

16 8000 (also 3823, 4023)

38030

S/103/62/023/006/001/012
D230/D308

AUTHORS: Krasovskiy, N.N. and Letov, A.M. (Sverdlovsk. Moscow)

TITLE: Theory of the analytical design of regulators

PERIODICAL: Avtomatika i telemekhanika, v. 23, no. 6, 1962,
713-720

TEXT: A detailed examination of the problem already con- sidered by A.M. Letov (Avtomatika i telemekhanika, v. 22, no. 4, 1961), concerning the analytical design of an optimum regulator $u^0 [x]$, which minimizes the functional

$$J [x_0, u] = \int_0^{\infty} \omega [x(x_0, t), u(t)] dt \tag{1}$$

for the motion $x(x_0, t)$ of the system $dx/dt = Ax + mu$, where the sym- bols have their usual meaning. The scalar magnitude u describing the controlling action is conditioned by

$$|u| \leq N \tag{2}$$

Card (1/2)

* 5/103/61/022/004/001/014

S/103/62/023/006/001/012
D230/D308

Theory of the analytical design ...

The solution procedure is as follows: the optimum control $u^*(x)$ is formulated for the functional and for the function of the system, without accounting for the limitation and then one assumes that

$$\begin{aligned}
u^0(x) &= u^*(x) & \text{for } |u^*| &\leq N, \\
u^0(x) &= N, & \text{for } u^* &\geq N, \\
u^0(x) &= -N, & \text{for } u^* &\leq -N.
\end{aligned}
\tag{4}$$

The problem is analyzed in detail; conditions for the existence of the above assumptions are explained in terms of the dynamic programming theory. The determination of the optimum control $u^0(x)$ using dynamic programming reduces to solving the Bellman equation for the continuous function $v(x) = \min J[x, u]$; condition of continuity is established. The existence of the various complexities of the problem is established and analyzed further in detail by means of an example. There are 4 figures.

SUBMITTED: February 2, 1962

Card 2/2

LETOV, A. M. (Moskva)

Analytical design of controllers. Part V. Avtom. i telem. 23
no.11:1405-1413 N '62. (MIRA 15:10)

(Automatic control) (Electric controllers)

LETOV, A.M., prof., doktor fiziko-matematicheskikh nauk

Automation in astronautics. Nauka i zhizn' 29 no.11:28-29
N '62. (MIRA 16:1)

(Automation) (Astronautics)

LETOV, A.M., prof.

Executive Council of the International Federation of
Automatic Control. Vest. AN SSSR 32 no.11:121 N '62. (MIRA 15:11)
(Automatic control)'

LETOV, A.M., doktor fiz.-matem.nauk

Meeting of Executive Council of the International Federation on
Automatic Control. Vest. AN SSSR 33 no.6:94 Je '63. (MIRA 16:7)
(No subject headings)

LETOV, A.M. (Moscow)

"Optimal control and stability".

report presented at the 2nd All-Union Congress on Theoretical and Applied
Mechanics, Moscow, 29 Jan - 5 Feb 64.

LETOV, A.M., doktor fiz.-matem.nauk

Second Conference of the International Federation of Automatic
Control (IFAC) in Switzerland. Vest. AN SSSR 34 no.3:100-101
Mr '64. (MIRA 17:4)

LETOV, A.M., doktor fiz.-matem. nauk

Regular session of the Executive Council of the International
Federation of Automatic Control in Krakow. Vest. AN SSSR 34
no.10:97 0 '64. (MIRA 17:11)

LETOV, G.S.

Construction of tarbagan burrows. Izv. Irk.gos.protivochn. inst.
8:46-63 '50. (MIRA 10:12)
(MARMOTS)

SMIRNOV, V.P.; LITOV, G.S.

Outbreak of pulmonary plague in Gichigan in the Mongolian People's
Republic. Izv.Irk.gos.nauch.-issl.protivochem.inst. 20:105-106
'59. (MIRA 13:7)

(GICHIGAN (MONGOLIA)--PLAGUE)

LITOV, G.S.; ABRAMOVA, S.G.

Pulmonary plague outbreak in Bukhmarin District. Izv.Irk.nauch.-
issl.protivochum.inst. 20:107-110 '59. (MIRA 13:7)
(BUKHMARIN DISTRICT (MONGOLIA)--PLAGUE)

LETOV, G.S.; USOVA, Ye.Ya.

Plague outbreak among marmot hunters in the vicinity of Urt-
Golyn-Ulan-Kisa. Izv. Irk. gos. nauch.-issl. protivochum. inst.
20:111-115 '59. (MIRA 13:6)
(URT-GOLYN-ULAN-KISA (MONGOLIA)--PLAGUE)

LETOV, G.S.; LETOVA, G.I.; MAMONTOVA, E.V.

Water vole in Tuva. Izv. Irk. gos. nauch.-issl. protivochim. inst.
21:298-303 '59. (MIRA 14:1)
(TUVA AUTONOMOUS PROVINCE—WATER VOLES)

MAMONTOVA, K.V.; LETOV, G.S.

Importance of the rodents of Tiva in the epizootiology of infectious natural focus diseases. Dokl. Irk. gos. nauch.-issl. protivochum. inst. no.517-19 '63 (MIRA 18:1)

LETOV, G.S.

Epidemiological and economic importance of gerbils in USSR.
Dokl. Irk. gos. nau. h.-izd. protivomur. inst. no. 3405-37.
163 (1958-1959)

LETOV, L.K.

Cards for abstracts are important means of improving the
operativeness of information abstracted. NTI no.5:9-11
'63. (MIRA 16:11)

KORSAKOV, V.I.; LETOV, L.K.

"Construction catalog" as a form of reference book of materials.
NTI no.7:12-14 '65. (MIRA 18:9)

LETOV, N. A.

Shakhtnye kompressornye stantsii i vozdukhprovody. Moskva, Ugletekhizdat, 1950.
139 p. diagrs.

Bibliography: p. (138)

(Mine compressor plants and air ducts.)

DLC: TN303.L4

SO: Manufacturing and Mechanical Engineering in the Soviet Union. Library of
Congress, 1953.

LETOV, N. A.

Selection and Operation of Electrical Equipment in Mines, (Vybori eksploatatsiya elektroustanovok shakht), Molotov, Molotovgiz, 1950, 364 pp. with sketches.

LETOV, N.A. a

4548. ADDITION OF COAL CUTTING MACHINES WITH CUTTER BARS IN PINES OF KIZEL BASIN. Letov, NA (Ugol (Coal), 1940, (1), 8-1'). The cutter bar is a rotating spindle carrying a number of discs along its length. A cutting tooth is inserted in each disc. The sequence of operations is as follows: a horizontal hole is bored at the base of the seam. The cutter bar is then inserted and transversed sideways so as to cut a horizontal slot. The coal left projecting above it then falls by its own weight. (L)

ABB-564 METALLURGICAL LITERATURE CLASSIFICATION

U.S. DEPARTMENT OF COMMERCE

OFFICE OF TECHNICAL SERVICES

U.S. GOVERNMENT PRINTING OFFICE: 1964 O 111111

LETOV, N.A.

Technology

Electric equipment for the stationary installations of mines, Moskva,
Ugletekhizdat, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952.
Unclassified.

LETOV, N. A.

Letov, N. A. -- "Modern Methods of Protecting Mining Shaft Equipment from Corrosion, Min Coal Industry USSR, Acad of the Coal Industry, Moscow, 1955 (Dissertation for the Degree of Candidate in Technical Sciences)

SO: Knizhnaya Letopis', No. 23, Moscow, Jun 55, pp 87-104

LALAYANTS, A.M., redaktor; ABRAMYAN, A.A., redaktor; GUBERMAN, I.D., redaktor, DOKUNIN, A.V., redaktor; ZASADYCH, B.I., redaktor; IVAMENKO, G.I., redaktor; LETOV, N.A., redaktor; MELAMED, Z.M., redaktor; LIVSHITS, I.I., LOKSHIN, V.A., redaktor; MONIN, G.I., redaktor; SUMCHENKO, V.A., redaktor; TOPCHIYEV, A.V., redaktor; SHEVALDIN, A.S., redaktor; SIROVA, V.A., redaktor; ANDREYEV, G.G., tehnikheskiy redaktor; PROZOROVSKAYA, V.L., tehnikheskiy redaktor.

[Materials and equipment used in the coal industry; a reference manual]
Materialy i oborudovanie, primenyaemye v ugol'noi promyshlennosti;
spravochnik. Moskva, Ugletekhizdat. Vol.1.[Materials] Materialy. Pt.2.
1955. 544 p. (MIRA 9:5)
(Coal mines and mining--Equipment and supplies)

LALAYANIS, A.M., redaktor; ABRAMYAN, A.A., redaktor; GRIBERMAN, I.D., redaktor; DOKUKIN, A.V., redaktor; ZASADYCH, B.I., redaktor; IVANENKO, G.I., redaktor; LETOV, N.A., redaktor; MELAMED, Z.M. redaktor; LIVSHITS, I.I., redaktor; LOKSHIN, V.A., redaktor; MONIN, G.I., redaktor; EUMCHENKO, V.A., redaktor; TOPCHIYEV, A.V., redaktor; SHEVALDIN, A.S., redaktor; SUROVA, V.A., redaktor; ANDREYEV, G.G., tekhnicheskiy redaktor; PROZOROVSKAYA, V.L., tekhnicheskiy redaktor.

[Material and equipment used in the coal industry] Materialy i oborudovanie, primeniayemye v ugol'noy promyshlennosti; spravochnik Moskva, Ugletekhizdat. Vol.1 [Material---Wholesale prices in effect as of July 1, 1955] Materialy. Pt. 1.1955. 786 p. -- Otpyvye tseny, vvedeny s 1 iulia 1955. g. 192 p. [Microfilm] (MLRA 9:1)
(Coal mining machinery) (Coal mines and mining)

45707, 7-7

LALAYANTS, A.M., glavnyy redaktor; ABRAMYAN, A.A., otvetstvennyy redaktor;
GUBERMAN, I.D., redaktor; DOKUKIN, A.V., redaktor; ZASADYCH, B.I.,
redaktor; LETOV, N.A., otvetstvennyy redaktor; LIVSHITS, I.I.,
redaktor; LOKSHIN, V.A., redaktor; MELAMED, Z.M., redaktor; MONIN,
G.I., redaktor; SUMCHENKO, V.A., redaktor. TOPCHIYEV, A.B., redak-
tor; SHEVALDIN, A.S., redaktor; YEGURNOV, G.P., redaktor; LYUBIMOV,
N.G., redaktor izdatel'stva; ANDREYEV, G.G., tekhnicheskiy redaktor;
PROZOROVSKAYA, V.L., tekhnicheskiy redaktor.

[Material and equipment used in the coal industry; a reference
manual] Materialy i oborudovanie, primeniayemye v ugol'noi pro-
mushlennosti; spravochnik. Moskva, Ugletekhizdat. Vol.2. [Equip-
ment] Oborudovanie. Pt.1. 1956. 455 p. (MLRA 10:4)

(Coal mines and mining--Equipment and supplies)

LALAYANTS, A.M., redaktor; ABRAMYAN, A.A., redaktor; GUBERMAN, I.D., redaktor;
DOKUKIN, A.V., redaktor; ZASADYCH, B.I., redaktor; ~~LETOV, N.A.~~
redaktor; LIVSHITS, I.I., redaktor; LOKSHIN, V.A., redaktor; MELAMED,
Z.M., redaktor; MONIN, G.I., redaktor; SUMCHENKO, V.A.; TOPCHYEV, A.V.,
redaktor; SHEVALDIN, A.S., redaktor; YEGORNOV, G.P., redaktor;
LYUBIMOV, N.G., redaktor izdatel'stva; PROZOROVSKAYA, V.L., tekhnicheskiy redaktor

[Materials and equipment used in the coal industry; a reference manual]
Materialy i oborudovanie, primenyaemye v ugol'noi promyshlennosti;
spravochnik. Moskva, Ugletekhizdat. Vol.2. [Equipment] Oborudovanie.
Pt.2. 1957. 485 p. (MLRA 10:9)
(Coal mining machinery)

LALAYANTS, A.M., glavnyy red.; ABRAMYAN, A.A., red.; GUBERMAN, I.D., red.;
DOKUKIN, A.V., red.; ZASADYCH, B.I., red.; LETOV, N.A., red.;
LIVSHITS, I.I.; LOKSHIN, V.A.; MMLAMND, Z.M.; MONIN, O.I.; SUMCHENKO,
V.A.; TOPCHIEV, A.V.; SHEVALDIN, A.S.; YEGORNOV, O.P., red.;
LYUBIMOV, N.G., red. izd-va; PROZOROVSKAYA, V.L., tekhn. red.

[Materials and equipment used in the coal industry; a handbook]
Materialy i oborudovanie, primenyaemye v ugol'noi promyshlennosti;
spravochnik. Moskva, Ugletekhizdat. Vol. 2. [Equipment] Oborudovanie.
Pt. 3. 1957. 655 p. (MIRA 11:2)
(Coal mines and mining--Equipment and supplies)

BEYLINA, T.S.O., inzhener; BLAGONADEZHIN, V.Ye., inzhener; BOGUSLAVSKIY, P.Ye., kandidat tekhnicheskikh nauk; VORONKOV, I.M., professor, GITINA, L.Ya., inzhener; GROMAN, M.B., inzhener; GOROKHOV, N.V., doktor tekhnicheskikh nauk [deceased]; ZENISTUK, I.N., kandidat tekhnicheskikh nauk; DOVZHNIK, S.A., kandidat tekhnicheskikh nauk; DUKEL'SKIY, M.P., professor, doktor khimicheskikh nauk [deceased]; DYKHOVICHNIY, A.I., professor; ZHITKOV, D.G., professor, doktor tekhnicheskikh nauk; KOZLOVSKIY, N.S., inzhener; LAKHTIN, Yu.M., doktor tekhnicheskikh nauk; LEVENSON, L.B., professor, doktor tekhnicheskikh nauk [deceased]; LEVIN, B.Z., inzhener; LIPKAN, V.F., inzhener; MARTYNOV, M.V., kandidat tekhnicheskikh nauk; MOLEVA, T.I., inzhener; NOVIKOV, F.S., kandidat tekhnicheskikh nauk; OSETSKIY, V.M., kandidat tekhnicheskikh nauk; OSTROUMOV, G.A.; PONOMARENKO, Yu.F., kandidat tekhnicheskikh nauk; RAKOVSKIY, V.S., kandidat tekhnicheskikh nauk; REGIRER, Z.L., inzhener; SOKOLOV, A.N., inzhener; SOSUNOV, G.I., kandidat tekhnicheskikh nauk; STEPANOV, V.N., professor; SHEMAKHANOV, M.M., kandidat tekhnicheskikh nauk; EL'KIND, I.A., inzhener; YANUSHEVICH, L.V., kandidat tekhnicheskikh nauk; BOKSHITSKIY, Ya.M., inzhener, redaktor; BULATOV, S.B., inzhener, redaktor; GASHINSKIY, A.G., inzhener, redaktor; GRIGOR'YEV, V.S., inzhener, redaktor; YEGURNOV, G.P., kandidat tekhnicheskikh nauk, redaktor; ZHARKOV, D.V., dotsent, redaktor; ZAKHAROV, Yu.G., kandidat tekhnicheskikh nauk, redaktor; KAMINSKIY, V.S., kandidat tekhnicheskikh nauk, redaktor; KOMARKOV, Ye.F., professor, redaktor; KOSTYLEV, B.N., inzhener, redaktor; POVAROV, L.S., kandidat tekhnicheskikh nauk, redaktor; ULINICH, F.R., redaktor; KLORIK'YAN, S.Kh., otvetstvennyy redaktor; GLADILIN, L.V., redaktor;

(Continued on next card)

HEYLINA, TS.O. --- (continued) Card 2.

RUPPENEYT, K.V., redaktor; TERPIGOREV, A.M., glavnyy redaktor;
BARABANOV, F.A., redaktor; BARANOV, A.I., redaktor; BUCHEEV, V.E.,
redaktor; GRAFOV, L.Ye., redaktor; DOKUKIN, A.Y., redaktor; ZADEVID-
KO, A.N., redaktor; ZASYAD'KO, A.P., redaktor; KRASNIKOVSKIY, G.V.
redaktor; LETOV, N.A., redaktor; DISHIN, G.L., redaktor; MAN'KOV-
SKIY, G.I., redaktor; MEL'NIKOV, N.V., redaktor; ONIKA, D.G.,
redaktor; OSTROVSKIY, S.B., redaktor; POKROVSKIY, M.M., redaktor;
POLSTYANOV, G.N., redaktor; SKOCHINSKIY, A.A., redaktor; SONIN,
S.D., redaktor; SPIVAKOVSKIY, A.O., redaktor; STANCHENKO, I.K.,
redaktor; SUDOPLATOV, A.P., redaktor; TOPCHIYEV, A.V., redaktor;
TROYANSKIY, S.V., redaktor; SHEVYAKOV, L.D., redaktor; BYKHOV-
SKAYA, S.H., redaktor izdatel'stva; ZAZUL'SKAYA, V.F., tekhnicheskiy
redaktor; PROZOROVSKAYA, V.L., tekhnicheskiy redaktor.

[Mining; an encyclopedic handbook] Gornoe delo; entsiklopedicheskiy
spravochnik. Glav.red. A.M. Terpigorev. Chleny glav.red. F.A. Bara-
banov i dr. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po ugol'noi
promysh]. Vol.1. [General engineering] Obshchie inzhenernye
svedeniya. Redkollegiya tova S.Kh.Klerik'ian i dr. 1957. 760 p.
(Mining engineering) (MLRA 10:10)

FILATOV, N.V., dotsent; LETOV, N.N., inzh.

Underground telpher with a PGT-2 gyroscopic drive. Ugol' 35 no.8:
37-39 Ag '60. (MIRA 13:9)

1. Sibirskiy metallurgicheskiy institut (for Filatov).
2. Vsesoyuznyy nauchno-issledovatel'skiy institut Gidrougol' (for Letov).
(Railroads, Suspended) (Mine haulage)

FILATOV, N.V., dotsent, kand. tekhn. nauk; LETOV, N.N., inzh.; SOLOV'YEV, A.I.

Using locomotives with gyroflywheels in large-capacity hydraulic mines. Trudy VNIIGidrouglia no.4:104-111 '64. (MIPA 12:3)

1. Sibirskiy metallurgicheskiy institut (for Filatov).
2. Vsesoyuznyy nauchno-issledovatel'skiy i proyektno-konstruktorskiy institut dobychi uglya gidravlicheskim sposobom i Sibirskiy metallurgicheskiy institut (for Letov, Solov'yev).

PETUKHOV, I.A., kand.tekhn.nauk; LETOV, S.A., inzh.

Roof control during first caving at "Chelyabinskugol" Combine
mines. Ugol' 40 no.3:16-23 Mr '65.

(MIRA 18:4)

1. Ural'skiy filial Vsesoyuznogo nauchno-issledovatel'skogo
marksheyerskogo instituta.

PETUKHOV, I.A., kand.tekhn.nauk, LETOV, S.A. inzh.

Span limit of the first caving of the main roof in Chelabinsk
Basin longwalls. Izv.vys.sichev.zav.sgor.zhur.7 no. 4:33-37 '64.
(MIRA 17:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy marksheyderskiy institut.

LETOV, S.A.; S. 1964, 1965.

Manifestation of rock based machinery in longwalls of the N. 100 B. 1964, 1965.
no. 8:09-76 164.

LETOV, G.S.; LETOVA, G.I.; MAMONTOVA, E.V.

Water vole in Tuva. Izv. Irk. gos. nauch.-issl. protivochim. inst.
21:298-303 '59. (MIRA 14:1)

(TUVA AUTONOMOUS PROVINCE—WATER VOLES)

VOLKOV, V.N.; VOLKOVA, I.B.; LETOVA, G.K.

Lithofacies characteristics of lower Mesozoic sediments in the
southern Magnitogorsk synclinorium. Trudy Lab.geol.ugl.

no.12:44 '61.

(MIRA 14:8)

(Ural Mountains—Coal geology)

LETOVA, M.F.

22547 Letova, M.F. Metoly Iskusstvennogo Zarazheniya Khlebnykh

Zlakov Golovnei Sbornik Trudov Pushkinsk Laboratorii Vsesoyuz In-ta

Rastenievodstva L. 1949 S. 223-32

SO: Letopis No. 30, 1949

DOBROZRKOVA, T.L.; LETOVA, M.F.; STEPANOV, K.M.; KHOKHRYAKOV, M.K.,
doktor biologicheskikh nauk; AKHREMOVICH, M.B., redaktor;
OSMOLOVSKIY, G.Ye., redaktor; CHUMAYEVA, Z.V., tekhnicheskii
redaktor

[Catalog of plant diseases] Opre delitel' bolezhei rastenii. Pod red.
M.K.Khokhriakova. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1956. 661 p.
(Plant diseases) (MLRA 10:3)

L 9627-66 EWT(d)

LIP(c)

ACC NR: AP6000551

SOURCE CODE: UR/0040/65/029/006/1116/1121

AUTHOR: Letova, T. A. (Moscow)

42
B

ORG: none

TITLE: On a special case of suppressing gyrostat rotation

SOURCE: Prikladnaya matematika i mekhanika, v. 29, no. 6, 1965, 1116-1121

TOPIC TAGS: gyroscopic system, spacecraft stability, perturbation, optimal control, asymptotic property, Bellman equation

ABSTRACT: The stability of solid body rotation achieved by means of a gyrostat-flywheel combination is studied analytically. The equation of motion of the flywheel is given by

$$J_i(\omega_i + p_i) = -U_i \quad (i=1, 2, 3)$$

where U_i is the engine momentum leading to the flywheel. A new variable is defined by

$$s_i = A_i p_i + J_i(\omega_i + p_i) \quad (i=1, 2, 3)$$

which, when substituted in the flywheel- and gyrostat-equations of motion, yields

$$p_i = A^{-1}(s_i p_i - s_i p_i + U_i)$$

$$s_i = s_i p_i - s_i p_i$$

The problem consists of finding the equation $U_i = U_i(p, t) \quad (i=1, 2, 3)$

Card 1/2

Z

L 9627-66

ACC NR: AP6000551

0

where the above two equations are satisfied for any x_1 , and the functional

$$I = \int_0^{\infty} W dt$$

is a minimum for all motions generated in the vicinity of the domain

$$p_{10}^2 + p_{20}^2 + p_{30}^2 < A, \quad A = \text{const} > 0$$

The solution is carried out by means of dynamic programming. The stability law is determined by the formula

$$U_1 = -\rho p_1, \quad \rho = \sqrt{a}, \dots$$

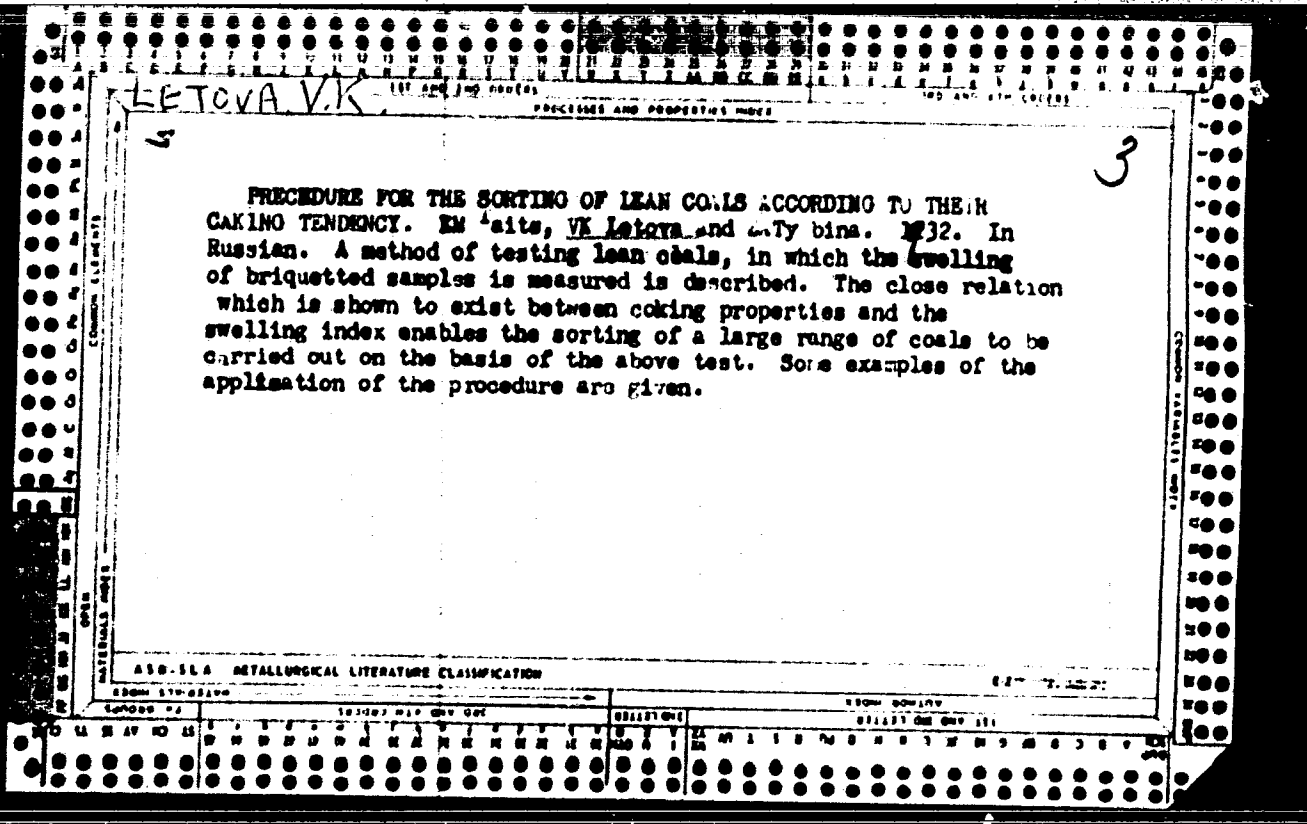
and the dynamics of the perturbation motion of the system is obtained by integrating the closed system

$$A_1 p_1 = s_1 p_1 - s_2 p_2 - \rho p_1 \quad (1.13)$$

The optimum stability of the solid body in a finite time is determined by a particular solution of the Bellman equation. Orig. art. has: 33 equations and 3 figures.

SUB CODE: 20/¹⁷ SUBM DATE: 23Apr65/ ORIG REF: 009 OTH REF: 004

gc
Card 2/2



LETOVA V.K. 19

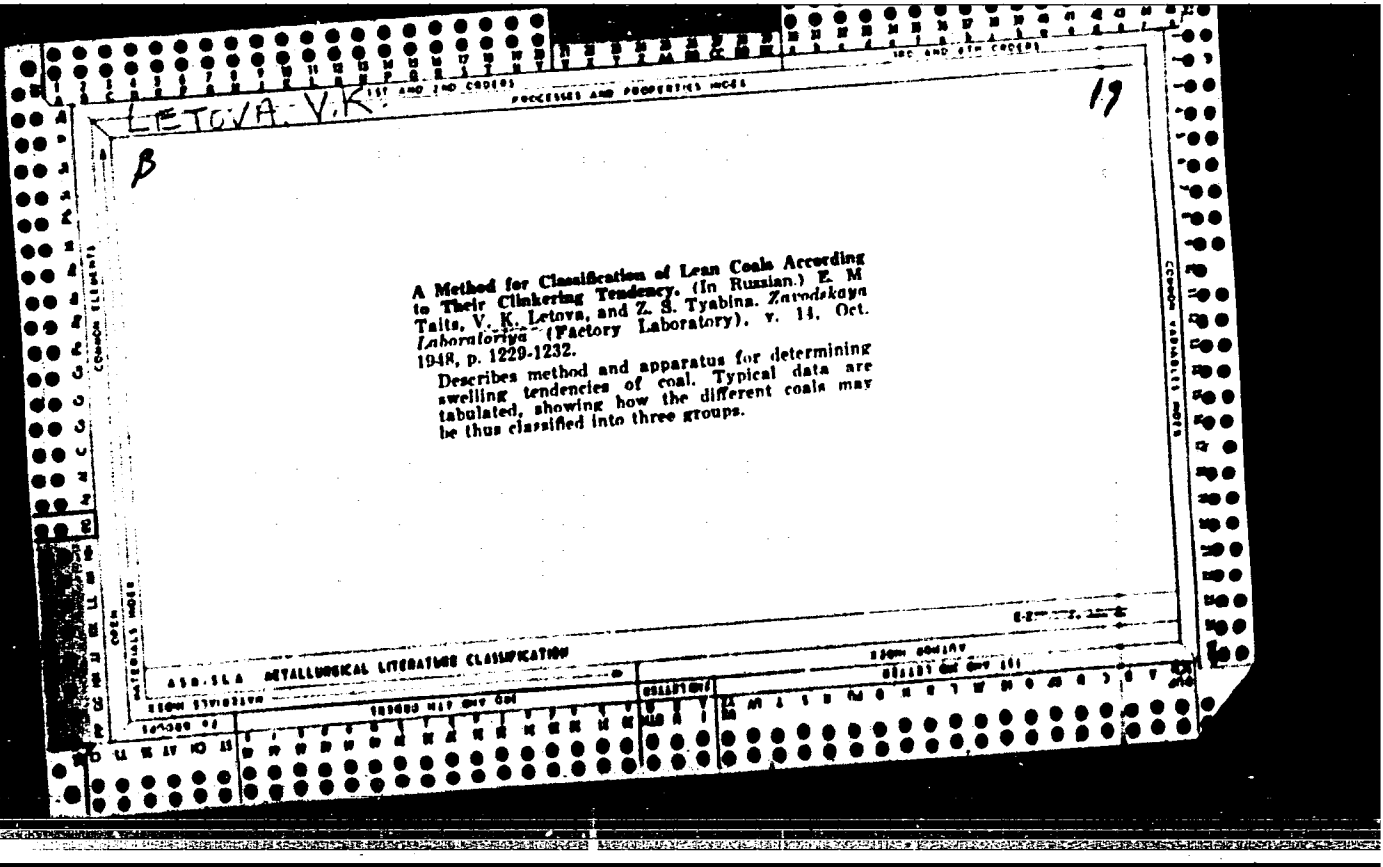
B

Determination of the Toughness of Coke by Means of Laboratory Specimens. (in Russian.) E. M. Tails and V. K. Letova. *Zavodskaya Laboratoriya (Factory Laboratory)*, v. 13, Oct. 1947, p. 1197-1201.

Proposed method using samples which have already been examined for microstructure on the platinum etc.

ADDITIONAL LITERATURE CLASSIFICATION

CLASSIFICATION	REMARKS



BRESLER, A.Ye. [deceased]; LETOVA, V.K.; NIKOLAYEV, I.N.

Prospects for the utilization of Minusinsk Basin coals for the
preparation of metallurgical fuel. Trudy IGI 10:66-73 '59.
(MIRA 12:12)

(Minusinsk Basin--Coal) (Coke)

LETOVA, Y.K.; KONOVALOV, A.K.; KURDYUKOV, A.S.

Preparing molded coke from Kuznetsk Basin low-coking gas coals
and their blends. Trudy IGI 10:93-103 '59. (MIRA 12:12)
(Kuznetsk Basin--Coal) (Coke)

LETOVA, V.K.; SPERANSKAYA, G.V.

Forming of a plastic gas-coal mass in the layer process of
coking. Trudy IGI 20:172-177 '63. (MIRA 17:8)

LETOVAL'TSEV, I.G., kandidat tekhnicheskikh nauk.

Field study of instruments from the "Aerogeopribor" plant.
Sbor.st.po geod.no.1:61-66 '51. (MIRA 9:7)
(Surveying--Instruments)

LETOVAL'TSEV, I.G., kand.tekhn.nauk.

Solution of a basic geodetic problem on loxodromic lines. Geod.i.
kart. no.8:8-16 Ag '57. (MIRA 10:10)

(Geodesy)

SOV/33-35-4-12/25

3(2)

AUTHOR:

Letoval'tsev, I.G.

TITLE:

The Transformation of Rectangular Space Coordinates on the Ellipsoid of the Earth (Preobrazovaniye prostranstvennykh pryamougol'nykh koordinat na zemnom ellipsoide)

PERIODICAL:

Astronomicheskii zhurnal, 1958, Vol 35, Nr 4, pp 627-633(USSR)

ABSTRACT:

The author gives formulas for the transformation of two cartesian coordinate systems into one another, the origins of the two systems being two arbitrary but remote points on the surface of the earth which are given by their geographic latitudes and longitudes. The formulas presented are intended for the discussion of moving objects (rockets, Sputniks) in the space. There are 6 figures, and 7 tables.

SUBMITTED: April 26, 1957

Card 1/1

3(4)

AUTHOR:

Letoval'tsax, L.G., Candidate of
Technical Sciences, Docent

SOV/154-59-4-7/17

TITLE:

Geodetic Investigations Made in Connection With the Investi-
gation of a Trial-track Without Rail-joints (Geodezi-
cheskiye raboty, vypolnennyye v svyazi s issledovaniyem
opytnogo uchastka besstykovogo rel'sovogo puti)

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aero-
fotos"yemka, 1959, Nr 4, pp 57-60 (USSR)

ABSTRACT:

On the 22 and 25 kilometer trial-tracks of the Moscow-Kursk-
Donbass-railway line, investigations were made in order to
prove the efficiency of a track without rail-joints compared
with those of the usual make. The geodetic part of these
investigations consisted in the determination of the inclina-
tions of the usual tracks and of those without rail-joints
with a pre-determined accuracy at the beginning and at the
end of the investigation. The performance of these experiments
is described. A comparison between the results of the usual
track-leveling and those of precise leveling showed that
within the limits of the accepted accuracy in the determina-
tion of the inclination, the results correspond to each other

Card 1/2

Geodetic Investigations Made in Connection With the SOV/154-59-4-7/17
Investigation of a Trial-track Without Rail-joints

(Table 1). This accuracy, however, could only be obtained in a chosen interval of 20 meters. If the interval is reduced to less than 20 meters the leveling accuracy must needs be increased. The studies were made by chairs of RR transport and transport economics, and by the chair of electric rolling stock. In the investigations participated: Professor K. N. Smirnov, Docent I. G. Letoval'tsev, and the Assistants V. S. Shcherbakov and V. V. Brikus (deceased). There are 3 tables.

ASSOCIATION: Moskovskiy ordena Lenina i ordena Trudovogo Krasnogo Znameni institut inzhenerov zheleznodorozhnogo transporta im. I. V. Stalina (Moscow Order of Lenin and Order of Red Banner of Labor Institute for Railroad Engineers imeni I. V. Stalin)

SUBMITTED: February 27, 1958

Card 2/2

(4)

AUTHOR:

Isotoval'tsov, I. G., Candidate of
Technical Sciences

007/1-59-3-20/4

TITLE:

Stereographic Projection of the Spheroid According to the
Definition by Gauss (Stereograficheskaya proyektziya sferoida
v opredelenii Gaussa)

PERIODICAL:

Geoleziya i kartografiya, 1959, Nr 6, pp 51-57 (1959)

ABSTRACT:

In his studies, Gauss determined the stereographic projection of the spheroid in a general way. L. Krüger continued these studies (1922) (Ref 2), but admitted inaccuracies, which continued to affect scientific publications. In the paper under consideration, a new type of the formulas for the stereographic projection is presented. It was obtained as a result of a further development of the general definition given by Gauss. The formulas (14) are derived. Krüger derived the formulas in the same form, though by a different method of derivation. - It is proved that Gauss' definition constitutes a Lagrange projection for the spheroid with $\alpha = 1$. The formulas (21) and (25) are derived. They establish the connexion between the right-angled coordinates of the stereographic projection of the spheroid according to Gauss'

Card 1/2

Stereographic Projection of the Spheroid According to the Definition by Gauss 007/1-1-1-1/1

definition and the right-angled coordinates of the Lagrange projection. Some errors in the paper (Ref 2) by Krüger are demonstrated. - The quantities H occurring in formula (11) can be taken from special tables (Ref 3). The geodetic coordinates can be computed from the given right-angle coordinates, with the use of formulas (15a) and (15b). Differentiation of formula (11) with regard to longitude yields formula (43) for the approximation of the meridians. The scale for the representation of the projection is determined by formula (15). From formulas (14) and (11) the scale for the representation as a function of the right-angle coordinates can be obtained: formula (45). For the determination of the reduction of the directions and longitudes the general method is employed. There are 4 references, 2 of which are Soviet.

Card 2/2

LETOVAL'TSEV, I.G., dotsent, kand.tekhn.nauk

Studying the accuracy of vertical intersection. Trudy
MIIT no.107:95-97 '60. (MIRA 13:7)
(Hydrographic surveying)

- LIVANOV, Mikhail Mikhailovich; BELIKOV, Ye.F., dotsent, retsentsent;
SHILOV, F.Ye., inzhener-geodezist, retsentsent; LETOVAL'TSEV, I.G.,
dotsent, red.; VASIL'YEVA, V.I., red.izd-va; ROMANOVA, V.V., tekhn.red.;

[Surveying in construction] Geodeziia v stroitel'stve. Moskva,
Gosgeoltekhizdat, 1963. 312 p. (MIRA 16:6)
(Surveying)

LETOVAL'TSEV, I.G., dotsent, red.izd-va.

Generalizing the method of projection for a spheroid and
the main surveying problems in a non-geoid routes. Izv.
vys. ucheb. zav.; geod. i aerof. na. 1961-68 '63. (MIRA 17:6)

1. Moskovskiy institut inzhenerov na. i tekhn. peredovogo transporta.

LETOVAL'TSEV, I.G., kand. tekhn. nauk, dotsent

General method for reducing directions and lengths in passing
from an ellipsoid to a plane. Orthodromic correction formulae.
Izv. vys. ucheb. zav.; geod. i aerof. no.4:3-11 '63. (MIRA 17:9)

1. Moskovskiy institut inzhenerov zheleznodorozhnogo transporta.

LETOVAL'TSEV, I.G., dotsent, kand. tekhn. nauk

Certain surveying problems in traversing. Izv. vys. ucheb. zav.;
geod. i aerof. no.4:11-25 '64.

(MIRA 18:2)

1. Moskovskiy institut inzhenerov zheleznodorozhnogo transporta.

LETOVET, A.A.

Status and development of research on prevention of occupational
diseases in new branches of industry. Vest.AMH SSSR 16 no.9:44-52
'61. (MIRA 14:12)

(INDUSTRIAL HYGIENE--RESEARCH)

LETOVAI, Sandor

← Wage types to be applied among the workers. Munka 13 no.4:
11-12 Ap '63.

1. Szakszervezetek Országos Tanácsa munkaver osztályának
munkatársa.

LETOVSKY, Otakar, dr.

From the experiment to a new method. Prace mzda 13 no.2:74-78 F '65.

1. Severocesky prumysl kameno National Enterprise, Liberec.

CA HEDVARY, V.

10

2,2'-Dinitro-4,4'-diformamido-3,3'-dimethoxybiphenyl
J. Hebbý and V. Látavský (Biochem. Research Inst.,
Prague, Czech.). *Chem. Listy* 48, 461(1961).--In an at-
tempt to reduce [2,4,6-tri(11,11,11,11-tetrafluoroethyl)-
lytically in HCONH₂. 2,2'-dinitro-4,4'-diformamido-3,3'-
dimethoxybiphenyl was isolated. M. Hudlíček

5

LETOVSKY, V.

7

Distr: 4E2Gkj)

~~Lanthranic acid and p-nitrated alkyl aryl ketones. Lud-
 vik Hlaba and Vladimir Letovsky. Czech. 87,054, Sept.
 18, 1957. Tech. mixt. (320 g.), contg. p-O₂NC₆H₄CO-
 Me 3-10, o-O₂NC₆H₄COMe 40-50, nitroethylbenzenes 35-
 40, and solvents 5-10%, mixed with 850 g. 32% NaOCl,
 stirred 3 hrs. at 45°, cooled to 0°, crystals of p-O₂NC₆H₄-
 CO₂Na (I) sepd., the filtrate treated with C, acidified and
 crude o-O₂NC₆H₄CO₂H (II) sepd. gives both acids in 95%
 yield. The I-II ratio is in proportion to the compn. of the
 starting mixt. II (167 g.) reduced with 108 g. powd. Fe in
 dil. HCl, the soln. made alk. with NH₄OH, the Fe(OH)₃
 sepd., the filtrate evapd., and acidified with AcOH gives
 75-80% o-H₂NC₆H₄CO₂H, m. 144°. L. J. Upr...~~

4
2 may
1

SB
1

Q&Q

CZECHOSLOVAKIA

BUDĚŠINSKY, Z.; LEPENSKY, V.; Research Institute for Pharmacy and Biochemistry (Vyzkumny ústav pro Farmacii a Biochemii), Prague.

"5 - Arylpyrimidines. III. 5-Arylisocytosines and 5-Aryl-4-thioisocytosines."

Prague, Ceskoslovenska Farmacie, Vol 15, No 8, Oct 66, pp 432-437

Abstract [Authors English summary modified]: 5-phenylisocytosines were prepared by condensation of enolethers of alpha-formylphenylacetates; these were transformed through nitro-phenyl substances to corresponding aminophenyl derivatives. Reaction of P_2S_5 with 5-phenylisocytosines produced 2-amino-4-mercapto-5-phenylpyrimidines; ethylchloroacetate produced 2-amino-4-ethoxycarbonylmethylthio-5-phenyl-pyrimidines, which were hydrolyzed to free acids. Nitration of the esters produced nitrophenyl derivatives, and their reduction aminophenylesters. The products were tested for pharmaceutical, bacteriological, and virological applications. They show a therapeutic effect in mice who were infected by the influenza A PR-8 virus; the dose used was 1.5 mg per mouse per day. 4 Tables, 4 Western, 4 Czech references. (Manuscript received 23 Apr 66).
1/1

LETOWSKA, Zofia; SABORSKI, Zygmunt; KRASIEJKO, Irena

The evaluation of the action and use of tetraerine "Polfa" in clinical jaw surgery. Czas. stomat. 18 no.3:265-269 Mr'65.

1. Z Oddziału Chirurgii Szczękowej PSK Nr.1 w Warszawie (Kierownik: prof. dr. med. F. Błhdanowicz); z IV Kliniki Chorob Wewnętrznych Akademii Medycznej w Warszawie (Kierownik: prof. dr. med. Z. Askanas) oraz z Zakładu Mikrobiologii Lekarskiej Akademii Medycznej w Warszawie (Kierownik: prof. dr. med. E. Mikulasek).

LETOWSKI, Antoni; BORKOWSKI, Josef

Labor acceleration and anesthesia with the method of Louron. Ginek
pol. no.4:469-473 '62.

1. Z Oddziału Położnictwa i Chorob Kobiety Szpitala Marynarki
Wojennej Crdymator: dr med. A. Letowski.
(NATURAL CHILDBIRTH) (OXYTOCIN)

MIERZJEWski, Wieslaw; LETOWSKI, Antoni

Remote results after surgical treatment of cervical cancer in the 1st
Obstetric and Gynecological Clinic of the Academy of Medicine in Gdansk.
Ginek. pol. no.4:475-479 '62.

1. Z I Kliniki Polonictwa i Chorob Kobiacych AM w Gdansku Kierownik:
prof. dr. med. S. Motler.

(CERVIX NEOPLASMS)

LETOWSKI, Antoni; MEYER, Jerzy.

Fatal case of multiple embolism of the branches of the pulmonary artery caused by morphotic components of the amniotic fluid in labor; so-called amniotic fluid of various branches of the pulmonary artery. Polski tygod. lek. 12 no.30:1157-1161 22 July 57.

1. Z oddzialu polozniczo-ginekologicznego i z pracowni anatomo-patologicznej 7 Szpitala Marynarki Wojennej. Adres: Gdansk-Oliwa, ul. Polanki 117.

(PULMONARY EMBOLISM AND THROMBOSIS, etiology and pathogenesis, morphotic components of amniotic fluid, fatal case (Pol))

(LABOR, complications, pulm. embolism by morphotic components of amniotic fluid, fatal case (Pol))

(AMNIOTIC FLUID, morphotic components causing fatal pulm. embolism (Pol))

L 31429-66 EWP(j)/:00000/TTT I P(c) DS/JD/ES/WW/JG/RM

ACC NR: AP6023143

SOURCE CODE: PO/0046/66/011/001/0013/0028

AUTHOR: Letowski, Franciszek; Niemiec, Jan

ORG: Institute for Inorganic Chemistry and Metallurgy of Rare Elements, Wroclaw Polytechnic, Wroclaw (Instytut Chemii Nieorganicznej i Metalurgii Pierwiastkow Rzadkich Politechniki Wroclawskiej)

TITLE: Diagrams of electrochemical equilibria in U-H sub 2 O-CO sub 2 system at 25 DEG

SOURCE: Nukleonika, v. 11, no. 1, 1966, 13-28

TOPIC TAGS: electrochemistry, chemical equilibrium, carbonate, thermodynamic property

ABSTRACT: The diagrams of electrochemical equilibria⁷ E-pH for the system U-H₂O-CO₂ at 25°C are presented for which the total carbonate activities [(H₂CO₃) + HCO₃⁻ + (CO₃²⁻)] in solutions equal to: 10⁻³, 10⁻², 10⁻¹, 10⁰, and 10^{0.6} were accepted. Additionally, three-dimensional models of equilibria in E-pH-log [(H₂CO₃) + (HCO₃⁻) + (CO₃²⁻)] coordinate system and thermodynamical corrosion conditions of uranium in carbonate solution are given. Orig. art. has: 11 figures and 2 tables. [Based on authors' Eng. abst.] [NA]

SUB CODE: 07 / SUBM DATE: 23Oct65 / ORIG REF: 001 / OTH REF: 011

Card 1/1 JT

0915

1353

SHUSTOVA, L.M.; LETROVICH, S.L.

Unification of the registration of coli bacilli in sanitation and
bacteriological examinations of food products. Gig.i san. no.5:32-35
My '54. (MLRA 7:5)

1. Iz Moskovskoy gorodskoy sanitarno-epidemiologicheskoy stantsii.
(Escherichia coli)(Food--Bacteriology)

LETSENKO, I.F., KRAYTS, Z.S., BOKOVOY, A.P.

Vinyl esters of phosphorus acids.

Khimiya i Primeneniye Fosfororganicheskikh Soyedineniy (Chemistry and application of organophosphorus compounds) A. YE. ARHIZOV, Ed. Publ. by Kazan Affil. Acad. Sci. USSR, Moscow 1962, 632 pp.

Collection of complete papers presented at the 1959 Kazan Conference on Chemistry of Organophosphorus Compounds.

LETSIUS, P.K.

Design of frames for horizontal loading. Izv.vys.ucheb.zav.;
stroit. i arkhitekt. 4 no.6:7-13 '61. (MIRA 15:2)

1. Vsesoyuznyy zaochnyy inzhenerno-stroitel'nyy institut.
(Structural frames)

BORISOV, V.V., inzh., red.; NEMIROVSKIY, B.S., kand. voyen. nauk, red.; LETSKAYA, N.M., inzh., red.; SHIFRIN, A.Sh., inzh., red.; RUDENKO, L.D., inzh., red.; DYATLOV, T.D., inzh., red.

[Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Stroiizdat. Pt.3. Sec.D. ch.11, Pt.3. Sec.M. ch.4. 1964. (MIRA 18:4)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosstroy SSSR (for Borisov). 3. Nauchno-issledovatel'skiy institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu Akademii stroitel'stva i arkhitektury SSSR (for Nemirovskiy, Shifrin). 4. Gosudarstvennyy proyektno-izyskatel'skiy i nauchno-issledovatel'skiy institut Grazhdanskogo Vozdushnogo Flota (for Letskaya). 5. Proyektная organizatsiya Gosudarstvennogo komiteta po sudostroyeniyu SSSR (for Dyatlov, Rudenko).

LEVIN, A.I.; LETSKIKH, Ye.S.

All-Union Conference on Copper Refining. TSvet.met. 34 no.9:86-88
S '61. (MIRA 14:10)

(Copper industry--Congresses)

LEVIN, A.I.; LETSKIKH, Ye.S.

Interuniversity conference on the electrodeposition of nonferrous
metals. *Tsvet. met.* 36 no.10:82-84 0 '63. (MIRA 16:12)

LEVIN, A.I.; LETSKIKH, Ye.S.; MUKHIN, V.A.; NOMBERG, M.I.

Balance of bath voltage and ways to improve the operation of
electrolytic cells in copper electrolysis plants. TSvet. met.
35 no.11:52-57 N '62. (MIRA 15:11)
(Copper--Electrometallurgy)

LETSKIKH, Ye.S.; LEVIN, A.I.

Anodic processes in the electrolytic refining of copper. *TSvet.*
met. 36 no.7:29-35 J1 '63. (MIRA 16:8)
(Copper—Electrometallurgy) (Passivation)

KOCHEROV, V.I.; LETSIIKH, Yo.S.; MUKHIN, V.A.; LEVIN, A.I.

Bath voltage balance and ways of perfecting copper foil production. Izv. vys. ucheb. zav., tevet. met. 7 no.5:39-44
(MIRA 18:1)
'64

1. Kafedra tekhnologii elektrokhimicheskikh proizvodstv Ural'skogo politekhnicheskogo instituta.

LEVIN, A.I.; LETSIKH, Ye.S.; MUKHIN, V.A.; NOMBEG, M.I.

Balance of cell voltage and ways to economize electric power in the
electrorefining of copper. Izv.Vys. ucheb. zav.; tsvet. met. 5 no.4:
62-71 '62. (MIRA 15:10)

1. Ural'skiy politekhnicheskiy institut, kafedra tekhnologii elektro-
khimicheskikh proizvodstv.
(Copper—Electrometallurgy)

LETSKIKH, E. S. (Ural polytechnical institute S. M. Kirov)

"A consideration of peculiarities of the anode process during electrorefining of copper."

Report presented at the Intervuz Conference on Electrodeposition of Nonferrous Metals, Ural Polytechnical Institute im S. M. Kirov, Sverdlovsk, held from 27-30 May 1963

(Reported in Tsvetnyye Metally, No. 10, 1963, pp. 82-84)
JPRS 24,651 19 May 64

LETSKIY, E. K.

"A Learning Automatic Device of the Tabular Type."

Report submitted for the Symposium on Principles in the Design of
Self-Learning Systems, Kiev Ukr SSR, 5-9 May 1961

IVANOV, A.Z.; KRUG, G.K.; KUSHELEV, Yu.N.; LETSKIY, E.K.; SVECHINSKIY, V.B.

Self-teaching control system. Trudy MEI no. 44:47-156 '62.
(MIRA 16:5)

(Automatic control)

NETUSHIL, A.V., doktor tekhn.nauk, prof.; KRUG, G.K., kand.tekhn.nauk,
dotsent; LETSKIY, E.K., starshiy inzhener

Using "learning" systems in the automation of complicated
production processes. Izv.vys.ucheb.zav.; mashinestr. no.12:
121-129 '61. (MIRA 15:2)

1. Moskovskiy energeticheskiy institut.
(Automation)

KRUG, G.K. (Moskva); LETSK II, E.K. (Moskva)

Table-type learning automation. Avtom.i telem. 22 no.10:1360
1366 0 '61. (Automatic control) (MIRA 14:10)

L 58543-65 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EED-2/EWP(1) Fq-4/Pf-4/Pg-4/Pk-4 IJP(c)
BB/GG

ACCESSION NR: AP5012877

UR/0280/65/000/002/0074/0080

36
35
B

AUTHOR: Letnskiy, E. K. (Moscow)

TITLE: Problem of storage capacity^{bc} of a table-type learning automaton

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 2, 1965, 74-80

TOPIC TAGS: automaton, learning automaton

ABSTRACT: A table-type learning automaton (Soviet term) combines a search device that determines optimal values of controlling variables according to an algorithm with a storage which sets, in table form, the function connecting cyclically controlled input and controlling parameters of the process. The influence of the search device upon the storage permits changing its capacity in accordance with variation of characteristics of the plant; however, a large capacity is required for such systems. It is shown that, for a certain class of plant, an acceptable storage capacity combined with the above function (in table

Card 1/2

L 58543-65

ACCESSION NR: AP5012877

form) results in the best control. ¹⁴ The minimum of the average modulus of the error in determining the controlling parameter is used as a criterion for selecting the capacity of the table (or storage). A simplest information-storage algorithm used in the ATT-2M table automaton is considered. These conclusions are offered: (1) The use of the above variable storage may reduce the error of prediction and, therefore, the time of searching the optimum; (2) The storage capacity of a table automaton can be determined from the equation (4.9) observing the conditions (4.1); (3) The use of a sum of average moduli of errors as a criterion permits extending the theory over a vector-representation case: $\bar{E}(z_1, \dots, z_k)$. Orig. art. has: 4 figures and 42 formulas.

ASSOCIATION: none

SUBMITTED: 09Jul63

ENCL: 00

SUB CODE: DP

NO REF SOV: 007.

OTHER: 001

ann
Card 2/2

LETSKIY, K. M., BRUSLAVETS., A. I.

Vitamins

Effect of vitamin A on metabolism. Part 2. Effect of vitamin A deficiency on phosphorolysis in the liver. Ukr. biokhim. zhur. 22, No. 4, 1950

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED.

LETSKIY, L. ALPATOVA, N.

Training specialists. Avt. transp. 42 no.11:43-44 N '64.
(MIRA 17:12)

LETSKIY, L.

Improving qualifications of technicians by correspondence courses.
Avt.transp. 40 no.10:47-48 0 '62. (MIRA 15:11)

1. Gor'kovskiy zaachnyy avtodorozhnyy tekhnikum.
(Highway transport workers)

LETSKIY, V.B.

Transformation of the leucocytes of peripheral blood obtained from patients with acute reticulosis in explants.
Probl. gemat. i perel. krovi 8 no.12:30-36 D '63. (MIRA 17:9)

1. Iz tsitologicheskoy laboratoriya po izucheniyu leykozov (zav.- prof. V.V. Akkerman) i gematologicheskoy kliniki (zav.- prof. S.I. Sherman) Leningradskogo instituta perelivaniya krovi (dir.- dotsent A.D. Belyakov, nauchnyy rukovoditel' -- chlen-korrespondent AMN SSSR prof. A.N. Filatov).

LETSKO, A.P. [Liatsko, A.P.]

Motion of raw peat in a screw press. Vestsi AN BSSR. Ser. fiz.-tekh.
nav. no.3:101-104 '63. (MIRA 16:10)

LETSKO, A.P. [Liatsko, A.P.]

Mechanical treatment of sun-dried peat by a perforated screw-press.
Vestsi AN BSSR. Ser. Fiz.-tekh. nav. no.2:86-97 '63. (MIRA 17:1)

BEL'KEVICH, P.I.; NAUMOVICH, V.M.; LETSKO, A.P.

Piezothermal plastics from peat. Dokl. AN BSSR 6 no.4:240-242
Ap '62. (MIRA 15:4)

1. Institut torfa AN BSSR.
(Plastics) (Peat)

BEL'KEVICH, P.I., doktor khim. nauk; LETSKO, A.P., inzh.;
NAUMOVICH, V.M., doktor tekhn. nauk

Peat plastics as a new building material. Torf. prom. 39
no.5:17-19 '62. (MIRA 16:8)

1. Institut torfa AN BSSR.

LETTKE, Kazimierz, mgr

Development prospects of Czechoslovak transit shipping. Tech
gosp moraka 13 no.6: 165-167 Je '63.

1. Spedrapid, Gdynia.

LETTL, A.; BLASKO, B.; HAZA, J.

Preparation of antigens and vaccines against gas gangrene. J. hyg. epidem. 6 no.3:343-357 '62.

1. Institute of Sera and Vaccines, Praha.
(GAS GANGRENE) (ANTIGENS) (VACCINES)

LETTL, A.; NEKVASILOVA, K.; MORAVEC, K.; PETERA, A.; STEJSKAL, A.

Effects of products of heat degradation of glucose on growth and on formation of soluble antigens of *Clostridium tetani*. I. First report. J. hyg. epidem. (Praha) 8 no.3:301-306 '64

1. Institute of Sera and Vaccines, Prague.

IETTNER, F.

Tasks for technical development of the vehicle industry during the second-Five-Year Plan.
p.33. (Jarmuvek Mezogazdasagi Gepok. Budapest. Vol. 3, no. 2, Feb. 1956.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

LETTNER, Ferenc, dr., egyetemi tanár, tanszékvezető; P. PLAGANYI, Marta,
okleveles gépészmérnök; PAULOVITS, Imre, okleveles gépészmérnök

Effect of machining matching surfaces on the dynamic rigidity
of machine tools. Gep 15 no.5:190-194 My '63.

1. Budapesti Műszaki Egyetem Gépgyártástechnológiai Tanszék.
2. "Gep" főszerkesztője (for Lettner).

~~LETNER, Ferenc, dr., tanszekvezeto egyetemi tanar~~

The reform curriculum of the machine-building technology section.
Gep 15 no.3:122-124 Mr '63.

1. Budapesti Muszaki Egyetem Gepgyartastechnologiai Tanszeka;
"Gep" foszerkesztoje.