 371.

GAZ, WODA I TECHNIKA SANITARNA (Stowarzyszenie Naukowo-Techniczne Inzynierow i Techników Sanitarnych, Ogrzewnictwa i Gazownictwa) Warszawa, Poland, Vol. 13, no. 8, Aug. 1958

Monthly list of East European Accession (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

KELDOOILD, R.

The number of hogs in existing hog houses can be increased. p.471

SOTSIALISTLIK POLLUMAJANDUS. Tallinn, Estonia. Vol. 14, no. 10. May 1959

Monthly List of East European Accessions (EEKI), LC. Vol. 8, No. 9, September 1959
Uncl.

KELDYSH, L. V.

"On Simple Functions of Class A," Dokl. AN SSSR, No.4, pp. 192-97, 1934

KELDYSH, L. V.

"On Homeomorphic Canonical Elements, Third Class" Matemat. Sborn., 41, No.2, 1934 pp. 187-220

KELDYSH, L. V.

"High Evaluation of Classes of Active Constituents of Analytical Compliments," Iz. AN SSSR, Ser. Mat., No.2, pp 265-284, 1937

KELDYSH, L. V.

"Calculating Dimension of B Determined Solution," Iz. Ak. Nauk SSSR, Ser. Mat., No.3, pp. 403-418, 1937

KELDYSH, L. V.

"On One Connection Determining Dimension B," Iz. Ak. Nauk SSSR, Ser. Mat., No.1, pp. 125-136, 1938

KELDYSH, L. V.

"Determination of Minimal Structures," Iz. Ak. Nauk SSSR, Ser. Mat., No.2, 1938

KELDYSH, L. V.

"Solution, Determining Integrals of Dimension B," Dokl. AN SSSR, 19, Nos. 1-2, pp. 11-14, 1938

KELDYSH, L. V.

"Monogenetic Numerals of Dimension B," Dokl. AN SSSR, 26, No.6, 1940, pp. 531-534

KELDYSH, IU. VILA (V.)

"Direct Proof of the Theorem on the Function of a Canonical Element E_a to Glass a and Arithmetical Examples of a Measura le Masses B of Higher Elemtnes," Dokl. AN 28, No? 1940. pp. 675-678

KELDYSH, L. V.

"Structure of B Integrals," Dokl. AN SSSR, 31, No.7, pp. 651-653, 1941

KELDYSH, L. V.

"On the Structure of Series of Dimension B," Mat. Sbor., 15, No.1, p. 77-98, 1944

KELDYSH, L.V.

[Lattice of B-sets] Struktura V-mnozhestv. Akademiia nauk SSSR, Moscow-Leningrad, 1945. 74 p. (MLRA 7:8)
(Aggregates)

KELDYSH, L. V.

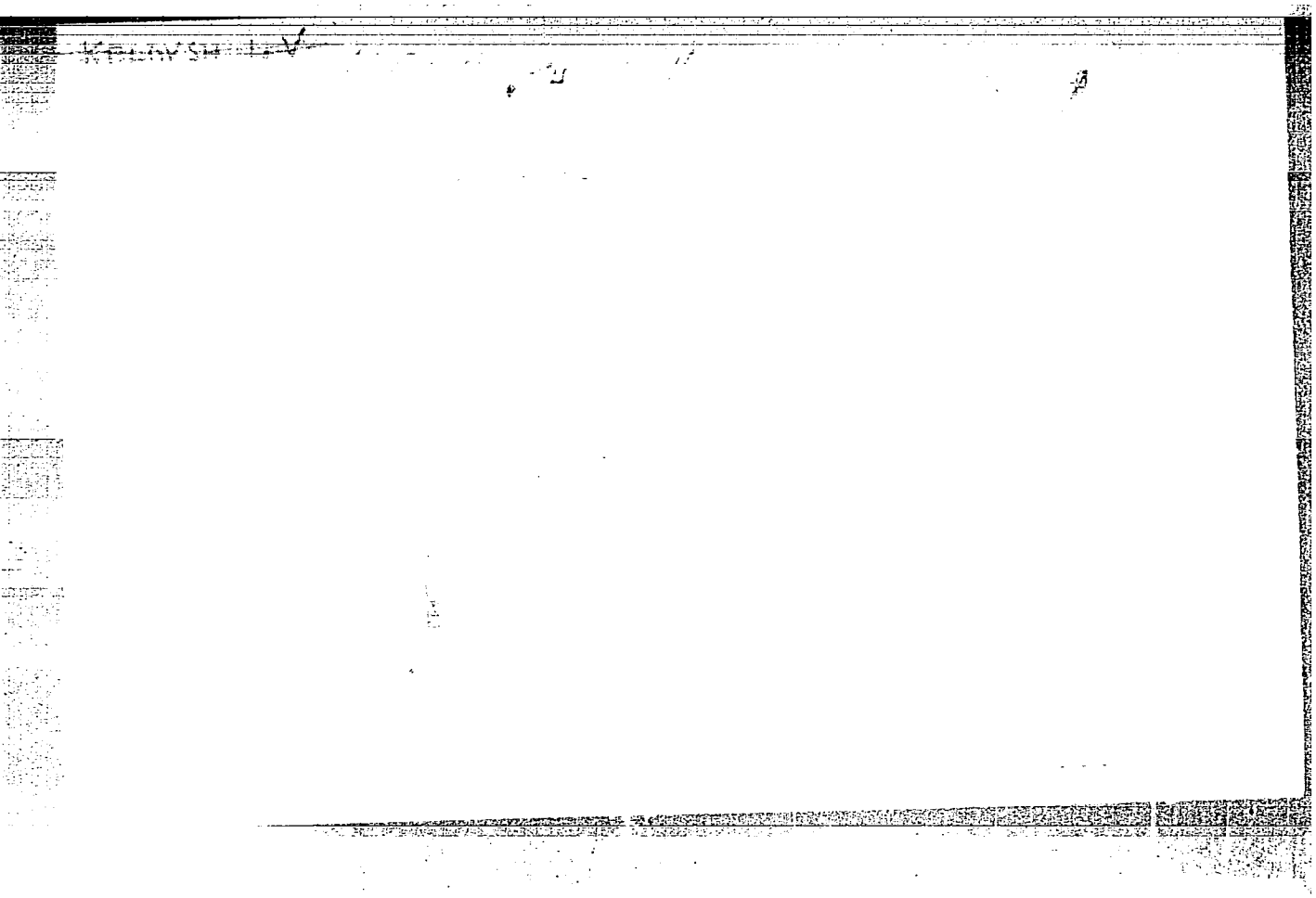
"Structure of B-Numerals," Trudy Mat. In-ta im. Steklov, No.17, pp. 1-76, 1945

[illegible]DYSH, L. [V.]

"Concerning the Open Transformations of the Groups A," Dokl. AN 49, No. 9, 1945. m.646-48

KELDYSH, L.V.

A decomposition of a metric s
closed



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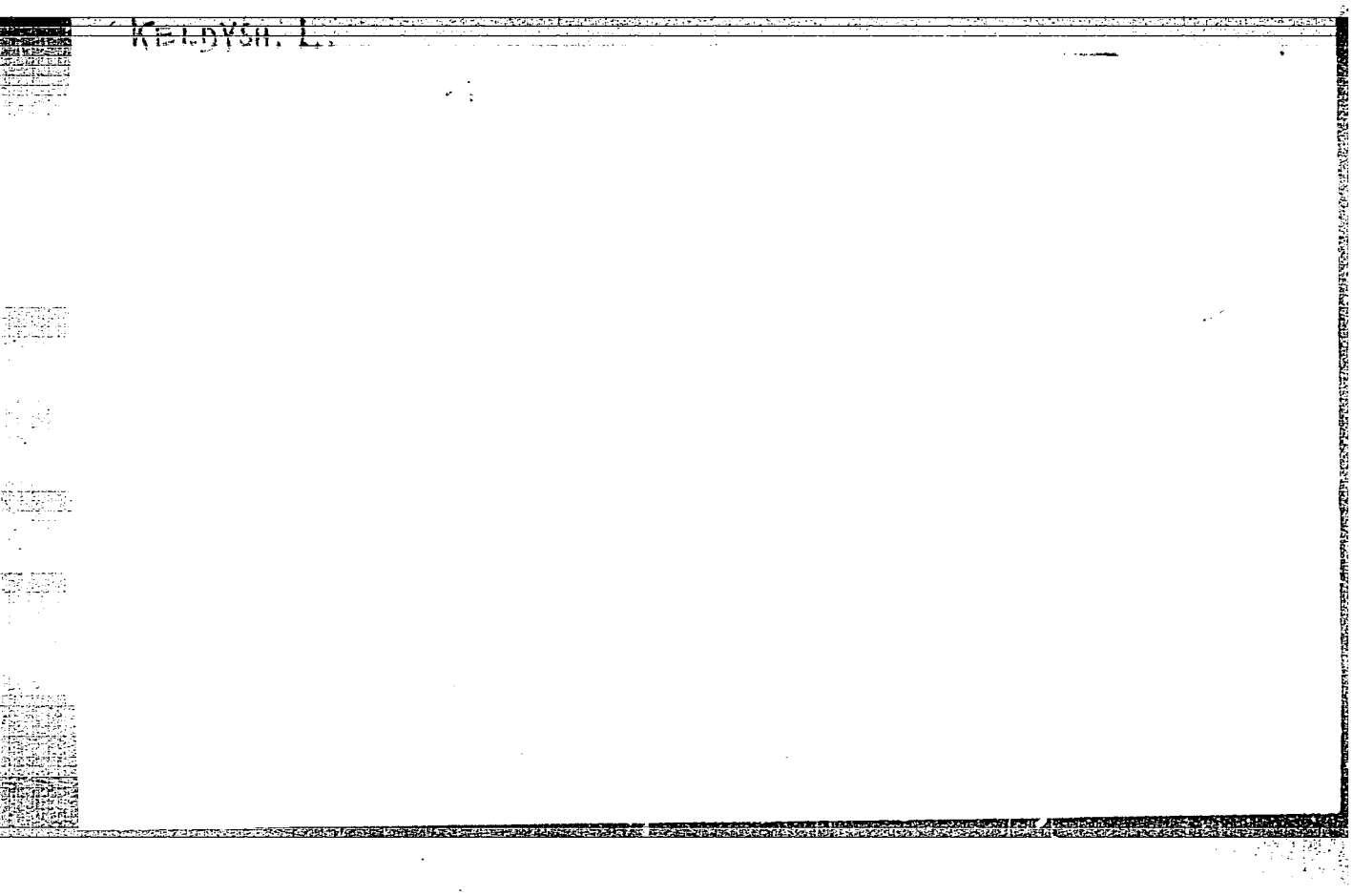

KELDYSH, LYUDMILA

"Null-Dimensional Reflections of a Finite-Dimensional Compact," Dokl. AN 68, No. 6, 1949.

Math. Inst. im. V.A. Steklov; Acad. Sci.,

KELDYSH L.

Keldyš, Lyudmila. A continuous transformation of a segment onto an n-dimensional cube. Mat. Sbornik N.S. 28(70), 407–430 (1951). (Russian)

Proofs of results announced earlier [Doklady Akad. Nauk SSSR (N.S.) 66, 327–330 (1949); these Rev. 11, 45].

L. Zippin (Flushing, N. Y.).

Source: Mathematical Reviews, Vol 12 No. 10

USSR/Mathematics - Group Theory May/Jun 51

"Null-Measure Reflections That Exceed the Dimensions," Lyudmila Keldysh, Moscow, Math Inst imeni Steklov, Acad Sci USSR

"Matemat Sbor" Vol XXVIII, No 3, pp 537-566

Continuous reflection $Y_1 = f(X)$ is called null-measure if prototype $f^{-1}(y)$ of each point y in Y is null-measure. Continuous reflection $Y = \varphi(X)$ is called uniformly not exceeding dimensions if for any set V closed in X we have dim $\varphi(V) \leq$ dim V (dim M designates "dimensions of set M"). Cf. G. T. Whyburn, "Analytic Topology," NY, 1942; K.

186T56

USSR/Mathematics - Group Theory (Contd) May/Jun 51

Menger, "Dimensionstheorie," Leipzig, 1928. Authoress extends earlier results to the case of null-measure reflections of metric separable compactum X of finite dimensions. Submitted 5 Nov 49.

186T56

KELDYSH, Lyudmila

[illegible], L. [illegible].

G[illegible]berg, Descriptive

Monotonic representations of a subs., Trudy Mat. Inst., no. 38, 1951.

In Monthly List of Russian Accessions, Library of Congress, May 1952. Unclassified.

LUZIN, Nikolay Nikolayevich, 1883-1950.; KELDYSH, L.V., redaktor; NOVIKOV, P.S., redaktor.

[Lectures on analytic sets and their applications] Lektsii ob analiticheskikh mnozhestvakh i ikh prilozheniiakh. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry, 1953. 359 p. (MLRA 6:12)
(Functions, Analytic)

KELDYSH, L. V.

Functions of Real Variables

Integral and Trigometric series. N. N. Luzin. Reviewed by L. V. Keldysh. Nov. kniga No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

1. KELDYSH, L. V.; NOVIKOV, P. S.

2. USSR (600)

4. Numbers, Theory of

7. Works of N. N. Luzin in the field of the descriptive theory of sets. Usp. mat. nauk 8, No. 2, 1953.

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

KELDYSH, LUDMILA

USSR/Mathematics - Topology

Card 1/1

Author : Keldysh, Ludmila

Title : An example of mapping one-dimensional continuum on a square as a null-dimensional open set.

Periodical : Dokl. AN SSSR, 97, Ed. 2, 201 - 204, July 1954

Abstract : The previous mapping of a one-dimensional set on a square or a cube, is discussed; it is pointed out, however, that the mapped set never was null-dimensional. An example of mapping one-dimensional continuum as null-dimensional and open set on a square is given. Four references.

Institution : ...

Presented by : Academician P. S. Aleksandrov, April 22, 1954

KELDYSH, Lyudmila

USSR/Mathematics - Topology

Card 1/1 Pub. 22 - 6/47

Authors : Keldysh, Lyudmila

Title : Concept about zero-dimensional open reflections in the form of superpositions

Periodical : Dok. AN SSSR 98/5, 719-722, Oct 11, 1954

Abstract : The zero-dimensional open reflection of one compact set of certain dimensions on another compact set of different dimensions is explained. A continuous reflection is only then called zero-dimensional when the prototype of each point is zero-dimensional. The existance of a one-dimensional continuum, with zero-dimensional and open reflection on a square, is discussed. Four references: 3-USSR and 1-German (1932-1954).

Institution : Academy of Sciences USSR, The V. A. Steklov Institute of Mathematics

Presented by: Academician P. S. Aleksandrov, July 2, 1954

KELDYSH, Lyudmila

Keldysh, L. V.

44-1-243

TRANSLATION FROM: Referativnyy zhurnal, Matematika, 1957, Nr 1, p 35 (USSR)

AUTHOR: Keldysh, L.V.

TITLE: On the Presentation of Open Mappings Which Increase Dimensions in the Form of Superposition (O predstavlenii otkrytykh otobrazheniy, povyshayushchikh razmernost' v vide superpozitsiy)

PERIODICAL: Tr. 3-go Vses.. matem. s"yezda, 2, Moscow, AN SSSR, 1956, pp 134-135

ABSTRACT: Bibliographic entry

Card 1/1

AUTHOR: Keldysh, Lyudmila (Moscow).

TITLE: The monotonic mapping of a cube onto a cube of a higher number of dimensions. (Monotonnoe otobrazheniye kuba na kub bol'shey razmernosti).

PERIODICAL: "Matematicheskiy Sbornik" (Mathematical Symposium), 1957, Vol.41(83), No.2, pp.129-158 (USSR).

ABSTRACT: Since in a three-dimensional cube can be topologically embedded any one-dimensional compact, and there exists a one-dimensional compact which can be monotonically mapped on a Hilbert parallelopiped, it readily follows that a three-dimensional cube can be monotonically mapped on a compact containing a Hilbert parallelopiped. Anderson (4,5) has announced that he can construct an example of a monotonically open mapping of a three-dimensional cube onto a compact of an infinite number of dimensions and monotonically open mapping of a p-dimensional cube onto a q-dimensional cube, where $p < q$, without indicating the method. In this article an example is constructed of a monotone irreducible mapping of a three-dimensional cube onto a 4-dimensional cube. It then follows that for p greater than or equal to three, there exists a monotone irreducible mapping of a p-dimensional cube on a q-dimensional cube, where $3 \leq p < q$. A short description of this example appears in (6).

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APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721420015-9"

The monotonic mapping of a cube onto a cube of a higher number of dimensions. (Cont.)

There are six references, of which two are Russian.

4. R.D.Anderson, Some monotone images of R^3. Bull.Amer. Mat.Soc. Vol.59, No.3 (1953). pp. 247-248.

5. R.D.Anderson, Some upper semi-continuous collections of continuous curves filling up R^3. ditto. No.6 (1953). p.559.

6. L.V.Keldysh, An example of a monotone irreducible mapping of a three-dimensional cube onto a four-dimensional cube. D.A.N.,USSR. Vol.103,No.6. (1955). pp.957-960.

Submitted 4/6/56.

The Transformation of a Monotone Irreducible Mapping Into a Monotone-open Mapping and Monotone-open Mappings of the Cube for Which the Dimension is Enlarged 39-2-4/7

Theorem: Let f be a monotone irreducible mapping of X onto a locally connected continuum Y, where no connected, in Y open set is split up by a simple arc. If the intersection of an arbitrary connected, in Y open set with the set E is connected, then there exists a monotone mapping φ of Y onto a continuum Z such that the superposition $F = \varphi f$ is a monotone-open mapping of X onto Y and there holds $\dim Y - 1 \leq \dim Z \leq \dim Y$. Eight Soviet and 14 foreign references are quoted.

SUBMITTED: May 27, 1957
AVAILABLE: Library of Congress

Card 2/2

AUTHOR: Keldysh, Lyudmila 20-114-3-6/60

TITLE: The Transformation of Monotonic Irreducible Mappings Into Monotonic-Open Ones and the Monotonic-Open Mapping of the Cube Onto a Cube of Greater Dimensions (Preobrazovaniye monotonnykh neprivodimykh otobrazheniy v monotonno-otkrytyye i monotonno-otkrytoye otobrazheniye kuba na kub bol'shey razmernosti)

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol 114, Nr 3, pp 472-475 (USSR)

ABSTRACT: Theorems 1 and 2 given here furnish a method for the construction of different examples for monotonic-open representations, especially for such as increase the number of dimensions. From theorem 1 follows the positive solution of the problem of P. S. Aleksandrov on the existence of an open representation of a p-dimensional cube onto a q-dimensional one for $q > p \geq 3$. The author only shortly describes the idea of the proof of theorems 1 and 2. A more accurate description will follow later. Theorem 1: Let f be a monotonic irreducible representation of the continuous spectrum X upon the manifold (with or without boundary) Y with the number of dimensions $n \geq 3$,

Card 1/3

The Transformation of Monotonic Irreducible Mappings Into Monotonic-Open Ones and the Monotonic-Open Mapping of the Cube Onto a Cube of Greater Dimensions

20-114-3-6/60

where the section of every domain Y is f-fold connected with the set E of the uniqueness points. Then at any $\varepsilon > 0$ a continuous ε-displacement Φ of the manifold Y upon itself exists, so that the superposition $F = \Phi f$ is a monotonic-open representation of X upon Y. Theorem 2: X be a monotonous irreducible representation of the continuous spectrum X upon the locally-connected continuous spectrum Y so that no continuous set (domain) u, open in Y, is divided by an open arc. When the section $E \cap U$ of any continuous set is connected with the set of the uniqueness points, a monotonic representation Φ of the continuous spectrum Y upon the continuous spectrum Z exists, so that the superposition $F = \Phi f$ is a monotonic-open representation of the continuous spectrum X upon the continuous spectrum Z. In this connection dim $Z \geq$ dim y - 1 applies. Some lemmata and corollaries are given. There are 5 references, 3 of which are Soviet and 2 English.

Card 2/3

LUZIN, N.N.; NOVIKOV, P.S., otvetstvennyy red.; KELDYSH, L.V., doktor fiz.-mat.nauk, otvetstvennyy red.; ARSENIN, V.Ya., red.izd-va; SHEVCHENKO, G.N., tekhn.red.

[Collected works] Sobranie sochinenii. Moskva, Izd-vo Akad. nauk SSSR. Vol.2. [Descriptive theory of sets] Deskriptivnaia teoriia mnozhestv. 1958. 744 p. (MIRA 11:4)

1. Chlen-korrespondent AN SSSR (for Novikov)
(Aggregates)

KELDYSH, L. V.

"Open Mappings of Compacta."

paper submitted at Intl. Congress Mathematicians, Edinburgh, 14 - 21 x Aug 58.

KELDYSH, Lyudmila

Open mapping of a three-dimensional cube onto a four-dimensional cube. Mat. pros. no.3:259-264 '58. (MIRA 11:9)
(Cube)

16(1)

AUTHOR: Keldysh, Lyudmila

SOV/38-23-2-2/10

TITLE: Zero-Dimensional Open Mappings (Nul'mernyye otkrytyye otobrazheniya)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya matematicheskaya, 1959, Vol 23, Nr 2, pp 165 - 184 (USSR)

ABSTRACT: The present paper contains an explicit representation of the results announced by the author in [Ref 6,7]. Chapter I : A zero-dimensional, open mapping increasing the dimension is representable as 1.) superposition of an irreducible mapping and of a mapping not increasing the dimension 2.) sum of finitely many twofold mappings and of mappings by which the dimension is not increased (if the dimension of the original is finite). Chapter II : Example of a zero-dimensional open mapping of a one-dimensional continuum onto a square (see A.N. Kolmogorov [Ref 1] and Ya.M. Kazhdan [Ref 2]).

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Zero-Dimensional Open Mappings

SOV/38-23-2-2/10

There are 10 references, 6 of which are Soviet, 3 American, and 1 German.

PRESENTED: by L.S. Pontryagin, Academician

SUBMITTED: May 28, 1958

Card 2/2

KELDYSH, L.V.

Some problems in the topology in Euclidean spaces. Usp. mat. nauk 16 no.1:3-18 Ja-F '61. (MIRA 14:6)
(Topology)

KELDYSH, Lyudmila

Imbedding of some monotonic E^3 images into E^4. Dokl.AN SSSR 136 no.1: 18-21 Ja '61. (MIRA 14:5)

1. Matematicheskiy institut im. V.A.Steklova Akademii nauk SSSR. Predstavleno akademikom P.S.Aleksandrovym.
(Conformal mapping)

KELDYSH, Lyudmila (Moskva)

Embedding of some monotone images of E^n into E^n and E^{n-1}. Mat.sbor. 57 no.1:95-104 My '62. (MIRA 16:5)
(Aggregates)

EWT(1)/T/EWA(h) Pz-6/Pab [illegible] IJP

ACCESSION NR: AP5016563

UR/0056/65/048/006/1692/1707

AUTHOR: Keldysh, L. V.

TITLE: Theory of impact ionization in semiconductors 21

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 48, no. 6, 1965, 1692-1707

37
36
13

TOPIC TAGS: semiconductor, impact ionization, valence semiconductor, electron energy distribution, phonon scattering, optical phonon, acoustic phonon, fuel dependence

ABSTRACT: The purpose of the investigation was to solve the problem of impact ionization in semiconductors in analytic form, for arbitrary values of the field and of the temperature. This is in contrast with earlier results (for example, G. A. Baraff, Phys. Rev. 128, 2507, 1962), which were obtained by numerical integration of the kinetic equation for several chosen values of the parameters and furthermore pertained to temperatures that were rather close to zero. The author obtains the energy distribution of the electrons in a valence semiconductor in the presence of a strong electric field and shows that the number of ionizing electrons increases with increasing field E first like $\exp(-\text{const}.E^{-1})$, and in extremely strong fields like $\exp(-\text{const}.E^{-2})$. These results are obtained from the usual

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ACCESSION NR: AP5016563 /

kinetic equation under the assumption that there are two phonon branches, acoustic and optical. It is assumed further that the probability of scattering by an optical phonon is independent of the scattering angle. While this assumption is qualitatively correct, in the case of quantitative estimates, especially in semiconductors with a noticeable fraction of ionic coupling, this assumption may lead to incorrect results. Orig. art. has: 15 formulas.

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR (Physics Institute, Academy of Sciences, SSSR)

SUBMITTED: 09Jan65 ENCL: SUB CODE: EC, NP

NO REF SOV: 002 OTHER: 003

Card 2/2 dap

L 64735-65 EWT(l)/EPA(s)-2/EWT(m)/EWP(j) IJP(c) CG/RM
ACCESSION NR: AP5016102 UR/0053/65/086/002/0327/0333
537.312.6

AUTHOR: Keldysh, L.V.

TITLE: Superconductivity in nonmetallic systems

SOURCE: Uspekhi fizicheskikh nauk, v. 86, no. 2, 1965, 327-333

TOPIC TAGS: superconductivity, nonmetal element, nonmetallic organic derivative

ABSTRACT: The author presents a brief review of the status of research in superconductivity, with special emphasis on practical applications and the difficulties brought about by the very low temperature required and by the destruction of superconductivity in relatively weak magnetic fields. He then reviews the main ideas advanced by W. A. Little (Superconductivity at Room Temperature, Scientific American 212 (2), 21, 1965), where the possibility of synthesizing of organic materials capable of conducting electricity

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without resistance is discussed. The objections to Little's hypothesis both from the point of view of the principles involved and from the point of view of the deductions, are reviewed, particularly the objection that Little's result contradicts the known theorem that a phase transition into an ordered state is impossible in a one-dimensional system such as the hypothetical superconducting molecule proposed by Little. In view of this major objection, the author mentions the proposal made by Ginzburg and Kirzhnits (ZhETF v. 46, 397, 1964) for effecting surface superconductivity. Superconductivity in semiconductors, especially in $SrTiO_3$, which was theoretically first considered by Gurevich, Larkin, and Firsov (FTT 4, 1895, 1962), and which is free of the main obstacle to superconductivity (Coulomb repulsion of electrons), is also discussed in detail. It is stated in the conclusion that the possibility of obtaining a superconductor with sufficiently high critical temperature (at least on the order of 100K) is still the major obstacle to be overcome in this research, but there are hopes of obtaining superconductors which differ greatly

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ACCESSION NR: AP5016102

from ordinary metals. Orig. art. has: 2 formulas.

ASSOCIATION: None

SUBMITTED: 00 ENCL: 00 SUB CODE: EM

NR REF SOV: 012 OTHER: 010

Card 3/3

KELDYSH, L. V.

56-34-4-28/60

AUTHOR: Keldysh, L. V.

TITLE: On the Influence Exercised by the Vibrations of a Crystal Lattice on the Formation of Electron-Hole-Pairs in a Strong Electric Field (O vliyanii kolebaniy reshetki kristalla na rozhdeniye elektronno-dyrochnykh par v sil'nom elektricheskom pole)

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1958, Vol. 34, Nr 4, pp. 962- 968 (USSR)

ABSTRACT: The present work calculates the probability of the formation of an electron-hole-pair in a strong electric field taking into account the interaction of electrons with phonons. The direct penetration of a valence electron into the conductive zone and transition under participation of a phonon are in first approximation independent of each other and can be investigated separately. First, the initial conditions as well as an expression for the probability of penetration during one period of oscillation are written down. The presence of rapidly oscillating factors under the integral sign of a formula given here leads to a very rapid decrease of

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On the Influence Exercised by the Vibrations of a Crystal Lattice on the Formation of Electron-Hole-Pairs in a Strong Electric Field

the probability of penetration with increasing maximum value. The author then derives a formula for the number of electrons entering the conductive zone within one unit of volume and one unit of time. The formula derived applies to lattices of any symmetry, as well as to any directions of the field. With rising temperature an exponential increase of amperage begins, which is maintained up to values of $T \sim T_D$ (T_D denoting the Debye' temperature). At $T > T_D$ the number n of pairs formed may depend weakly and linearly on temperature. At low temperatures n practically does not depend on the temperature. The dependence of the critical field strength on temperature is the most interesting from a practical point of view. By critical field strength the author refers to that field strength at which amperage reaches a certain pregiven value. In the case of a compound lattice there are always various types of phonons with the same wave vector but different frequencies (acoustic and optical frequencies). The temperature dependence of the passage coefficient must then apparently have the shape of a "steplike" curve. The range within which this dependence is of importance can