KUNICKI - GOLDFINGER, WL.

F-1

Poland /Microbiology. General Microbiology.

Abs Jour: Referat.Zh.-Biol., No. 9, 1957, 35480

Author : Kunicki-Goldfinger, Wl.

Title : Changeability of Bacteria

Orig Pub: Acta microbiol. polon., 1954, 3, No. 3, 199-347

Abstract: A critical survey. The essence of the problem of changeability of bacteria is discussed in the 1st chapter. In the 2nd chapter the idea of the individual and specie is determined. The 3rd chapter is devoted to a classification of the types of changeability which the author divides into changeability of development, modification changeability, mutilization and hybridization. Variability of development-cytomorphosis

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Poland /Microbiology. General Microbiology.

Abs Jour: Referat.Zh.-Biol., No. 9, 1957, 35480

and heteromorphosis are analyzed in chapters 4 and 5. Under the latter, the author enumerates dissociation, reactive forms, and filtering and L-forms; he criticizes the opinions of Brown of dissociation as a manifestation of spontaneous mutations. In chapters 6-9, modification changeability is described-biochemical changeability, the formation of phago- and drug-resistant forms, variability of antigens, mutilations. The author considers all these forms adaptations. Also given is a criticism of the work of Louis, Ryan, Demerec, Luria, and Delbrook. In chapter 10 the problem of sex, transformation and hybridization in bacteria is discussed. Chapter 9 is devoted to the process of specie formation, in which, in the opinion of the author, modification changeability,

Poland /Microbiology. General Microbiology. F-1

Abs Jour: Referat.Zh.-Biol., No. 9, 1957, 35480

hybridization and selection plays a fundamental role. Included are 18 drawings and 21 photographs. A bibliography of 784 titles.

Card 3/3

KUNICKI-GOLDFINGER W

3

The hemolysin of Escherichia coli Wladyslaw Kunicki-Goldfinger, Stanislaw [illegible], and T. Fudo (Zaklad Mikrobiol. [illegible] 4 [illegible] ([illegible]).—No hemolysin (I) was found in cultures of 7 hemolytic strains of *E. coli*, grown under various conditions and in various media. Addn. of hemoglobin, stroma of erythrocytes, [illegible] the culture medium, and [illegible] with [illegible] bacilli [illegible] hydrolyzed [illegible] enzyme [illegible] Roberts

4327. **Influence of bacterial exotoxins on *Paramecium*.** W. Kunicki-Goldfinger and A. Marzec. *Acta microbiol. polon.* 1955, 4, 127—129. – The effect of culture filtrates containing toxins of *Clostridium welchii*, *Cl. botulinum* type A and type B, and *Corynebacterium diphtheriae* on *Paramecium aurelia* was studied. The filtrates after the inactivation of toxins and the incubated media had similar protistocidal properties to toxin-containing fluids.

B. Vinby.

KWIATKOWSKI, Z.; KUNICKI-GOLDFINGER, W.; LORKIEWICZ, Z.

Certain physiological properties of Proteus vulgaris L form.
Acta microb. polon 5 no.1-2:15-19 1956.

1. Z Zakladu Mikrobiologii Ogolnej UMCS w Lublinie.
(PROTEUS VULGARIS,
L form, physiol. (Pol))

KUNICKI-GOLDFINGER, W.; DYGDALA, K.; LAGOWSKA, M.; WIERCIENSKA, D.

Effect of lithium chloride on Escherichia coli and on other bacteria; preliminary communication. Acta microb. polon 5 no.1-2:33-40 1956.

1. Z Zakladu Mikrobiologii Ogolnej UMCS w Lublinie.
(LITHIUM, effects,
chlorides, on E. coli, Bacillus subtilis & Proteus (Pol))
(CHLORIDES, effects,
lithium chloride, on Bacillus subtilis, E. coli & Proteus (Pol))
(BACILLUS SUBTILIS, effect of drugs on,
lithium chloride (Pol))
(ESCHERICHIA COLI, effects of drugs on,
same)
(PROTEUS, effect of drugs on,
same))

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POLAND/Microbiology - General Microbiology.

Abs Jour : Ref Zhur - Biol., No 11, 1958, 47854

Author : Kunicki-Goldfinger, W., Dyglala, K., Lagowska, M., Wiercienska, D.

Inst : -

Title : Gonidial Bacteria.

Orig Pub : Acta Microbiol Polon, 5, no 1-2, 41-43 (1956) (in Polish with an English summary)

Abstract : Gonidial bacteria were isolated from the intestinal contents of small rodents and insectivora and cultured by the method of Odurer [TN: spelling uncertain] (Ann Inst Pasteur, 86, 395 (1954)). These bacteria form microcolonies on agar consisting of elementary bodies 0.2-0.3 μ in dian and in broth give a light opalescence. The addition of blood, serum, of yeast and liver extracts, and of intestinal contents extract from rodents did not change the character

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POLAND/Microbiology - General Microbiology . F-1

Abs Jour : Ref Zhur - Biol., No 11, 1958, 47854

of growth. On further transplantations the elementary bodies transform into diphtheroids 0.5-1.5 μ in size. On agar the latter form colonies resembling streptococci colonies and in broth they produce turbidity and a residue. The reverse transformation of diphtheroids into the gonidial forms could not be observed. The gonidial bacteria described are sensitive to penicillin, are very stable on storage, and retain their viability on dehydration or in broth for two years.

Card 2/2

KUNICKI-GOLDFINGER, W., ROWINSKI, S.

Some studies on the structure of bacterial colony. Acta Microb. polon. 6 no.4:321-330 1957

1. Z Zakladu Mikrobiologii Uniwersytetu Wroclawskiego i Zakladu Mikrobiologii Ogolney Instytutu Immunologii i Terapii Doswiadczalnej im. L. Hirszfelda we Wroclawiu Wplynelo dnia 1 wrzesnia 1957 r.

(BACILLUS, culture
growth & colony form (Pol))

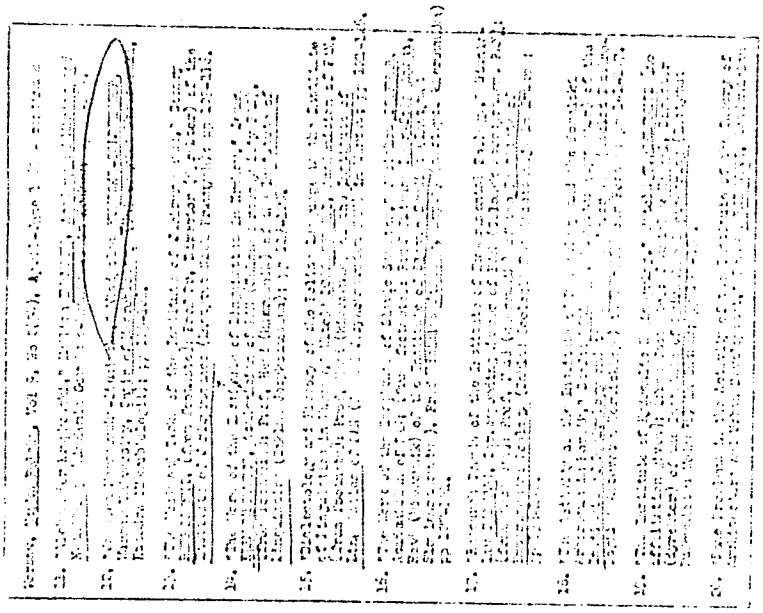
KUNICKI-GOLDFINGER, W.; DROZANSKI, W.; BLASZCZAK, D.; MAZUR, J.; SKIBINSKA, J.

Bacteria as food for soil amoebae. Acta Microb. polon. 6 no.4:331-344 1957.

1. Z Zakladu Mikrobiologii Uniwersytetu Wroclawskiego we Wroclawiu i Zakladu Mikrobiologii Ogolnej Uniwersytetu Marii-Curie-Sklodowskiej w Lublinie Wplynelo dnia 20 wrzesnia 1957 r

(AMOEBA, metabolism
soil bact. as food source, growth & develop (Pol))
(SOIL, microbiology
bact. as food source for amoeba, growth & develop. (Pol))

KUNICKI - GOLDFINGER, W.



KUNICKI-GOLDFINGER, W.

Bronislaw Niklewski (1879-1961) as a microbiologist. Acta microbiol. pol. 10 no.2:123-127 '61.

(MICROBIOLOGY hist) (BIOGRAPHIES)

KUNICKI-GOLDFINGER, Wladyslaw J. H.

Adaptive enzymes in the pathway of tryptophane synthesis in Escherichia coli. (Preliminary note). Acta microbiol. pol. 10 no.2:129-133 '61.

1. From the Department of Microbiology, The University, Wroclaw.

(ESCHERICHIA COLI metab) (TRYPTOPHAN metab)
(ENZYMES metab)

SKURSKI, Adam; SLOPEK, Stefan; KUNICKI-GOLDFINGER, Wladyslaw; MICHALSKA, Eugenia.

Studies on the mechanism of the phagocytic reaction. VII. Phagocytosis and S ~ R dissociation of Brucella bacilli. Arch. immun.ter.dosw. 8 no.3:389-394 '60.

1. Department of Mycology, Department of Bacteriology and Department of Microbial Genetics, Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Wroclaw.
(PHAGOCYTOSIS)
(BRUCELLA immunol)

KUNICKI-GOLDFINGER, Wladyslaw; KUNICKA-GOLDFINGER, Wladyslawa; przy wspolpracy technicznej KARUNOS, Zofii

Intestinal microflora of Sorex araneus araneus L. and Clethrionomys glareolus glareolus Schreb. in natural conditions. I. Quantitative and qualitative characteristics of the intestinal microflora. Acta microbiol. Pol. 11 no.1/2:43-75 '62.

1. Z Katedry Mikrobiologii Uniwersytetu Warszawskiego w Warszawie i Zakladu Badania Ssakow PAN w Bialowiezy.

(INTESTINES microbiol) (INSECTIVORA microbiol)
(RODENTS microbiol)

KUNICKI-GOLDFINGER, Wladyslaw; KUNICKA-GOLDFINGER, Wladyslawa

Intestinal microflora of Sorex araneus araneus L. and Clethrionomys glareolus glareolus Schreb. in natural conditions. II. General characteristics of separate strains. Acta microbiol. Pol. 11 no.1/2: 77-91 '62.

1. Z Katedry Mikrobiologii Uniwersytetu Warszawskiego w Warszawie.

(INTESTINES microbiol) (INSECTIVORA microbiol)
(RODENTS microbiol)

KUNICKI-GOLDFINGER, Wladyslaw; KUNICKA-GOLDFINGER, Wladyslawa

Intestinal microflora of Sorex araneus araneus L. and Clethrionomys glareolus glareolus Schreb. in natural conditions. III. Seasonal variations. Acta microbiol. Pol. 11 no.1/2:93-110 '62.

1. Z Katedry Mikrobiologii Uniwersytetu Warszawskiego w Warszawie i Zakladu Badania Ssakow PAN w Bialowiezy.

(INTESTINES microbiol) (RODENTS microbiol)
(INSECTIVORA microbiol) (WEATHER)

KUNICKI-GOLDFINGER, Wladyslaw J.H.; CZERWINSKA, Katarzyna

The environmental control of the conjugation in Escherichia coli K-12. II. The effect of temperature on effective pairs formation and on chromosomal transfer. Acta microbiol. Pol. 13 no.1:13-21 '64

1. From the Department of Microbiology, Warsaw University, Warsaw and the Microbiology Department, Wroclaw University, Wroclaw.

KUNICKI-GOLDFINGER, Wladyslaw J.H.; KUNICKA-GOLDFINGER, Wladyslawa.

Pasteurella-like microorganisms in small rodents. Acta microbiol. Pol. 13 no.4:341-347 '64

1. From the Department of Microbiology, the Warsaw University, Warsaw, Poland.

HERDA, M., inz. CSc.; CESAK, K., inz.; WEBER, B., inz.; VYHNANEK, V.,inz.; KUNICKY, L., inz.; SIMEK, J., inz.; PROSTREDNIK, K., inz.

Maps for area planning and records of the built constructions.
Geod kart obzor 10 no.9/10:232-235 O '64

KUNICKY, Ladislav, ing.

Aerial photogrammetry and railroads. Letecky obzor 8 no.3&
70-71 Mr'64

KUNICKY, Ladislav, inz.; VYHANANEK, Vlastimil, inz.

Use of ground photogrammetry for technical documentation. Geod kart obzor 9 no.8:210-213 Ag '63.

1. Ceskoslovenske statni drahy.

KUNIEV, S.

Preparation of machine-tractor stations for autumn and winter repairs of agricultural machinery. p. 1.

Vol. 6, no. 10, Oct. 1955
MASHINIZIRANO ZEMEDELIE
Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 1 Jan. 1956

KUNIEWICZ, Helena; BROKMAN, Jadwiga; JOKAJTIS, Maria.

Significance of hemato-cerebrospinal sugar index in tuberculous meningitis and encephalitis. Gruzlica 23 no.10:701-706 Oct 55.

1. Z I Kliniki Chorob Dziecięcych A.M. w Gdansku. Kierownik: prof. dr. med. H.Brokman. Gdansk, I Klinika Pediatryczna A.M. ul. Debinki 7a.

(TUBERCULOSIS, MENINGEAL, metabolism, carbohydrates, hemato-encephalic passage)
(HEMATO-ENCEPHALIC BARRIER, permeability of sugar in tuberc. meningitis)
(CARBOHYDRATES, metabolism, hemato-encephalic passage in tuberc. meningitis)

KUNIEWICZ, Helena

Intoxication with antistine in a 3-year-old child. Pediat.polska 30 no.6:575-576 Je '55.

1. Z Kliniki Chorob Dzieciecych A.M. w Gdansku. Kierownik: prof. dr med. H. Brokman Gdansk, Debinki 7a.
(ANTIHISTAMINICS, injurious effects, antazoline, in child)

KUNIEWICZ, Helena; SKARZYNSKA, Halina; ZYCHOWICZ, Czeslaw

Primary pneumonia in the course of varicella in children. Polski tygod. lek. 16 no.28:1074-1076 10 Jl '61.

1. Z I Kliniki Chorob Dzieci AMG w Gdansku; kierownik: prof. dr med. K. Erecinski.

(CHICKENPOX compl) (PNEUMONIA in inf & child)

KUNIEWICZ, Helena; LESIEWSKA, Jadwiga; ZYCHOWICZ, Czeslaw

Inflammation of the larynx and lower respiratory tract in measles in children. Pediat. pol. 37 no12:1289-1296 D '62.

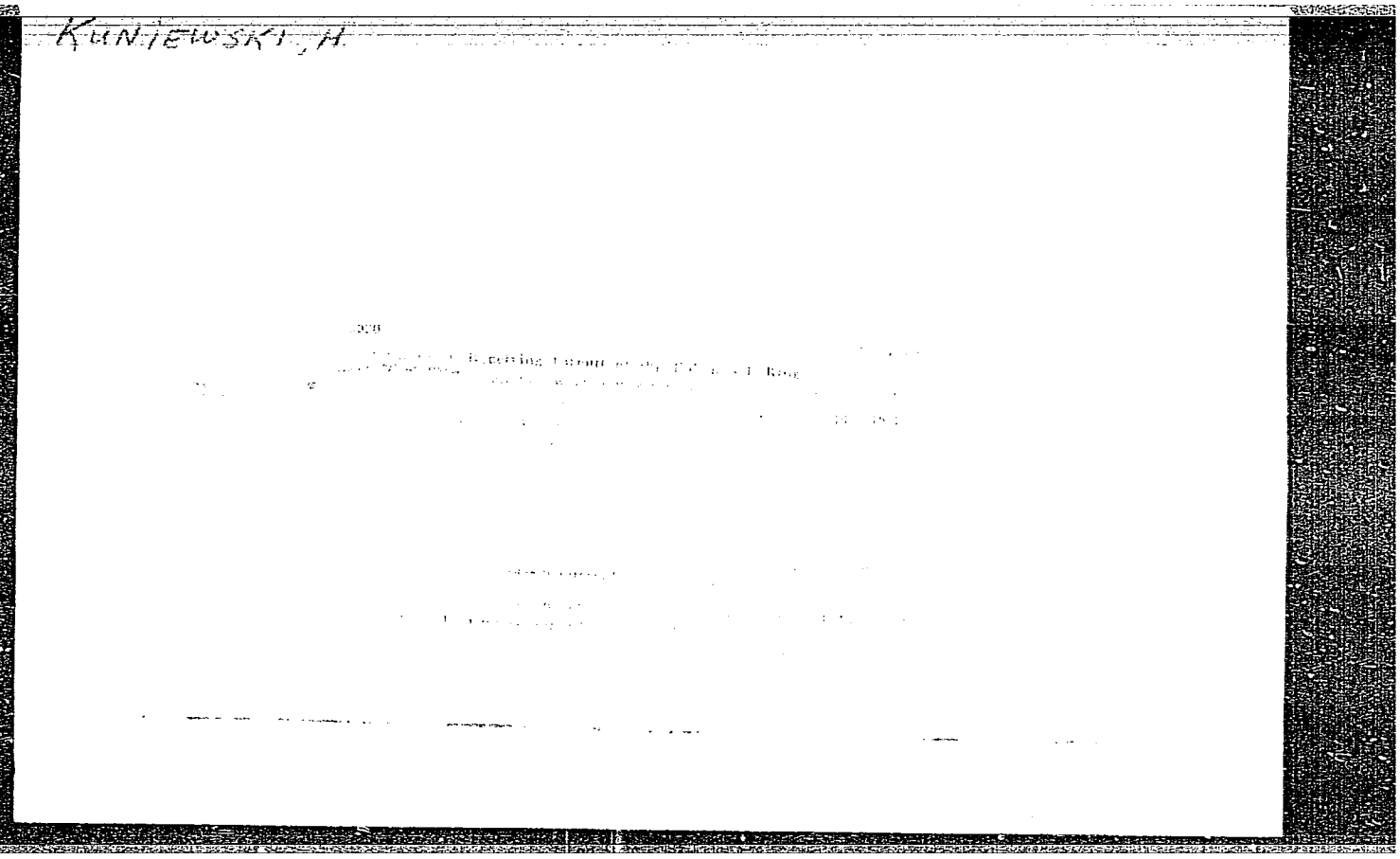
1. Z I Kliniki Chorob Dzieci AM w Gdansku Kierownik: prof. dr med. K. Erecinski.

(MEASLES) (LARYNGITIS) (TRACHEITIS) (BRONCHITIS)

KUNIEWICZ, Helena; SZPAKOWSKA-DANKO, Wanda; SZCZUROWA, Marta; KSIEZOPOLSKA, Alicja; KREJCZY, Halina

Acute diarrheal syndrome with ulcerative and necrotic intestinal changes in infants. Pediat. Pol. 39 no.12:1347-1352 D '64

1. Z I Kliniki Chorob dzieci Akademii Medycznej w Gdansku (Kierownik: prof. dr. med. K. Ereciński) i z Zakładu Anatomii Patologicznej Akademii Medycznej w Gdansku (Kierownik: prof. dr. med. W. Czarnocki [deceased]).



KUNIEWSKI, H

3692

621.314.21 621.315 621.392.2

Kuniewski H. **The *Effect of Power Transformers* on H. F. Current Flow in H. T. Power Lines.**

„Wpływ transformatorów mocy na rozpływ prądów wielkiej częstotliwości w liniach przemysłowych wysokiego napięcia". (Prace Przem Inst. Telekom No. 13—14). Warszawa, 1954, PWT, 13 pp., 21 figs., 1 tab.

The results of the measurements, in a case of a single-conductor coupling system, of real and imaginary components of the impedance of various power transformers in the frequency range from 20 kc/s up to 300 kc/s. Characteristics of power transformers were analysed in connection with those of typical double-frequency blocking chokes with an inductance of 0.15 mH. There is also a discussion of the attenuation introduced at the end of an H. F. line section by power transformers without blocking chokes. A new method of using H. F. blocking devices is explained. In conclusion, the paper gives the results of the measurements of attenuation caused by power transformers, inserted between different sections of H. F. transmission lines. The lowest attenuation values in the range 20 . 300 kc/s are recorded for both star and delta connection.

EE
MN

KUNIEWSKI, H.

Short-range unbalanced telemetric systems with self-inductive electric power.

p. 202
Vol. 28, no. 6, June 1955
PRZEGLAD TELEKOMUNIKACYJNY
Warszawa

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, no. 2
Feb. 1956

KUNIEWSKI, H.

Self-controlled telemetric systems. (To be contd.) p.272

PRFGLAD TELEKOMUNIKACYJNY. (Stowarzyszenie Elektrykow Polskich. Sekcja Telekomunikacyjna) Warszawa ., Poland
Vol.28, no.8, Aug. 1955

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

Uncl.

KUNIEWSKI, H.

Telemetric self-controlling systems. (Conclusion) p. 304

Vol. 28, no. 9, Sept. 1955

PRZEGLAD TELEKOMUNIKACYJNY. Warszawa.

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

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520016-9

[illegible]KI, H.

Directives for the grounding of conductors while repairing transmission lines used for high-frequency teletransmission. p. 420

PRZEGLAD TELEKOMUNIKACYJNY vol. 28, no. 12, Dec. 1955

Poland

SO. EAST EUROPEAN ACCESSIONS LIST vol. 5, no. 10 Oct. 1956

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000927520016-9"

22847

P/022/60/000/010/012/012
A222/A126

C. 4100

AUTHOR: Kuniewski, H., Docent

TITLE: Selective ringing equipment, ITR system

PERIODICAL: Przegląd telekomunikacyjny, no. 10, 1960, 326-328

TEXT: The Instytut Tele-i Radiotechniczny (Institute of Telecommunication and Radio Engineering) designed a radio intercommunication system with frequency-selective ringing, in which the master station uses 13 audio frequencies and the subordinate stations 2 audio frequencies each. The variation results in 78 combinations; thus, the system comprises 78 remote stations which, in turn, are set up into 13 groups of 6 stations each. Such arrangement permits to call each group of 6 stations by means of only 4 frequencies transmitted at the same time. The 13 frequencies were allocated within the range of 420-3,000 cps with an irregular spacing. A block diagram of the master station comprises: a) 5 variable-tuning, RC audio generators (4basic and 1 stand-by generator); b) output amplifier; c) cyclic ringing assembly; d) control and test board; e) power supply. It

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P/022/60/000/010/012/012
A222/A126

Selective ringing equipment, ITR system

has 78 push buttons for individual ringing of subordinate stations. The block diagram of a subordinate station is shown in Fig.3. The ready subordinate receiver is shown in Fig.4. Technical data of the transmitter: frequency range 420-3,000 cps; alignment accuracy ± 1 cps; frequency stability at a feed-voltage variation of ± 10% and temperature variation of ± 10°C and tube replacement is as good as ± 1 cps below 1,180 cps or 2% above 1,400 cps; amplitude stability under above conditions ± 3%; linear distortion under unfavorable conditions is lower than 2%; output resistance 600± 10%; maximum power drain 130 va. Technical data of the receiver: bandwith is ± 20 cps at 420 cps and ± 75 cps at 3,000 cps; maximum tolerable transmission level variation from about -0.8N (neper) to about +0.8N as measured against the 1,000 cps level; input resistance higher than 0.25 megohms; stand-by power drain 15 ma, on power drain 15 to 20 ma; dimensions 125 x 105 x 75 mm; weight 1.5 kg. There are 4 figures.

ASSOCIATION: Instytut Tele-i Radiotechniczny (Institute of Telecommunication and Radio Engineering)

P/022/61/000/003/002/002
A076/A126

9.8000

AUTHOR: Kuniewski, Henryk, Docent

TITLE: Transmitting sets of non-periodic impulse systems in long-distance telemetry

PERIODICAL: Przegląd Telekomunikacyjny, no. 3, 1961, 78 - 84

B

TEXT: After generally describing the main characteristics of non-periodic impulse systems, the author describes transmitting and receiving sets produced by the A.T.M. Strowger; the Bristol; the AEG; the L.M. Ericcson and the Landis Gyr Firms. The OLIZ transmitter, produced in the USSR, is also shown and its main parts described. There are 18 figures.

Card 1/1

KUNIEWSKI, Henryk, doc.

Instruments for personal paging. Prace Inst teletechn 6 no.3:85-90 '62.

1. Instytut Tele-i Radiotechniczny, Warszawa.

KUNIEWSKI, Henryk, doc.

"Carrier-frequency teletransmission of information over high-voltage networks" by H.K. Podszeck. Reviewed by Henryk Kuniewski. Przegl elektrotech 38 no.11:478 '62.

KUNIEWSKI, Henryk, doc.

A set of equipment for selective calling installations. Prace Inst teletechn 4 no.1:90-93 '60.

KUNIK, V.P., inzh.

Use of curved screens in coal preparation plants. Shor. inform po obog. i brik. ugl. no.4:61-63 '57. (MIRA 11:6)
(Coal preparation) (Screens (Mining))

KUNIK, V.P., inzh.

Improving coal properties for briquetting purposes at the Rhine briquet plant in Germany. Obog. i brik. ugl. no.6:63-66 '58. (MIRA 12:7)

(Germany, West--Briquets (Fuel))

KUNIK, V.P., inzh.

Increasing the efficiency of tubular steam driers by means of preliminary partial drying. Obog. i brik. ugl. no.7:74-76 '58. (MIRA 12:7)

(Coal--Drying) (Drying apparatus)

KURKIN, Yu.P., inzh.; KUNIK, V.P., inzh.

Graphic method of determining the results of coal crushing.
Obog.i brik.ugl. no.12:48-50 '59. (MIRA 13:6)
(Coal preparation)

ISAYEV, Ivan Nikolayevich; KUNIK, V.P., otv. red.; LOMILINA, L.N., tekhn. red.; SHKLYAR, S.Ya., tekhn. red.

[Concentrating tables]Kontsentratsionnye stoly. Moskva, Gos-torgizdat, 1962. 100 p. (MIRA 15:10)
(Ore dressing--Equipment and supplies)

KLIMANOV, Aleksey Dmitriyevich, kand. tekhn. nauk, dots.; RUDENKO, Konstantin Gerasimovich, kand. tekhn. nauk, dots.; KARPUKHIN, V.D., dots., retsenzent; OGLOBLIN, N.D., inzh., retsenzent; DREMAYLO, P.G., inzh., retsenzent; KUNIK, V.P., otv. red.; BOLDYREVA, Z.A., tekhn. red.

[Safety techniques and fire prevention in ore dressing and briquetting plants]Tekhnika bezopasnosti i protivopozharnaia tekhnika na obogatitel'nykh i briketnykh fabrikakh. Moskva, Gosgortekhizdat, 1962. 362 p. (MIRA 15:10)
(Coal preparation plants—Fire and fire prevention)
(Ore dressing—Safety measures)

KUNIK, Ya., kand. yurid. nauk

A firm asks for the floor. Sov. torg. 37 no.10:16-20 O '63.
(MIRA 17:1)

KUNIK, Ya., kand. yurid. nauk.

Accounting by means of checks. Sov. torg. no.3:54-56 Mr '58.
(Accounting) (Checks) (MIRA 11:2)

KUNIK, Yakov Abramovich; STARCHAKOVA, I.I., red.; BABICHEVA, V.V., tekhn.red.

[Legal forms for intracity accounts in Soviet state trade] Pravovye formy vnutrigorodskikh raschetov v sovetskoi gosudarstvennoi torgovle. Moskva, Gos.izd-vo torg.lit-ry, 1959. 61 p. (MIRA 12:6)

(Banks and banking)

KUNIK, Ya., kand.yurid.nauk

Delivery of goods and payment methods. Sov. torg. 33 no. 9:20-23 S '60. (MIRA 14:2)
(Delivery of goods) (Payment)

KUNIK, Ya.

Let's inculcate progressive forms of payments. Sov.torg. 35 no.4:26-28 Ap '62. (MIRA 15:4)
(Russia--Commerce) (Payment)

ANTIMONOV, B.S., prof.; VEDENIN, N.N., kand. yurid. nauk; GENKIN, D.M., prof.; GRAVE, K.A., prof.; YEPANESHNIKOV, N.V., dots.; ZHUKOVA, L.F., dots.; KUNIK, Ya.A., dots.; L'VOVICH, Yu.Ya.; MARGOLIN, M.Z.; MOROVSKAYA, T.A., dots.; POLENINA, S.V., kand. yurid. nauk; SADIKOV, I.N.; FIALKOV, M.A., kand. yurid. nauk; YAZEV, V.A., kand. yurid. nauk; YAKHNINA, N.A., kand. yurid. nauk; KIRAKOZOVA, N.Sh., red.; EL'KINA, E.M., tekhn. red.

[Government trade regulation] Regulirovanie gosudarstvennoi torgovli. Moskva, Gostorgizdat, 1963. 339 p. (MIRA 16:7)
(Commercial law)

TYPOVSKY, K., As. Dr; FARGAS, Ed., Dr; KUNIK, Z., MUC

Surgical treatment of intra-articular fractures of the condyle of the tibia with the aid of a clip. Acta chir orthop Cz 21 no.1: 8-14 F '54. (EEAL 3:8)

1. Z chirurgicke kliniky PU v Olomouci. Prednosta prof. MUDr Vlad. Rapant.

(TIBIA, fractures,
*intra-articular fract. of condyle, surg. reduction with metal clip)
(FRACTURES,
*tibia, intra-articular fract. of condyle, surg. reduction with metal clip)

BELIKOVICH, V.V.; KUNILOV, M.V.

Method for the quadratic transformation of signal amplitudes.
Prib. i tekh. eksp. 9 no.1:115-116 Ja-F '64. (MIRA 17:4)

1. Nauchno-issledovatel'skiy radiofizicheskiy institut
Gor'kovskogo gosudarstvennogo universiteta.

10

L 65295-65 EWT(d)/EWT(l)/FS(v)-3/FSS-2 TT/AST/GW

ACCESSION NR: AP5021255 UR/0293/65/003/004/0618/0629
629.195.2:621.39

AUTHORS: Getmantsev, G. G.; Kalashnikov, N. I.; Dykov, V. L.; Benediktov, Ya. A.; Yorukhimov, E. M.; Belikovich, V. V.; Bakhnin, V. M.; Kantor, L. Ya.; Korobkov, Yu. S.; Kunilov, M. V.; Litvakov, N. A.; Puzyrev, I. M.; Rapoport, V. O.; Sigalov, A. O.; Cherepovitskiy, V. A.; Akim, E. A.

TITLE: The results of an experiment on radio communications via "Echo 2" and the moon at a frequency of 162.4 megacycles between the observatories of Jodrell Bank and Zimenki

SOURCE: Kosmicheskiye issledovaniya, v. 3, no. 4, 1965, 618-629

TOPIC TAGS: moon, satellite communication, radio telescope, radio transmission, satellite tracking, scientific research coordination / Jodrell Bank radio telescope, Zimenki observatory radio telescope, BESM 2 electronic computer

ABSTRACT: During February-March 1964 the Academy of Sciences of the SSSR, NASA of the USA, and the General Post Office Department of Great Britain conducted an experiment to establish one-way radio communication at 162.4 megacycles via the passive satellite "Echo-2" and the moon. Echo-2 was used for 34 communication

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L 65295-65

ACCESSION NR: AP5021255

tests of 10-15 minutes (the time interval permitted by Echo's orbit), and the moon was used for 15 test runs between the Echo tests. The transmitting equipment at Jodrell Bank and the receiving unit of the Zimenki Observatory are described in detail. Echo orbit information furnished by NASA, visual observations, and radio tracking data from fixed stations were fed to a BESM-2 electronic calculator which provided programmed tracking control. The received signal exhibited strong fluctuations separable into two periods: 1) a 1-2 minute fluctuation associated with Echo-2 distortion from a sphere and with tracking errors; 2) a 3-10 second period associated with small surface irregularities. The rapid fluctuations varied with each test. Voice signals, slowed by a factor of 8, were barely intelligible. Telegraph, teletype, and photofacsimile transmission, in general, were unsatisfactory, but in periods of high signal-to-noise ratios intelligible messages were received. The moon transmissions were not as clear but did furnish scientific information. Unexpected transmission losses included 3-5 db for polarization losses and 1-2 db for unknown causes. The international cooperation was excellent, with the Soviet submitting a complete report. Offers for further cooperation have been extended. Orig. art. has: 3 tables, 7 figures, and 4 formulas.

ASSOCIATION: none

SUBMITTED: 18Apr65 ENCL: 00 SUB CODE: AA, EC

NO REF SOV: 000 OTHER: 002

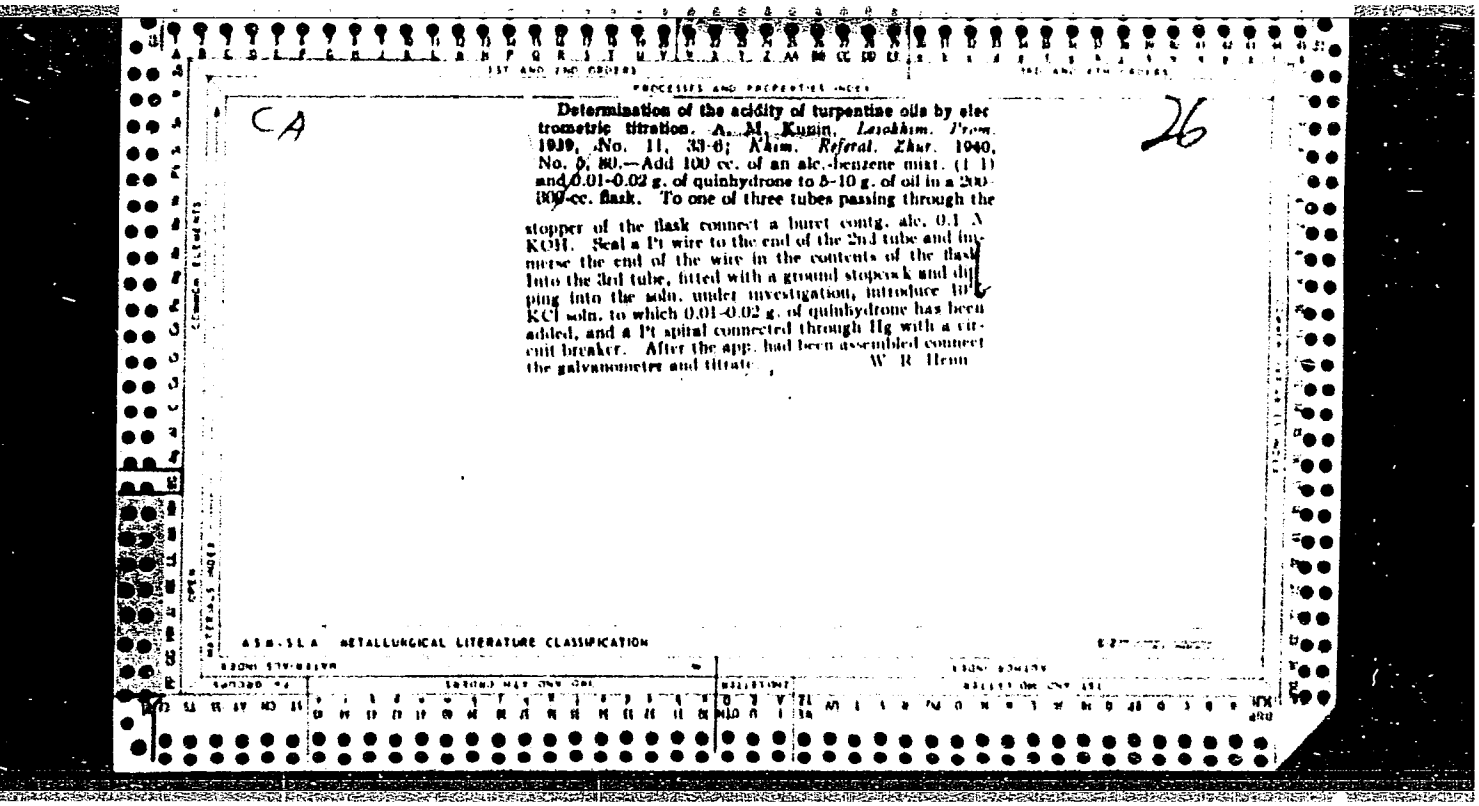
Card 2/2 mc

BOGATYREV, A.S., konstruktor zavoda, g.Irkutsk; MIKHAL'CHENKO, V.; TSUKASOV, I. (pos.Ili, Alma-Atinskoy obl.); KRYLOV, N.; SKRYABIN, A.; KUNILOV-SKIY, K., (Leningrad, Sinopskaya nab., 66, kv.5)

Advertisement board. Izobr. i rats. no.11:52-53 N '60.
(MIRA 13:10)

1. Leznikovskoye kar'yeroupravleniye, Zhitomirskoy obl. (for Mikhal'-chenko). 2. Predsedatel' pervichnoy organizatsii Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov, g.Ivanovo (for Skryabin).

(Technological innovations)



CA

26

Determination of the acidity of turpentine oils by electrometric titration. A. M. Kusin. *Lesokhim. Prom.* **1939**, No. 11, 33-6; *Khim. Referat. Zhur.* 1940, No. 5, 80.—Add 100 cc. of an alc.-benzene mixt. (1:1) and 0.01-0.02 g. of quinhydrone to 5-10 g. of oil in a 200-300-cc. flask. To one of three tubes passing through the stopper of the flask connect a buret contg. alc. 0.1 *N* KOH. Seal a Pt wire to the end of the 2nd tube and immerse the end of the wire in the contents of the flask. Into the 3rd tube, fitted with a ground stopcock and dipping into the soln. under investigation, introduce 10% KCl soln. to which 0.01-0.02 g. of quinhydrone has been added, and a Pt spiral connected through Hg with a circuit breaker. After the app. had been assembled connect the galvanometer and titrate.

W. R. Henn

A.S.M.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

KUNIN, A. M.

Riabtsev, N. I. General fuel technology; a textbook Moskva, Gos. nauch.-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1949. 326. p. (50-15032)

TP318.R5

KUNIN, A. M.

GOYKHRAKH, I.M.; KUNIN, A.M.

[Semicoking of coal] Polukoksovanie uglia. Moskva, Gos. nauchno-tekhn. izd-vo neftianoi i gorno-toplivnoi lit-ry, 1953. 193 p.
(Coke industry) (MLRA 7:8)

Kunin, A.M.

TURSKIY, Yu.I.; BRIK, A.N.; KUNIN, A.M.; GAL'PERN, Ye.M.

Determination of small quantities of butyl acetate in water.
Gaz.prom. no.9:11-13 S '57. (MIRA 10:10)
(Acetates--Analysis) (Water--Analysis)

(2) PHASE I BOOK EXPLOITATION SOV/3340

Kunin, Aleksandr Maksimovich, and Mark Ikhelevich Derbaremdiker

Tekhno-khimicheskiy kontrol' gazovogo proizvodstva (Technical and Chemical Control of Gas Production) Moscow, Gostoptekhizdat, 1958. 331 p. 3,000 copies printed.

Executive Ed.: Ye.S. Lozbyakova, Engineer; Tech. Ed.: A.S. Polosina.

PURPOSE: The book is intended for laboratory personnel in gas works and gas-generating plants.

COVERAGE: The book is an attempt at a systematized presentation of the problem of quality control in the production of gas. The following steps of the production process are treated: control of the quality of coal used for gasification; quality control in the processes of production, dehydration and purification of gas from tars and hydrogen sulfide; and control in the dephenolization and repurification of waste waters. D.A. Muravlev collaborated with the authors in writing Chapter 5. Chapter 4 was written

Card 1/13

Jointly by S.M. Golyand, T.K. Krapivina and M.M. Kuzmak.
There are 46 references: 45 Soviet and 1 German.

TABLE OF CONTENTS:

RAKOVSKIY, V.Ya., doktor tekhn.nauk; RIVKINA, Kh.I., kand.tekhn.nauk; KUNIN, A.M., kand.tekhn.nauk; MAYZENBERG, M.M., inzh.

Peat bakelites in the manufacture of sawdust boards. Torf. prom. 36 no.8:8-12 '59. (MIRA 13:3)

1. Kalininskiy torfyanoy institut (for Mayzenberg).
(Peat) (Phenol condensation products)

KUZ'MENKOV, L.N.; KUNIN, A.M.

Removal of water from peat and shale tars by the action of ultrasonic waves. Torf.prom. 37 no.7:19-22 '60. (MIRA 13:11)

1. Leningradskiy metrologicheskiy institut imeni D.I.Mendeleyeva (for Kuz'menkov). 2. Kalininskiy torfyanoy institut (for Kunin).
(Peat--Drying)
(Ultrasonic waves--Industrial applications)

MAYZENBERG, M.M., inzh.; RAKOVSKIY, V.Ye., doktor tekhn.nauk;
RIVKINA, Kh.I., kand.tekhn.nauk; KUNIN, A.M., kand.tekhn.nauk

Synthesis of resol resin by the condensation of peat phenols with formaldehyde in an oil medium. Torf. prom. 38 no.8:24-25 '61. (MIRA 14:12)

1. Kalininskiy torfyanoy institut (for Kunin).
(Phenol condensation products)
(Peat)

FEDOROV, N.A.; BELYANOVA, Ye.M.; GRIDNEVA, K.I.; RAKOVSKIY, V.Ye.; KUNIN, A.M.; YAKOBI, N.S.

Composition and ways of using the liquid products of underground gasification of coals. Nauch. trudy VNIIPodzemgaza no.8:95-103 '62. (MIRA 16:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut podzemnoy gazifikatsii ugley, Kalininskiy torfyanoy institut i Vsesoyuznyy nauchno-issledovatel'skiy institut udobreniy i agropochvovedeniya.

(Coal gasification, Underground--By-products)

KUNIN, A.V.

Favorable conditions of production guarantee success. Transp. stroi. 10 no.5:6-7 My '60. (MIRA 13:7)

1. Glavnyy inzhener Kontrol'no-proverochnogo punkta stroitel'stva Permstroyput' (for Kunin).
(Reinforced concrete)

KUNIN, B.A.

Extensive resection of the humerus with fibular substitution. Ortop. travm. i protez. 20 no.2:59 F '59. (MIRA 12:12)

1. Iz Tul'skogo garnizonnogo voyennogo gospitalya.
(HUMERUS, surg.
extensive resection, fibular substitution (Rus))
(FIBULA, transpl.
in extensive resection of humerus (Rus))

KUNIN, B.A., polkovnik med.sluzhby

Diagnosis, treatment, and late results of injuries to the meniscus of the knee joint. Voen.-med.zhur. no.2:38-40 F '60. (MIRA 13:5)

(KNEE wds. & inj.)

KOSTOGRYZOV, V.S., kand. tekhn. nauk; DIKIY, V.A.; ZEMLYANOY, N.G.; KUR'IN, B.Ya.; MIROSHNICHENKO, M.V.; REMENYAK, V.P.

Method for objective control of the intensity of carbon dioxide emission from a tub. Avtom. i prib. no.1:9-12 Ja-Mr '65. (MIRA 18:8)

KUNIN, B.Z., inzh.

Designing walls and slabs fixed on three sides only with the fourth unsupported. Prom.stroi. 38 no.3:60-62 '60.
(MIRA 13:6)

(Walls) (Concrete slabs)

KUMIN, D.; ANTONOVA, T. N.; RAKOVSKIY, V. Ye.

"Chemical and heat processing of peat."

Report submitted for the 2nd International Peat Congress, Leningrad 15-22 Aug 63.

PETROVSKIY, V., inzh.; KUNIN, F.

Improving the filter centrifuge for the removal of fat from a protein-water-fat mixture. Mias. ind. SSSR. 30 no.4:37-38 '59. (MIRA 12:12)

1.Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlennosti (for Petrovskiy).
(Poltava--Packing houses--Equipment and supplies) (Oils and fats)

KUNIN, G.L.; UGLOV, P.A., tekhnik

Measurement of capacities by means of the MVU-49 bridge.
Avtom. telem. i sviaz' 3 no.8:24-25 Ag '59. (MIRA 13:2)

1.Starshiy inzhener Laboratorii signalizatsii i svyazi Kuybyshevskoy dorogi (for Kunin). 2.Laboratoriya signalizatsii i svyazi Kuybyshevskoy dorogi (for Uglov).
(Electric measurements) (Bridge circuits)

SOV/124-58-7-7725

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 7, p 58 (USSR)

AUTHOR: Kunin, I.A.

TITLE: Contribution to the Hydrodynamic Theory of the Lubrication of a Thrust Bearing (K gidrodinamicheskoy teorii smazki pod-pyatnika)

PERIODICAL: Izv. vost. fil. AN SSSR, 1957, Nr 4-5, pp 128-137

ABSTRACT: The solution of the problem of the three-dimensional flow of a lubricant with varying viscosity in a thrust bearing is described concisely. The Reynolds equation and the approximated heat-balance equation are discussed, wherein the heat transfer through the walls of the thrust-plate and the thrust-bearing segment is accounted for approximately by a coefficient. In solving the Reynolds equation the author assumes the viscosity of the lubricant to be dependent upon the flow angle in the direction of the segment rotation. In this case there are two possible methods of solving the Reynolds equation. The first method consists in changing over to new variables, in which the equation does not change, but the viscosity is little dependent on the angle. By treating the viscosity as constant, the Poisson equation is

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Contribution to the Hydrodynamic Theory (cont.)

obtained, the solution of which does not present any difficulties. The newly obtained expression for the pressure distribution is substituted in the heat-balance equation, which serves to determine the value of the parameter entering into the relationship between the viscosity and the angle. The second method assumes that the relationship between the viscosity and the angle is expressed by means of a harmonic function. In this case the product of this function by the pressure also produces the Poisson equation. This method of solution is simpler (but less general) as compared to the first, and it is recommended for the calculation of the thrust bearings. A description of a calculation method is given with pertinent nomograms for a case when the ratio of the outer and the inner diameters of the thrust-bearing is 1.57.

A.I. Golubev

1. Thrust bearings--Lubrication 2. Thrust bearings--Hydrodynamic characteristics 3. Harmonic functions--Applications 4. Mathematics--Applications

AUTHOR: Kunin, I. A. (Novosibirsk) 24-10-23/26

TITLE: Solution of the Reynolds equation of the hydrodynamic theory of lubrication in the case of variable viscosity. (Resheniye uravneniya Reynol'dsa gidrodinamicheskoy teorii smazki pri peremennoy vyazkosti).

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1957, No.10, pp. 109-110 (USSR)

ABSTRACT: A method is described of solving the basic equation of the hydrodynamic theory of lubrication (Reynolds equation) for the case of variable viscosity, which is based on the following idea: the viscosity is approximated by an appropriate coordinate function which depends also on non-determined parameters, which have to be determined from the thermal balance equation, whereby the approximate function is so chosen that the Reynolds equation can be easily solved. The case of a thrust bearing is considered; the solution will be similar for a radial bearing.
There are 2 figures and 1 Slavic reference.

SUBMITTED: May 9, 1957.

AVAILABLE: Library of Congress.

Card 1/1

KUNIN, I. A., Cand Phys-Math Sci -- (diss) "Hydrodynamic theory of lubrication of [illegible] footstep bearings." [Novosibirsk], 1958. 12 pp (Len Polytechnic Inst im M. I. Kalinin, Acad Sci USSR, West-Siberian Affiliate), 110 copies (KL, 18-58, 95)

KUNIN, I.A.

Solving some classes of problems by analogy in an electrolytic tank.
Izv. Sib. otd. AN SSSR no.7:53-61 '58. (MIRA 11:9)

1.Zapadno-Sibirskiy filial AN SSSR.
(Electromechanical analogies)

SOV/24-58-10-29/34

AUTHOR: Kunin, I. A. (Novosibirsk)

TITLE: An Approximate Method for the Solution of Boundary Problems for Some Equations of Elliptical Type (Priblizhennyy metod resheniya granichnykh zadach dlya nekotorykh uravneniy ellipticheskogo tipa)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, 1958, Nr 10, pp 146-150 (USSR)

ABSTRACT: An account is given of an approximate method of solving boundary problems for equations of elliptical type to which many field problems may be reduced. Their solution is divided into two stages. In the first stage, the original equation with variable coefficients is reduced, using partial solutions of a homogeneous equation, to an equation with almost constant coefficients. In the second stage the latter equation is solved approximately by solving the corresponding equation with constant coefficients. As an example, the problem of lubrication of a bearing in the form of a sector of a circle is considered, the viscosity being variable and obeying a linear

Card 1/2

An Approximate Method for the Solution of Boundary Problems for Some Equations of Elliptical Type

law. The solution obtained is in agreement with that obtained by Mitchel (Ref.1) in a special case. There are 3 figures and 2 Soviet references.

SUBMITTED: June 3, 1957.

SOV/179-59-2-10/40

AUTHOR: Kunin, I. A. (Novosibirsk)

TITLE: On the Hydrodynamic Theory of Flat Film Lubrication with Respect to Viscosity and Temperature (Ploskaya zadacha gidrodinamicheskoy teorii smazki pri uchete zavisimosti vyazkosti ot temperatury)

PERIODICAL: Izvestiya Akademii nauk SSSR OTN, Mekhanika i mashinostroyeniye, 1959, Nr 2, pp 70-74 (USSR)

ABSTRACT: In this article lubrication of the bearings of hydrogenerators and ships' turbines is considered. The problem is illustrated in Fig 1, where ab - a segment resting on a point O , P - load, cd - resisting surface moving with velocity U_0 . The hydrodynamic equation is given as Eq (1.1) for the conditions (1.2). The equation of thermal equilibrium, in the range of temperatures between 30 to 70°C, is given as Eq (1.3), where μ_i - viscosity at the initial temperature, t - increase of temperature, T - temperature characterizing the relationship of μ and t . Assuming that most of the heat is taken with the grease, the above equation becomes Eq (1.4) where γ - specific weight of grease, c - heat conductivity, m - the coefficient ≈ 0.9.

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On the Hydrodynamic Theory of Flat Film Lubrication

When no t is considered the Eq (1.5) can be applied. If the expression of velocity is substituted in the third equation of the expression (1.1) and in the thermal equation (1.5), the Eqs (1.6), (1.7) and (1.8) are obtained, from which Eq (1.9) can be found. As η is not known, Eq (1.6) can be found as follows. The function $\mu(\xi, \alpha, \vartheta)$ for a constant ϑ and $\mu^{(o)}$ and $\mu^{(4)}$ are defined, then in the region of parameters α and ϑ the functions $\mu(\xi)$ increase from the value $\mu_i(1 + \vartheta)$. Thus Eq (2.1) can be defined. Fig 2 represents $\mu^{(o)}$ and $\mu^{(4)}$ for $\vartheta = 1$ and $\vartheta = 3$ which shows that μ is not affected by α. The function μ_L is also given. The viscosity can be calculated from the approximate Eq (2.2) (dotted line) which gives an accuracy of 3%. The characteristic coefficient of the minimum film thickness is defined as Eqs (2.3) and (2.4), and the eccentricity is given by Eq (2.5). The increase of temperature Δt can be found from Eq (2.6). In general, the problem is solved when the relations Π, H^2, Θ, ε, α and ϑ are

On the Hydrodynamic Theory of Flat Film Lubrication

determined. This can be done, for example, as follows. The following are given: dimension of the segment, velocity, initial temperature and type of grease; the following are found: relation of film thickness and increase of temperature at various loads and the eccentricity for their maximum values. Thus k, T and τ are known and p_m, h_o^2 and Δt are proportional to Π, H^2 and θ. Therefore, it is sufficient to determine H^2 and ϑ. This is illustrated in Figs 3 and 4, where $\Pi = \alpha = 0$ corresponds to the limit of possible value. The curve $\alpha = \text{const}$ in Fig 3 is shown as a dotted line. The relation of H^2 and θ to Π for $\varepsilon = \varepsilon_1$ can be determined from Eq (3.1). Similarly, the loss of power due to friction N can be determined from

On the Hydrodynamic Theory of Flat Film Lubrication

Eq (3.2). The effect of grease on the characteristics of the bearings (with given p_m, L, U_o and initial temperature of the grease) for $k \sim \mu_i$, $\Pi \sim \tau^{-1}$ can be shown as Eq (3.3) and the initial temperature of the grease, with other parameters constant, can be determined from Eqs (3.4) or (3.5). The relationship of the characteristic of the bearings to the velocity is defined as Eq (3.6). Fig 5 shows the function $\Pi(\alpha, \theta)$ for $v = 1$ and $\mathcal{S} = 3$ defined by the method of linear viscosity (a), mean viscosity (c) and from the results of this work (b). It shows that the least error is produced by the method described in this work. There are 5 figures and 2 references, of which 1 is Soviet and 1 English.

SUBMITTED: July 21, 1956.

67590

10.4000 SOV/179-59-5-9/41

AUTHOR: Kunin, I.A. (Novosibirsk)

TITLE: Contribution to the Theory of the Planetary Vibrator in an Infinite Fluid Medium

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Mekhanika i mashinostroyeniye, 1959, Nr 5, pp 48-52 (USSR)

ABSTRACT: High frequency mechanical vibrators of the planetary type without bearings are finding increasing favour in Russia. The design of certain types of such vibrators is described by L.P.Petrun'kin (Ref 1). The elementary theory of this type of vibrator for compacting a concrete mixture has been given in the same paper. The problem of the generation by the planetary vibrator of sonic waves in an infinite fluid medium is considered by the present author. The mechanical model investigated has a roller rotating under a constant external torque at a constant angular velocity. Simultaneously, the roller rolls without sliding along the internal surface of a hollow cylinder. The latter is so placed in an infinite, viscous, compressible fluid that it can take part in translational motion in a plane at right angles to the cylinder axis.

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Contribution to the Theory of the Planetary Vibrator in an Infinite Fluid Medium

In the steady state, the centres of gravity of the roller and the cylinder rotate at a certain angular velocity about a certain fixed point. This, in general, lies outside the straight line joining the roller and cylinder centres. Hence the oscillations of the roller and cylinder will have a phase difference other than direct opposition. The forces exerted by the fluid on the cylinder are first found, treating the plane problem only. Under certain conditions, defined by relations between the dimensions of the vibrating bodies, the frequency, speed of sound in the fluid and its kinematic viscosity (conditions which are fulfilled in all cases of practical interests), the fluid outside the vibrating body can be divided into two regions: (a) a thin layer containing vorticity, where the viscous forces are significant and (b) the region of sound waves. In the latter region, a velocity potential exists which satisfies the wave equation. To find this potential, the conditions of emission at infinity and the equality of the normal velocities of the fluid and the body at their boundary must be satisfied. In the boundary

Contribution to the Theory of the Planetary Vibrator in an Infinite Fluid Medium

layer, the tangential component of velocity satisfies an equation of the parabolic type and decays exponentially across the thickness of the layer. Its boundary condition is determined by the step of the tangential components of the velocity of the potential flow. The potential flow is found first. The velocity distribution and the friction force in the boundary layer are then determined. It is noted that the resistance caused by sound radiation is predominant in the range of medium frequency, where the losses caused by friction in the boundary layer are negligible. The power absorption of the vibrator is computed and the conditions for rolling without sliding of the roller in the cylinder are stated. There are 2 figures and 3 Soviet references.

SUBMITTED: May 11, 1959

Card 3/3

DYKHNE, A.M. ; KUNIN, I.A.

Determining the surface area of a convex body from its projections. Izv. Sib. otd. AN SSSR no.8:3-12 '59. (MIRA 13:2)

1.Institut radiofiziki i elektroniki, Institut gornogo dela Sibirskogo otdeleniya AN SSSR.

(Surfaces)

KUNIN, I.A.

Absolute minimum of one functional. Izv.Sib.otd.AN SSSR no.11:90-91 '59. (MIRA 13:4)

1. Institut gornogo dela Sibirskogo otdeleniya AN SSSR. (Functional analysis)

PHASE I BOOK EXPLOITATION SOV/4690

Kunin, Isaak Abramovich

Gidrodinamicheskaya teoriya smazki upornykh podshipnikov (The Hydrodynamic Theory of Lubrication of Thrust Bearings) Novosibirsk, Izd-vo Sibirskogo otd-niya AN SSSR, 1960. 129 p. Errata slip inserted. 1,000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Sibirskoye otdeleniye.

Resp. Ed.: B.V. Sudnishnikov, Candidate of Technical Sciences; Ed.: G.L. Ivanova; Tech. Ed.: A.F. Mazurova.

PURPOSE: This book is intended for technical personnel of the machine-building industry and workers of scientific research institutes.

COVERAGE: The book develops the hydrodynamic theory of lubrication of slider thrust bearings for steady operating conditions. Basic equations of this theory are analyzed, and new methods, which give partial consideration to the dependence of viscosity on temperature, are developed for solving these equations. Special attention is given to an investigation of the dependence of bearing characteristics on their design parameters. The suggested calculating method makes

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The Hydrodynamic Theory (Cont.) SOV/4690

possible the choice of optimum design parameters. Some methods for improving bearing characteristics are elaborated and may be used in the development of the thrust bearing theory. It is mentioned in the foreword that hydrogenerator thrust bearings for very high loads are constructed by the "Elektrosila" and "Uralelektroapparat" plants. The book was prepared at the request of the NTGZ (Novosibirsk Turbogenerator Plant), and computations and graphs necessary for the determination of characteristic coefficients were made in the calculation office of this plant by E.G. Kaluzhskaya. There are 74 references: 36 Soviet, 27 English, 10 German and 1 French.

TABLE OF CONTENTS:

Card 2/6

KUNIN, I.A. (Novosibirsk); KHON, V.G. (Novosibirsk)

Interaction of a vibrator and a bounded liquid medium. PMTF no.2:144-146 Jl-Ag 60. (MIRA 14:6)

1. Institut gornogo dela Sibirskogo otdeleniya AN SSSR i Novosibirskiy elektrotekhnicheskiy institut.
(Vibrators) (Hydrodynamics)

KUNIN, I.A.; KHON, V.F.

Theory of interaction of a vibrator with the absorbing fluid. Izv. Sib. otd. AN SSSR no. 11:136-139 '60. (MIRA 14:1)

1. Institut gornogo dela Sibirskogo otdeleniya AN SSSR i Novosibirskiy elektrotekhnicheskiy institut.
(Vibrations)

KUNIN, I.A.; RABKO, V.D.

Pendulum apparatus for determining the coefficient of rolling friction. Izv.Sib.otd.AN SSSR no.8:116-119 '61. (MIRA 14:8)

1. Institut gornogo dela Sibirskogo otdeleniya AN SSSR, Novosibirsk.
(Friction) (Pendulum)

ALABUZHEV, P.M.; KUNIN, I.A.; PETREYEV, A.M.; KHON, V.F.

Interaction of a submerged vibrator with an unlimited medium. Izv. Sib. otd. AN SSSR no.3:25-29 '62. (MIRA 17:7)

1. Novosibirskiy elektrotekhnicheskiy institut i Institut gornogo dela Sibirskogo otdeleniya AN SSSR, Novosibirsk.

KUHN, I.A. (Novosibirsk)

Internal stresses in an anisotropic elastic medium. Prikl. mat. i mekh. 28 no.4:611-621 Jl-Ag '64 (MIRA 17:8)

1. Institut teplofiziki Sibirskogo otdeleniya AN SSSR.

KUNIN, I.A.

Green's tensor for an anisotropic elastic medium with sources of internal stress. Dokl. AN SSSR 157 no.6:1319-1320 Ag '64. (MIRA 17:9)

1. Institut teplofiziki Sibirskogo otdeleniya AN SSSR. Predstavleno akademikom Yu.N. Rabotnovym.

KUNIN, Izyaslav Kopelovich; NIKULIN, S.Ye., kand. tekhn. nauk, retsenzent

[Ore drawing and haulage in underground mining] Vypusk i dostavka rudy pri podzemnoi dobyche. Moskva, Nedra, 1964. 196 p. (MIRA 17:9)