KADERA, Zdenek, inz.

Improvement of the quality of chemical products according to the needs of national economy. Normalizace 11 no.10: 320-322 O '63.

1. Ministerstvo chemickeho prumyslu, Praha.

KADERA, Zdenek, inz.; RETICKY, Josef, inz.

Education of employees of the Ministry of Chemical Industry in technical standardization. Normalizace 11 no.11:357-358 N'63.

1. Ministerstvo chemickoho prumyslu (for Kadera). 2. Ustav pro normalizaci a mereni (for Reticky)

KADERA, Zdenek, ins.

Important anniversaries. Normalizace 12 no.9:257 S '64.

1. Ministry of Chemical Industry, Prague.

KADERA, Zdenek

Establishment of the Permanent Standardization Commission affiliated with the Council for Mutual Economic Assistance. Chem prum 13 no.9:476 S '63.

Sectional Standard [illegible] 01-0251: Determining the Accuracy and Conformity in Technical Standards on Quality and Testing of Chemical Products. 476

1. Ministerstvo chemickeho prumyslu.

KADERA, Zdenek

For better use of technical standardization in the chemical industry in the years 1964-1965. Chem prum 13 no. 12: 645 D '63.

1. Ministerstvo chemickeho prumyslu.

KADERA, Zdenek

New legal instructions on technical standardization. Chem prum 15 no.2:112-113 F '65.

1. Ministry of Chemical Industry, Prague.

KADERABEK, F.

"Technology of earthenware production with special reference to new production methods." Stavivo, Praha, Vol 32, No 6, June 1954, p. 211

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

KADERABEK, F.

Article concerning experience with production of cement pipes with large diameters; a review. p. 246.
STAVIVO, Praha, Vol. 33, no. 7, July 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

KOSEK, Miroslav, MUDr.; KADERABEK, Frant., MUDr.; TESARIK, Jiri; KOSKOVA, Dagmar

Inhibitory factor in blood serum in carcinomatous subjects; variations in hemolysis by saponin in normal and carcinomatous subjects. Cas. lek. cesk. 95 no.30:810-816 20 July 56.

1. Interni oddeleni OUNZ - nemocnice v Pribrami, prednosta MUDr. Frantisek Kaderabek.

(HEMOLYSIS,
by saponin in normal & carcinomatous subjects (Cz))
(SAPONINS, effects,
hemolysis in normal & carcinomatous subjects (Cz))
(NEOPLASMS, blood in,
hemolysis by saponins, comparison with normal blood (Cz))

KADERABEK, Stanislav

Pocetnice pro druhy rocnik. Pokusna ucebnice. 1. cast. (Textbook of Mathematics for the Second Grade; an Experimental Textbook. Vol. 1.) Authors: Stanislav Kaderabek, Julia Zilinkova. Prague, SPN, 1957. 71 p.

Bibliograficky katalog, CSR, Ceske Knihy, No. 36. 15 Oct 57. p. 779.

KADERABEK, V.

1 Kafedra tekhnologii spetsial'nykh proizvodstv, Khimiko-tekhnologicheskiy inst., Pardubice.

Distr: 4E3d

Nitramines. I. Stability of solutions produced by nitrolysis of hexamethylenetetramine by nitric acid. V. Kadeřábek and J. Deutstein (Vysoká škola chemická, Pardubice). *Collection Czechoslov. Chem. Communs.* 25, 1070–7(1960)(in Russian).—The stability of solns. formed by nitrolysis of $(CH_2)_6N_4$ by HNO_3 is expressed as the time in which the cleavage products of the nitrolysis destroy HNO_2 (which acts as a pos. catalyst for the oxidn. of CH_2O by HNO_3). It depends on the initial concn. of HNO_3, HNO_2, on the ratio $(CH_2)_6N_4$-HNO_3, and on temp.

M. Hudlický

CAV. 1/1

CAO

4 BW(SW) (BW)
2 BW(SW)
1 gag (WB)

DENKSTEIN, J.; KADERABEK, V.

Syntheses in the field of nitramines. I.N-acetoxymethylnitramines. Coll Cz Chem 25 no.9:2334-2340 S'60. (EEAI 10:9)

1. Institut de techlologie pour des fabrications non-courantes, Ecole Superieure de Chimico-technologie, Pardubice.

(Amines) (Acetoly group) (Methyl group)

CZECHOSLOVAKIA

DENKSTEIN, J; KADERABEK, V

Institute for the Technology of Explosive Substances, Technical Institute of Chemistry (Institut fur die Technologie der Explosivstoffe, Technische Hochschule fur Chemie), Pardubice - (for both)

Prague, Collection of Czechoslovak Chemical Communications, No 7, July 1966, pp 2906-2914

"Synthesis in the area of nitramines. Part 4: Condensation of methylene bisnitramine."

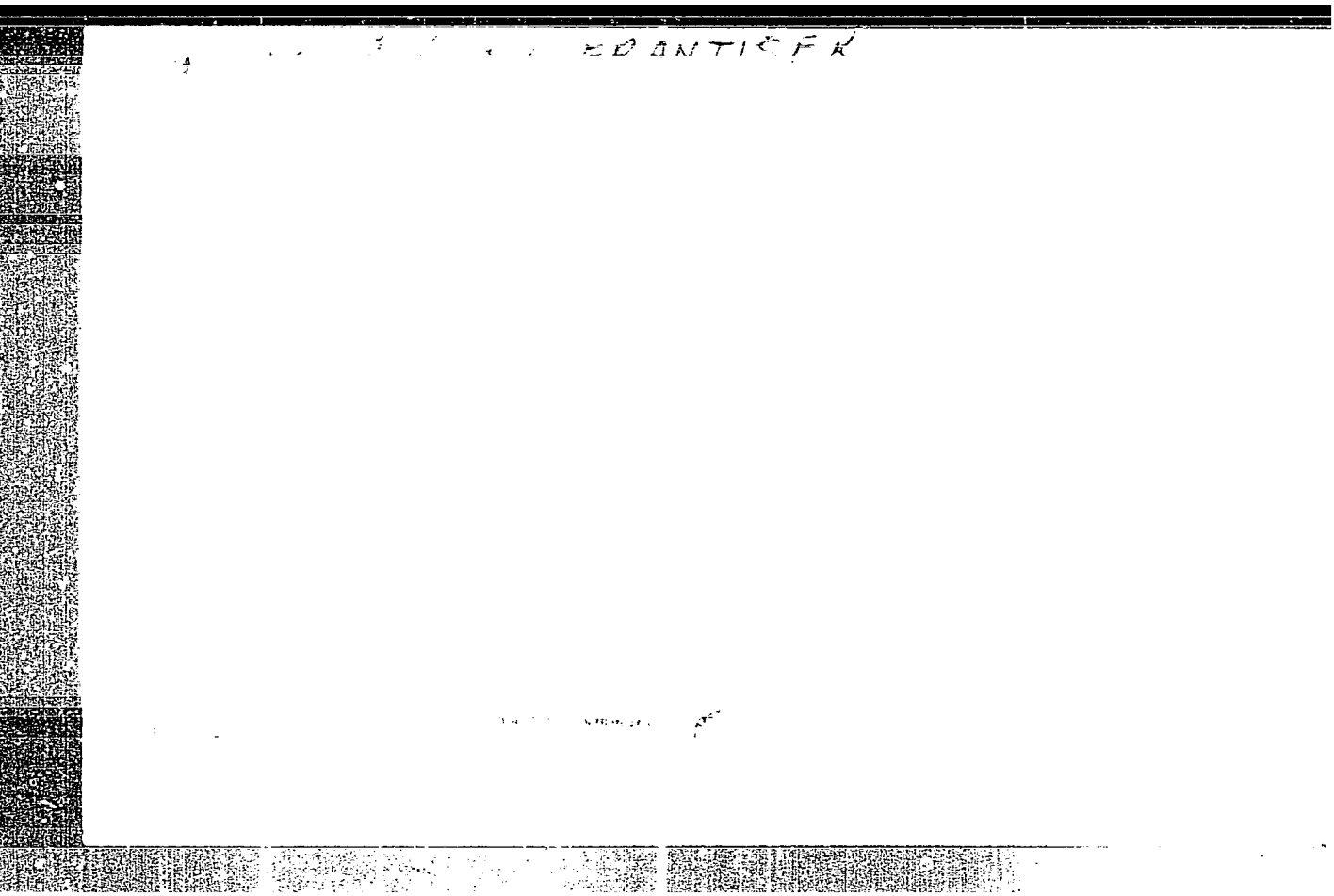
CZECHOSLOVAKIA

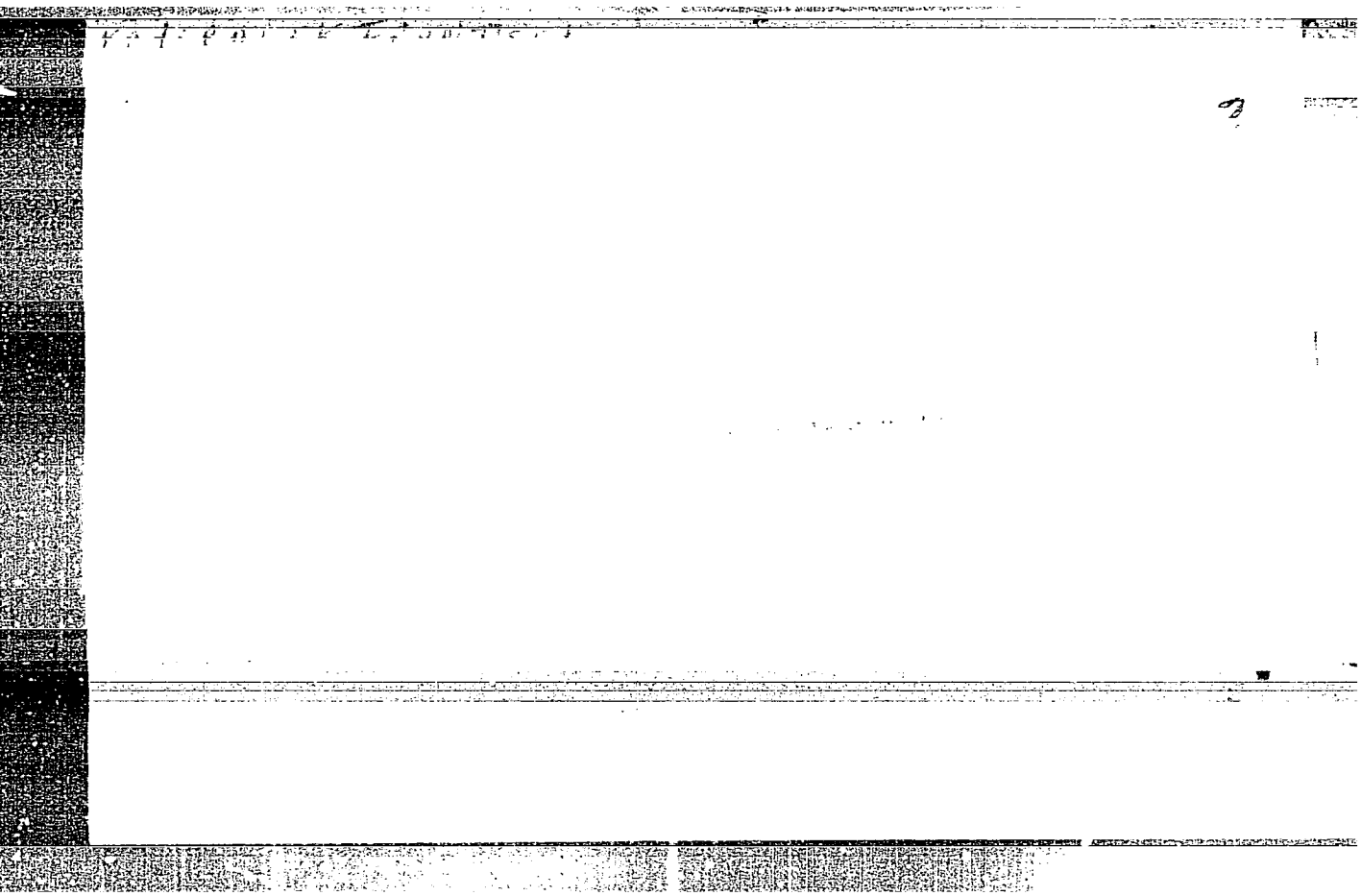
KADERABEK, V; DENKSTEIN, J

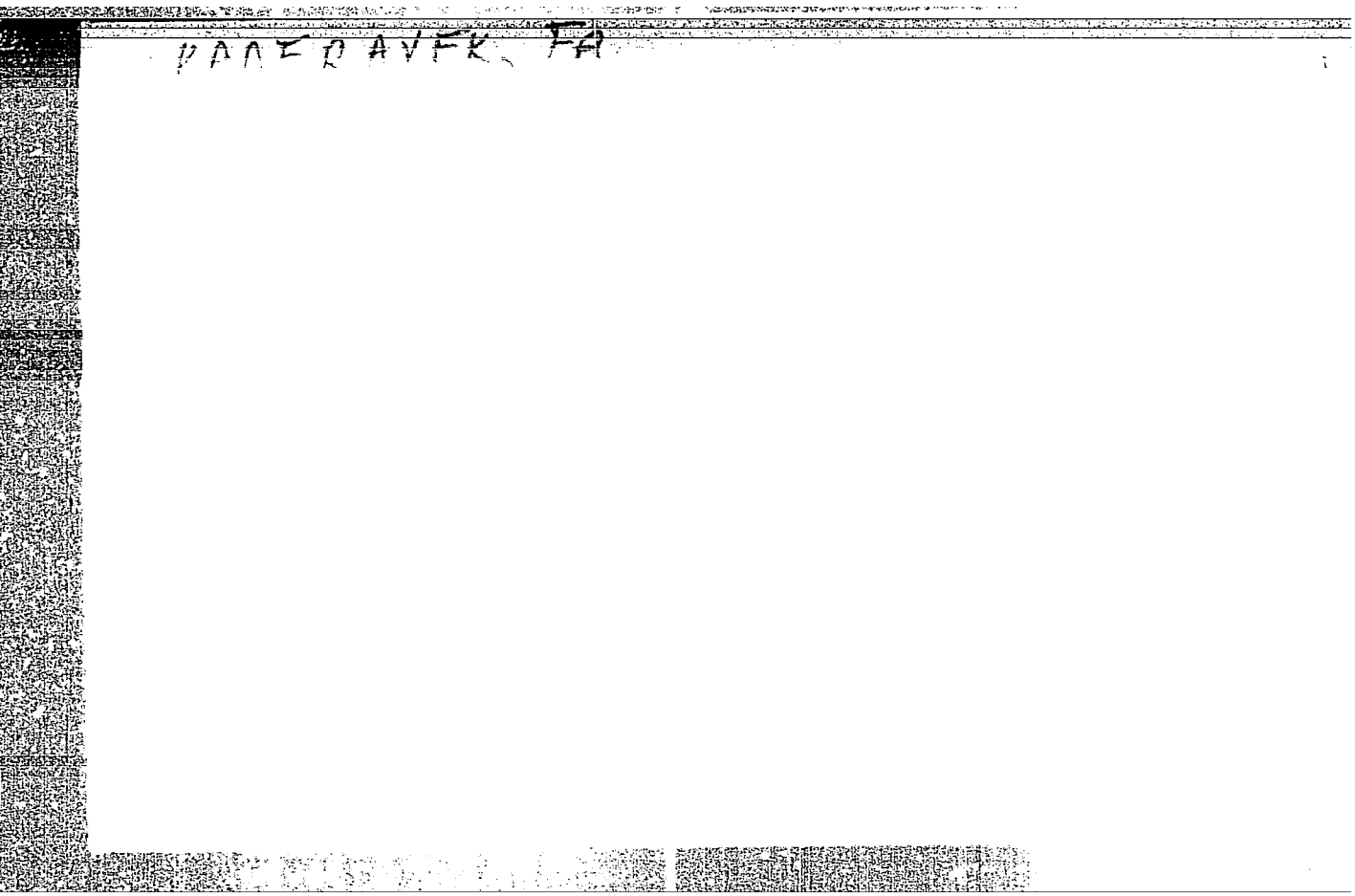
Institute for the Technology of Explosive Substances, Technical Institute of Chemistry (Institut fur die Technologie der Explosivstoffe, Technische Hochschule fur Chemie), Pardubice - (for both)

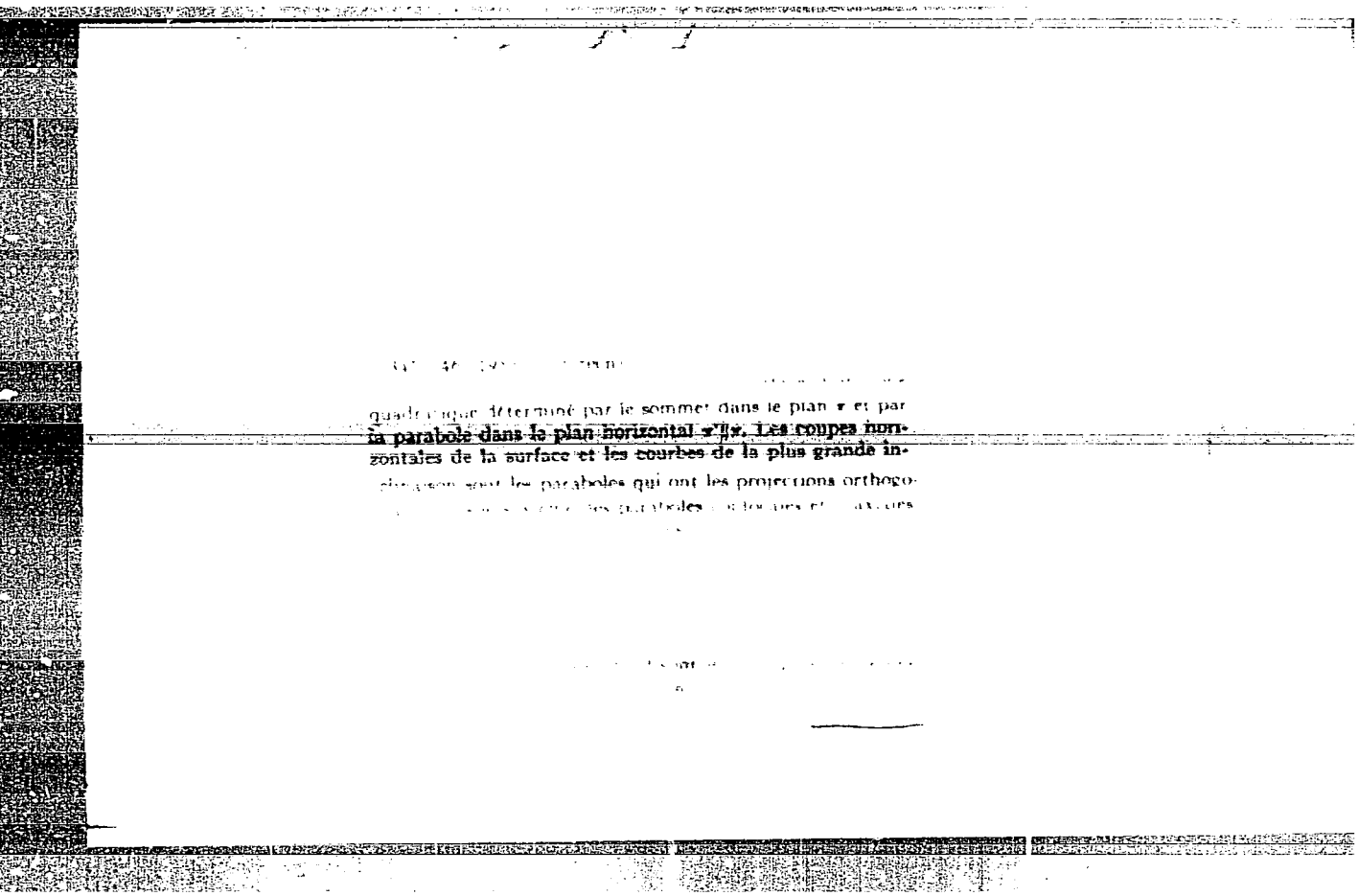
Prague, Collection of Czechoslovak Chemical Communications, No 7, July 1966, pp 2915-2927

"Synthesis in the area of nitramine. Part 5: Production of nitrazadic acid by means of nitration of aminonitriles."









quadrique déterminé par le sommet dans le plan π et par la parabole dans le plan horizontal $\pi'//\pi$. Les coupes horizontales de la surface et les courbes de la plus grande in-

pour les paraboles qui ont les projections orthogo-

KADERAVEK, FRANTISEK

"Deskriptivni geometrie. Praha, Nakl. Ceskoslovenske akademie ved. [De-scriptive geometry. illus.]."

p.421 (Vol.1. [3d ed.] 1954, Praha, Czechoslavakia)
p.422-985 (Vol.2. [1st ed.] 1954, Praha, Czechoslavakia)

Monthly Index of East European Accession (EEAI) LC, Vol, 7, No. 8, August 1958

KADERAVEK, F.

Contribution to the liquefaction of gases. p.326

CHEMICKY PRUMYSL. (Ministerstvo chemickeho prumyslu) Praha

Vol. 5, no. 8, Aug. 1955

East European Accessions List Vol. 5 No. 1 Jan. 1956

V F

CZECHOSLOVAKIA/General Problems of Pathology. Tumors U-4

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 66031

Author : Kosek M., Kaderabek F., Tesarik J., Koskova D.
Inst : -
Title : On the Inhibitory Factor in Serum of Patients with Cancer. Differences in Saponin Hemolysis Between Normals and Patients with Malignant Tumors.

Orig Pub : Casop. lekaru ceskych, 1956, 95, No 30, 810-816

Abstract : Serum from patients with malignant tumors suppressed the hemolysis induced by adding saponin to the blood in 86.65 percent of cases. The serum of healthy people suppressed hemolysis only in 15 percent of cases. This test may be used in the diagnosis of cancer. -- V.M. Shapiro.

Card : 1/1

Kadeavek, F.

2

Condensation of vapors in the presence of noncondensable gases. Fr. Kadeřávek. *Strojírenství* 7, 99–105(1957).—A calcn. method is presented for a surface condenser and a jet condenser connected in series. Vol. changes, absorption of gases in the condensate, heat, and material balances are given. B. M. Fabuss

YMM 1/1

KADERAVEK, FRANTISEK

TECHNOLOGY

KADERAVEK, FRANTISEK * Plochy stavebne-inzenyrske praxe. 2., prepracovane a rozsirene vyd. Pripravili Vaclav Havel a Frantisek Harant. Praja, Nakl. Ceskoslovenske akademie ved, 1958. 131 p. (Ceskoslovenska akademie ved. Sekce matematickofysikalni. Veda mani zivot, sv.9)

Monthly List of East European Accessions (EEAI) LC VOL. 8, No. 2
May 1959, Unclass

KADERAVEK, F.

"Chemical production technology" by W.Wittenberg. Reviewed by F.Kaderavek. Chem listy 57 no.10:1084 O '63.

KADERAVEK, F.

Thermoregulatory changes during application of infrared radiation. Fysiat. vestn. 43 no.5:301-309 S '65.

1. Vyzkumny ustav pro fyziatrii, balneologii a klimatologii v Praze (reditel prof. dr. K. Prerovsky).

KADERAVEK, Josef

Automobile Works National Enterprise, a school of new technology in mechanical engineering. Automobil Cz 8 no.5:2-3 My '64.

1. Manager of the Automobilove zavody National Enterprise.

KRIZ, Mojmir; KADERAVEK, Jiri

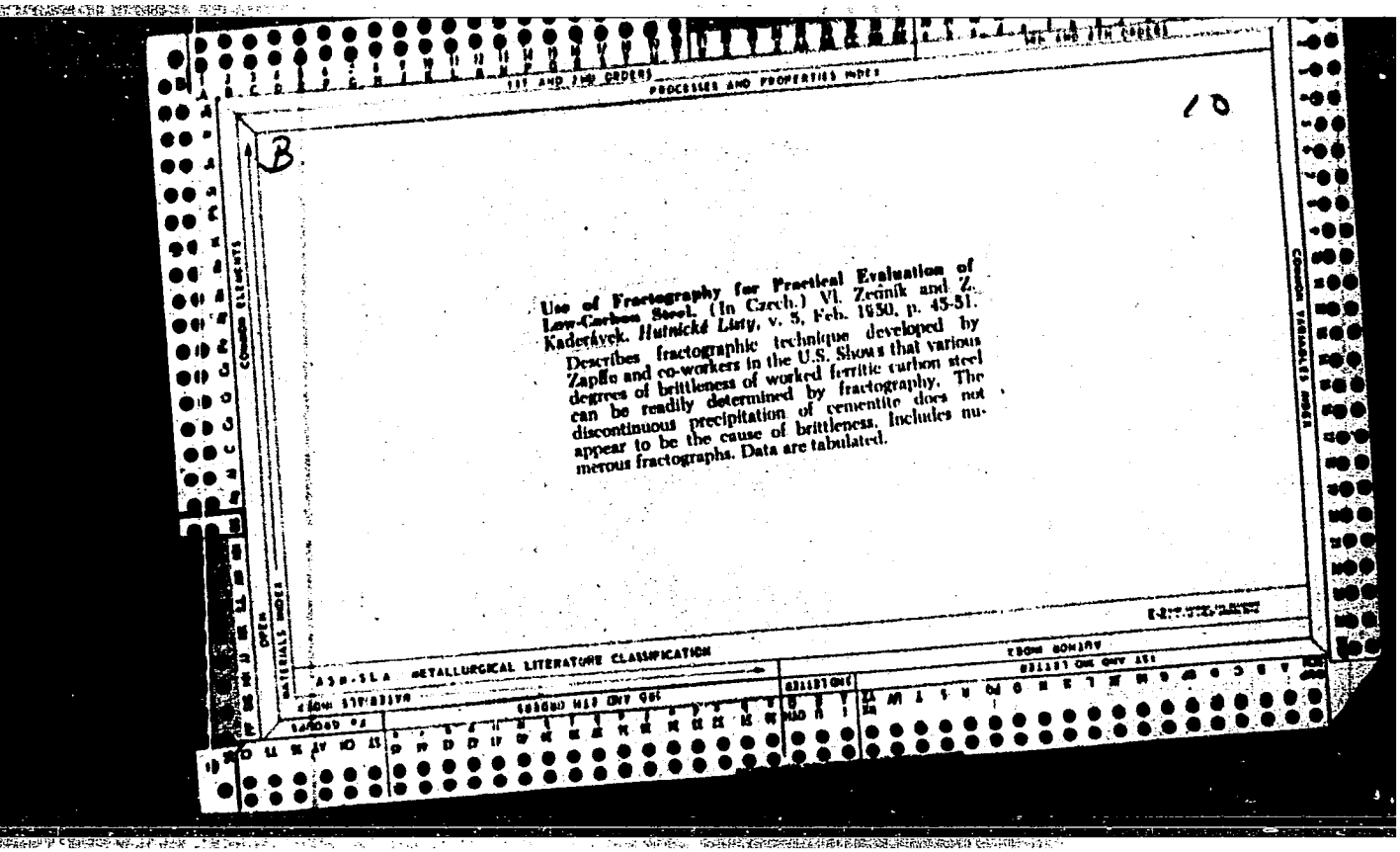
New information on packing glass coloring. Silikaty 7 no.3: 215-230 '63.

1. Vyzkumne pracoviste narodniho podniku Obalove a lisovane sklo, Dubi u Teplic.

KADERAVEK, Vladimir, ins.

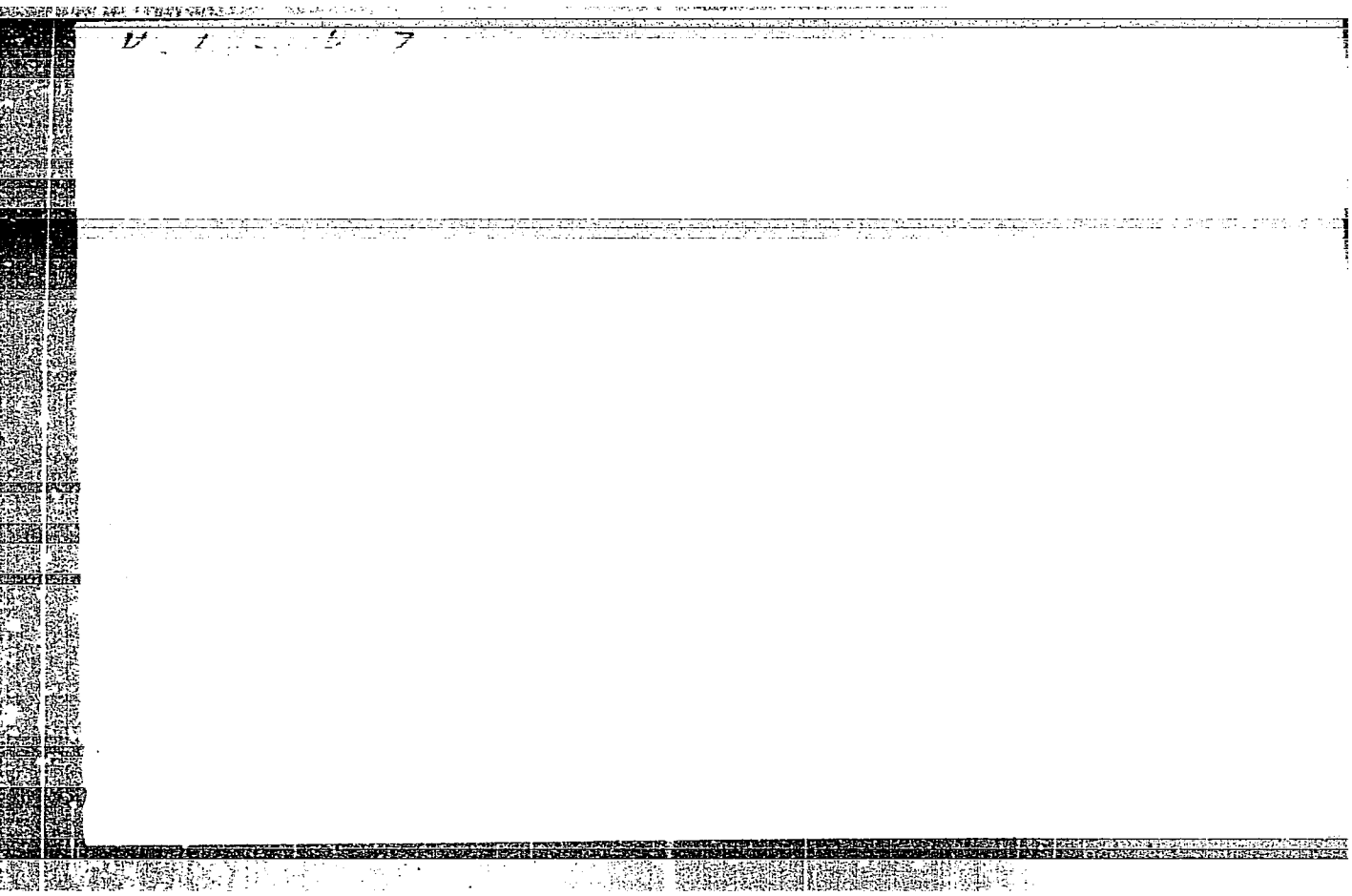
For further development of mining machinery. Uhli 5 no.3:73-74 Mr '63.

1. Ministerstvo paliv.



Use of Fractography for Practical Evaluation of Low-Carbon Steel. (In Czech.) Vl. Zeunik and Z. Kaderávek. *Hutnické Listy*, v. 5, Feb. 1950, p. 43-51.

Describes fractographic technique developed by Zapffe and co-workers in the U.S. Shows that various degrees of brittleness of worked ferritic carbon steel can be readily determined by fractography. The discontinuous precipitation of cementite does not appear to be the cause of brittleness. Includes numerous fractographs. Data are tabulated.



KAUENAVER, --

Subject: ANNALS ON WELDING ISSUED BY THE SLOVAK ACADEMY OF SCIENCES. Vol 2, No. 1/2, 1953

Title: Repair of Machine Parts and Tools With BH-450 Electrodes by the Use of Wear-Resistant Coatings.

Author: Klaunder, A.

p. 3

Title: Graphic Fracture Study of Commercial Types of Ferrosilicon.

Author: Kaderavek, Z.

p. 115

EEAL, Vol 4, No. 4, April 1955

KADERAVEK, Z.

"Mechanism of fracture in cast iron." p. 171 (Hutmicke Listy Vol. 8, no. 4, Apr. 1953 Brno.)

SO: Monthly List of East European Accessions, Vol.3, No.2, Library of Congress, Feb. 1954, Unc

KADERAVEK, Z

Heat resistance of steels coated with aluminium and aluminium-rich alloys. Z. Kudeřávek (*Hutnické Listy*, 1953, 8, 185—191).—Al coatings were applied to steels by three methods and the heat resistance of the layers was studied. Al sprayed on to steel easily diffuses into it at temp. in the 900—1000° range, the rate of diffusion not varying greatly with the steel composition. Sprayed-on layers result in thin coatings which practically disappear into the steel by diffusion on prolonged heating (21 hr.) at 1100°. The heat resistance of Cr steels is not appreciably increased by spraying with Al.

J. Iron Steel Inst. (R.D.C.).

Met

KADERAVEK, Z.

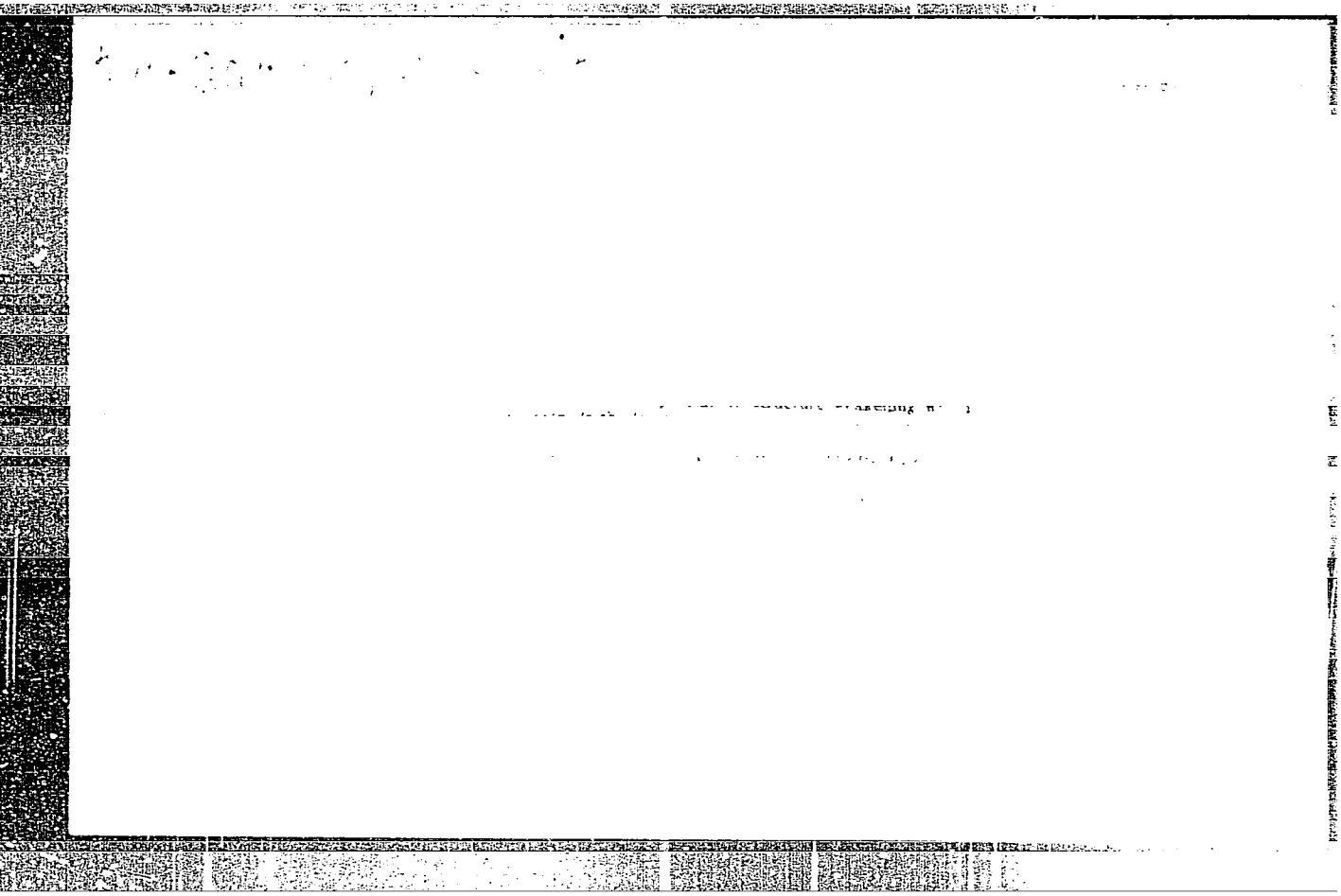
"Examples of Intergramular Steel Fractures." p. 578,
(HUTNIKE LISTY, Vol. 9, No. 10, Oct. 1954, Brno, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4
No. 5, May 1955, Uncl.

KADERAVEK, Zdenek

14868* Explanation of the Fracture of Metallic Materials by the Use of New Microscopic Testing Methods. Erkenntnisse über den Bruchvorgang an metallischen Werkstoffen durch Anwendung neuer mikroskopischer Untersuchungsmethoden. (German.) Zdenek Kadeřávek. *Metallurgie*, v. 5, no. 7, July 1955, p. 218-226.
Fractographic studies. Micrographs, graphs. 15 ref.

CH



APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000519830002-3"

Methods of Decreasing the Frequency of Occurrence and the Detrimental Effects of Inclusions / Z. Kudelawak. (Hutnik Listy, 1957, 12, (1), 9–20). [In Czech]. In killed steels deoxidation by means of complex alloys results in the formation of liquid oxidation products, and this minimizes the concentration of inclusions. In rimming steels the amount

KADERAVEK, Zdenek, inz., dr.; VOJTA, Radim, inz.

Calculation of ore for a steel furnace charge. Hut listy 16 no.11:775-782 N '61.

1. Vitkovicke zelezarny Klementa Gottwalda, Ostrava (for Kaderavek). 2. Vyzkumny ustav hutnictvi zeleza, Praha (for Vojta).

KADLECKA, M.; VELICKA, I.

The influence of annealing in different atmospheres on the absorption and dielectric losses of pure NaCl crystals. Chekhosl fiz zhurnal 14 no.8:608-614 '64

1. Institute of Solid State Physics, Czechoslovak Academy of Sciences, Prague 6, Cukrovarnicka 10.

BOHUN, A; DOLEJSI, J.; KADERKA, M.; KANTUREK, J.; KUNZLOVA, I.; LEBL, M.; TRNKA, J.

Photoluminescence and related phenomena of NaCl crystals containing Cd and Co. Acta phys Hung 14 no.2 3:246-253 '62.

1. Institut fur Technische Physik der Tschechoslovakischen Akademie der Wissenschaften, Prag, CSSR. Vorgelegt von G. Szigeti [Gyorgy Szigeti]

ACCESSION NR: AP3003619 Z/0055/63/013/005/0378/0385

AUTHOR: Kaderka, M.

TITLE: Influence of calcium carbonate and hydroxyl anions on dielectric losses of sodium chloride crystals

SOURCE: Chekhoslovatskiy fizicheskiy zhurnal, v. 13, no. 5, 1963, 378-385

TOPIC TAGS: alkali halide crystals, sodium chloride, dielectric loss, sodium chloride dielectric loss

ABSTRACT: The dielectric losses of NaCl crystals prepared in air by drawing from a melt with a varying concentration of Na_2CO_3 or NaOH admixture were investigated. Comparison of the curves for dielectric losses of the crystals studied shows the temperature variation of tan δ (δ is the loss angle) and the positions of the relaxation maxima corresponsing to the specimen with CO_3^{2-} or OH^- admixtures to be almost identical. It is pointed out that, in general, it cannot be assumed that the substance put into the melt appears in the resultant

Card 1/2

ACCESSION NR: AP3003619

crystal. From the measurements conducted and the experimental results of other authors it is concluded that the admixture is probably the same in both groups of crystals. The possible explanation suggested by several other authors is that during the drawing of the crystal a considerable part of the hydroxide transforms into the carbonate owing to CO_2 present in the air. It is concluded that both anion impurities have a similar influence on the dielectric losses and that the CO_3^{2-} group probably plays a part in the formation of the relaxation maxima in both groups of crystals. Orig. art. has: 6 figures and 2 tables.

ASSOCIATION: Ust fyziky pevnich latek CASV, Prague (Institute of Solid State Physics, CSAV)

SUBMITTED: 17Jul62 DATE ACQ: 12Jun63 ENCL: 00

SUB CODE: PH NO REF SOV: 001 OTHER: 007

Card 2/2

TRNKA, J.; KADERKA, M.; BOHUN, A.

Electric and optical behavior of NaCl crystals doped with calcium. Pt. 1. Chekhosl fiz zhurnal 14 no.1:63-71 '64.

1. Institute of Solid State Physics, Czechoslovak Academy of Sciences, Praha 6, Cukrovarnicka 10.

KADFRKA, M.

Dielectric losses of hydrolyzed and unhydrolyzed NaCl crystals. Chekhosl fiz zhurnal 14 no.2:116-120 '64.

1. Institute of Solid State Physics, Czechoslovak Academy of Sciences, Praha 6, Cukrovarnicka 10.

ACCESSION NR: AP4044595 Z/0055/64/014/008/0608/0614

AUTHOR: Kaderka, M.; Velicka, I.

TITLE: The influence of annealing in different atmospheres on the absorption and dielectric losses of pure NaCl crystals

SOURCE: Chekhoslovatskiy fizicheskiy zhurnal, v. 14, no. 8, 1964, 608-614

TOPIC TAGS: crystal annealing, sodium chloride single crystal, crystal dielectric loss, dielectric loss measurement, crystal energy absorption

ABSTRACT: The influence of annealing in atmospheres of HCl, CO_2 nitrogen, and air on the absorption and dielectric losses of NaCl crystals was studied. The reasons for the decrease or disappearance of the absorption band near 1900 Å in unannealed hydrolized crystals were also determined. The NaCl crystals were prepared from the initial purified material by pulling from the melt in air. Platelets approximately 10 x 10 x 0.5 mm in size were obtained by cleaving from the prepared single crystals. Absorption was measured with a CF-4 spec-

Card 1/3

ACCESSION NR: AP4044595

trophotometer. Dielectric loss angle was measured at a frequency of 10^3 cps, in the 20—400C range. One relaxation maximum (at about 280C) was found for "pure" NaCl crystals. The following conclusions were reached: 1) Annealing in an HCl atmosphere causes the disappearance of "free" OH^- ions, as well as the destruction of forms with an activation energy near 0.97 ev and the simultaneous formation of forms with a lower activation energy near 0.83 ev. The latter forms are revealed by measurement of the dielectric losses. 2) Annealing of NaCl crystals in CO_2 or in air leads to a decrease in the concentration of "free" OH^- ions. However, the dielectric losses remain unchanged. It can thus be deduced that "free" OH^- ions do not participate in the forms which cause the formation of relaxation maxima. 3) The fact that annealing in a nitrogen atmosphere does not change either the absorption or the dielectric losses confirms the assumption that a reaction between atmospheric CO_2 and the "free" OH^- groups contained in the crystal takes place. Orig. art. has: 3 figures.

ASSOCIATION: Institute of Solid State Physics, Czech. Acad. Sci., Prague

Card 2/3

ACCESSION NR: AP4044595

SUBMITTED: 07Jan64 ENCL: 00

SUB CODE: SS NO REF SOV: 000 OTHER: 011

Card 3/3

RASPEROVA, Jaroslava; KADERKOVA, Anna.

Quick method of determining the humidity content of dry baked products. Listy cukrovar 79 no.11:290-294 N'63.

1. Prumysl trvanliveho peciva, n.p., Praha, vyzkumne pracoviste.

ENGELBERTH, O.; JEZKOVA,Z.; BLEHA,O.; MALEK,J.; BENDL.J. Technicka spoluprace: MORAVCOVA,S.; KADEROVA,M.

Autoantibodies in Sheehan's syndrome. Cas. lek. cesk. 104 no.4: 108 29 Ja '65

1. III. interni klinika fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta akademik J. Charvat); Ustav hematologie a krevni transfuze (reditel prof. dr. J. Horejsi, DrSc.); I. porodnicka klinika fakulty vseobecneho lekarstvi Karlovy Univ rsity v Praze (prednosta prof. dr. J. Klaus, DrSc.) a II porodnicka klinika fakulty vseobecneho lekarstvi Karlovy Uni-.rsity v Praze (prednosta prof. dr. J. Lukas, DrSc.)

ENGELBERTH, O.; JEZKOVA, Z.; BLEHA, O.; MALEK, J.; BENDL, J.; Technicka spoluprace: MORAVCOVA, S.; KADEROVA, M.

Autoantibodies in Sheehan's syndrome. Vnitrni lek. 11 no.8:737-741 Ag '65.

1. III. vnitrni klinika (prednosta akademik J. Charvat), Ustav hematologie a krevni transfuze (reditel prof. MUDr. J. Horejsi, DrSc.), I. porodnicka klinika (prednosta prof. MUDr. J. Klaus, Dr.Sc), II. porodnicka klinika (prednosta prof. MUDr. J. Lukas, Dr.Sc).

KADESNIKOV, B.

Teaching of the progressive methods of work. Prof.-tekh. obr. 22 no.3: 28-29 Mr '65. (MIRA 18:7)

1. Nachal'nik uchebnogo tsekha Novovyatskogo domostroitel'nogo kombinata, Kirovskaya oblast'.

BAVTRUKEVICH, A.A.; KADESNIKOV, G.I.

Automatic breakdown of coal in storage piles by means of a pneumatic device. Koks i khim. no.2:58-61 '60. (MIRA 13:5)

1. Moskovskiy koksogazovyy zavod.
(Coke industry--Equipment and supplies)

KADETOVA, Muza Petrovna; OSADA, P.A., red.; OLOBYAGIN, R.B., spets. red.; MOZGALEVSKAYA, S.A., mladshiy red.; GERASIMOVA, Ye.S., tekhn. red.

[Planning the development of the material and technological basis of construction] Planirovanie razvitiia material'no-tekhnicheskoi bazy stroitel'stva. Moskva, Izd-vo ekon. lit-ry, 1962. 110 p. (Construction industry) (MIRA 15:3)

KADETS, M. I.

USSR/Mathematics - Topology, Banach Spaces 21 Sep 53

"Homeomorphism of Certain Banach Spaces," M. I. Kadets

DAN SSSR, Vol 92, No 3, pp 465-468

Employs a generalization of a theorem of S.N. Bernshteyn (Comptes Rendus, 206, 1520 (1938)) to establish the topological correspondence between certain Banach spaces and, in particular, between the space of convergent numerical sequences c and the space l. Establishes two theorems, one which states that spaces that satisfy Bernshteyn's conditions are homeomorphic and the other which states that spaces c and l are topologically equivalent. Presented by Acad S.N. Bernshteyn 17 Jul 53.

268T76

268T76

KADETS, M.I.

Mathematical Reviews
Vol. 14 No. 9
October 1953
Analysis

8-9-54
LL

Kadec, M. I. On a property of broken lines in n-dimensional space. Uspehi Matem. Nauk (N.S.) 8, no. 1(53), 139–143 (1953). (Russian)

This note gives a new proof of Sklyarskii's generalization [Uspehi Matem. Nauk 10, 51–59 (1944); these Rev. 7, 12] of Riemann's theorem on conditionally convergent series: The set of sums of rearrangements of a conditionally convergent series of vectors in n-space is a flat subspace of the space. This proof depends on the following result: For each integer n there is a number K_n such that for each set of N vectors r_j in Euclidean n-space, all of length ≤ 1 and such that $\sum_{j\leq N} r_j = 0$, the indices can be permuted so that for $1 \leq k \leq N$ the vectors $\sum_{j\leq k} r_j$ are all of length not greater than K_n.

M. M. Day (Urbana, Ill.).

math (2)
4

GOYEV, V.N., gornyy inzhener; YAROVOY, I.M., inzhener; KADETS, M.I., inzhener.

Remarks on N.K.Shevchenko's article "On the relationship between gas development and mine pressure." Reviewed by V.N.Goev, I.M.Iarovoi, and M.I.Kadets. Ugol' 29 no.1:43-45 Ja '54. (MLRA 7:1)

1. Makeyevka (for Yrovoy and Kadets).

(Mine gases) (Shevchenko, N.K.)

KADETS, M.I.

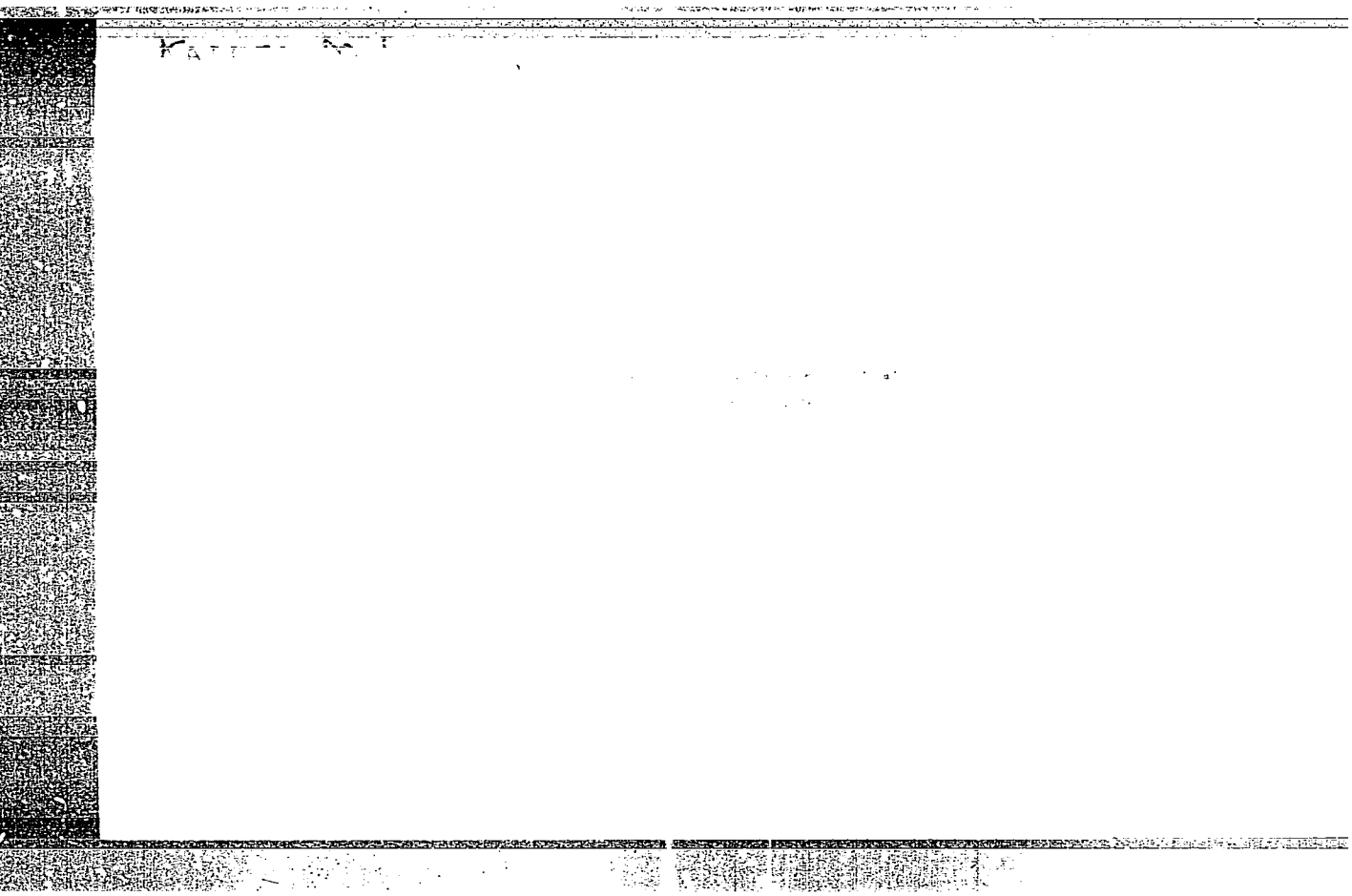
Conditionally convergent series in space L^p. Usp.mat.nauk 9 no.1:107-109 Ja-F '54. (MLRA 7:2)
(Series) (Spaces, Generalized)

KADETS, M. I.

KADETS, M. I. — "Topological Equivalence of Some Spaces of Banakh." *(Dissertations for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions) Min Higher Education Ukrainian SSR, Khar'kov Order of Labor Red Banner State U imeni A. M. Gor'kiy, Khar'kov, 1955.

SO: Knizhnaya Letopis' No. 31, 30 July 1955.

*For the Degree of Candidate in Physicomathematical Sciences.



APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000519830002-3"

KADETS, M.I.

SUBJECT USSR/MATHEMATICS/Theory of functions CARD 1/1 PG - 491
AUTHOR KADEC M.I.
TITLE Permanently convergent series in a uniformly convex space.
PERIODICAL Uspechi mat.Nauk 11, 5, 185-190 (1956)
reviewed 1/1957

Let $\varepsilon = \varepsilon(\delta)$ be the upper bound of the diameters of that set which is obtained by intersection of the unit sphere with the planes which run along in the distance $1-\delta$ from the zero point. The reverse function $\delta = \delta(\varepsilon)$ is the modulus of convexity. The following theorem is proved: If $x_1+x_2+x_3+\ldots$ is a permanently convegent series in a uniformly convex space with the modulus of convexity $\delta = \delta(\varepsilon)$, then

$$\sum_{k=1}^{\infty} \delta(\|x_k\|) < \infty .$$

68015

~~16(1)~~ 16,2600 SOV/155-58-6-16/36

AUTHOR: Kadets, M.I.

TITLE: On the Linear Dimension of the Space L_p $(p<2)$

PERIODICAL: Nauchnyye doklady vysshey shkoly. Fiziko-matematicheskiye nauki, 1958, Nr 6, pp 104-107 (USSR)

ABSTRACT: Let $p \geq 2$. The function $f(x)$ of L_p is said to belong to $M_\delta \subset L_p$, if

(4) $$\text{mes } E\left\{ |f(x)| \geq \delta \|f\| \right\} \geq \delta$$

Let $\dim_1 X$ denote the linear dimension of the space X.

Theorem 1 : If an infinite dimensional subspace of L_p belongs to M_δ , then it is isomorphic to l_2 . If the Banach space X is contained in no M_δ , then it is

$$\dim_1 X \geq \dim_1 l_p$$

Theorem 2 :

If the series $\sum_1^\infty f_k$, $f_k \in L_p$ is absolutely convergent,

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On the Linear Dimension of the Space L_p $(p<2)$ SOV/155-58-6-16/36

and if all the terms of the series belong to an M_δ, then it is

$$(9) \qquad \sum_1^\infty \| f_k \|^2 < \infty$$

There are 3 references, 1 of which is Soviet, 1 Polish, and 1 American.

ASSOCIATION: Khar'kovskiy avtomobil'no-dorozhnyy institut (Khar'kov Automobile Road Institute)

SUBMITTED: March 3, 1958

Card 2/2

AUTHOR: Kadets, M.I. SOV/42-13-6-10/33

TITLE: On the Linear Dimension of the Spaces L_p and l_q (O lineynoy razmernosti prostranstv L_p i l_q)

PERIODICAL: Uspekhi matematicheskikh nauk, 1958, Vol 13, Nr 6, pp 96-98 (USSR)

ABSTRACT: The author constructs a function space E_q $(1<q<2)$ which - considered as a subspace of the L_p $(1\leq p<q)$ - is isomorphic to the space l_q. The construction bases on the distribution of the sums of independent variables. For the constructed space $E_q \subset L_p$ there exists no complementary subspace. There are 3 references, 1 of which is Soviet, 1 American, and 1 Polish.

SUBMITTED: April 16, 1957

Card 1/1

AUTHOR: Kadets, M.I. SOV/20-122-1-2/41

TITLE: On Weak and Strong Convergence (O slaboy i sil'noy skhodimosti)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 122, Nr 1, pp 13-16 (USSR)

ABSTRACT: Theorem 1: In every separable Banach space a new norm equivalent to the old norm can be introduced so that for arbitrary elements x_n and x of

(1) $x_n \xrightarrow{\text{weak}} x$, $\lim_{n\to\infty} \|x_n\| = \|x\|$

there follows

(2) $\lim_{n\to\infty} \|x_n - x\| = 0$.

Theorem 2: Separable reflexive strongly normalized Banach spaces satisfying (1) and (2) are topologically equivalent.
The proof of theorem 1 is given for the space C of functions continuous on $[0,1]$, then the universality of C in the class of separable Banach spaces is used. The proof of theorem 2 is based on approximation methods and the proof of homeomorphy.
There are 5 references, 3 of which are Soviet, 1 American, and 1 Czecho-Slovakian.

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On Weak and Strong Convergence SOV/20-122-1-2/44

ASSOCIATION: Khar'kovskiy avtomobil'no-dorozhnyy institut (Khar'kov Highway Institute)

PRESENTED: May 5, 1958, by S.N.Bernshteyn, Academician

SUBMITTED: April 4, 1958

Card 2/2

BALTAGA, Vsevolod Konstantinovich; KADETS, M.I., kand.fiz.-matem.nauk, otv.red.; TRET'YAKOVA, A.N., red.; TROFIMENKO, A.S., tekhn.red.

[Complex numbers] Kompleksnye chisla. Khar'kov, Izd-vo Khar'kovskogo gos.univ. im. A.M.Gor'kogo, 1959. 103 p.
(Numbers, Complex) (MIRA 13:5)

KADETS, M.I.

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.M. 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.

Section on Probability Theory

Card 12/34

16(1)
AUTHOR: Kadets,M.I.

06307
SOV/140-59-6-8/29

TITLE: On Spaces Isomorphic in the Locally Uniformly Convex Spaces

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1959, Nr 6, pp 51-57 (USSR)

ABSTRACT: According to Lovaglia [Ref 1] a Banach space is called locally uniformly convex if for two arbitrary elements x and x_n of

(1) $\|x\| = \|x_n\| = 1$, $\lim_{n\to\infty} \|x+x_n\| = 2$

there follows

(2) $\lim_{n\to\infty} \|x_n - x\| = 0$.

The author proves that every separable Banach space is isomorphic to a locally uniformly convex space. There are three theorems. There are 4 references, 1 of which is Soviet, and 3 American.

ASSOCIATION: Khar'kovskiy avtomobil'no-dorozhnyy institut (Khar'kov Automobile Highway Institute)

SUBMITTED: June 23, 1958

Card 1/1

16(1) SOV/21-59-9-5/25

AUTHOR: Kadets', M.Y.

TITLE: On the Connection Between Weak and Strong Convergence

PERIODICAL: Dopovidi Akademiyi nauk Ukrayins'koyi RSR, Nr 9, 1959, pp 949-952 (USSR)

ABSTRACT: In this article, the author deals with the problem of connection between the weak and strong convergence, adducing first of all the known fact that the weak convergence sequence of the Banakh space elements does not obligatorily converge according to the norm. The exception in this case is the space l and some generalizations of it, where the weak convergence is equivalent with the convergence according to the norm. Let Γ, the author goes on, be a linear total set of linear functionals defined in a separable Banakh space E and satisfying the following condition: there exists such a number $\eta > 0$ that for every $x \in E$ an $f \in \Gamma$ can be found satisfying the inequality

$$|f(x)| \geq \eta \cdot \|f\| \cdot \|x\|.$$

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On the Connection Between Weak and Strong Convergence

If E is a space which has a basis, may be a linear hull of functionals, which are biorthogonal to the elements of the basis. If $E=E_1$ is separable conjugate Banakh space, Γ may be a set of weak continuous linear functionals, that means functionals produced by the elements of the space E. Theorem 1. A new norm $\|\ \|^*$ may be defined in E, equivalent to the usual one and causing the conditions

$$a)\ \lim f(x_n - x) = 0 \text{ for all } f \in \Gamma$$

$$b)\ \lim_{n\to\infty} \|x_n\|^* = \|x\|^*$$

to result in strong convergence: $\lim_{n\to\infty} \|x_n - x\|^* = 0$
Theorem 1 helps to define another theorem saying that all separable conjugates of Banakh space are homeomorphic. The method of the best convergences, as explained in this paper, permitted the author to find.

On the Connection Between Weak and Strong Convergence

a proof for the homeomorphism of the separable evenly convex [Ref 3], reflective [Ref 2], and finally of conjugate spaces. There are 3 Soviet references.

ASSOCIATION: Kharkivs'kyy avtomobil'no-dorozhnyy instytut (Khar'kov Highway Construction Institute)

PERIODICAL: By B.V. Hnyedenko, Member AS of UkrSSR

SUBMITTED: November 10, 1958

KADETS, M.I.

Some properties of potential operators in reflective separable spaces. Izv. vys. ucheb. zav.; mat. no.2:104-107 '60.
(MIRA 13:7)

1. Khar'kovskiy avtomobil'no-doroshnyy institut.
(Spaces, Generalized)

KADETS, M.I.; LEVIN, B.Ya.

Solution of S.Banach's problem of the topological equivalence of spaces of continuous functions. Trudy Sem.po funk.anal. no.3/4:20-25 '60. (MIRA 14:10)
(Banach spaces) (Functional analysis)

16.4100, 16.4200

77805
SOV/42-15-1-12/27

AUTHOR: Kadets, M. I.

TITLE: On the Distribution of Points of Maximum Deviation in the Approximation of Continuous Functions by Polynomials

PERIODICAL: Uspekhi matematicheskikh nauk, 1960, Vol 15, Nr 1, pp 199-202 (USSR)

ABSTRACT: Let f(t) be a continuous function defined on the interval $[0, \pi]$, $f_n(t)$ an even trigonometric polynomial of order n having the least deviation from f(t) in the metric of the space C. In this case there exist on $[0, \pi]$ n + 2 points:

$$t_0^{(n)} < t_1^{(n)} < \ldots < t_{n+1}^{(n)} \quad (n = 0, 1, 2, \ldots), \qquad (1)$$

at which the difference $r_n(t) = f(t) - f_n(t)$ achieves its maximum value $E_n[f]$, with alternating signs

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On the Distribution of Points of Maximum Deviation in the Approximation of Continuous Functions by Polynomials

77805
SOV/42-15-1-12/27

(points of maximum deviation). Let the points in (1) be characterized by Δ_n defined as:

$$\Delta_n = \max_{0 \leqslant k \leqslant n+1} \left| t_k^{(n)} - \frac{\pi k}{n+1} \right| \quad (n = 0, 1, 2, \ldots).$$

After proving two supporting lemmas the author proves the theorem: For an arbitrary continuous function on $[0, \pi]$ and for arbitrary $\varepsilon > 0$, the points of maximum deviation satisfy the limiting equality:

$$\lim_{n \to \infty} \Delta_n \cdot n^{\frac{1}{2}-\varepsilon} = 0. \qquad (2)$$

SUBMITTED: December 5, 1956

Card 2/2

GURARIY, V.I.; KADETS, M.I.

Minimal systems and quasi-complements in Banach space. Dokl.AN SSSR 145 no.2:256-258 Jl '62. (MIRA 15:7)

1. Khar'kovskiy avtomobil'no-dorozhnyy institut i Khar'kovskoye vyssheye voyenno-aviatsionnoye uchilishche. Predstavleno akademikom A.N.Kolmogorovym.
(Banach spaces) (Sequences (Mathematics))

KADETS, M.I.

Lozinskii - Kharshiladze's systems. Usp. mat. nauk 18 no.5: 167-169 S-O '63. (MIRA 16:12)

GAPOSHKIN, V.F. (Moskva); KADETS, M.I. (Khar'kov)

Operator bases in Banach spaces. Mat. sbor. 61 no.1:3-12 My '63. (MIRA 16:5)
(Banach spaces)

KADETS, M.I.

Exact value of the Paley - Wiener constant. Dokl. AN SSSR 155 no.6:1253-1254 Ap '64. (MIRA 17:4)

1. Predstavleno akademikom S.N.Bernshteynom.

KADETS, M.I. [Kadets', M.I.]

Bases and their spaces of coefficients. Dop. AN URSR no.9: 1139-1141 '64. (MIRA 17:11)

1. Predstavleno akademikom AN UkrSSR A.V. Pogorelovym [Pohorielov, O.V.].

KADETS, M.I.

Conditions for the differentiability of norms of Banach spaces.
Usp. mat. nauk 20 no.3:183-187 My-Je '65.
(MIRA 18:6)

KADETS, M.I.

Topological equivalence of certain cones in Banach space. Dokl. AN SSSR 162 no.6:1241-1244 Je '65. (MIRA 18:7)

1. Submitted December 25, 1964.

KADEYEV, K., inzh.

Key for arresting turbodrills. Bezop.truda v prom. 3 no.7:35 Jl '59.
(MIRA 12:11)

(Turbodrills)

KADEYSHVILI, V.G.

Kadeyshvili, V. G., "Computing the Dynamic Reliability of the Simplest Electric Systems, with Calculations of the Action of Certain Types of System Automation;" Traktaty Instituta energetiki [Treatises of the Power Institute], Volume VIII, Pages 77-85, 1953, (Academy of Sciences Georgian SSR) bibliography, 5 items.

30067
S/048/61/025/011/012/031
B104/B102

9.2571
24.7900 (1055, 1144, 1163)

AUTHORS: Fabrikov, V. A., Kozlov, V. I., Kadeyev, V. T., and Kudryavtsev, V. D.

TITLE: Experimental study of effects on yttrium ferrite single crystals, which are related to nutational oscillations of magnetization of the material on ferromagnetic resonance

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 25, no. 11, 1961, 1367 - 1371

TEXT: Nonlinear gyromagnetic effects in ferrites may, in first approximation, be divided into two groups. The first group consists of those gyromagnetic effects which are related to the frequency modulation, the other gyromagnetic effects related to the angle modulation of the precessional motion. The effects examined on yttrium garnet single crystals belong to the second group. The authors studied the interaction of two electromagnetic signals in the specimen: a h-f signal (10,000 Mc) polarized at right angles to the direction of magnetization, and a l-f signal (0.5 - 8 Mc) polarized in the direction of magnetization. The magnetic field

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directions in the experiments are shown in Fig. 1. The theoretical aspect of the problem under consideration had been previously studied by V. A. Fabrikov (Radiotekhnika i elektronika, 3, no. 2, 190 (1958); 4, no. 7, 1203 (1959); 6, no. 10, 1707 (1961)). Fig. 3 bases on these papers to show the complex susceptibility χ of a magnetized ferrite as a function of the constant magnetizing field. This function was calculated with the following formula derived in the previous papers:

$$\chi_\Omega = -\frac{Mh_1^2}{(\Delta H)^3}\,\frac{x}{1+x^2}\,\frac{1+x^2-y^2-2iy}{(1+x^2-y^2)^2+4y^2} \qquad (2)$$

Here, the magnetic moment $M = \text{const}$; h_1 is the amplitude of the circularly polarized h-f field; $\Delta H = 1/\gamma T_2$ is the half-width of the ferromagnetic resonance line; $\gamma = 2.8$ Mc/oe is the gyromagnetic ratio of the electron spin; $x = (H_{res} - H_c)/\Delta H$ and $y = \Omega T_2$; and $\chi = \chi' + i\chi''$. The investigation was conducted with an yttrium ferrite single crystal, where the width of the ferromagnetic resonance line was 1 - 2 oersteds. The spherical specimens (0.5 - 1mm in diameter) were placed in the center of a coil with several turns. The coil was connected to a resonant circuit (0.5 - 10 Mc). To...

Card 2/[illegible]

Experimental study of effects...

gether with the specimen it was placed in a square waveguide connected to a klystron generator. The parameters of the circuit with the specimen were periodically changed by a h-f signal (cm). The curve describing the ferrite losses under the action of the h-f signal was observable on an oscilloscope screen. Experimental data are compared in Fig. 5. with a theoretical curve. The modulating field causes the ferromagnetic resonance lines to be broadened. The effect investigated may be used for studying resonance effects in ferrites with narrow resonance lines. K. M. Polivanov is thanked for his interest. There are 5 figures and 7 Soviet references.

Fig. 2. Phase relations between changes of the magnetizing field H_z and the precession angle θ of magnetic moments in the material.
Fig. 3. Complex susceptibility of a magnetized ferrite relative to a l-f modulation field h_z as a function of the constant magnetizing field.
Fig. 5. χ'' as a function of amplitude h_o and of frequency f of the l-f field. Legend: (1) $\chi''(h_o)$; (2) $\chi''(f)$. The circles are experimental values; the curves were calculated.

Card 3/5

4

FABRIKOV, V.A.; KOZLOV, V.I.; KAD V.T.; KUDRYAVTSEV, V.D.

Experimental study on yttrium ferrate single crystals of the effects related to the effects related to the nutational vibrations of a magnetized material in ferromagnetic resonance. Izv. AN SSSR. Ser. fiz. 25 no.11:1367-1371 N '61. (MIRA 14:11)
(Yttrium ferrate crystals—Magnetic properties)
(Ferromagnetic resonance)

KADEYKIN, V.A., dots.; SOKOLOV, V.D., dots.; DRUZHININ, A.S., kand. ist. nauk; SUSLIKOV, A.A., st. prep.

[Reports and papers of the Scientific Conference on the Subject "Expanding socialist competition in the coal industry of the Kuznetsk Basin"] Doklady i soobshcheniia Nauchnoi konferentsii na temu "Razvitie sotsialisticheskogo sorevnovaniia v ugol'noi promyshlennosti Kuzbassa." Kemerovo, Kemerovskii gornyi in-t, 1962. 113 p. (MIRA 17:7)

1. Nauchnaya konferentsiya na temu "Razvitiye sotsialisticheskogo sorevnovaniya v ugol'noy promyshlennosti Kuzbassa.

KADEYSHVILI, V.G.; KASHAKASHVILI, V.P.; LEZHAVA, G.S.

A static model of an electric power system in the Power Engineering Institute of the Academy of Sciences of the Georgian S.S.R. Trudy Inst.energ.AN Gruz.SSR 16:137-149 '62. (MIRA 16:4)
(Electric power distribution—Models)

KADEYSHVILI, V.G. (Tbilisi)

Determination of optimum calculational mechanical loads of overhead electric power transmission lines based on the statistical theory of games. Izv. AN SSSR. Energ. i transp. no.4:63-68 Jl-Ag '65. (MIRA 18:10)

KADEYSHVILI, V.G.; KASHAKASHVILI, V.P.; LEZHAVA, G.S.

Composite model of an a.c. network with noncalibrated resistances and the prospects for its use. Soob. AN Gruz. SSR 29 no.2:173-176 Ag '62. (MIRA 18:3)

1. Institut energetiki imeni Didebulidze, AN Gruzinskoy SSR, Tbilisi. Submitted June 26, 1961.

KADIASHVILI, R.N.

Removable switch plate for two-track narrow-gauge lines in stoping areas. Suggested by R.N. Kadiashvili. Rats. predl. no. 43:17-18 '59. (MIRA 14:1)
(Tunneling) (Mine railroads)

KADIC, K. ; REZAC, Z.

Polarometric determination of fluorine in soluble fluorides with ferric choride
p. 570

CHEMICKE LISTY (Ceskoslovenska akademic ved. Ceskaslovenska spolecnost chemicks) Praha, Czechoslovakia. Vol. 49, no. 4, Apr. 1955

Monthly List of East European Accessions (EEAI(LC, Vol. 9, no. 1, Jan 1960
Uncl.

KADIC, K.

CZECHOSLOVAKIA/Analytical Chemistry. Laboratory Equipment. Instrumentation. F

Abs Jour : Ref Zhur - Khimiya, No 2, 1959, No 4528

Author : Kadic, K.
Inst : Not given
Title : A Polarographic Cell for Multiple Analyses

Orig Pub : Chem Prumysl, 8, No 5, 249 (1958)

Abstract : A simple cell for multiple polarographic analyses is described. The cell contains a reference electrode. The walls of the cell are coated with silicon, which makes it possible to drain the cell dry and makes it unnecessary to rinse the cell with the solution to be analyzed. As a result, the minimum volume of solution required has been reduced to 4-5 ml. -- V. S.

Card 1/1

KADIC, Karel

Standardization makes it possible to increase requirements on industrial fertilizer production. Normalizace 11 no.9:285-288 S '63.

1. Odborove normalizacni stredisko, Vyzkumny ustav anorganicke chemie, Usti nad Labem.

KADIC, M.

"Sterility in cows & poor development of calves in s ocialist sector."

Stocarstvo 6 : 114-120, Mar. 1952

KADIC, Muhamed

Some progressive realizations in the planning of rural courtyards. Publ Teh fak Sarajevo 1 no. 1:13-26 '58.

1. Member of the Board of Editors, "Publikacije Tehnickog fakulteta u Sarajevu".

KADIECEK, Vladislav, inz., CSc.

Information on Polish road construction. Siln doprawa 11 no.9: 18-19 S'63.

1. Stavebni ustav, Ceske vysoke uceni technicke.

KUZNETSOV, B.A., kand.tekhn.nauk; PODOPRIGORA, A.S.; inzh.; BYLYA, A.K., inzh.
KADIGROB, F.Ye., inzh.

Research on the interaction of a wheel and a rail. Vop. rud.transp. no.4:244-270 '60. (MIRA 14:3)

1. Dnepropetrovskiy gornyy institut im. Artema.
(Mine railroads)