NAUMOV, B.I., KONYASHOV, V.V.

Lathes

Calculating the cutting method for multi-tool machines.
Avt.trakt.prom. No. 6, 19[illegible].

MONTHLY LIST OF RUSSIAN ACCESSIONS, LIBRARY OF CONGRESS, [illegible] 1952. UNCLASSIFIED.

NAUMOV, B.I.; KONYASHOV, V.V.

Examining cutting proccesses of multi-tool machines under operating conditions. Avt.trakt.prom. no.10:21-25 O '54.(MLRA 7:10)

1. Gor'kovskiy avtozavod im. Molotova.
(Milling machines)

Naumov, D.I.

123-1-669 D

Translation from: Referativnyy Zhurnal, Mashinostroyeniye, 1957, Nr1 p.101 (USSR)

AUTHOR: Naumov, D.I.

TITLE: Investigation and Determination of Most Favorable Cutting Methods for Multiple Tool Adjustments. (Issledovaniye i raschet optimal'nykh rezhimov rezaniya dlya mnogoinstrumentnykh naladok)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Candidate of Technical Sciences, presented at the Gor'kiy Polytechnical Institute, (Gor'kovsk. politekhn. in-t), Gor'kiy, 1956.

ASSOCIATION: Gor'kiy Polytechnical Institute (Gor'kovsk. politekhn. in-t)

Card 1/1

KONYASHOV, V.V.; NAUMOV, B.I.

Potential increase of the productivity of multispindle automatic lathes. Avt.i trakt.prom. no.5:33-38 My '56. (MLRA 9:8)

1. Gor'kovskiy avtozavod imeni Molotova.
(Lathes)

MAUMOV, B.I.; KONYASHOV, V.V.

Calculating the cutting efficiency of multi--tool lathes according to durability characteristics. Avt.i trakt.prom. no.12:31-33 D '56. (MLRA 10:2)

1. Gor'kovskiy avtozavod imeni Molotova.
(Lathes)

NAUMOV, B. I.

AUTHORS: Konyashov, V.V., and Naumov, B.I. 113-58-3-9/16

TITLE: Mechanical Processing of Aluminum Alloys (Mekhanicheskaya obrabotka alyuminiyevykh splavov)

PERIODICAL: Avtomobil'naya Promyshlennost', 1958, Nr 3, pp 29-31 (USSR)

ABSTRACT: In the production of small automobiles, like the Soviet "Volga", aluminum is mainly used. In this car 40 parts are made from aluminum e.g. the cylinder block, the piston, gear cases, bearing covers, various chassis parts, etc. The aluminum alloys mostly used are silumin AL4 for cast parts, duralyumin D1 for forged or turned parts, and a special heat-resistant copper-silicon alloy for the pistons. In the table, the chemical composition of these alloys is given. The mechanical processing of aluminum alloys is easier after tempering and aging. In this state the materials have a greater hardness and are less viscous. The higher heat conductivity permits higher speeds in the processing, but the extension of aluminum when heated is two times larger than in steel. The exactness in the processing is therefore lower. Measuring instruments are often made from materials with the same expansion factor as aluminum, to counterbalance this effect. For highly productive processing of

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aluminum alloys, cutting instruments of hard alloys are used. In turning, the front angle of the cutters is adjusted to 15-20°, the rear angle to 10-15°. The turning of soft alloys is carried out at a speed of 100 m/min, that of hard alloys at 60 m/min. The finishing work is done at 400 - 600 m/min with a depth of cutting of 0.1 - 0.25 mm. In milling, 0.02 - 0.1 mm per blade are removed at a speed of 600 - 1,000 m/min for hard-alloy cutters, and at 200 - 400 m/min for high-speed cutters. The boring of holes must be carried out under cooling at a ratio of 10 per min. The boring speed may be several times higher than in steel. In the threading of aluminum alloys their softness and plasticity must be considered. The twist drills must be at an angle of 25°, and their average diameter must be 0.01-0.02 mm lower than those used in steel threading. The stretching of aluminum alloys and the grinding of the cutting instruments offer some peculiarities of lesser importance. There is one table.

ASSOCIATION: Gor'kovskiy Avtozavod (Gor'kiy Automobile Plant)

AVAILABLE: Library of Congress

Card 2/2 1. Passenger vehicles-Production 2. Aluminum alloys-Applications

NAUMOV, B.I., kand.tekhn.nauk; KONYASHOV, V.V., inzh.

Determining feeds needed for form turning on automatic lathes. Vest. mash. 38 no.9:49-53 S '58. (MIRA 11:10)
(Lathes)

SOV/122-59-3-17/42

AUTHORS: Fel'dshteyn, E.I., Doctor of Technical Sciences, Professor, Naumov, B.I., Candidate of Technical Sciences, Konyashov, V.V., and Ryazanov, A.I.

TITLE: Machinability of Cold-Drawn Steels on Automatic Lathes (Obrabatyvayemost' kholodnotyanutykh staley na tokarnykh avtomatakh)

PERIODICAL: Vestnik Mashinostroyeniya, 1959, Nr 3, pp 57-61 (USSR)

ABSTRACT: Turning and drilling trials were carried out on a number of cold-drawn steels of types frequently turned on automatic lathes for making automobile components. The ends of the bars were face turned with varying rates of cross feed using a constant 5 mm width of cut. An average diameter, d_{cp}, for which a constant speed of cutting for a given number of revolutions would show the same tool wear as with the variable cutting speed actually experienced, was calculated from formula (1). The index, k, in this formula is the tangent of the slope of the curve for tool life versus number of revolutions, when plotted on a logarithmic scale. Graphs of Figs 1 and 2 were constructed for tool life (minutes) versus average cutting velocity (metres/min) for different steels and different rates of cross feed. Using the cutting speed

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SOV/122-59-3-17/42

Machinability of Cold-Drawn Steels on Automatic Lathes

at which a tool life of 100 minutes was obtained with the A.12 steel, at any given rate of feed, as an index equal to 1, the relative machinability of other cold-drawn steels can be compared as shown in Table 1. Formulae (3) and (4) give an approximate relation between cutting speed, tool life and cross feed for face turning of the A.12 or A.20 steels. Drilling tests were carried out similarly, but in this case for 20 minute life until the drill had become blunted by 0.7 mm; again using the A.12 steel as an index of 1, other steels are compared as shown in Table 2. Formulae (5) and (6) relate cutting speed to drill life, drill diameter and rate of feed. The tangential force on tools with straight, stepped, convex and concave profiles was measured when face turning at a constant speed of 30 metres/min. The results, expressed as force (kg) per mm of tool width, are tabulated for different rates of feed for various cold-drawn steels in Table 3. Force for the A.12 steel is about 25% less than for all other steels. Ball-bearing quality steel, ShKh-15, gave the best class of surface finish at rates of feed from 0.04 to 0.1 mm/rev. Finish deteriorates

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S OV/122-59-3-17/42

Machinability of Cold-Drawn Steels on Automatic Lathes

with increasing cutting speed from 10 to 40 metres/minute and then begins to improve again at higher cutting speeds.

There are 6 figures, 3 tables and 5 Soviet references.

Card 3/3

NAUMOV, B I

PHASE I BOOK EXPLOITATION SOV/4434

Fel'dshteyn, Emmanuil Iosifovich, Boris Ivanovich Naumov, Viktor Vasil'yevich Konyashov, and Leonid Alekseyevich Bykov

Rezhimy rezaniya na tokarnykh avtomatakh (Cutting Regimes for Operations On Automatic Lathes) Moscow, Mashgiz, 1960. 329 p. Errata slip inserted. 13,000 copies printed.

Managing Ed. for Literature on the Economics and Organization of Machine Building (Mashgiz): T. D. Saksaganskiy, Engineer; Ed.: I. I. Pinegin; Tech. Ed.: T. F. Sokolova.

PURPOSE: This book is intended for the technicians, designers, machine-operation time standard setters and foremen of mechanical shops, and also for the setup-men of automatic lathes.

COVERAGE: The book includes methods for calculating cutting regimes of single-and multiple-spindle automatic lathes. Reference data are given on recommended feeds and cutting speeds and on the kinematics and dynamics of the most popular models of automatic lathes. Standards for cams (of the multiple-spindle automatic lathes) and instructions for design (of single-spindle automatic lathes) are

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provided. The technique for calculations is illustrated with detailed examples. These data and standards are based on experimental studies conducted and put through practical tests at the Gor'kovskiy avtozavod (Gor'kiy Automobile Plant). No personalities are mentioned. There are 22 references, all Soviet.

TABLE OF CONTENTS:

MALYSHEVA, Natal'ya Vladimirovna; NAUMOV, Boris Konstantinovich; OSTINSKIY, Alekseey Yakovlevich; YARTSEV, G.Ye., otv.red.; LEYBOV, M.K., red.; KARABILOVA, S.F., tekhn.red.

[Direct system of automatization and operation of long-distance telephone communications] Nemedlennaia sistema ekspluatatsii i avtomatizatsiia mezhdugorodnoi telefonnoi sviazi. Moskva, Gos. izd-vo lit-ry po voprosam sviazi i radio, 1958. 53 p. (MIRA 12:3)

1. Zamestitel' nachal'nika TSentral'noy mezhdygorodnoy telefonnoy stantsii (for Malysheva). 2. Glavnyy inzhener Rizhskoy mezhdugorodnoy telefonnoy stantsii (for Naumov). 3. Glavnyy inzhener Leningradskoy mezhdugorodnoy telefonnoy stantsii (for Ostinskiy).
(Telephone)

NAUMOV, B.K., tekhnik

Remolding the gas layer combustion chamber. Energetik 8 no.6: 12-14 Je '60. (MIRA 13:7)
(Boilers--Design)

NAUMOV, B.K., master

Simultaneous burning of natural gas and coal. Energetik 8 no.7:18-20 Jl '60. (MIRA 13:8)
(Boilers) (Fuel)

NAUMOV, B.K.

Safe operating of natural-gas burners. Bezop.truda v prom. 5 no.7:28-29 Jl '61. (MIRA 14:6)

1. Master kotel'nogo tsekha L'vovskoy Gosdarstvennoy rayonnoy elektrostantsii.
(Gas burners—Safety measures)

NAUMOV, B.K.

Prevent pipe breakage in steam boilers. Bezop.truda v prom. 6 no.3:16-17 Mr '62. (MIRA 15:3)
(Steam pipes—Safety measures)

NAUMOV, P.K., tekhnik

Prevention of gas explosion in furnaces. Energetik 12 no.10:11-12 O '64. (MIRA 17:11)

NAUMOV, B. K., tekhnik

Our practice in preventing intercrystalline corrosion. Bezop. truda v prom. 6 no.9:20-21 S '62. (MIRA 16:4)

1. L'vovskaya gosudarstvennaya rayonnaya elektrostantsiya.

(Lvov—Boilers—Corrosion)
(Lvov—Electric power plants—Equipment and supplies)

NAUMOV, B.K., tekhnik

Use of a rotary air preheater. Elek.sta. 33 no.11:80-81 N '62. (MIRA 15:12)

(Boilers) (Air preheaters)

NAUMOV, B.K., tekhnik

Repair of the valve box of a steam turbine. Energetik 11 no.2: 10-11 F '63. (MIRA 16:3)

(Steam turbines--Repairing)

NAUMOV, B.K., tekhnik

Increase in the operational reliability of a thrust bearing.
Energetik 10 no.9:21-22 S '62. (MIRA 17:1)

NAUMOV, B.K., tekhnik

Damage of the water walls in a boiler. Energetik 11 no.11: 17-18 N '63. (MIRA 16:11)

NAUMOV, B.K.

Conversion of the trickling sprinkler of a cooling tower to spraying operation. Energ. i elektrotekh. prom. no.2:40-43 Ap-Je '64. (MIRA 17:10)

NAUMOV, B.K., tekhnik

Joint burning of pulverized coal and gas. Energetik 12 no.2:9-10 F '64. (MIRA 17:4)

NAUMOV, B.K., tekhnik

Our experience in the repair of gaspipes. Energetik. 13 no.4:18-19 Ap '65. (MIRA 18:6)

NAUMOV, Boris Nikolayevich, Tsypkin, Ya. Z.

"Investigation of the Regulation Process of Frequency and Power Transfer(?) in the System Moscow-Kuibyshev," Scientific Report of the IAT, USSR Acad. of Sciences, 1952.

NAUMOV, Boris Nikolayevich, Meyerov, M V; Tsypkin, Ya Z; Shelounova, L G; Fomia, E N

"Investigation of the Velocity Regulation Process in the System Moscow;Kuibyshev, with Special Reference to the Phenomenon of the Retardation in the Kuibyshev Hydroturbine," Scientific Report of the Inst. of Automation and Telemechanics, USSR Acad of Sciences, 1952.

MAUTOV, Boris Nikolayevich, Meyerov, M. V., Tsypkin, Ya. Z.; Fomin, A. N.

"Study of the Frequency Regulation Process in the System Moscow-Kuybyshev," Scientific Report of the Inst of Automation and Telemechanics, USSR Acad of Sciences, 1952.

NAUMOV, Boris Nikolayevich

"Approximate Method for the Construction of Transient Phenomena in Nonlinear Systems of Automatic Regulations," Scientific Report of the I/T USSR Acad. Of Sciences, 1953.

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The Influence of the Interaction of the Derivatives with Respect to Frequency and Amplitude of Self-Oscillations (?) in Regulatory Processes," Article in Book, COLLECTION OF STUDIES ON AUTOMATION AND TELEMECHANICS, published by the ACAD. of Sciences of USSR, 1953.

NAUMOV, B. N.

Naumov, B. N., "The Effect of Derivative Influences on the Frequency and Amplitude of Auto-Oscillation in Regulation Systems," in the book Sbornik rabot po avtomatike i telemekhanike, Moscow, 1952, Pages 5-17, 14 figures; bibliography, 5 items.

NAUMOV, B. N.

Naumov, B. N., "Certain Methods of Increasing the Speed of Action of Automatic Regulation Systems with the Aid of Nonlinear Reverse Connections," in book, Chetvertya nauchno-tekhnicheskaya konferentsiya VZEI [VEEI 1952-1953 uchenogo goda [Fourth Scientific and Technical Conference of the VEEI, Academic Year 1952-1953], subjects of reports, Moscow, 1953, Page 31.

B. N. NAUMOV,

The Fifth Scientific and Technical Conference was conducted in May 1954 at VZEI (All-Union Correspondence Power Engineering Institute). Among the 28 reports delivered was: "Application of Nonlinear Elements to Improve the Operation of Dynamic Systems Utilizing Automatic Controls", by B. N. NAUMOV.

SO: [redacted] Summary #307, 15 Dec 1954, [redacted]

NAUMOV, Boris Nikolayevich

"Development of an Approximate Method for the Construction of Transient Processes in Nonlinear Systems of Automatic Regulation," Scientific Report of the IAT, USSR Acad. of Sciences, 1954.

NAUMOV, Boris Nikolayevich; Petrov, B. N.

"The Second All-Union Conference on the Theory of Automatic Regulation," Article in JOURNAL of Automation and Telemechanics, #1, 1954.

NAUMOV, B. N.

FD-625

USSR/Scientific Organization

Card 1/1 : Pub. 41 - 17/17

Author : Raskatov, V. M., Petrov, B. N., Naumov, B. N. Baron, L. I., Kalashnikova, P. Ya., and Kharkevich, A. D.

Title : In the scientific institutions of the Department of Technical Sciences of the Academy of Sciences of the USSR

Periodical : Izv. AN SSSR, Otd. tekh. nauk, 2, 111-128, Feb 1954

Abstract : Describes activity of various scientific institutions in five articles: 1. Conference on Automation of Technological Processes in Machine Building, pp 111-116. Report on conference conducted in 1953. Gives authors, titles, and abstract of reports presented. 2. Second All-Union Conference on the Theory of Automatic Regulation, pp 117-122. Gives authors, titles, and abstracts of reports. 3. Discussion of results of research on use of wetting agents for combatting mine dust, pp 123-124. Report on December 1953 meeting of Commission for Prevention of Silicosis. Gives titles, authors, abstracts of reports on wetting agents used for removal of dust from mine air. 4. Seminar on the Theory of Machines and Mechanisms of the Institute of Machine Building of the Academy of Sciences of the USSR, pp 124-126. Gives authors, titles and abstracts of some reports discussed in 1953. 5. Seminar of the Laboratory for Developing Scientific Problems of Wire Communication of the Academy of Sciences of the USSR, pp 126-128. Report on second half of 1953. Gives authors, titles, and abstracts of reports.

NAUMOV, B.N.

PETROV, B.N.; NAUMOV, B.N.

Second All-Union conference on the theory of automatic control. Izv. AN SSSR Otd.tekh.nauk no.2:117-122 F '54. (MLRA 7:7)

1. Chlen korrespondent AN SSSR (for Petrov)
(Automatic control)

NAUMOV, B. N.

PETROV, B.N.: NAUMOV, B.N.

Second All-Union conference on the theory of automatic control. Avtom. i tlelm. 15 no.1:90-96 Ja-F '54. (MLRA 10:3)
(Automatic control)

NAUMOV, B. N.

"Chronicles. All-Moscow seminar on automatic regulation theory", Avtomatika i Telemekhanika, Vol 15, No 3,4,5 1954

Abs

W-31148, 7 Feb 55

NAUMOV, B.N.

PETROV, B.N.; NAUMOV, B.N.

Scientific principles of automatic control (meeting on the theory of automatic controls). Vest.AN SSSR 24 no.3:88-94 Mr '54. (MLRA 7:3)

1. Chlen-korrespondent Akademii nauk SSSR (for Petrov). (Automatic control)

NAUMOV, B. N.

"Approximate Method of Designing Automatic Regulation System Containing Nonlinear Elements," Acad Sci USSR, Inst Automation and Telemechanics, Moscow, 1955
(Dissertation for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis', No. 32, 6 Aug 55

NAUMOV, B.N.

AYZERMAN, M.A., dokt. tekhn. nauk, redaktor; VORONOV, A.A., kandidat tekhn. nauk, redaktor; KOGAN, B.Ya., kandidat tekhn. nauk, redaktor; KOTEL'NIKOV, V.A., kandidat tekhn. nauk, redaktor; LETOV, A.M., dokt. fiz.-mat. nauk, redaktor; LOSSEVEVSKIY, V.L., dokt. tekhn. nauk, redaktor; KHRAMOY, A.V., kand. tekhn. nauk, redaktor; TRAPEZNIKOV, V.A., redaktor; MEYEROV, M.V., dokt. tekhn. nauk, redaktor; NAUMOV, B.N., redaktor; PETROV, B.N. redaktor; SOLODOVNIKOV, V.V., dokt. tekhn. nauk, redaktor; TSYPKIN, Ya.Z. dokt. tekhn. nauk, redaktor PEVZNER, R.S., tekhn. redaktor.

[Proceedings of the Second All-Union Conference on the Theory of Automatic Control.] Trudy Vtorogo Vsesoiuznogo soveshchaniia po teorii avtomaticheskogo regulirovaniia. Moskva, Izd-vo Akad. nauk SSSR. [Vol. 1 Problem of continuous and periodic operations in the theory of automatic control] Vol.1 Problema ustoichivosti i periodicheskikh rezhimov v teorii avtomaticheskogo regulirovaniia. 1955. 603 p. (MLRA 8:8)

1. Chlen korrespondent AN SSSR (for Trapeznikov, Petrov) 2. Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki.

NAUMOV, B.N

AYZERMAN, M.A., doktor tekhnicheskikh nauk, redaktor; VOROMOV, A.A., kandidat tekhnicheskikh nauk, redaktor; KOGAN, B.Ya., kandidat tekhnicheskikh nauk, redaktor; KOTEL'NIKOV, V.A., kandidat tekhnicheskikh nauk, redaktor; LETOV, A.M., doktor fiziko-matematicheskikh nauk, redaktor; LOSSIYEVSKIY, V.L., doktor tekhnicheskikh nauk, redaktor; MEYEROV, M.V., doktor tekhnicheskikh nauk, redaktor; NAUMOV, B.N., redaktor; PETROV, B.N., redaktor; SOLODNIKOV, V.V., doktor tekhnicheskikh nauk, redaktor; TRAPEZNIKOV, V.A., redaktor; KHRAMOY, A.V., kandidat tekhnicheskikh nauk, redaktor; TSYPKIN, Ya.Z., doktor tekhnicheskikh nauk, redaktor; PEVZNER, R.S., tekhnicheskiy redaktor.

[Transactions of the Second All-Union Conference on the Theory of Automatic Control. Trudy vtorogo Vsesoiuznogo soveshchaniia po teorii avtomaticheskogo regulirovaniia. Moskva. Vol.2 [Problem of quality of dynamic precision in the theory of automatic control] Problema kachestva i dinamicheskoi tochnosti v teorii avtomaticheskogo regulirovaniia. 1955. 536 p. [Microfilm] (MLRA 9:1)

1. Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki. 2. Chlen-korrespondent AN SSSR (for Petrov and Trapeznikov) (Automatic control).

NAUMOV, B.N.

AYZERMAN, M.A., doktor tekhnicheskikh nauk, redaktor; VORONOV, A.A., kandidat tekhnicheskikh nauk, redaktor; KOGAN, B.Ya., kandidat tekhnicheskikh nauk, redaktor; KOTEL'NIKOV, V.A., kandidat tekhnicheskikh nauk, redaktor; LETOV, A.M., doktor fiziko-meditsinskikh nauk, redaktor; LOSSIYEVSKIY, V.L., doktor tekhnicheskikh nauk, redaktor; MEYEROV, M.V., doktor tekhnicheskikh nauk, redaktor; NAUMOV, B.N. redaktor; PETROV, B.N., redaktor; SOLODNIKOV, V.U, doktor tekhnicheskikh nauk, redaktor; TRAPEZNIKOV, V.A., redaktor; KHRAMOY, A.V., kandidat tekhnicheskikh nauk, redaktor; TSYPKIN, Ya.Z., doktor tekhnicheskikh nauk, redaktor; VORONOV, A.A., redaktor; PEVZNER, R.S., tekhnicheskiy redaktor.

[Proceedings of the Second All-Union Conference on the theory of automatic control] Trudy vtorogo Vsesoyuznogo soveshchaniia po teorii avtomaticheskogo regulirovaniia. Vol. 3 (Methods and means of [redacted]) experimental research on systems of automatic control. Bibliography on the theory of automatic control and related problems) Metody i sredstva eksperimental'nogo issledovaniia sistem avtomaticheskogo regulirovaniia. Bibliografiia po teorii avtomaticheskogo regulirovaniia i smezhnym voprosam. 1955. 351p. (MIRA 9:1)

1. Chlen-korrespondent AN SSSR (for Petrov, Trapeznikov) 2. Vsesoyuznoye [redacted] soveshchaniye po teorii avtomaticheskogo regulirovaniya 2nd, Moscow, 1953.
(Automatic control)

NAUMOV, B.N.

BABAKOV, N.A., professor; TSYPKIN, Ya.Z., professor; SHUMILOVSKIY, N.N., professor; RATIN, S.L., kandidat tekhnicheskikh nauk; POPEDV, S.L., kandidat tekhnicheskikh nauk; NAUMOV, B.N., inzhener.

"Elements of the theory of automatic control." A.A.Voronov. Reviewed by N.A.Babakov and others. Elektrichestvo no.5:87-88 My '55. (MLRA 8:6)
(Automatic control) (Voronov, A.A.)

NAUMOV, Boris Nikolayevich

Approximate Method for the Construction of Transient Process in Nonlinear System of Automatic Regulation," Collection of studies on Automation and Telemechanics, publ. by Acad. of Sciences, 1956.

NAUMOV, B. N. Cand. Tech. Sci.

"The Approximate Method of Calculation of Transient Processes in Automatic Control Systems with Non-Linear Elements," a paper read at the Convention on Control Technique, Heidelberg, 24-29 Sep 56.

Inst. Automatics and Telemechanics, Moscow

SOV/124-57-8-8655

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 8, p 13 (USSR)

AUTHOR: Naumov, B. N.

TITLE: Approximate Method for the Construction of Transitional Processes in Nonlinear Automatic Control Systems (Priblizhennyy metod postroyeniya perekhodnykh protsessov v nelineynykh sistemakh avtomaticheskogo regulirovaniya)

PERIODICAL: Sb. rabot po avtomatike i telemekhan. Moscow, AN SSSR, 1956, pp 52-68

ABSTRACT: The author sets forth an approximate grapho-analytical construction of transitional processes in nonlinear systems containing one nonlinear element. The construction is based on a convolution integral which is replaced by approximate expressions obtained either by the rectangle or the trapezoid formula. The form of the transitional process of the linear part of the system, taken separately, is assumed to be known. Two examples of systems described by nonlinear second-order equations are examined.

Ye. P. Popov

Card 1/1

NAUMOV, Boris Nikolayevich

"Synthesis of Nonlinear Systems of Automatic Regulation," (Same as above) probl. in Proceedings of the Conference on the Application of Computing Devices in Systems of Automatic Regulation held at Atlantic City, 1957.

NAUMOV, Boris Nikolayevich

"Synthesis of Nonlinear Systems of Automatic Regulation," Chapter 4 in book PROBLEMS IN THE THEORY OF NONLINEAR SYSTEMS OF AUTOMATIC REGULATION, which is part of the series, "Achievements of Science," publ. by Acad. of Sciences, 1957. (Book has been translated and printed in UK.)

SUBJECT USSR / PHYSICS CARD 1 / 2 PA - 1995

AUTHOR LETOV,A.M., NAUMOV,B.N., RACZEV,V.A., CYPKIN,JA.Z.

TITLE The Congress on Automatic Control Held at Heidelberg (German Federal Republic).

PERIODICAL Avtomatika i telemechanika 18, fasc.1, 93-96 (1957)
Issued: 2 / 1957

This congress took place from the 25.9.1956 to the 29.9.1956 at Heidelberg and was organized by the department for control technics (president Dr.Grebe) of the Society of German Electrotechnic/Engineering (VDE/VDI). The congress was attended by scientists of international repute. Most of the participants, practicians and theoreticians came from Western Germany. The USSR was represented by a delegation of the Institute for Automatics and Telemechanics of the Academy of Science in the USSR under the leadership of A.M.LETOV. The Soviet delegation had the following instructions: a) to take part in the congress, b) to establish contact with foreign scient .ts taking part in the congress as well as with technical engineering circles, c) to visit several firms. Soviet cooperation in the congress consisted in: a) lectures held by Soviet delegates, answering as well as asking questions in the course of discussions, b) participation in discussions concerning lectures delivered by delegates of other countries.

Organisation and work performed by the congress are both described as being good. The texts of the total of about 70 original lectures were submitted to the organizing committee already before the congress was opened; they were

printed 6 - 8 weeks in advance and were sent to all participants. This made it possible to study all details closely up to the control of computations and calculations, which made discussions particularly interesting. After the congress was opened plenary lectures were delivered: The following 11 departments were organized: 1.) Technical means of automatics, 2.) reciprocally coupled control, 3.) linear methods in the theory of control, 4.) the automatized factory, 5.) determination of nonlinear processes by means of frequency methods, 6.) nonlinear and interrupted control systems, 7.) the control of boilers, 8.) optimum tuning and quality of control, 9.) control in industry, 10.) statistical methods of control, 1.) computers (counting machines) in control technics. Among others the following problems were discussed: The application of nonlinear elements and computing devices on control systems, the use of counting machines (?) for the computation of automatic systems, the determination of the dynamic characteristics of objects from the data obtained on the basis of normal work. The themes of some works are mentioned.
The following aims were formulated for the organization of an International Federation of Specialists on Automatic Control: 1.) Exchange of information concerning the automatic control among individual member states, 2.) Organization of international congresses on automatic control every four years.
A committee which was charged with the task of preparing the organization of this federation was formed.
INSTITUTION:

NAUMOV, B. N.

"Works in Theory of Optimum Systems."

reports presented at 13th Annual Instruments and Automation Exhibit and Conference, Philadelphia, 15 - 19 Sep 58.

Comments: B-3,115,266

NAUMOV, B.N.

103-2-8/9

AUTHORS: Letov, A. M., Naumov, B. N.

TITLE: International Federation for Automatic Control (IFAK) (Mezhdunarodnaya federatsiya po avtomaticheskomu upravleniyu (IFAK))

PERIODICAL: Avtomatika i Telemekhanika, 1958, Vol. 19, Nr 2, pp. 189-191 (USSR)

ABSTRACT: In September 1956 the International Congress for Automation took place at Heidelberg. The congress was called by the group for control engineering of the VDI/VDE (Society of German Engineers, Düsseldorf). 1000 representatives from 18 countries were present. A short survey is given on the preparatory works for the foundation of the IFAC and then a short report is also given on the meeting of the preparatory committee of the IFAC, which took place from September 9th to 10th, 1957. The report also covers the meetings of the General Assembly on September 10th, 11th and 12th, 1957, as well as the first meeting of the executive committee of this society.

Card 1/2

103-2-8/9

International Federation for Automatic Control (IFAK)

AVAILABLE: Library of Congress

1. International Federation for Automatic Control-Conference

Card 2/2

NAUMOV B. N.

30-1-2/39

AUTHORS: Letov, A. M., Professor.
Naumov, B. N., Candidate of Technical Science

TITLE: General Meeting of the International Federation for Automatic Control (IFAC) (General'naya assambleya Mezhdunarodnoy federatsii po avtomaticheskomu upravleniyu (IFAK)

PERIODICAL: Vestnik AN SSSR, 1958, Vol. 28, Nr 1, pp. 108-108 (USSR)

ABSTRACT: This general meeting took place in Paris from September 10 - 12, 1957. The idea of creating such a federation came from the American scientist R. Oldenburg who suggested it at the International Congress at Heidelberg (German Federal Republic) in September 1956. A committee for preparatory works was then elected which worked out the articles of the IFAC. There were two more meetings of this preparatory committee: on April 25 - 27, 1957 in Düsseldorf and on September 9 - 10, 1957 in Paris. A general meeting elected the following executive committee : President - G. Chestnat (USA), First Vice-President - A. M. Letov (USSR), Second Vice-President - V. Broyda (France), General Secretary - G. Ruppel (German Federal Republic), Le[illegible]n (France), P.

Card 1/2

General Meeting of the International Federation for Automatic Control (IFAC) 30-1-26/39

Novatskiy (Poland), Gerike (Switzerland), Koals (England), Tsyan' Syue - sen' (China), Evangelisti (Italy), Aynbinder (Belgium). The meeting decided to convene the First International Congress of the IFAC to Moscow in 1960. The Executive Committee discussed the program of this first congress as well as the formation of a group of consultants on scientific problems. The design of the program of this congress to come provides 3 directions of work: theory and methods of automatic control, technical means of automation and new industrial application (including the application of computers.)

AVAILABLE: Library of Congress

1. Automation-Conference

Card 2/2

LETOV, A.M., doktor fiziko-matematicheskikh nauk; NAUMOV, B.N., kand. tekhn.nauk

Second conference of the Executive Committee of the International Federation for Automatic Control. Vest. AN SSSR 28 no. 6:95 Je '58. (MIRA 11:7)

(Zurich--Automatic control--Congresses)

Nemmar, B.N.

SOV/58

S/105/60/000/05/28/028
E007/E008

16.9500

AUTHORS: Shmaikovskiy, B.N., Professor, Doctor of Technical Sciences,
Gel'dfarb, L.S. Professor, Doctor of Technical Sciences,
Rabinov, M.A., Professor, Doctor of Technical Sciences,
Gorzainov, G.A., Docent, Candidate of Technical Sciences,
Rusanov, N.N., Docent, Candidate of Technical Sciences

TITLE: Ya.Z. Tsypkin. Teoriya impul'snykh sistem (Theory of Impulse Systems). 724 Pages, Price 23 Rubles 25 Kopecks. Gosudarstvennoye izdatel'stvo fiziko-matematicheskikoy literatury (State Publishing House of Physics and Mathematical Literature), 1959

PERIODICAL: Elektrichestvo, 1960, No. 5, pp. 94-95

TEXT: This is a book review. The book belongs to those fundamental monographs which determine new trends in science and establish new scientific doctrines. The book contains the research results of the author in the field of the theory of impulse systems. Since 1948 the author has been dealing with the problems raised by the theory of intermittent control. He expanded this theory later and

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showed that the intermittent control is applicable to a wider class of technical systems, than the systems of automatic control. The author classified the various types of quantisation of amounts and the types of impulse elements corresponding to them. The book consists of 6 chapters. A classification of the systems from the point of view of the methods for the transmission of signals in these systems is made in the introduction. The basic definitions are given in the 1st chapter and some characteristic examples of impulse systems is given in the 2nd chapter. Mathematics for the investigation of impulse systems is explained in the 3rd chapter. The theory of open impulse systems is used in the 4th chapter for the investigation explained in the 3rd chapter are used in the 4th chapter for the investigation of a number of important impulse systems. The entire complex of problems from the theory of closed impulse systems is given in the 5th chapter. Typical impulse systems are analysed in the 6th chapter. The book is written intelligibly, but it requires a certain theoretical preparation and knowledge. The present review was discussed and approved at the meetings of the kafedra "Avtomatika i telemekhanika" MEI (Chair of "Automation and Telemechanics" at the Moscow Institute

Card 2/3

of Power Engineering) and the kafedra "Avtomaticheskiy kontrol' i regulirovaniye" VZEI (Chair of "Automatic Control and Regulation" at the All-Union Correspondence Institute of Power Engineering).

Card 3/3

TRAPEZNIKOV, V.A., akademik, glav. red.; AYZERMAN, M.A., doktor tekhn. nauk, red.; AGEYKIN, D.I., kand. tekhn. nauk, red.; ARTOBOLEVSKIY, I.I., akademik, red.; BATRACHENKO, L.P., inzh., red.; VORONOV, A.A., doktor tekhn. nauk, red.; GAVRILOV, M.A., doktor tekhn. nauk, red.; DIKUSHIN, V.I., akademik, red.; KARIBSKIY, V.V., kand. tekhn. nauk, red.; KOGAN, B.Ya., kand. tekhn. nauk, red.; KRASIVSKIY, S.P., red.; KULEBAKIN, V.S., akademik, red.; LERNER, A.Ya., doktor tekhn. nauk, red.; LETOV, A.M., kand. tekhn. nauk, red.; MEYEROV, M.V., doktor tekhn. nauk, red.; PETROV, B.N., akademik, red.; PUGACHEV, V.S., doktor tekhn. nauk, red.; SOTSKOV, B.S., red.; STEFANI, Ye.M., kand. tekhn. nauk, red.; KHRAMOI, A.V., kand. tekhn. nauk, red.; TSYPKIN, Ya.Z., doktor tekhn. nauk, prof., red.; CHELYUSTKIN, A.O., kand. tekhn. nauk, red.; CHILIKIN, M.G., doktor tekhn. nauk, red.; NAUMOV, B.N., kand. tekhn. nauk, red.; KASHINA, P.S., tekhn. red.

[Transactions of the International Federation of Automatic Control, 1st International Congress, Moscow, 1960] Trudy I Mezhdunarodnogo kongressa Mezhdunarodnoi federatsii po avtomaticheskomu upravleniiu. Moskva, Izd-vo Akad. nauk SSSR. Vol.2. [Theory of discrete systems, optimal systems, and adaptive automatic control systems] Teoriia diskretnykh, optimal'nykh i samonastraivaiushchikhsia sistem. 1961. 996 p. (MIRA 14:9)

1. International Federation of Automatic Control, 1st International Congress, Moscow, 1960. 2. Chlen-korrespondent AN SSSR (for Sotskov) (Automatic control)

TSYPKIN, Ya.Z., prof., doktor tekhn. nauk; NAUMOV, B.N., kand. tekhn. nauk, dots., red.

[Lectures on the theory of automatic control; elements of the theory of sampled-data control] Lektsii po teorii avtomaticheskogo regulirovaniia; elementy teorii impul'snogo regulirovaniia. Izd.3. Moskva, Vses. zaochnyi energ. in-t, 1963. 92 p. (MIRA 17:5)

NAUMOV, B.

International simposium on the theory of self-adjusting automatic control systems. Izv. AN SSSR. Otd. tekh. nauk. Tekh. kib. no.1:205-208 Ja-F '63. (MIRA 16:7)

(Automatic control--Congresses)

L 18954-65 EWT(d)/EWP(1) Po-4/Pq-4/Pg-4/Pk-4/Pl-4 IJP(c)/AFMDC/ASD(a)-5/AEDGA/
APETR/RAEM(d)/ESD(dp) EC

ACCESSION NR: AP4041461 S/0103/64/025/006/0852/0867

AUTHOR: Naumov, B. N.; Tsypkin, Ya. Z. (Doctor of technical sciences)

TITLE: Frequency criterion of the absolute stability of the processes transpiring in nonlinear automatic-control systems

SOURCE: Avtomatika i telemekhanika, v. 25, no. 6, 1964, 852-867

TOPIC TAGS: automatic control, nonlinear automatic control, nonlinear automatic control stability, stability frequency criterion

ABSTRACT: Conditions are determined which make a nonlinear automatic-control system absolutely stable with regard not only to the system's equilibrium position but also to the processes transpiring in the system due to external influences. The nonlinear automatic system is regarded as a combination of a nonlinear element and a linear part. The frequency criterion of absolute stability reduces the problem to an investigation of a linearized system which is obtained through

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L 10954-65
ACCESSION NR: AP4041461

3

replacing the nonlinear element by a linear one on the basis of the system's amplitude-phase or logarithmic-frequency characteristics. Formulas are also developed which describe synthesizing the stabilizers that ensure a degree of stability equal to or exceeding the specified degree. The criterion suggested in the present article is an extension of V. M. Popov's equilibrium-position-stability condition (Acad. R.P.R., 9th year, no. 1, 1959, and Compt. rend., v. 256, no. 17, 1963) over the case of the process stability in nonlinear systems. "The authors are deeply grateful to V. A. Yakubovich for discussing this work and his valuable comments, and also to V. I. Dy*mkov and N. N. Popova for their part in calculating the examples." Orig. art. has: 12 figures and 70 formulas.

ASSOCIATION: none

SUBMITTED: 00 ENCL: 00

SUB CODE: DP, IE NO REF SOV: 014 OTHER: 003

Card 2/2

L 48953-65 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(1) Po-4/Pc-4/Pf-4/Pg-4/Pk-4/
Pi-4 IJP(c) BC UR/0103/65/026/004/0591/0600 49 48 B

ACCESSION NR: AP5011901

AUTHOR: Naumov, B. N. (Moscow)

TITLE: A study of the absolute stability of equilibrium states in nonlinear automatic control systems by means of logarithmic frequency characteristics

SOURCE: Avtomatika i telemekhanika, v. 26, no. 4, 1965, 591-600

TOPIC TAGS: nonlinear system stability, automatic control system, logarithmic frequency characteristic, control system stability

ABSTRACT: In this paper, which is an extension of a previous work (B. N. Naumov, Ya. Z. Tsypkin, Avtomatika i telemekhanika, v. XXV, no. 6, 1964), it is shown how on the basis of the V. M. Popov frequency criterion (see, e.g., V. M. Popov, Avtomatika i telemekhanika, v. XXII, no. 8, 1961) one can study, by means of logarithmic freqeuncy characteristics, the absolute stability of the equilibrium states of nonlinear automatic control systems with a single nonlinear element. The logarithmic frequency characteristic method is otherwise widely used for the analysis and synthesis of linear systems (see, e.g., Theory of servo mechanisms, Edited by H. James, N. Nickols, and R. Phillips). Here they are extended to the

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ACCESSION NR: AP5011901

case of nonlinear systems and procedures of analysis and synthesis of correcting devices are developed which provide for absolute stability of equilibrium states at a desired value of the system's gain and also for the degree of stability - not less than the given one - of processes caused by vanishing external actions (of the initial conditions type) (V. A. Yakubovich, Avtomatika i telemekhanika, v. XXV, no. 7, 1964). The newly developed procedures are illustrated by the example of an automatic engine-velocity-control system. "The author thanks N. N. Popova for help during the numerical calculations." Orig. art. has: 16 formulas and 12 figures.

ASSOCIATION: None

NO REF SOV: 005 OTHER: 003

Card 2/2

YERMOLENKO, A.F.; NAUMOV, B.S.

Shortcomings in the organization of construction. Avtom., telem. i sviaz' 9 no.5:17 My '65. (MIRA 18:5)

1. Nachal'nik sluzhby signalizatsii i svyazi Yugo-Zapadnoy dorogi (for Yermolenko). 2. Nachal'nik tekhnicheskogo otdela sluzhby signalizatsii i svyazi Zakavkazskoy dorogi (for Naumov).

NAUMOV, D.A., inshener.

Block pipe units for high-pressure power station lines. Elek. sta. 28 no.6:66-67 Je '57. (MIRA 10:8)

(Pipe)

NAUMOV, D.A., inzh.

Experience installing large-block wall cladding. Elek.sta. 28 no.10:78-79 '57. (MIRA 10:11)

(Walls)

NAUMOV, D.A., inzh.

Shortcomings in the design and manufacture of piping for thermal electric power plants. Energ.stroi. no.4:54-55 '58. (MIRA 12:2)

1. Uralenergomontazh.
(Electric power plants) (Steampipes)

NAUMOV, D.A., insh.

Automatic programmed measurement of petroleum yield. Mekh.i avtom. proizv. 17 no.2:21-24 F '63. (MIRA 16:2)
(Oil wells--Equipment and supplies) (Electronic measurements)

NAUMOV, D.B.

20-5-63/67

AUTHOR: NAUMOV, D.B.

TITLE: Structure and Taxonomic Position of Monobrachium Parasitum Merschk (Hydrozoa) (Stroyeniye i sistematicheskoye polosheniye Monobrachium parasitum Merschk. Russian).

PERIODICAL: Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr. 5, pp 1168 - 1170 (U.S.S.R.)

ABSTRACT: This only representative of the species and of the whole family of the Monobrachiidae (White Sea) was described in 1877. The main characteristic is one single tentacle. The drawings, given in the original description, of the sections through the polyp are not complete. Also the work by WAGNER contains errors. Later, colonies of this kind were found in many parts of Northern Sea as far as Japan, Greenland, Spitzbergen and Canada. It settles only on shells of living molluscs of the Macoma maesta (Deshyaes) kind in depths of from 8 - 300 m. The systemmatic position of Monobrachium seems rather doubtful as the oligomerisation of the number of tentacles up to two (Lar) and further to their complete involution (Limnochida, Craspeda Limcusta) is very characteristic of the polyps of the subspecies Limnomedusa. There a number of characteristics by which polyps and medusae of the subspecies Athecata are distinguished from those of the subspecies Limnomedusa. They are listed. The polyp and the meduscid of M. parasitum are then described and the conclusion is drawn from this that this form does not belong to the Athecata but is a typi-

Card 1/2

20-5-63/67

Structure and Taxonomic Position of Monobrachium Parasitum Merschk (Hydrozoa), cal representative of the Limnomedusa. The author suggests forming an Monobrachiidae family for the Monobrachium, which has to be called among the Limnomedusa. (2 illustrations, 2 citations from Slavic publications.)

ASSOCIATION: Zoological Institute of the Academy of Science of the U.S.S.R.
PRESENTED BY: PAVLOVSKIY, Ye. N., Member of the Academy.
SUBMITTED: January 8, 1957
AVAILABLE: Library of Congress

Card 2/2

NAUMOVA, D.G.

Forms of care of newborn infants in a pediatric health center and polyclinic. Vop. bkhr. mat. i det. 6 no. 1:75-77 Ja '61. (MIRA 14:4)

1. Iz detskoy gorodskoy bol'nitsy No. 6 Kiyevskogo rayona Moskvy.
(INFANTS (NEWBORN)—CARE AND HYGIENE)

PA 12/49T67

NAUMOV, D. K.

USSR/Engineering
Peat Industry

Aug 48

"Testing of Machines During the Removal of Cut Raw Material," D. K. Naumov, Engr, All-Union Sci Res Inst of the Peat Ind, 3 pp

"Torf Prom" No 8

Report of trials carried out on peat collecting machine UMK.

12/49T67

ANTONOV, V.Ya., kand.tekhn.nauk; BEZZUBOV, M.D., kand.tekhn.nauk; BELOKOPITOV, I.Ye., kand.sel'skokhoz.nauk; BLYUMENBERG, V.V., kand.tekhn.nauk; BOGDANOV, N.N., kand.tekhn.nauk; BRAGIN, N.A., inzh.; VASIL'YEV, Yu.K., inzh.; VINOGRADOV, V.A., inzh.; ROZENBERG, B.I., inzh.; GORGIDZHANYAN, S.A., kand.tekhn.nauk; ZIZA, A.A., kand.sel'skokhoz.nauk; KALABUKHOV, M.V., agronom-melioretor; KOLOTUSHKIN, V.I., inzh.; KORCHUNOV, S.S., kand.tekhn.nauk; KRYUKOV, M.N., dotsent; VAVULO, V.A., inzh.; NAUMOV, D.K., kand.tekhn.nauk; OLEJIN, A.S., inzh.; PROVORKIN, A.S., inzh.; PROKHOROV, N.I., dotsent; RASKIN, G.I., inzh.; SAVENKO, I.V., inzh.; SERGEYEV, B.F., kand.tekhn.nauk; STOYLIK, M.A., inzh.; SUKHANOV, M.A., inzh.; TOPOL'NITSKIY, N.M., kand.tekhn.nauk; TYURENNOV, S.N., doktor biol.nauk, prof.; FATCHIKHINA, O.Ye., kand.sel'skokhoz.nauk; TSVETKOV, B.I., inzh.; CHUBAROV, N.D., inzh.; MANDEL'BAUM, A.I., inzh.;

(Continued on next card)

ANTONOV, V.Ya.---(continued) Card 2.
YARTSEV, A.K.; SAMSONOV, N.N., inzh., glavnyy red.; BERSHADSKIY, L.S., inzh., nauchnyy red.; VAREMTSOV, V.S., kand.tekhn.nauk, nauchnyy red.; VYSOTSKIY, K.P., kand.tekhn.nauk, nauchnyy red.; GORINSHTEYN, L.L., kand.tekhn.nauk, nauchnyy red.; GORYACHKIN, V.G., prof., nauchnyy red.; YEFIMOV, P.N., kand.tekhn.nauk, nauchnyy red.; KUZEMAN, G.I., kand.tekhn.nauk, nauchnyy red.; KULAKOV, N.N., kand. tekhn.nauk, nauchnyy red.; KUTAIS, L.I., prof., doktor tekhn.nauk, nauchnyy red.; MIRKIN, M.A., inzh., nauchnyy red.; SEMENSKIY, Ye.P., kand.tekhn.nauk, nauchnyy red.; SOKOLOV, A.A., kand.tekhn.nauk, nauchnyy red.; KHAZANOV, Ya.N., dotsent, nauchnyy red.; KHALUGO, A.K., inzh., nauchnyy red.; TSUPROV, S.A., dotsent, nauchnyy red.; SHTEYNBOK, G.D., inzh., nauchnyy red.; KOLOTUSHKIN, V.I., red.; SKVORTSOV, I.M., tekhn.red.

[Reference book on peat] Spravochnik po torfu. Moskva, Gos.energ. izd-vo, 1954. 728 p. (MIRA 13:7)

1. Chlen-korrespondent AN BSSR (for Goryachkin).
(Peat--Handbooks, manuals, etc.)

NAUMOV D.K.

CHISTYAKOV, Viktor Il'ich; NAUMOV, D.K., redaktor; FRIDKIN, A.M., tekhnicheskiy redaktor.

[Excavating machines for winning peat] Mashiny ekskavatornogo sposoba dobychi roia. Moskva, Gos.energ.izd-vo, 1957. 255 p. (MIRA 10:11)

(Peat machinery)

NAUMOV, D.L., inzhener.

Drying beech lumber in clamps. Der.prom.5 no.9:21-22 S '55.
(MLRA 9:10)

1.Kiyevskaya mebel'naya fabrika imeni Beshenko.
(Lumber--Drying)

NAUMOV, D.L.

Universal fan-shaped pneumatic jointers. Der. prom. 7 no.10: 23-24 O '58. (MIRA 11:11)

1. Kiyevskaya mebel'naya fabrika im. Boshenko.
(Woodworking machinery)

NAUMOV, D.L.

Semiautomatic machine for bending zigzag springs. Der.prom. 10 no.6:19 Je '61. (MIRA 14:7)

1. Kiyevskaya mebel'naya fabrika im. Bozhenko.
(Springs (Mechanism)) (Bending machines)

NAUMOV, D.L.

Efficient method of lacing conveyor belts and straps. Bum.i der.prom. no.4:39-41 O-D '62. (MIRA 15:12)

1. Kiyevskaya mebel'naya fabrika im. Bozhenko.
(Belts and belting)

NAUMOV, D.L.

New set of furniture for one-family apartments. Sum. i der. prom. no.2:44-47 Ap-Je '63. (MIRA 17:2)

NAUMOV, D.L.

Revolving pneumatic frames. Bum. i der. prom. no.1:12-14 Ja-Mr '64. (MIRA 17:6)

NAUMOV, D.L.

Electrical cementing of porolon. Bum. i der. prom. no.2:22-23 Ap-Je '64. (MIRA 17:9)

NAUMOV, D.L.

Mobile electromechanical lifter for loading a press. Bum. i der. prom. no.2:3-6 Ap-Je '65. (MIRA 18:6)

NAUMOV, D.V.

New species of hydroids from the regions of southern Sakhalin and the Kuril Islands. Trudy zool.inst. 12:34-39 '52. (MLRA 6:6)
(Sakhalin--Hydromedusae) (Kuril Islands--Hydromedusae)

NAUMOV, D.V.

Alcoyonaria

New representative of the genus Anthomastus Verrill (Alcyonaria) from the Kuril Islands. Zool. Zhur. 31 no. 2, 1952

9. Monthly List of Russian Accessions, Library of Congress, July 1952. 1953, Uncl.

MAUMOV, D.V.

General problems of metagenesis in connection with the establishment of a primary generation in metagenetic Hydrozoa. Trudy Zool.inst. 13:70-90 '53. (MLRA 7:5)

(Hydrozoa) (Metagenesis)

NAUMOV, D. V.

SHISHKIN, B. K., professor; ROMANKOVA, A. G., kandidat biologicheskikh nauk, starshiy nauchnyy sotrudnik; MARKOV, G. S., doktor biologicheskikh nauk, dotsent; DANILEVSKIY, A. S., kandidat biologicheskikh nauk, dotsent; SHTEYNBERG, D. M., doktor biologicheskikh nauk; LOMAGIN, A. G. aspirant; SELL'-BEKMAN, I. ", mladshiy nauchnyy sotrudnik; ZHINKIN, L. N., doktor biologicheskikh nauk, professor; IPATOV, V. S., student V kursa; KOZLOV, V. Ye., kandidat biologicheskikhnauk, starshiy nauchnyy sotrudnik; KARTASHEV, A. I., kandidat biologicheskikh nauk, starshiy nauchnyy sotrudnik; NITSENKO, A. A., starshiy nauchnyy sotrudnik; VASILEVSKAYA, V. K., doktor biologicheskikh nauk, dotsent; RYUMIN, A. V., kandidat biologicheskikh nauk; NAUMOV, D. V., kandidat biologicheskikh nauk, mladshiy nauchnyy sotrudnik; KHOZATSKIY, L. I. kandidat biologicheskikh nauk, dotsent; GOROBETS, A. M., kandidat biologicheskikh nauk, starshiy nauchnyy sotrudnik; GODLEVSKIY, V. S. assistent; GERBIL'SKIY, N. L., doktor biologicheskikh nauk, professor; ALEKSANDROV, A. D., professor; KOLODYAZHNYY, V. I.; TURBIN, N. V.; ZAVADSKIY, K. M.

[Theory of species and the formation of species]. Vest. Len. un. 9 no. 10:43-92 O '54. (MLRA 8:7)

1. Chlen-korrespondent Akademii nauk SSSR (for Shishkin, Aleksandrov)

(Continued on next card)

SHISHKIN.B.K., professor; ROMANKOVA,A.G., kandidat biologicheskikh nauk, starshiy nauchnyy sotrudnik, and others.

[Theory of species and the formation of species]. Vest.Len.un. 9 no.10:43-92 O '54. (MLRA 8:7)

2. Leningradskiy gosudarstvennyy universitet (for Shishkin, Romankova, Markov, Ipatov, Koslov, Kartashev, Godlevskiy, Gerbil'skiy, Aleksandrov) 3. Zoologicheskiy institut Akademii nauk SSSR (for Shteynberg, Naumov) 4. Kafedra entomologii Leningradskogo gosudarstvennogo universiteta (for Danilevskiy). 5. Kafedra darvinizma Leningradskogo gosudarstvennogo universiteta (for Lomagin, Gorobets). 6. Kafedra geobotaniki Leningradskogo gosudarstvennogo universiteta (for Nitsenko). 7. Kafedra botaniki Leningradskogo gosudarstvennogo universiteta (for Vasilevskaya). 8. Kafedra zoologii posvonochnykh Leningradskogo gosudarstbennogo universiteta (for Khozatskiy). 9. Leningradskoye otdeleniye Vsesoyuznogo instituta udobreniy, agropochvovedeniya i agrotekhniki (for Sell'-Bekman) 10. Institut eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR (for Zhinkin)

(Origin of species)

NAUMOV, D.V.

AKUMUSHKIN, I.I.; BARANOVA, Z.I.; BRODSKIY, K.A.; VIRKETIS, M.A.; VOLODCHENKO, N.I.; GALKIN, Yu.I.,; GUR'YANOVA, Ye.F.; DOGEL' V.A.; D'YAKONOV, A.M.; ZEVINA, G.B.; IVANOV, A.V.; KIR'YANOVA, Ye S.; KOBYAKOVA, Z I.; KOLTUN, V.M.; KONZHUKOVA, Ye.D.; KOROTKEVICH, V.S.; KLYUGE, G.A.; LOZINA-LOZINSKIY, L.K.; LOMAKINA, N.B.; NAUMOV, D.V.; PERGAMENT, T.S.; RESHETNYAK, V.V.; SAVEL'YEVA, T.S.; SKARLATO, O.A.; SOKOLOV, I.I.; STREKLOV, A.A.; TARASOV, N.I.; USHAKOV, P.V.; SHCHEDRINA, Z.G. YAKOVLEVA, A.M.; USHAKOV, P.V., obshchiy rukovoditel'; PAVLOVSKIY, Ye.N., akademik, redaktor; STREKLOV, A.A. redaktor; BRODSKIY, K.A., redaktor; ARONS, R.A., tekhnicheskiy redaktor.

[Atlas of invertebrates of the Far East seas of the U.S.S.R.] Atlas bespozvonochnykh dal'nevostochnykh morei SSSR. Moskva, Izd-vo Akad.nauk SSSR, 1955. 240 p., 66 plates. (MLRA 8:10)

1. Akademiya nauk SSSR. Zoologicheskiy institut.
(Soviet Far East--Invertebrates)

NAUMOV, D.V.

New genera and species of Hydroidea from the Far Eastern seas. Trudy Zool. inst. 18:19-25 '55. (MLRA 9:2)
(Soviet Far East--Hydromedusae)

GINETSINSKAYA, T.A.; NAUMOV, D.V.

New member of a rare trematode genus Cloeophora Dietz (Trematodes, Echinostomatidae) from turnstones. Trudy Zool. inst. 18:39-41 '55. (Trematoda) (Parasites--Sandpipers) (MLRA 9:2)

NAUMOV, D.V.

Systematic position of the poisonous jellyfish and revision of the genus Gonionemus A.Agassiz. Trudy Zool.inst. 21:102-109 '55. (MLRA 9:5)

(Medusae)

NAUMOV, D. V., kandidat biologicheskikh nauk.

Reproduction of Aurelia aurita L. and Cyanea capillata L.
Priroda 44 no.11:102-104 N '55. (MIRA 9:1)

1.Zoologicheskiy institut Akademii nauk SSSR.
(Scyphomedusae)

MAUMOV, D.V.

Medusae in the Far Eastern seas of the Soviet Union. Trudy probl.i tem.sov. no.6:36-41 '56. (MLRA 9:11)

1. Zoologicheskiy institut AN SSSR.
(Soviet Far East--Medusae)

NAUMOV, D. V.

USSR/ Biology - Zoology

Card 1/1 Pub. 86 - 22/42

Authors : Naumov, D. V., Cand. Biol. Sc. (Zool. Inst., Acad. of Sc., USSR)

Title : Miniature ocean aquariums with circulating water

Periodical : Priroda 45/1, 106-109, Jan 56

Abstract : The difficulties in studying marine life in aquariums are explained with respect to the fact that putrefaction takes place in sea water. A description is given of a device made to overcome this obstacle, the water being made to circulate, and pass at point through filters and cooling agents. Two references: 2 Sov., and 1 Eng. (1938). Illustration.

Institution : .....

Submitted : .....