MIRANTSEV, Georgiy Yakovlevich; SUDAKOV, P.Ye., retsenzent; KAMINSKIY, M.L., retsenzent; STOLGANIK, G.Ya., ved. red.

[Assembly, adjustment, and operation of devices and systems of automatization and control in the petroleum industry] Montazh, naladka i ekspluatatsiia priborov i sistem avtomatizatsii i kontrolia v neftianoi promyshlennosti. Moskva, Nedra, 1965. 263 p. (MIRA 18:11)

YEFIMOV, Igor' Petrovich; DUKHANIN, Serafim Sergeyevich; BELEN'KIY, Veniamin Il'ich; KAMINSKIY, M.L., otv.red.; ASTAKHOV, A.V., red.izd-va; SHKLYAR, S.Ya., tekhn.red.

[Operator of hydraulic equipment in opencut and underground operations] Mashinist gidroustanovok na otkrytykh i podzemnykh rabotakh. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 298 p. (MIRA 13:3)
(Hydraulic mining—Equipment and supplies)

KAMINSKIY, M.L., inzh.

The "Avtoraport" apparatus for centrally controlled operations information. Mont. i spets. rab. v stroi. 24 no.5:7-8 My '62. (MIRA 15:5)

1. Ministerstvo stroitel'stva RSFSR.
(Automatic control)

KAMINSKIY, M.L., inzh.

New products and materials for the assembly of industrial electric equipment and automation systems. Mont. i spets. rab. v stroi. 23 no.4:29-31 Ap '61. (MIRA 14:5)
(Electric apparatus equipment--Exhibitions)

KAMINSKIY, Mikhail L'vovich, inzh.; LAZAREV, Nikolay Ivanovich, inzh.; VORONKOV, Yu.F., nauchn. red.

[Installation of large electrical machines] Montazh krupnykh elektricheskikh mashin. Moskva, Stroiizdat, 1964. 286 p. (MIRA 17:8)

USSR / Human and Animal Morphology (Normal and Pathological). The Peripheral Nervous System. S-2

Abs Jour: Ref Zhur-Biol., No 10, 1958, 45524.

Author : Kaminskiy, M.P.
Inst : Not given
Title : Correlation Between the Azygos Vein and the Nerves.

Orig Pub: V. sb.: Zdravookhr. Sov. Latvii, II, Riga, 1954, 122-124.

Abstract: During preparations, under a binocular loupe, of 12 cadavers of miscarriaged children and one cadaver of a woman, it was successful in three cases only to disclose nerve branches, terminating independently on the wall of the azygos vein (AV). The greatest number of branches (5-7) passed over from the truncus into the region of the heads of the 3-5th and the 7-8th ribs. Almost in all cases,

Card 1/2

KAMINSKIY, M.L., inzh.

Using the SMP-1 gun. Mont. i spets. rab. v stroi. 22 no.5:21-24 My '60. (MIRA 13:10)

1. Minstroy RSFSR.
(Dowels) (Building-Tools and implements)

KAMINSKIY, M.L., inzh.

Operation of SMP-1 guns. Mont. i spets. rab. v stroi. 23 no. 2:26-27 F '61. (MIRA 14:1)

1. Minstroy RSFSR.
(Dowels) (Building—Tools and implements)

KAMINSKIY, M.L., inzh.; KHANAPETOV, M.V., inzh.

Arc welding of dowels. Mont. i spets. rab. v stroi. 24 no.8: 13-17 Ag '62. (MIRA 15:8)

1. Ministerstvo stroitel'stva RSFSR.
(Dowels--Welding)

L 22145-66

ACC NR: AP6012953 SOURCE CODE: UR/0096/65/000/004/0095/0096

AUTHOR: Kaminskiy, M. S.

ORG: none

TITLE: All-union conference on the economy of heat and fuel

SOURCE: Teploenergetika, no. 4, 1965, 95-96

TOPIC TAGS: fuel, scientific conference, heat, economic program

ABSTRACT: In December 1964, the all-union conference on fuel economy was held in Moscow, with representatives of 94 large industrial enterprises, 32 sovnarkhozes, 43 science research and other institutes and other organizations -- over 300 men in all -- taking part. The conference noted that although the production of fuel is increasing, the industries which primarily use it are also growing, so that the problem of fuel economy will be with us for some time to come, in spite of the increasing application of new sources of energy, such as atomic energy and geothermal waters. Reports were heard on the economic significance of fuel economy; changes in the structure of the fuel balance; the plan for fuel utilization for 1966-1970; fuel economy in the Ukraine; the experience of individual enterprises in achieving economies in fuel usage per unit production. The decision of the conference noted that there are possibilities for fuel savings in all branches of the economy, and denoted concrete paths and means for realization of these savings. [JPRS]

SUB CODE: 05, 21 / SUBM DATE: none

UDC: 338.4.006.3

Card 1/1 BK

KAMINSKIY, M.S.

New works of the All-Union Heat Engineering Institute accomplished in 1959. Teploenergetika 7 no.2:92-94 F '60. (MIRA 13:5)

(Bibliography--Power engineering)

KAMINSKIY, M.S.

Transactions of the All-Union Technological Institute during 1960.
Teploenergetika 8 no.12:89-91 D '61. (MIRA 14:12)
(Bibliography--Turbomachines)

GAL'PERIN, Iosif Iosifovich; KAMINSKIY, M.S., red.; BORUNOV, N.I., tekhn.red.

[Synthesis of automatic control systems] Sintez sistem avtomatiki. Moskva, Gos.energ.izd-vo, 1960. 159 p. (MIRA 13:12)
(Automatic control)

KAMINSKIY, M.S.

All-Union conference on the economy of heat and fuel. Teploenergetika 12 no.4:95-96 Ap '65. (MIRA 18:5)

KAMINSKIY, Mikhail Solomonovich; MARKUSHEVICH, Aleksandr Markushevich; MIRONOV, S.Ya., red.; RAKITIN, I.T., tekhn. red.

[Time of tomorrow; waste of time in daily life and the possibility of preserving lost hours] Vremia zavtrashnego dnia; o neproizvoditel'nykh zatratakh vremeni v bytu i o tom, kak poteriannye chasy mozhno sokhranit'. Moskva, Izd-vo "Znanie," 1962. 37 p. (Novoe v zhizni, nauke, tekhnike. III Seriia, Ekonomika, no.12) (MIRA 15:7)

(Cost and standard of living)
(Leisure)

MINDLIN, Ya.B., glavnyy inzh.; SVEKOL'NIKOVA, Z.P., inzh.; KAMINSKIY, M.Ye. Prinimali uchastiye: LOPATSINSKIY, V.Ye.; PERESETSKIY, M.L.. EL'KAND, V.D., tekhn.red.

[Strength standards for grinding wheels and norms for consumption of diamond tools] Normy stoikosti shlifoval'nykh krugov i rasxhoda almaznogo instrumenta. Izd.3. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit.lit-ry, 1959. 79 p. (MIRA 12:8)

1. Russia (1923- U.S.S.R.) Ministerstvo mashinostroyeniya. Nauchno-issledovatel'skoye byuro tekhnicheskikh normativov.
2. Sotrudniki Gosudarstvennogo nauchno-issledovatel'skogo instituta almaznogo instrumenta i protsessov almaznoy obrabotki (for Mindlin, Svekol'nikova, Kaminskiy).
(Grinding wheels)

POPOV, S.A.; KAMINSKIY, M.Ye.; PERESETSKIY, N.L.; NAYERMAN, M.S.; SMIRNOVA, I.S.; MUSAYELYAN, Ye.K.; SIL'VESTROV, V.D. [deceased]; KULIKOV, A.V.; NESMELOV, A.F., kand.tekhn.nauk, red.; IVANOVA, N.A., red.izd-va; GORDEYEVA, L.P., tekhn.red.

[Dressing grinding wheels with diamond and diamond-substitute tools] Pravka shlifoval'nykh krugov almaznymi instrumentami i zamenitelliami almazov. Pod red. A.F.Nesmelova. Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960. 101 p. (MIRA 14:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut almaznogo instrumenta i protsessov almaznoy obrabotki. 2. Gosudarstvennyy nauchno-issledovatel'skiy institut almaznogo instrumenta i protsessov almaznoy obrabotki (for all except Nesmelov, Ivanova, Gordeyeva).

(Grinding wheels) (Diamonds, Industrial)

KAMINSKIY, M.Ye.; NAYERMAN, M.S.; PETROSYAN, L.K.; POPOV, S.A., kand. tekhn. nauk; KHRUL'KOV, V.A., kand.tekhn.nauk,retsenzent

[Efficient use of diamond tools] Ratsional'naia ekspluatatsiia almaznogo instrumenta. [By] M.E.Kaminskii i dr. Moskva, Mashinostroenie, 1965. 238 p. (MIRA 18:6)

KAMINSKIY, M.Ye.

Diamond tools for automatic straightening of grinding wheels.
Stan. i instr. 34 no.12:10-12 D '63.

(MIRA 17:11)

UDALOV, N.; KAMINSKIY, N.

Hourly bonus payments for repair work. Sots.trud. no.5:71-74 My '56. (MLRA 9:8)

(Electric power plants) (Wages)

KAMINSKIY, N.

KAMINSKIY, N.

The organization of national economic councils and the improvement of accounting. Bukhg.uchet. 14 [i.e. 16] no.8:38-39 Ag '57. (MLRA 10:8)

1.Nachal'nik orgsektora zavoda "Zaporozhstal'".
(Zaporozh'ye--Accounting)

KOFMAN, Ye.; KAMINSKIY, N.; LEVIN, S.

On establishing a norm plan in metallurgical production.
Sots.trud 4 no.7:85-88 Jl '59. (MIRA 13:4)
(Metallurgical plants--Production standards)
(Wages)

KAMINSKIY, N.; KOFMAN, Ye.

Accounting for wage fund disbursements. Biul.nauch.inform.: trud i zar.plata 3 no.3:26-27 '60. (MIRA 13:8)
(Zaporozh'ye--Steelworks) (Wages)

KOFMAN, Ye.; KAMINSKIY, N.

More on wages and qualitative indices. Sots.trud 5 no.8: 112-113 Ag '60. (MIRA 13:11)

1. Nachal'nik otdela organizatsii truda zavoda "Zaporozhstal'" (for Kofman). 2. Inzhener otdela organizatsii truda zavoda "Zaporozhstal'" (for Kaminskiy).
(Zaporozh'ye--Metallurgical plants--Quality control)

KAMINSKIY, N.; KOFMAN, Ye.

Methodology for converting planned wage fund when main workshops overfulfill the production plan. Biul.nauch.inform.: trud i zar.plata 4 no.5:49-51 '61. (MIRA 14:5)
(Zaporozh'ye—Steel industry) (Wage payment systems)

GORIN, F.; KAMINSKIY, N.

Procedure for issuing bonuses to workers of enterprises for economizing on fuel, electricity and heat. Sots.trud 8 no.4: 135-138 Ap '63. (MIRA 16:4)

(Fuel) (Bonus system)

18

Making hydrogen by contact methods. G. Klein, N. Kaminskii and P. Yunichman. *Masloboino Zhirovoe Delo* 1935, 152-7. In making H_2 from water gas, the contact mass accumulates S as Fe sulfides in the reduction stage, and liberates H_2S, which contaminates the H_2. Low operating temp. in the water-gas furnace favors H_2S formation and should be avoided. To obtain satisfactorily pure H_2 it is necessary to keep the concn. of H_2S in the water gas very low. Julian F. Smith

METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX

Rapid method for factory control of fat saponification. G. Klein, N. Kaminskii and P. Yunichman. *Maslobno Zhirovoe Delo* 11, 502-3(1935).—Withdraw a sample of saponif. fat at 70-80° with a 5-cc. pipet, heated to 60-70°, into a 200-cc. tared flask, allow to cool and weigh. Add 100 cc. of satd. NaCl at 60-70°, 30 cc. of refined sunflower oil at 60-70° and 3 drops of 1% methyl orange, and titrate H_2SO_4 with 0.5 *N* NaOH. Introduce into the mixt. 10 drops of 10% phenolphthalein and titrate with 0.5 *N* NaOH with shaking. The percentage of saponif. = (a − b) × 0.141 × 100/*H*, where *H* = g. of sample, *a* = cc. of 0.5 *N* NaOH consumed in the titration of fatty acids, 0.141 = titer of 0.5 *N* oleic acid (the mol. wt. of oleic acid was accepted as equal to that of all the fatty acids); *b* = correction for the acidity of the 30 cc. of sunflower oil (detd. by a similar procedure). The detn. is made in 5 min. with an accuracy to 1% as compared with the standard method. Chas. Blanc

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

27

The effect of kieselguhr on the activity of (nickel) catalysts. G. Klein, N. Kaminskii and N. Fedorovich. *Mas. Sbornik Zhirovoi Delo* 11, 403-5(1930). A polemic with Petryaev, C. A. 30, 4707[9], 5437[6]. Chas. Blanc

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX

96

Rapid method for determining acid number of fats. N. Kaminskii. *Maslobolno Zhirovoe Delo* 13, No. 2, 25 (1937). The Fedchenko and Kashin method (C. A. 30, 8929) was applied to the analysis of hydrogenated fat mixts. with good results. Chas. Blanc

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

*Some Conditions for the Production and Application of Nickel-Copper Catalysts. - I II. (I. M. Klein, N. A. Kazinski, M. D. Litvinov, and N. A. Fedorovich (*Masloboino-Zhirovoye Delo* (*Oil and Fat Ind.*), 1937, 13, (3), 9-12; (4), 22-23; *Chem. Zentr.*, 1938, 109, (1), 770, 3152).—[In Russian.] Details are given concerning the application of a mixture of nickel and copper powder as catalyst in the fat-hardening industry.—D. R. S.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

Apparatus for the determination of hydrogen sulfide in hydrogen and water gas. N. Kaminskii. *Maslobolno Zhirovoe Dele* 13, No. 3, 32-3(1937).—In the iodometric detn. of H_2S impurities in a gas, a sample is aspirated into a tube contg. 0.1 *N* I and dild. to 200 cc. The tube is fitted with a bottom glass cock, a gas-inlet tube and a ground-in test tube provided with a siphon tube and 0.1 *N* $Na_2S_2O_3$ and connected with the aspirator bottle. The 2 solns. are removed through the glass cock and the excess I is titrated with $Na_2S_2O_3$. Chas. Blanc

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

27

Preparation and application of copper nickel catalyst (in hydrogenation of oils). G. Kleiu, N. Kaminskii, M. Litvinov and N. Fedorovich. *Maslobelno Zhirovoe Delo* 13, No. 4, 31-4(1937); cf. C. A. 31, 8807[6]. In the hydrogenation of sunflower oil and black cottonseed oil, the best lab. and factory results were obtained with 3-5% of the Cu-Ni catalyst (1:3) pptd. on kieselguhr (1:1). The catalyst is best prepd. by pptg., with stirring at 50-80° r. p. m., a mixt. of $CuSO_4$ and $NiSO_4$ at a concn. of 0.5-0.8% with dil. Na_2CO_3 at 40°, then adding kieselguhr and drying the filter residue at 100-110° to a moisture content of 5-15%. It should contain a max. of 0.3% Fe and only traces of Zn. The mixed carbonates are reduced in oil at 190-220° for 1-4 hrs. until a fat mixt., m. 50-60°, is obtained. After decanting the fat mixt. at 80°, the catalyst is filtered and washed with hot oil. By preliminary bleaching of oils with 1% of the gas-producer C residue (cf. Kleiu, *et al.*, C. A. 30, 3072[2]), edible fat mixts. of excellent whiteness are obtained.

Chas. Blanc

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES INDEX

7

Volumetric determination of nickel. N. Kaminskii and P. Kaminskaya. *Maslobolno Zhirovoe Delo* 14, No. 3, 17-18(1938).—In the modified Krupenkio method (*C. A.* 31, 6130[9]), any Fe and Al in the soln. is removed by oxidising with HCl + HNO_3 and ppt'g. with a slight excess NH_4OH. In an aliquot part of the filtrate Ni is ppt'd. with a little excess NaOH, the washed $Ni(OH)_2$ is dissolved in a measured vol. of 0.1 *N* HCl and the excess acid is titrated back with 0.1 *N* NaOH to methyl orange.

Chas. Blanc

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

CA

27

Regeneration of spent (nickel) catalyst by the alkaline method. N. Kamimskii and B. Chufarovskaya. *Masloboino Zhirovoe Delo* 15, No. 4, 10-13(1939).—In the modified method of Ettinburg, Vengerova and Gol'dstein (*C. A.* 30, 3050[9]), after the removal of fat, the catalyst mixt. is treated with dil. H_2SO_4 instead of a $NaClO$ soln. and then reactivated by the usual method.
Chas. Blanc

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

CA

27

Reclaiming spent Ni catalyst. N. A. Kaminskii and R. A. Chafarovskaya. Russ. 57,936, Sept. 30, 1940. The spent catalyst (used in hydrogenating fats) is fused and treated with dil. aq. Na_2CO_3 and NaCl, fat and aq. soln. are removed, and the residue is heated with concd. caustic alkali for the complete removal of fats.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

CR

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Refractometric measurement of the degree of hardening in hydrogenated fats. N. Kamimkii and E. Chufarovskaya. *Maslobolno-Zhirovaya Prom.* 16, No. 5-6, 45-8 (1940).—Refractometric measurement of degree of hardening in hydrogenated fats is accurate, rapid (3-5 min and nearly independent of the personal factor. Results obtained in different labs. are therefore directly comparable. The method is readily adaptable to routine analysis at a very low cost per detn. A particularly important [illegible] method is in establishing the most effective and economical hydrogenation schedule for a given fat. As an example, hardness ratings (Osminin units) rose from 20 to 340 as n_D^{40} fell from 1.4600 to 1.4030. Julian F. Smith

1. KAMINSKIY, N.A. (Eng.)

2. USSR (600)

4. Oleomargarine

7. Determining solidity of fats in a TK "durometer."
Masl. zhir. prom. 17. no. 6. 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

KAMINSKIY, N.A., inzhener.

Universal method for margarine analysis. Masl.-zhir.prom. 18 no.6:22-24 Je '53. (MLRA 6:6)

1. Zaporozhskiy zhirkombinat. (Oleomargarine--Analysis)

KAMINSKIY, N.A., inzhener.

Determining the percentage content of fat in margarine "sanitary waste" and in animal oil. Masl.-zhir.prom. 18 no.6:24-25 Je '53. (MLRA 6:6)

1. Zaporozhskiy zhirkombinat. (Oils and fats--Analysis)

KAMINSKIY, N.A., inzhener.

Determining the sugar and salt in a solution used in the manufacture of margarine. Masl.-zhir.prom. 18 no.6:25 Je '53. (MLRA 6:6)

1. Zaporozhskiy zhirkombinat. (Oleomargarine--Analysis)

KAMINSKIY, N.A., inzhener.

Preparation of a nickel-formate salt. Masl.-zhir.prom. 19 no.4:31-32 '54. (MLRA 7:7)

1. Zaporozhskiy zhirovoy kombinat.
(Catalysts) (Nickel formate)

KAMINSKIY, N.A.

SPINOV, R.I., inzhener.; KAMINSKIY, N.A., inzhener.; PASECHNIK, M.S., kandidat tekhnicheskikh nauk.

Increase the functions and responsibilities of plant laboratories in industry. Masl.-zhir. prom. 23 no.5:25-26 '57. (MLRA 10:5)

1. Zaporozhskiy masloshirkombinat (for Spinov and Kaminskiy). 2. Zaporozhskiy institut sel'skokhozyaystvennogo mashinostroyeniya (for Pasechnik).

(Oils and fats--Analysis)

KAMINSKIY, N.A., inzh.; PASECHNIK, M.S., kand. tekhn. nauk

Use of hydrogenated fats for the preparation of specialized lubricants. Masl.-zhir. prom. 24 no. 8:42-44 '58. (MIRA 11:8)

1. Zaporozhskiy masloshirovoy kombinat (for Kaminskiy). 2. Dnepropetrovskiy universitet (for Pasechnik)
(Rolling(Metalwork)
(Lubrication and lubricants)

25(1) SOV/21-59-1-13/26

AUTHORS: Pasechnik, M.S. and Kaminskiy, N.A.

TITLE: An Investigation of the Effect of the Composition of Technological Lubricants on the Spreading Coefficient in Cold Rolling of Thin Sheet Steel. (Issledovaniye vliyaniya sostava tekhnologicheskoy smazki pri kholodnoy prokatke tonkolistovoy stali na koeffitsiyent vytyazhki)

PERIODICAL: Dopovidi Akademii nauk Ukrains'koi RSR, 1959, Nr 1, pp 49-51 (USSR)

ABSTRACT: The purpose of this investigation was to find a home-produced replacement for palm oil, which was up to now used as a lubricant in the cold rolling of sheet steel. As the result of experiments with various vegetable oils and animal fats, the following conclusion was made: the best lubricant must be of triglyceride composition, and must contain an optimum quantity of saturated high molecular fatty acids, a

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SOV/21-59-1-13/26

An Investigation of the Effect of the Composition of Technological Lubricants on the Spreading Coefficient in Cold Rolling of Thin Sheet Steel.

maximum of trisaturated glycerides, a minimum of highly-unsaturated fatty acids, and as little as possible glycerides of low-molecular fatty acids. The lubricants were finally made up on the basis of tristearin dissolved in a mineral oil ("braystok", spindle oil, castor oil, etc.) both giving a lower spreading coefficient than the quick solidifying lubricants, but being better than palm oil. One of the two new greases is the "PKS-1" grade, produced at the Zaporiz'kyy maslozhirkombinat (Zaporozh'ye Oil and Fat Combine), used since 1957 by the thin-sheet rolling mill shop of the "Zaporizhstal'" plant, where it has fully replaced palm oil. There are 2 graphs and 2 Soviet references.

ASSOCIATION: Dnepropetrovs kiy gosudarstvennyy universitet (The Dnepropetrovsk State University)

PRESENTED: July 31, 1958, by Chekmarev, A.P., Member of AS UkrSSR

Card 2/2

KAMINSKIY, N. A., Cand Tech Sci -- (diss) "Investigation of fats and fatty acids in the capacity of technological lubricants for cold-rolled fine steel strips." Leningrad, 1960. 14 pp; (State Committee of Higher and Secondary Specialist Education of the Council of Ministers of the Uzbek SSR, Central Asiatic Polytechnic Inst); 250 copies; price not given; (KL, 25-60, 132)

KAMINSKIY, N.A., insh.; ARUTYUNYAN, N.S., insh.; KALININ, A.I., insh.

Neutralization of fats and oils in a water-alkali medium. Masl.-zhir.prom. 26 no.12:16-18 D '60. (MIRA 13:12)

1. Zaporozhskiy maslozhirovoy kombinat.
(Oils and fats)

KAMINSKIY, N.A., kand.tekhn.nauk; ARUTYUNYAN, N.S., inzh.; KALININ, A.I., inzh.; KOZDOBA, A.A., inzh.; DMITRIYEVA, N.A., inzh. YUDINA, T.N., inzh.

Neutralization of fats and oils in an alkali in neutralization chambers. Masl. - zhir. prom. 27 no.12:37-40 D '61. (MIRA 14:12)

1. Zaporozhskiy maslozhirovoy kombinat.
(Oils and fats)

KAMINSKIY, N.A., kand.tekhn.nauk; ARUTYUNYAN, N.S., inzh.;
KALININ, A.I., inzh.; KOZDOBA, A.A., inzh.;
DMITRIYEVA, N.A., inzh.; YUDINA, T.N., inzh.

Neutralization of fats and oils in an alkaline medium.
Masl.-zhir.prom. 28 no.7:13-14 Jl '62. (MIRA 15:11)

1. Zaporozhskiy maslozhirovoy kombinat.
(Oils and fats)

DRAHKIN, G.M.; GUREVICH, L.M.; GUTNER, B.M.; KAMINSKIY, N.K.

Automatic tuning of the terminal stage circuit of the high-frequency oscillator of the 10 Bev. proton synchrotron. Radiotekh. i elektron. i no.7:965-973 Jl '56. (MLRA 10:1)
(Synchrotron)

Kaminskiy, N.K.

AUTHOR: MINTS, A.L., KAMINSKIY, N.K. 57-6-28/36

TITLE: Cascade Phasotron. (Kaskadnyy fazotron, Russian)

PERIODICAL: Zhurnal Tekhn. Fiz., 1957, Vol 27, Nr 6, pp 1337 - 1346 (U.S.S.R.)

ABSTRACT: First, the principle of a system with a multiple-electrode-acceleration system of charged particles is described. The characteristic feature of this system is that the highest operation frequencies correspond to the geometrically smallest electrode and that the acceleration system can be constructed without a frequency variator. A mode of operation with multiple control is obtained by means of the excitation of the band amplifiers of a series of single independent generators. The operation of such a system is shown which takes place in two cycles. Five groups of particles, which are in different acceleration stages, are accelerated at the same time in the accelerator in consequence of its being subdivided into five ring-zones. Thus the intensity of the bundle of accelerated particles can be essentially increased. The following problems were investigated: 1) The influence of edge effect on the configuration of the lines of force of the electric field at the front planes of the electrodes. 2) The influence of the motion of the "sagging" particles of the electric

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S/044/62/000/006/015/127
B112/B104

AUTHOR: Kaminskiy, N. K.

TITLE: Graphoanalytic study of a self-oscillating system of a certain type

PERIODICAL: Referativnyy zhurnal. Matematika, no. 6, 1962, 55, abstract 6B236 (Nauchn. dokl. vyssh. shkoly. Radiotekhn. i elektronika, no. 2, 1959, 185 - 196)

TEXT: The author considers an equation of nonlinear oscillations of the form $\ddot{u} + u + \mu f(u, \dot{u}) = f_1(t)$ and sets the task of studying the phase images of various stages of a self-exciter (stage of fading, synchronization, and pulsations) and of determining the bifurcation values of the parameters corresponding to the transition from one stage into the other. The study is made using a self-exciter, the operation of which is described by the differential equation

$$d^2u/d\tau^2 + u - \mu[(1+\gamma u^2)du/d\tau + \varepsilon_0 u] = -g(M/L)\varepsilon \sin(3\tau+\alpha), \quad (2)$$

where μ, γ, ε_0, M, L, α are the parameters of the generator. The solution

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obtained has the form

$$u = x \sin\tau - y \cos\tau - v \sin(3\tau + \alpha) \qquad (3)$$

Substituting solution (3) in equation (4) the author obtains two first-order equations with the unknown quantities x and y. In polar coordinates ($x = r \cos\varphi$, $y = r \sin\varphi$), these equations have the form:

$$dr/d\tau = (\mu\gamma/8) r \left[(k + r^2) + vr \cos(3\varphi + \alpha)\right],$$

$$d\varphi/d\tau = (\mu\gamma/8) \left[\varepsilon - vr \sin(3\varphi + \alpha)\right],$$

where $k = (4/\gamma) + 2v^2$, $\varepsilon = 4\varepsilon_0/\gamma$, $v = 9M\varepsilon/8L$. In addition, the author sets up the equation $r^{-1}dr/d\varphi = (k + r^2 + vx_0)/(\varepsilon - vy_0)$, which is equivalent to system (4), by introducing the relations $x_0 = r\cos(3\varphi + \alpha)$, $y_0 = r \sin(3\varphi + \alpha)$. The author sets the right-hand side of this equation equal to a constant m and obtains the following equation for an auxiliary isocline:

$$(x_0 + v/2)^2 + (y_0 + mv/2)^2 = \rho^2,$$

where $\rho^2 = v^2(1 + m^2)/4 + m\varepsilon - k$. When $|m| < \infty$, these auxiliary isoclines

are circles. The isocline for $|m| = \infty$ is the straight line $y_0 = \varepsilon/v$. The author constructs the true isoclines on the plane (x, y) with the aid of the auxiliary isoclines on the plane (x_0, y_0) and analyzes system (4) for various cases corresponding to the ground states of forced oscillations. Misprints on page 186, fourth line from top, and on same page in formula 9. [Abstracter's note: Complete translation.]

KAMINSKIY, N. V. --

KAMINSKIY, N. V. -- "Material on the Epidemiology of Diphtheria in the City of Tomsk (1950-1954)." Tomsk State Medical Inst imeni V. M. Molotov. Inst of Experimental Medicine, Acad Med Sci USSR. Leningrad, 1956.
(Dissertations for the Degree of Candidate in Medical Sciences).

SO: Knizhnaya Letopis', No 9, 1956

KAMINSKIY, N.V.

Winter wheat "Bezostaia" 1 in Solonetz-type soils. Zemledelie 27 no.9:64-65 S '65. (MIRA 18:10)

1. Glavnyy agronom sovkhoza "Pervomayskiy" Mineralovodskogo rayona, Stavropol'skogo kraya.

ABRAMOV, V.O., nauchn. sotr.; CHAYKIN, O.F., nauchn. sotr.; ABATURIN, L.V., nauchn. sotr.; GAVRILOV, V.I.[Havrylov, V.I.], nauchn. sotr.; ALTAYSKIY, I.P.[Altais'kyi, I.P.], nauchn. sotr.; KAMINSKIY, O.YE.[Kamins'kyi, O.IE.], nauchn. sotr.; RUMYANTSEV, O.IE., nauchn. sotr.; SUKACH, P.V., nauchn. sotr.; VASIL'YEV, V.M.[Vasyl'iev, V.M.], nauchn. sotr.; KOTOV, G.G.[Kotov, H.H.], nauchn. sotr.; OBOLENSKIY, K.P.[Obolens'kyi, K.P.], nauchn. sotr.; SAVEL'YEV, Ye.O.[Savel'iev, IE.O.], nauchn. sotr.; MOTOV, S.I., nauchn. sotr.; RUSAKOV, G.K.[Rusakov, H.K.], nauchn. sotr.; YEVDOKIMENKO, V.P.[IEvdokymenko, V.P.], red.; SKVIRSKAYA, M.P.[Skvyrs'ka, M.P.], tekhn. red.

[Economics of agricultural enterprises] Ekonomika sil'skokhospodars'kykh pidpriiemstv; navchal'nyi posibnyk. Kyiv, Derzhpolitvydav URSR, 1963. 469 p. (MIRA 16:10)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya partiynaya shkola.
(Agriculture—Economic aspects)

KAMINSKIY, P.

Insitu masonry and assembly operations. Stroitel' no.4:31 Ap '61. (MIRA 14:5)

(Building--Safety measures)

KAMINSKIY, P.; KOMAROV, V.

Safe work methods. Stroitel' 8 no.9:28-29 S '62. (MIRA 15:12)
(Building--Safety measures)

KAMINSKIY, P.

Safe procedures for finishing operations. Stroitel' 8 no.6:29 Je '62. (MIRA 15:7)

(Building—Safety measures)

KAMINSKIY, P.

Use machinery and equipment properly. Stroitel' 8 no.11:23-29, 31 N '62. (MIRA 16:1)

(Construction equipment)

KAMINSKIY, P., inzh.

Concrete containing powdered quartz in large-panel housing construction. Stroitel' 8 no.1:28 Ja '62. (MIRA 16:2)
(Precast concrete) (Quartz)

KAMINSKIY, P.G.

GLAUBERSON, S.A.; KAMINSKIY, P.G.

Correlation between tuberculosis and lupus erythematosus of the nose. Vest. vener. No.3:42-43 May-June 50. (CLML 19:4)

KALINSKIY, P. K.

Dairy Cattle

Achievements of the Gavrilov-Posad State Farm in improving its herd of Kostroma Cattle. Sots. zhiv. 14, no. 1952.

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

KALINSKIY, P. K.

"Generalization on the Results of Crossing Yaroslav Cattle With Kostromskoy and Ostfriesland Cattle in Ivanovskaya and Yaroslavskaya Oblasts." Cand Agr Sci, All-Union Sci-Res Inst of Animal Husbandry, Moscow, 1954. (KL, No 4, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (13)
SO: Sum. No. 598, 29 Jul 55

KA[illegible]SKIY, P. V.

"Investigation, by Modeling, of Normal Conditions of Parallel Operation of AC and DC Electric Transmission Lines." Cand Tech Sci, L'vov Polytechnic Inst, Min Higher Education USSRL'vov, 1955. (KL,No 10, Mar 55)

SO: Sum. No. 670, 29 Sep 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

SAVIN, L.Ya.; TANASHEV, R.I.; KILYAKOV, A.M.; GORODETSKIY, M.S.; KAMINSKIY, R.M.; KHAR'KOV, V.I., nauchn. red.; KARAVASHKIN, S.I., red.

[Work practices of the Verkhovskiy Logging Camp] Opyt raboty Verkhovskogo lespromkhoza. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tsellyulozno-bumazhnoi, derevoobrabatyvaiushchei promyshl. i lesnomu khoz., 1964. 26 p. (MIRA 18:4)

KAMINSKIY, R.S.; RIZBERG, I.I.

Work experience of local organizations of the Scientific Technological Society. Spirt.prom. 27 no.3:41-42 '61. (MIRA 14:4)
(Lvov--Liquor industry) (Lokhvitsa--Alcohol)

DANILYAK, N.I.; KAMINSKIY, R.S.

First Soviet Liqueur and Vodka Firm. Spirt. prom. 29 no.6: 40-41 '63. (MIRA 16:10)

(Liquor industry)

DANILKO, G.V.; YEGOROV, A.S.; DANILYAK, N.I.; KAMINSKIY, R.S.

Use of ion exchange substances for the purification of the rectified alcohol by the Lvov Liqueur and Vodka Factory. Ferm. i spirt. prom. 30 no.2:29-31 '64. (MIRA 18:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut spirtovoy i likero-vodochnoy promyshlennosti (for Danilko, Yegorov).
2. L'vovskiy sovet narodnogo khozyaystva (for Danilyak, Kaminskiy).

BRYANTSEV, A. (Volgograd); KAMINSKIY, S. (Moskva); GAL'PERIN, M., master parikmakherskogo dela (Kiyev)

Three letters on one theme. Zhil.-kom. khoz. 13 no.1:21 '63. (MIRA 16:3)

(Hairdressing)

BELOKRYS, B.P., inzh.; KAMINSKIY, S.B., inzh. (g.Bugul'ma)

Digging the foundation pit for a tank in frozen ground. Stroi. truboprov. 6 no. 2:15-16 F '61. (MIRA 14:5)
(Frozen ground) (Excavation—Cold weather conditions)

KAMINSKIY, S. E.

"Precancer of the Mammary Gland (Clinical Morphological Investigations)." Cand Med Sci, State Order of Lenin Inst for the Advanced Training of Physicians imeni S. M. Kirov, Leningrad, 1955. (KL, No 16, Apr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

BIRKENGOF, A.L., dots.; DARINSKIY, A.V., dots.; KOBYAKOV, S.G., dots.; NEVEL'SHTEYN, G.S., dots.; SOKOLOV, N.N., prof.; PETROV, V.V., prof.; MARCHENKO, A.I., dots.; KAMINSKIY, S.F., dots.; MINEYEV, V.V., dots.; BOBOK, V.D., dots.; GOLOVANOV, S.S., red.; VISHNYA, L.P., red.; ONOSHKO, N.G., tekhn. red.

[Leningrad Province; nature and economy] Leningradskaia oblast'; priroda i khoziaistvo. [Leningrad] Lenizdat, 1958. 343 p. (MIRA 11:12)

1. Predsedatel' Leningradskoy oblastnoy planovoy komissii (for Golovanov).
(Leningrad Province--Economic conditions)

KAMENSKIY, S.K., inzh.

Engineering and economic comparisons of parameters 170 atm. 538/538° C with supercritical ones. Teploenergetika 11 no.3:92 Mr '64. (MIRA 17:6)

L 3081-66 EWT(1)/FCC GW

ACC NR: AP5028359 44,55 UR/0362/65/001/011/1196/1204

AUTHOR: Ivanov, R. N.; Kaminskiy, S. T. 44,55

ORG: Black Sea Section, Marine Hydrophysical Institute (Chernomorskoye otdeleniye, Morskoy gidrofizicheskiy institut) 44,55 B

TITLE: The role of Stokes flow in Leningrad floods 12,44,55

SOURCE: AN SSSR. Izvestiya. Fizika atmosfery i okeana, v. 1, no. 11, 1965, 1196-1204

TOPIC TAGS: ocean dynamics, weather prediction, ocean current

ABSTRACT: The article attempts to calculate the profile of the surface waters in the Baltic Sea and the Gulf of Finland with drift and Stokes flow of stable surges for different wind velocities. The reasons for the catastrophic floods produced by the effect of storm winds have not yet been satisfactorily explained. The theory of drifts and flow gradients can not always explain the observed differences in level. The article starts with a mathematical analysis of the surface profiles in the Baltic Sea and the Gulf of Finland, based on existing literature data on the slopes of the surface of the sea for these latitudes. It then proceeds to an analysis of the complex surges produced at Leningrad itself. It is concluded that the rise in water

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L 8981-66

ACC NR: AP5028359

levels in Leningrad under the influence of storm surges is produced mainly by the effect of drift and Stokes flows, but also sometimes by the effect of a long wave moving into the Gulf of Finland from the Baltic Sea. A rise in level produced by the effect of Stokes flow sets in relatively rapidly and, which is important to note, particularly strongly with high wind velocities over the Gulf of Finland. The effect of Stokes flow must certainly be taken into account in calculating the rise in level at Leningrad during floods. "In conclusion, we express our thanks to V.V. Shuleykin for his valuable observations and for his unchanging interest in the work, and also to N.A. Labzovskiy and N.O. Solntseva who kindly furnished certain material on the sea level at Leningrad for this work." Orig. art. has: 8 formulas and 6 figures.

SUB CODE: ES/ SUBM DATE: 16Apr65/ ORIG REF: 011/

OTH REF: 000

Card 2/2

29766
S/194/61/000/006/048/077
D201/D302

9.2510 (1067, 1159)

AUTHORS: Kaminskiy, U.I. and Sukonkina, Ye.A.

TITLE: Certain properties of a balanced difference amplifier

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 6, 1961, 5-6, abstract 6 E33 (Novosti med. tekhn. 1960, no. 3, 3-26)

TEXT: Certain qualitative properties are given of a triode balanced difference stage. The amplification of the anti-phase signal $K_{ac} = \mu R_a/R_i + R_a$. The amplification of the in-phase signal is $K_c \approx \frac{R_a}{R_k}$ provided $R_{i2} \leqslant 2R_K$; $K_a < R_K$, where R_a - the anode load, $\mu = \frac{\mu_1 + \mu_2}{2}$; $R_i = \frac{R_{i1} + R_{i2}}{2}$. The discrimination factor $F = K_{ac}/K_c$. To obtain large F's it is better to increase R_K and use a neg-

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D201/D302

Certain properties...

ative supply source. To eliminate large negative voltages the high internal resistance of a pentode may be used as R_K. The rejection coefficient of the stage is

$$H = \left[R_{i2} + R_a + 2R_K\ (\ _2 + 1)\right] \frac{D^1}{D_{i2}},$$

where D^1 - a coefficient taking into account the spread of parameters. To obtain the required H (up to 2000) it is necessary to increase R_K or to use tubes with close parameters or special compensating circuits which would equalize the valve and component parameters. The notion is given of the rejection coefficient of an amplifier consisting of difference stages $H_{ampl} = e_{in}/e_{ac.eq}$, where e_{in} - the input in-phase signal, $e_{ac.eq}$ - reduced to the input the output anti-phase voltage produced by the in-phase input signal. For a multi-stage difference amplifier

$$H_{ampl} = \left(\frac{1}{H_1} + \frac{1}{H_2F_2} + \frac{1}{H_3F_1F_2} + \ldots\right)^{-1}$$

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Certain properties...

If $H_2F_1 > H_1$; $F_1 \cdot F_2 \geqslant H_2F_2$ we have $H_{ampl} = H_1$. Balanced difference amplifiers are used in biological instruments. 5 references.
[Abstracter's note: Complete translation]

Card 3/3

ACC NR: AP7000984 (A) SOURCE CODE: UR/0018/66/000/012/0097/0099

AUTHOR: Kaminskiy, V. (Captain)

ORG: None

TITLE: Training mechanics

SOURCE: Voyennyy vestnik, no. 12, 1966, 97-99

TOPIC TAGS: military training, training aid, training equipment, electronic simulation, radio relay, ~~military personnel, communication personnel~~, RADIO TELEPHONE OPERATION, SIGNAL RECEPTION, COMMUNICATION TRAINING

ABSTRACT: Mechanics who must work on radio relay equipment can not always be trained by working on actual equipment itself, so a special training aid was built to simulate a telegraph and a telephone switchboard. Description of the training aid includes the manner in which radiotelephone calls over any telephone channel can be transmitted, how acoustic and optical signals are received, how to converse on any channel, or how to monitor the condition of call circuits, and send single-pole transmissions. Orig. art. has: 2 figures.

SUB CODE: 05,17/SUBM DATE: None

Card 1/1

L 20436-66 EPF(n)-2/EWP(t) IJP(c) JD/WW/JG

ACC NR: AP6009333 SOURCE CODE: PO/0095/65/013/008/0105/0110

AUTHOR: Kaminski, W.—Kaminskiy, V.

ORG: Physico-electronic laboratory, Department of Radio Ceramics, Warsaw (Laboratorium Fizyko-elektroniczne, Zaklad Ceramiki Radiowej)

TITLE: Aging processes in chemically modified solid solutions of zirconium, titanium and lead oxides

SOURCE: Polska akademia nauk. Bulletin. Serie des sciences techniques, v. 13, no. 8, 1965, 105-110

TOPIC TAGS: solid solution, lead oxide, titanium oxide, zirconate, ion exchange, lead compound, electric conductivity

ABSTRACT: The author discusses the results of investigations of the aging processes of pure solid solutions of lead zirconate, where a part of the lead was substituted with strontium and La_2O_3, Sb_2O_3, Cr_2O_3, and MnO_2. Compositions with admixtures of lanthanum oxide, antimony oxide, or chromium oxide show lesser effects of aging than pure solid $PbZrTiO_3$ solutions. An increase in resistance and also lesser changes in the electric conductivity and resonance frequency in time, in compounds with admixtures are caused by the substitution of lead with trivalent ions. The author wishes to thank Docent Dr. A. Goral for his discussion, and Docent Dr. Z. Pajak, Dr. J. Klimowski and Dr. J. Stankowski for their remarks and discussion of the aging processes. Orig. art. has: 6 figures. [Based on author's abstract.] [AM]

Card 1/2

L 20435-66

ACC NR: AP6009333

SUB CODE: 07,20 / SUBM DATE: none/ ORIG REF: 004/ OTH REF: 002/

Card 2/2 UL-R

KAMINSKIY, V.A.

Highly effective packing for laboratory columns. Zav.lab. 28 no.11:1382-1383 '62. (MIRA 15:11)
(Packed towers)

TILICHENKO, M.N.; KAMINSKIY, V.A.

Hydrocyanation of methylene-2,2'-dicyclohexanone. Zhur.ob.khim. 34 no.1:356-357 Ja '64. (MIRA 17:3)

1. Dal'nevostochnyy gosudarstvennyy universitet, g. Vladivostok.

TIMASHEV, S.F.; KAMINSKIY, V.A.

Anisotropic distribution of γ-quanta from internal bremsstrahlung in K-capture by polarized nuclei. Zhur. eksp. i teor. fiz. 38 no.1:284-285 Jan '60. (MIRA 14:9)

1. Institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta.
(Bremsstrahlung) (Gamma rays) (Electrons--Capture)

44232

S/056/62/043/006/030/067
B125/B102

24.6600

AUTHORS: Kaminskiy, V. A., Orlov, Yu. B.

TITLE: Interactions in the initial and final state of direct nuclear reactions

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43, no. 6 (12), 1962, 2146-2149

TEXT: A strict consideration of interactions in direct nuclear reactions by applying the dispersion theory of I. S. Shapiro (ZhETF, 41, 1616, 1961; Nucl. Phys., 28, 244, 1961) is reported. For this type of reaction $E_0 = 0$ is valid since there is no anomalous threshold with respect to the energy variable. The singular integral equation

$$M(E) = M_0(E) + \frac{1}{\pi}\int_{E_0}^{\infty} \frac{M(E')h^*(E')}{E'-E-i\eta}\,dE', \qquad (1)$$

for a direct nuclear reaction of the type A + x → B + y has the following particular solution

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$$M(E) = M_0(E) + \frac{\rho^+(E)}{\pi} \int_0^\infty \frac{M_0(E')\,h^*(E')}{\rho^-(E')(E' - E - i\eta)}\, dE',$$
$$\rho^\pm(E) = \rho(E) \exp\{\pm i\delta^*(E)\}, \qquad (2),$$
$$\rho(E) = \exp\left\{\frac{E - E_0}{\pi} P \int_0^\infty \frac{\delta^*(E')}{(E' - E_0)(E' - E)}\, dE'\right\}.$$

This solution (which is the only one that vanishes for $M_0 \to 0$) agrees with the iteration series and at $h \to 0$ it goes over to $M_0(E)$. The lengthy calculations necessary for (2) are simplified by the effective interaction radius approximation $\tan \delta^*(E) = \sqrt{E}\, Q(E)/P(E)$ (3) which reduces the problem to determining only one quadrature. Q(E) and P(E) are arbitrary polynomials. The first iteration

$$M_1(E) = M_0(E)\, e^{-i\delta^*(E)}\, [\cos\delta^*(E) + 2i \sin\delta^*(E)] + \frac{1}{\pi} \mathrm{P} \int_0^\infty \frac{M_0(E')\, e^{-i\delta^*(E')} \sin\delta^*(E')}{E' - E}\, dE'. \quad (6)$$

differs strongly from the exact solution at the limit $P(E) \to 0$ ($\delta \to \pi/2$) of model (3). For the limit $Q(E) \to 0$ ($\delta \to 0$) of these two solutions

$$M(E) = e^{i\delta^*(E)} \left[M_0(E) \cos\delta^*(E) + \frac{1}{\pi} \mathrm{P} \int_0^\infty \frac{P(E)}{P(E')} \frac{M_0(E') \sin\delta^*(E')}{E' - E}\, dE' \right], \quad (5)$$

and (6) agree in first approximation with respect to $\sin\delta^*$ at $\tan\delta^* \sim \sin\delta^* \ll 1$. Therefore, $\sin\delta^* \ll 1$ (i.e. $h^*(E) \ll 1$) represents a sufficient condition for the applicability of (6). These considerations

L 10630-63 EWT(m)/BDS--AFFTC/ASD--AE

ACCESSION NR: AP3002271 S/0089/63/014/006/0586/0588

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AUTHOR: Kaminskiy, V. A.

TITLE: The study of mass transfer during isotope separation by methods of chemical exchange and distillation

SOURCE: Atomnaya energiya, v. 14, no. 6, 1963, 586-588

TOPIC TAGS: NO, HNO sub 3, BF sub 3, isotope separation, mass transfer process, chemical exchange method

ABSTRACT: Chemical exchange between NO and HNO sub 3 and distillation of BF sub 3 are two processes studied for the concentration of isotopes N sup 15 and B sup 10, respectively. During the isotope separation of boron by distilling BF sub 3, the resistance of mass transfer is concentrated in the gaseous phase. Increasing the load decreases the diffusion resistance and slows down the mass transfer process. During the concentration of isotope N sup 15 by the chemical exchange method, a significant part of the resistance is concentrated in the liquid phase. As long as the conditions of mass transfer in liquid in a given interval of reflux density remains fairly constant, an increase of the flow in the flask does not influence the general resistance. This explains the high values of the height of unit transfer G/aK obtained for the exchange process between NO and HNO sub 3, where G

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L 10680-63
ACCESSION NR: AP3002271

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is the density of the gas flow, a is the surface of the phase contact on a unit volume of the flask, and K is the coefficient of mass transfer. "The author is grateful to I. G. Gverdtsiteli for a criticism of the results, and to Yu. V. Nikolayev and Ye. D. Oniashvili for consultation during the process of carrying out the experiments." Orig. art. has: 3 formulas, 1 table and 2 figures.

ASSOCIATION: none

SUBMITTED: 09Jul62 DATE ACC: 12Jul63 ENCL: 00

SUB CODE: CO NO REF SOV: 002 OTHER: 001

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L 13561-63 EWT(m)/BDS AFFTC/ASD

ACCESSION NR: AP3003143 S/0056/63/044/006/2090/2099

55
51

AUTHOR: Kaminskiy, V. A.; Orlov, Yu. V.

19

TITLE: Direct nuclear reactions and interaction in initial and final states

SOURCE: Zhurnal eksper. i teor. fiziki, v. 44, no. 6, 1963, 2090-2099

TOPIC TAGS: direct nuclear reaction, initial state, final state, partial-reaction-amplitude, near-threshold behavior, compound nucleus resonance

ABSTRACT: A formal scheme is developed for taking into account the interaction in the initial and final states in direct nuclear reactions. Use is made of the unitarity of the S matrix and of the analytic properties of the reaction amplitude as a function of the energy. The solution of the singular integral equation for the partial reaction amplitude is found. It is shown that the presence of an essential singularity of the type e sup -ikR connected with the size of the nucleus, does not alter the result. The solution of the problem is presented in the form of a product of two factors, one of which contains all the singularities connected with the interaction in the initial and final states, while the singularities of the other are determined by the mechanism of the reaction. The function containing the singularities connected with the interaction is calculated for a

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rectangular well. The problem of the bound states of the system is considered. The solution for the partial reaction amplitude satisfies physical requirements that determine a unique solution, and has the correct behavior near threshold. The solution also takes into account compound-nucleus resonance effects in direct nuclear reactions. A boundary value problem which is equivalent to but more lucid than the dispersion method is proposed. "In conclusion we use this opportunity to express our sincere gratitude to Prof. I. S. Shapiro for his interest in this work and useful comments, and also to L. D. Blokhintsev and E. I. Dolinskiy for a discussion of the results." Orig. art. has: 41 formulas.

ASSOCIATION: Institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta (Institute of Nuclear Physics, Moscow State University)

SUBMITTED: 19Jan63 DATE ACQ: 23Jul63 ENCL: 00

SUB CODE: 00 NO REF SOV: 006 OTHER: 007

Card 2/2

KAMINSKIY, V.A., starshiy nauchnyy sotrudnik

Fundamental patterns and features in underground gravimetry. Izv. vys. ucheb. zav.; geod. i aerof. no.3:63-69 '64. (MIRA 18:3)

1. Institut fiziki Zemli AN SSSR.

formula.

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L 63815-65
ACCESSION NR: AP5008722

[illegible] gosudarstvennyy universitet, Vladivostok (Far East

Card 2/2

KAMINSKIY, V.A.; TIMASHEV, S.F.; TUNITSKIY, N.N.

Form of chromatographic peaks. Zhur.fiz.khim. 39 no.10:2540-2546 O '65. (MIRA 18:12)

1. Moskovskiy fiziko-khimicheskiy institut imeni Karpova.

L 36230-66 EWT(m)

ACC NR: AP6024518 SOURCE CODE: UR/0386/66/004/002/0064/0068

29
26
B

AUTHOR: Kaminskiy, V. A.

ORG: Physico-chemical Scientific Research Institute (Nauchno-issledovatel'skiy fiziko-khimicheskiy institut)

TITLE: Calculation of the direct reaction $C^{12}(n, n')C^{12*}(2+)$ by the dispersion method

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SOURCE: Zh eksper i teor fiz. Pis'ma v redaktsiyu. Prilozheniye, v. 4, no. 2, 1966, 64-68

TOPIC TAGS: neutron interaction, carbon, neutron scattering, inelastic scattering, angular distribution, small angle scattering

ABSTRACT: The author calculates by the dispersion method the angular distribution of inelastically scattered neutrons in the reaction $C^{12}(n, n')C^{12*}(2+)$ (E_n = 14 Mev), with allowance for the interaction in the initial and final states, i.e., without allowance for the effects of virtual scattering and of the scattering phase shift in the physical region. The amplitude corresponding to the triangular knock-on diagram is used as the initial approximation. It is shown that in this approximation the problem reduces to solution of the Omnes-Muskhelishvili equation for the partial amplitudes. The results of a numerical solution of this equation are then compared with the experimental data of R. Bouchez et al. (Nucl. Phys. v. 43, 628, 1963), and with results of calculations by the distorted-wave method. The results show that in the case in question the amplitude with allowance for the virtual-scattering effects can be ex-

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ACC NR: AP6024518

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pressed in terms of the initial amplitude and of the scattering phase shifts in the physical region without using a model for the scattering. On the other hand, the results do not exclude the possibility of explaining the experimental data at small angles by considering diagrams that do not take into account the virtual scattering and whose amplitudes differ from zero at zero angle. The author thanks I. S. Shapiro for interest in the work, A. A. Zhivotovskiy for the computer calculations, and Yu. V. Orlov for useful discussions. Orig. art. has: 2 figures and 3 formulas.

SUB CODE: 20/ SUBM DATE: 27Apr66/ ORIG REF: 002/ OTH REF: 002

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