"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENMAN, L. A., BERESNEVA, Ye. I.

Diphtheria Antitoxin

Result of a comparative study of antidiphtheria serums. Sov. med. 16 no. 3, 1952

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

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

AUTHORS: Kudryavtsev, I. V., Dor of Tech. Sc. Prof. and Rozenman, L. M., Eng.

129-7-2/16

TITLE: On the elimination of residual stresses during axial loading of surface work-hardened rods. (O snyatii ostatochnykh napryazheniy pri osevykh nagruzheniyakh poverkhnostno-naklepannykh sterzhney).

PERIODICAL: "Metallovedenie i Obrabotka Metallov" (Metallurgy and Metal Treatment), 1957, No.7, pp.7-13 (U.S.S.R.)

ABSTRACT: The problem of the stability of residual stresses and components subjected to static or alternate loading has been studied relatively little. On the basis of theoretical considerations it appears that residual stresses can, to a certain extent, remain conserved even after a component has been stressed to the yield point or even higher. Experimental data on the removal of residual stresses by a single static loading of a rod are in agreement with this view and full removal of the stresses is reached only if the magnitude of the load exceeds appreciably the yield point; the results of Byuler (same journal, 1955, No.4, p.59) are reproduced in Fig.3, p.9, in which the changes in the residual stresses in steel rods after static tension are plotted for loads of 49.2, 65.7 and 72.3 kg/mm^2 respectively for steel with $\sigma_{0.2}$ = 63.7 kg/mm^2. Thereby, the residual stresses were produced by rapid cooling of

Card 1/3

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

On the elimination of residual stresses during X-ray loading of surface work-hardened rods. (Cont.) 129-7-2/16

specimens from temperatures between 600 and 680 C. The authors of this paper studied the residual stresses in specimens of Steel 45 subjected to alternate axial loading (0.49% C, 0.30% Si, 0.69% Mn, 0.036% S, 0.026% P and 0.18% Ni). The specimens were preliminarily work-hardened by surface rolling with a three-roll device fitted onto a lathe, as a result of which the hardness at the surface increased from 170 to 260 H_V and the depth of the hardened layer was about 3 mm. Fig.5 reproduces the results of fatigue tests of smooth specimens of 25 mm with and without being subjected to work-hardening. Fig.6 shows the epures of the axial residual stresses in the work hardened specimens after loading on a pulsator with various stresses. Fig.7 represents the changes in the magnitude of residual stresses of surface layers of work-hardened specimens as a function of the loading regime. It is concluded that a certain fraction of the residual stresses can be conserved even in cases in which the axial load reaches magnitudes corresponding to the yield point of the material. The earlier observed high stability of residual stresses in the case of repeated alternate loading of rods subjected to bending or torsion occurs also in the case of alternate tensile stress by using axial loads. Extensive application of tensile

Card 2/3

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENMAN L.M.

KUDRYAVTSEV, I.V., doktor tekhn. nauk, prof.; NAUMOVA, T.V., inzh.; ROZENMAN, L.M., tekhnik.

Effect of peening on the mechanical properties of carbon steel. Metalloved. i obr. met. no.3:2-6 Mr '58. (MIRA 11:3)

1. TSentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya.
(Steel--Testing) (Deformations (Mechanics))

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

KUDRYAVTSEV, I.V., doktor tekhn.nauk; NAUMOVA, T.V., inzh.; ROZENMAN, L.M., inzh.

Effect of cold hardening on the durability of carbon steel.
[Trudy] TSNIITMASH 91:129-141 '59. (MIRA 12:8)
(Hard facing) (Steel--Testing)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

KUDRYAVTSEV, I.V., doktor tekhn.nauk; SAVVINA, N.M., kand.tekhn. nauk; ROZENMAN.L.M., inzh.

Causes of reduction of the fatigue strength in steel in the zones of contact. Metalloved. i term obr. met. no.7:3-7 Jl '60. (MIRA 13:10)

1. TSentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya.
(Steel--Fatigue) (Mechanical wear)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

S/129/61/000/003/011/011
E073/E335

AUTHORS: Kudryavtsev, I.V., Doctor of Technical Sciences, Professor and Rozenman, L.M., Engineer

TITLE: Fatigue Strength of Notched Rolls Which are Work-hardened on the Surface

PERIODICAL: Metallovedeniye i termicheskaya obrabotka metallov, 1961, No. 3, pp. 55 - 57

TEXT: The authors investigated the influence of surface-hardening on the fatigue strength of rolls with circular notches made after surface work-hardening with rolls. The depth of the notches was either commensurate with the depth of the work-hardened layer or was in excess of that depth. For comparison, the authors also investigated notched specimens which had not been work-hardened. The experiments were made for verifying an assumed distribution of residual stresses in the notched zone in surface work-hardened rolls, as shown in Fig. 1 (t - depth of notch, b - depth of the work-hardened layer). If the residual stresses are distributed as shown in Fig. 1, the fatigue strength of surface work-hardened specimens

Card 1/5

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

should be higher even if the depth of the notch exceeds the depth of the work-hardened layer. Hot-rolled rods, 32 mm in dia. of steel 45 (0.54% C, 0.70% Mn, 0.23% Si, 0.027% P and 0.021% S) were investigated. After annealing the blanks in the specimens had the following properties:

σ_b 63.1 kg/mm^2; σ_s 28.6 kg/mm^2; δ_5 22.5%; ψ 43.6%; H_B 187 . From this specimen steel, cylindrical fatigue specimens with circular notches of various depths were produced. To eliminate the influence of work-hardening from the cutting tool, the final dimensions were achieved by using a grinding wheel (for removing an 0.2 mm thick layer). For specimens which had been work-hardened by means of rollers, the notches were made prior to work-hardening. Work-hardening with rollers was effected on a lathe with a three-roll spring-operated device, using 20 mm dia. rolls and applying a pressure of 250 kg. Fatigue tests were carried out on a TsNIITMASh type УПМ (UIPM) machine: alternate pure

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

bending of rotating specimens. Testing was on a 10 million cycle basis. Fig. 2 shows the fatigue curves for smooth (Curves 1) and notched (Curves 2 - work-hardened; Curves 3 - not work-hardened) specimens. In each case, the stress, kg/mm^2 is plotted versus the number of cycles, $N \times 10^6$. The fatigue limit versus depth of the circular notch is plotted in Fig. 3. Line 1 applies to specimens which were work-hardened prior to producing the notches; line 2 applies to specimens which were not work-hardened. The depth of the work-hardened layer was about 1.8 mm. It was established that surface work-hardening increases appreciably the fatigue strength of cylindrical components with a single notch, whereby this notch can be considerably deeper than the depth of the work-hardened layer. The favourable influence of surface work-hardening for specimens with single notches is explained by the redistribution of the residual compression stresses in the notch zone. In the case of multiple notches, there is no

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

S/129/61/000/003/011/011
E073/E335

Fatigue Strength ....

difference between the behaviour of surface work-hardened and non-surface work-hardened specimens.
There are 4 figures.

ASSOCIATION: TsNIITMASh

Fig. 1:

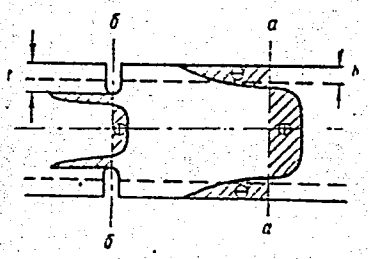
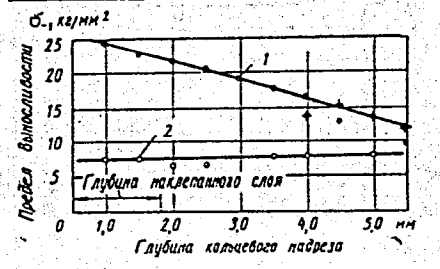


Fig. 3:



Card 4/5

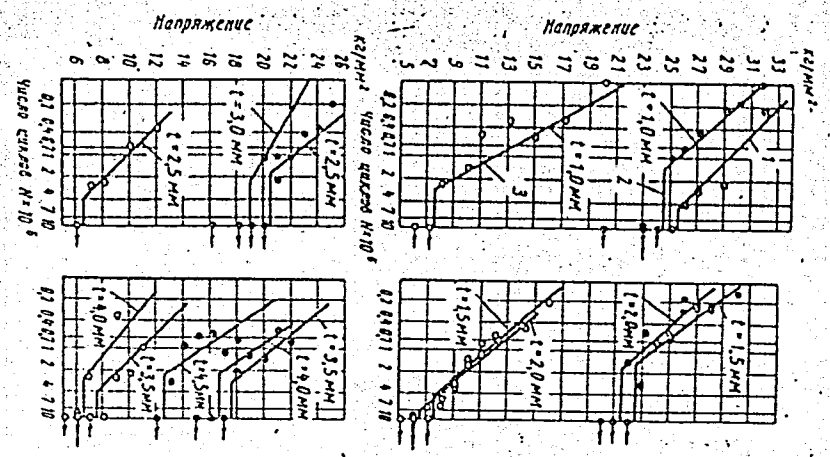
APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

S/129/61/000/003/011/011
E073/E335

Fatigue Strength ....

Fig. 2:



Card 5/5

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENMAN, M. A.,
N. N. ORLOV, Ukrain. Khem Zhur. 9, 221-61 (1934)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

NIKOLYUK, I.D., inzh.; GOL'DFEL'D, I.Ye., inzh.; ROZENMAN, M.B., inzh.

Machine for making panels of shed roofs. Stroi. i dor. mashinostr. 5 no.8:59-31 Ag '60. (MIRA 13:8)
(Concrete slabs) (Roofs, Shell)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENMAN, YE. A.

LERNER, Aleksandr Yakovlevich; KARABANOV, V.A., kand.tekhn.nauk, retsenzent; ROZENMAN, Ye.A., kand.tekhn.nauk, red.; POLYAKOV, G.F., red.izd-va; SOKOLOVA, T.F., tekhn.red.

[Introduction to the theory of automatic control] Vvedenie v teoriiu avtomaticheskogo regulirovaniia. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1958. 351 p. (MIRA 11:4)
(Automatic control)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENMAN, Yakov Aleksandrovich; BORISOV, Aleksandr Iosifovich; ZLATKIN, M.G., red.; KEL'NIK, V.P., red.izd-va; ZEF, Ye.M., tekhn.red.

[Practices of forging shops of metallurgical plants] Opyt kuznechnykh tsekhov metallurgicheskikh zavodov. Sverdlovsk, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, Sverdlovskoe otd-nie, 1956. 77 p. (MIRA 12:3)
(Forging)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENMAN, YA. A., et al.

Technology

Svarka pri remonte metallurgicheskogo oborudovaniia (Welding in the repair of metallurgical equipment). Moskva, Metallurgizdat, 1951. 233 p.

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

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

25(1) PHASE I BOOK EXPLOITATION SOV/2966

Rozenman, Yakov Aleksandrovich, and Aleksandr Iosifovich Borisov

Opyt kuznechnykh tsekhov metallurgicheskikh zavodov (Forge Shop Practice at Metallurgical Plants), Sverdlovsk, Metallurgizdat, Sverdlovskoye otd-niye, 1956. 77 p. Errata slip inserted. 3,700 copies printed.

Ed.: M. G. Zlatkin; Ed. of Publishing House: V. P. Kel'nik; Tech. Ed.: Ye. M. Zef

PURPOSE: This book is intended primarily for skilled workers in forge shops, but may also be useful to technical personnel.

COVERAGE: The book describes technological advances made at three Soviet plants (Pervoural'sk New Tube Plant, Magnitogorsk Metallurgical Plant, and Novotagil'skiy Metallurgical Plant) in the field of open-die and blacksmith- die forging. Matters of work organization are also discussed. No personalities are mentioned. There are 15 references, all Soviet.

Card 1/4

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

Forge Shop Practice SOV/2966

TABLE OF CONTENTS:

Preface 3

Introduction 5

Ch. I. Production of Large Forgings 7
1. Forging of ring-type parts 7
2. Forging of conveyor rollers 11
3. Forging of mandrel heads 14
4. Cutting-off of blanks with forging hammers 15
5. Forging of hooks 17
6. Forging of roll passes 21
7. Forging of hoist shafts 25
8. Forging of bevel pinions 25
9. Forging of flanges 27
10. Forging of three-throw crankshafts 30
11. Forging of safety spindles 32

Card 2/4

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

Ch. II. Production of Small Forgings 34
12. Forging of wrenches 34
13. Forging of tee-pieces 36
14. Production of helical springs 36
15. Production of [railroad-car] bumper sockets 39
16. Forging of flanged clevises 40
17. Production of bolts with cotter slots 41
18. Production of single-point cutting tools 41
19. Forging of bent-shank single-point tools 43
20. Forging of straight-shank single-point tools 44
21. Forging of undercutting tools 45
Regular tools 45
Single-point tools for high-speed turning 46
22. Forging of double-end cut-off tools 47
Rectangular tools 47
Tipped tools 47
23. Forging of gooseneck-type cut-off tools 50
24. Forging of tool bits 51

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

Forge Shop Practice SOV/2966

25. Forging of external-thread-cutting tools 51
26. Forging of single-point boring tools 53

Ch. III. Planning, Work Organization, and Work-Place Setup 55
27. Planning 55
28. Preparation of production 58
29. Work organization 59
30. Setting up the work place 61
31. Ways of improving performance and output indices 68
Reduction of labor consumption 68
Utilization of available working time 70
Communication of improved methods 71
Economy of metal 72
Economy of steam, air, electric power, and fuel 74
32. Safety engineering 75

Bibliography 79

AVAILABLE: Library of Congress (TS225.R68)

Card 4/4

VK/mmh
1-8-60

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

AUTHOR: Rozenman, Ye. A. (Moscow) 103-19-7-2/9

TITLE: On the Limit Velocity of Transient Processes in Servosystems With Power Torque and Rate Limitations of the Power Unit (O predel'nom bystrodeystvii sledyashchikh sistem s ogranichennym po moshchnosti, momentu i skorosti ispolnitel'nym elementom)

PERIODICAL: Avtomatika i telemekhanika, 1958, Vol. 19, Nr 7, pp. 633 - 653 (USSR)

ABSTRACT: In this paper besides the restrictions with regard to current and velocity also the restriction with regard to the dissipated power (or heating) are investigated. This leads to the restriction not only of the momentary value but also of the mean square value of one of the system coordinates. It is assumed that the energy source does not exclude the possibility to use a switching motor. In this case the shortest transient process for the given circuit element (i.e., in case of its given inertia) is determined by the following limit characteristics of the motor: 1) The maximum permissible current i_m of the motor, 2) the maximum speed ω_m, 3) the motor power, i.e., the maximum permissible overheating τ_m. Here a motor the torque of which is proportional to the amperage is

Card 1/3

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

examined. The inductivity of the armature circuit is neglected. Therefore the state of the circuit element in the transient process is completely determined by its angular velocity and by the angle coordinate φ. Thus, the problem of the optimum transition process is as follows: The current variation law i (t) is to be found. This must agree with the restrictions $(i \leqslant i_m, \omega < \omega_m, \tau \leqslant \tau_m)$ so that the time t_B for the motion of the system from the initial state $(\varphi = \varphi_0, \omega = \omega_0)$ into the rated state $(\varphi = \varphi_k, \omega = \omega_k)$ is a minimum. On this occasion $\tau(0) = \tau_0$. An analogous problem with consideration of only one restriction with regard to the heating $(\tau \leqslant \tau_m)$ was solved in reference 6. Here the problem on the optimum transient process is investigated under consideration of all mentioned restrictions and on some practically acceptable assumptions. The results obtained here easily can be generalized for that case where the heat dissipation from the motor and from its load is controlled, and if the initial state is not a state of equilibrium. The phase plane of the system states is split up according to the character of the optimum

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

On the Limit Velocity of Transient Processes in Servosystems With Power Torque and Rate Limitations of the Power Unit 103-19-7-2/9

transient processes under the above-mentioned restrictions. The variation problem is solved and the form of the shortest process is determined. There are 12 figures, 2 tables, and 6 references, 5 of which are Soviet.

SUBMITTED: April 19, 1957

1. Servo systems--Analysis 2. Servo systems--Electrical factors 3. Electric motors--Performance

Card 3/3

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

PA 19/49T56

ROZENMAN, YE. A.

Oct 48

USSR/Engineering
Rolling
Mathematics, Applied

"Conversion Processes Occurring During Cold Rolling Under Tension," Ye. A. Rozenman, Cand Tech Sci, A. Ya. Lerner, Designing and Repair Trust, MEP and Inst of Automatics and Telemech, Acad Sci USSR, 9 pp

"Stal'" No 10

Analysis of tension alteration during cold rolling of strip, taking account of elongation and forward-flow effect, enables more accurate statement of laws governing process and provides data on which calculations may be based.

19/49T56

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENMAN, Ye. A.

CHELYUSTKIN, A.B.; ROZENMAN, Ye.A.; FEYGIN, V.I., redaktor; NEPOMNYASHCHIY, N.V., redaktor; ATRUPOVICH, M.K., tekhnicheskiy redaktor.

[Automatic control of rolling-mill machinery] Avtomaticheskoe upravlenie prokatnymi stanami. Izd.2-oe, perer. i dop. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii. 1955. 614 p. (MLRA 8:12)

(Rolling-mill machinery)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENMAN, YE. A.

PA - 3574

AUTHOR: ROZENMAN, Ye.A. (Moscow)

TITLE: Optimum Transients in Saturating Power Systems (Ob optimal'nykh perekhodnykh protsessakh v sistemakh s ogranichennoy moshchnost'yu, Russian).

PERIODICAL: Avtomatika i Telemekhanika, 1957, Vol 18, Nr 6, pp 497 - 513 (U.S.S.R.)

ABSTRACT: The element with limited efficiency, which is investigated, is an electromotor the angular momentum of which is proportional to the current. The problem of the shape of the shortest transition process in a system with limited efficiency (heating) is solved. In the present instance a system with a cyclic law for modifications of the problem is dealt with. Mathematically expressed, a law concerning modification according to the time $i(t)$ is sought, in which case the time t_B of the motion of the system from the initial position $\varphi(0) = \varphi_0$, $\omega(0) = \omega_0$ into the required position $\varphi(t_B) = \varphi_k$, $\omega(t_B) = \omega_k$ is supposed to be a minimum. This problem is simplified, so that it is reduced to the task of finding $i(t)$, in order that t_B has the minimum value under the following conditions: $\varphi(0) = 0$, $\omega(0) = 0$, $\tau(0) = 0$, $\varphi(t_B) = \varphi_k$, $\omega(t_B) = \omega_k$, $\tau(t_B) = \tau_m$. (τ_m is the value which should not be exceeded by the heating τ

Card 1/2

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

GRIGOR'YEV, S.S.; BEREN, B.B.; ROZENMAN, Ye.B.; MYAGKOV, V.A., redaktor; POLTEVA, B.Kh., redaktor izdatel'stva; SHITS, V.P., tekhnicheskiy redaktor

[Work experience of the Vyazemskiy Forest Industry Establishment] Opyt raboty Viazemskogo lespromkhoza. Sost. S.S. Grigor'ev i dr. Moskva, Goslesbumizdat, 1956. 23 p. (MLRA 10:4)

1. Russia (1923- U.S.S.R.) Ministerstvo lesnoy promyshlennosti. TSentral'noe biuro tekhnicheskoi informatsii.
(Vyazemskiy--Forests and forestry)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

CHUKHNO, A.A.; KOZLOV, G.A.; KASHCHENKO, A.I.; AGANBEGYAN, A.G.; VOLKOV, M.I.; ZHUKOVSKIY, Ya.M.; NAGORNYY, A.F.; TSAGOLOV, N.A.; KOVALEVA, M.F.; PAVLOV, P.M.; ATLAS, M.S.; KATS, A.I.; NAROVLYANSKIY, N.G.; ANCHISHKIN, I.A.; SPIRIDONOVA, N.S.; KRONROD, Ya.A.; SULIMOV, I.A.; BREGEL', E.Ya.; ROZENMAN, Ye.S.; VARTANYAN, K.A.; NOVIKOV, V.A.; GATOVSKIY, L.M.

Structure and content of the course on the economics of socialism. Vop. ekon. no.6:57-143 Je '62. (MIRA 15:6)

1. Kiyevskiy gosudarstvennyy universitet (for Chukhno). 2. Vysshaya partiynaya shkola pri TSentral'nom komitete Kommunisticheskoy partii Sovetskogo Soyuza (for Kozlov, Volkov, Zhukovskiy). 3. Yaroslavskiy gosudarstvennyy pedagogicheskiy institut (for Kashchenko, Narovlyanskiy, Sulimov). 4. Institut ekonomiki i organizatsii promyshlennogo proizvodstva Sibirskogo otdeleniya AN SSSR (for Aganbegyan). 5. Institut povysheniya kvalifikatsii prepodavateley obshchestvennykh nauk pri Kiyevskom gosudarstvennom universitete (for Nagornyy). 6. Moskovskiy gosudarstvennyy universitet (for TSagolov, Spiridonova). 7. Akademiya obshchestvennykh nauk pri TSentral'nom komitete Kommunisticheskoy partii Sovetskogo Soyuza (for Kovaleva). 8. Leningradskiy finansovo-ekonomicheskiy institut (for Pavlov). 9. Moskovskiy finansovyy institut (for Atlas). 10. Nauchno-issledovatel'skiy institut truda (for Kats). 11. Institut ekonomiki AN SSSR (for Anchishkin, Kronrod). 12. Moskovskiy ekonomiko-statisticheskiy institut (for Bregel'). 13. Moskovskiy energeticheskiy institut

(Continued on next card)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

CHUKHNO,---(Continued) Card 2.

(for Rozenman). 14. Armyanskiy sel'skokhozyaystvennyy institut (for Vartanyan). 15. Permskiy politekhnicheskiy institut (for Novikov). 16. Chlen-korrespondent Akademii nauk SSSR, glavnyy redaktor zhurnala "Voprosy ekonomiki" (for Gatovskiy).

(Economics--Study and teaching)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENMAI, M. A.

Extra

538.247

6356. Ballistic demagnetization coefficient for prismatic bars. M. A. ROZENBLAT. *J. Tech. Phys., USSR*, 20, 1117–20 (Sept. 1950) In Russian.

Such demagnetization factors have been given by Arkadiev and Sondheimer, and were based on the inscribed ellipsoid of revolution and three-axed ellipsoid, respectively. The new formula presented is also based on a three-axed ellipsoid of the same length, cross-section, but also the same mean perimeter as the prismatic bar, and takes the form $N = 16\delta d/l(\log \pi\chi l/(\delta + d) - 1)$, where the shape factor χ depends on the ratio of the axes a/b of the ellipsoid and is computed by elliptic integrals. Comparison with experimental results and the same special cases calculated by the older formulae shows the considerable improvement in accuracy achieved; an estimate of the theoretical error shows that it will always lie within admissible limits, which does not apply to the other formulae. The experimental determination of the ballistic demagnetization factor was made on permalloy and transformer sheet strips [illegible] composed of such [illegible]

R. F. KRAUS

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENNAL', I.L.; CHERNAVSKIY, D.S.

Theoretical and experimental data on the production of high-energy particles. Usp.fiz.nauk 52 no.2:185-238 '54. (MLRA 7:3)
(Particles) (Nuclear physics)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENNI, A. I.

538.247

6356. Ballistic demagnetization coefficient for prismatic bars. M. A. ROZENBLAT. *J. Tech. Phys., USSR*, 20, 1117-20 (*Sept.*, 1950) *In Russian.*

Such demagnetization factors have been given by Arkadiev and Sondheimer, and were based on the inscribed ellipsoid of revolution and three-axed ellipsoid, respectively. The new formula presented is also based on a three-axed ellipsoid of the same length, cross-section, but also the same mean perimeter as the prismatic bar, and takes the form $N = 16\delta d/l(\log \pi\chi l/(\delta + d) - 1)$, where the shape factor χ depends on the ratio of the axes a/b of the ellipsoid and is computed by elliptic integrals. Comparison with experimental results and the same special cases calculated by the older formulae shows the considerable improvement in accuracy achieved; an estimate of the theoretical error shows that it will always lie within admissible limits, which does not apply to the other formulae. The experimental determination of the ballistic demagnetization factor was made on permalloy and transformer sheet strips as such, compared with toroids composed of such sheet material.

H. F. KRAUS

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

NIKONOV, German Pavlovich, kand. tekhn. nauk; ROZENOER, S.T., nauchn. red.; ROGAL'SKAYA, L.I., red.; TOKER, A.M., tekhn. red.

[Hydraulic excavator operator] Gidromonitorshchik. Moskva, Vses. uchebno-pedagog.izd-vo Proftekhizdat, 1961. 158 p. (MIRA 14:12)
(Excavating machinery)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENOV, A.L.

Krasnaya Presnya. Gor.khoz. Mosk. 29 no.12:4-5 D '55. (MLRA 9:3)

1. Predsedatel' Ispolkoma Krasnopresnenskogo rayona.
(Moscow--Description)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZANOV M.E.

VENIKOV, V.A., doktor tekhnicheskikh nauk, professor; LITKENS, I.V., kandidat tekhnicheskikh nauk; ROZANOV, M.E., kandidat tekhnicheskikh nauk.

Increasing the capacity of large generators using strong excitation control. Vest.elektroprom. 27 no.9:9-15 S '56. (MIRA 10:9)

1. Moskovskiy energeticheskiy institut imeni V.M.Molotova.
(Electric generators) (Voltage regulators)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROMANOVSKIY, N.T.; BUDAVEY, V.Yu.; GRANTSEVA, R.T.; ROZENOVA, M.I.

New standards for the amortization of foundry equipment. Lit. proizv. no.10:28-31 O '60. (MIRA 13:10)

(Foundries--Equipment and supplies)
(Founding--Accounting)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENOVA, Yu. M.

"Synthesis of Aminosulfones: IV. Preparation of 4-Nitrophenyl-6'-(2' Amino-4'Methyl -Pyrimidyl)-Sulfide and Several of Its Derivatives," Zhur. Obshch. Khim., 19, No. 9, 1949.

Mbr., All-Union Sci. Res. Chemico-Pharmaceutical Inst. im S. Ordzhonikidze, -c1949-.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

[illegible]

[illegible] Y[illegible]; [illegible]; [illegible]; [illegible]

[illegible] synthesis of citral [illegible] [illegible]rene, [illegible]. 27 no.6:[illegible]-1912 [illegible]. ([illegible])

[illegible] [illegible]stel'skaya [illegible] [illegible] [illegible] [illegible] sintetic[illegible] [illegible] [illegible] "[illegible]."

(Citral) ([illegible])

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

OSOKIN, IU. V., and E. V. ROZENOVICH.

Osnovy tekhnicheskoi ekspolatatsii samoletov i motorov; pod red. G.K. Volkova. Moskva, Voenizdat, 1943. 250 p., illus.

Title tr.: Principles of the technical operation of airplanes and engines.

TL671.9.078

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

OSOKIN, IU. V., and E. V. ROZENOVICH.

Tekhnicheskoe obsluzhivanie samoletov i ikh silovykh ustanovok. Uchebnik dlia voen. aviatsionno-tekhn. uchilschch VVS; pod red. Volkova G.K. Moskva, Voenizdat, 1948. 462 p., illus.

Title tr.: Technical maintenance of aircraft and their power plants. A textbook for Air Force technical schools.

TL671.9.O8

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENOVICH, E. V. and OSOKIN, Yu. V.

"Servicing of Aircraft and Their Power Plants," (Tekhnicheskoye Obsluzhinaniye Samoletov i ikh Silovikh Ustanovok), Manual for Military Aviation Engineering Schools of the Army Air Force of the USSR. Published by the Ministry of Armed Forces, Moscow, 1948

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

KAMALOV, K.; VISHNYAKOVA, A.A.; IVANOV, V.P.; NABIYEV, M.N.; SADOVSKIY, K.D.; ROZENOVICH, V.A.; KALMANOVICH, L.A.

Development of the production technology for ammoniated superphosphate on the basis of a granulation equipment. Uzb.khim. zhur. 9 no.1:58-61 '65. (MIRA 18:6)

1. Institut khimii AN Uzbekskoy SSR.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

CA

The use of manufacturing wastes. V. A. Rozenovich. *J. Chem. Ind.* (U. S. S. R.) 17, No. 4-5, 81-3(1940).—Products obtained from slag and electrofilter powder are described. H. M. Leicester

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

A volumetric method for determining ferric and aluminum oxides in the presence of phosphoric acid. V. A. Rozenovich and A. I. Kupriyanova. *J. Chem. Ind.* (U. S. S. R.) 16, No. 9, 41-2(1939).—Fe^{+++} is reduced to Fe^{++} and detd. by titration with $K_2Cr_2O_7$ in HCl. Al_2O_3 and Fe_2O_3 are detd. together by pptn. as $AlPO_4$ and $FePO_4$ from a soln. contg. H_3PO_4 by careful neutralization with NH_3 in the presence of NH_4NO_3. The filtered and washed ppt. is dissolved in HCl and the soln. neutralized with NaOH to methyl orange. $CaCl_2$ is added and the soln. is titrated with NaOH and phenolphthalein, giving the reaction $4FePO_4 + 6NaOH + 3CaCl_2 + 2H_2O \rightarrow 2[Fe(OH)_2]_2HPO_4 + Ca_3(PO_4)_2 + 6NaCl$. The same with $AlPO_4$. H. M. Leicester

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

CH

Determination of ferrous, ferric and sulfide iron V. A. Rotenovich. *Zavodskaya Lab.* 10, 481-6(1941).—Decomp. 0.6-0.7 g. of the dross with 200 ml. of HCl (d. 1.19) in an atm. of CO_2, heat for 30 min., add 100 ml. water and boil for 30 min. more. Expel the H_2S with CO_2 and absorb in I, cool, add 150-200 ml. of Reinhardt mixt. and titrate with 0.1 *N* $KMnO_4$ in presence of diphenylamine as oxidizing indicator. When a slight bluish color forms discontinue passage of CO_2, wash the tubes with 10% H_2SO_4 and finish the titration with permanganate. To det. the total sulfide of Fe mix the I from the absorbers with the KI used for absorption of I vapors, dil. to 1000 ml. and use 200 ml. for titration of excess I with 0.1 *N* thiosulfate in presence of starch. Calc. the FeO and FeS from the total sulfide S. Calc. FeS_2 from percentage $FeS_2 = S_1 - (S_2 + S_3)(1.87)$, where S_1 is percentage of total S in the sample, S_2 is percentage of sulfide S and S_3 is percentage of sulfate S. $Fe_2O_3 = [\%Fe_{total} - (\%Fe^{++} + Fe_2)](1.43)$ where $Fe_2 = S_1 - (S_2 + S_3)(0.871)$. The method is accurate to within 0.5% for FeO and 0.2% for sulfide S.

B. Z. Kamich

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENOVICH, Yevgeniy Vasil'yevich, inzhener-polkovnik; GRACHEV, V.V., inzhener-polkovnik, red.; PISAREV, MS., inzhener-polkovnik, red.; SOKOLOVA, G.F., tekhn.red.

[Aviation fuels, oils, greases and special liquids; textbook for engineers and technicians of the air force] Aviatsionnye topliva, masla, smazki i spetsial'nye zhidkosti; posobie dlia inzhenerno-tekhnicheskogo sostava VVS. Pod red. V.V.Gracheva. Moskva, Voen. izd-vo M-va obor. SSSR, 1956. 195 p. (MIRA 11:6)

(Airplanes--Equipment and supplies)
(Fuels) (Lubrication and lubricants)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENOVICH, YE. V.

PA 16/49T10

USSR/Aeronautics, Military Aug 48
Airdromes

"Technical Maintenance of Aircraft at Aerodromes Without Hangars," Yu. Osokin, Lt Col of Aviation Tech Sv, Lt Col Engr Ye. Rozenovich, 4 pp

"Vest Vozdush Flota" No 8 (354)

Discusses choice of site for parking aircraft and open air maintenance of aircraft.

16/49T10

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENCVICH, YEVGENIY VASIL'YEVICH

N/5
735.613
.R8

Aviatsionnyye topliva, masla, smazki i spetsial'nyye zhidkosti; posobiye dlya inzhenerno-tekhnicheskogo sostava VVS (Aviation fuels, oils, greases and special liquids) pod red. V. V. Gracheva. Moskva, Minoborony, 1956.

195 p. illus., diagrs., tables.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

SHUMEYKO, A.K.; KENIN, S.L.; VALOVA, N.V.; ROZENOYER, A.A.

Separation of pure alcohols from a mixture by means of boric esters. Trudy VNIISNDV no.6:19-21 '63. (MIRA 17:4)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENOYER, A.A.

~~ROZENOYER, A.A.~~

Distr: 4E4j/4E2c(j)

New synthesis of citral from isoprene. K. V. Leets, A. K. Shumefko, A. A. Rozenoer, N. V. Kudryasheva, and A. I. Pilyavskaya (Synthetic Perfumes Plant, Leningrad). *Zhur. Obshchei Khim.* 27, 1510-12(1957).—Addn. of 70 g. dry HCl to 400 g. $CH_2:CMeCH:CH_2$, followed by diln. with 767 g. CH_2Cl_2 and addn. with cooling of 1 g. $SnCl_4$, and after 2 min. 20 g. $CO(NH_2)_2$, gave, after filtration of pptd. telomers, 98 g. products which yielded 50.5 g. terpenic chlorides, $C_{10}H_{17}Cl$, b_3 60-85°. This (41.5 g.) in dry Me_2CO treated with 17 g. urotropin 3 days yielded 31.5 g. quaternary salt, $C_6H_{12}N_4Cl$. This (30 g.) in 1.2 l. H_2O was treated with 20 g. 30% formalin, refluxed 0.5 hr., and steam-distd., yielding 10 g. citral, b_1 65-70°, which was converted to authentic pseudoionone and ionone. The Me_2CO soln. of residual chlorides after sepn. of the quaternary salt (above) was heated 2 hrs. with 10 g. urotropine, the sepd. crystals filtered off, the soln. evapd., the residual chloride hydrolyzed with aq. alc. $Pb(NO_3)_2$ and $PbCO_3$ 3 hrs. at reflux, and the resulting alcs. converted to the borates by treatment with $(BuO)_3B$, which after sepn. by distn. and hydrolysis gave 8 g. terpenyl alc., identified as *dl*-α-terpineol, m. 33°.

O. M. Kosolapoff

8
2 may
2

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

AL'TSHULER, Z.Ye., inzh.; BASTUNSKIY, M.A., inzh.; BERSTEL', V.N., inzh.; BIRENBERG, I.E., inzh.; BOGOPOLSKIY, B.Kh., inzh.; BUKHARIN, S.I., inzh.; GERSHTEYN, B.G., inzh.; GRINSHPUN, L.V., inzh.; DREYYER, G.I., inzh.; DINERSHTEYN, A.G., inzh.; ZLATOPOL'SKIY, D.S., iznh.; KLANYUK, A.V., inzh.; KOZIN, Yu.V., inzh.; LEVITIN, I.P., inzh.; MEL'NIKOV, L.F., inzh.; MEL'KUMOV, L.G., inzh.; NADEL', M.B., inzh.; PAVLOV, N.A., inzh.; PASLEN, D.A., inzh.; PESIN, B.Ya., inzh.; PYATKOVSKIY, P.I., inzh.; RAZNOSCHIKOV, D.V., inzh.; ROZENOYER, G.Ya., inzh.; ROZENBERG, R.L., inzh.; ROYTENBERG, N.L., inzh.; RYABINSKIY, Ya.I., inzh.; SYPCHENKO, I.I., inzh.; TARACHNIKOV, L.D., inzh.; FEL'DMAN, E.S., inzh.; SHTRAKHMAN, G.Ya., inzh.; SHTERENGAS, N.S., inzh.; LEVITIN, I.P., otvetstvennyy red.; STEL'MAKH, A.N., red.izd-va; BEKKER, O.G., tekhn.red.

[Overall mechanization and automatization of production processes in the coal industry] Kompleksnaia mekhanizatsiia i avtomatizatsiia proizvodstvennykh protsessov v ugol'noi promyshlennosti. Pod red. IU.V.Kozina i dr. Moskva, Ugletekhizdat, 1957. 82 p. (MIRA 11:3)

1. Gosudarstvennyy proyektno-konstruktorskiy institut. 2. Institut Giprougleavtomatizatsiya i Tekhnicheskogo Upravleniya Ministerstva ugol'noy promyshlennosti (for all except: Levitin, Stel'makh, Bekker)

(Automatic control) (Coal mining machinery)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ADEL'SON, [illegible] SMOYER, S.M.

Dehydrogenation of lower paraffin by hydrocarbons with hydrogen acceptors. Khim.prom. 41 no.7:492-495 Jl '65.

(MIRA 18:8)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENPETER, B. A. PA 25/49T79

USSR/Mining Methods Nov 48
Coal

"Separating Coal From the Mass by the Shearing Method," B. A. Rozenpeter, Inst of Mining, Acad Sci USSR, 14 pp

"Iz Ak Nauk SSSR, Otdel Tekh Nauk" No 11

Describes modern unit for separation of coal by large-scale shavings, and classification of shavings. Concludes method can be very economical under favorable mine and geological conditions. Submitted by Acad A. M. Terpigorev.

[redacted] 25/49T79

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENPETER, B. A. PA 25/49T2

USSR/Academy of Sciences Nov 48
Biography

"Academician A. M. Terpigorev, on His 75th Birthday," Acad A. A. Skochinskiy, B. A. Rozenpeter, 9 pp

"Iz Ak Nauk SSSR, Otdel Tekh Nauk" No 11

Biographical sketch of the life and career of Acad Terpigorev.

[redacted] 25/49T2

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENPLENTER, A. E., inzh.

Efficient parameters of working faces and diagrams for working juds with rotary bucket excavators. Izv. vys. ucheb. zav.: gor. zhur. no.9:15-20 '61. (MIRA 15:10)

1. Ural'skiy nauchno-issledovatel'skiy i proyektnyy institut mednoy promyshlennosti.

(Excavating machinery)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

VASIL'YEV, Mikhail Vladimirovich, prof., doktor tekhn. nauk; BELYAKOV, Yu.I., retsenzent; ROZENPLENTER, A.E., retsenzent; PLYASKIN, I.I., retsenzent

[Combined transportation in open-cut mining] Kombinirovannyi kar'yernyi transport. Moskva, Nedra, 1965. 306 p. (MIRA 18:12)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

AKSENOV, V.P.; ROZENPLENTER, A.E., kand. tekhn. nauk; CHERNYAVSKIY, A.T.

Efficient correlation between the height of the top and bottom scooping of rotary excavators. Met. i gornorud. prom. no.2:67-69 Mr-Ap '65. (MIRA 18:5)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENPLENTER, A.E.

Experimental investigation of the bench caving process. Fiz.-tekh. probl. razrab. pol. iskop. no.5:78-83 '65. (MIRA 19:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut ugol'noy promyshlennosti, Kiyev.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

BELYAKOV, Yu.I., kand.tekhn.nauk; ROZENPLENTER, A.E., inzh.

Selection of units of continuous equipment for ore pits. Nauch. zap.Ukrniiproekta no.5:102-111 '61. (MIRA 15:7)
(Strip mining--Equipment and supplies)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

BELYAKOV, Yu.I.; ROZENPLENTER, A.E.

Working the loose rock of the Gay deposit. Trudy Gor.-geol. inst. UFAN SSSR no.57:23-27 '61. (MIRA 15:3)
(Gay region (Orenburg Province)--Copper mines and mining)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

BELYAKOV, Yu.I., inzh.; ROZENPLENTER, A.E., inzh.

Analysis of the winter performance of rotary bucket excavators in Ural Mountain open-pit mines. Izv. vys. ucheb. zav.; gor. zhur. no.10:21-28 '60. (MIRA 13:11)

1. Gornogeologicheskiy institut Uralskogo filiala Akademii nauk (for Belyakov). 2. Institut Unipromed' (for Rosenplenter). Rekomendovana kafedroy otkrytykh rabot Sverdlovskogo gornogo instituta imeni V.V. Vakhrusheva.

(Ural Mountains--Strip mining)
(Excavating machinery--Cold weather operation)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENPLENTER, A.E.

Performance of wheel-type excavators. Ogneupory 25 no.12:552-556 '60. (MIRA 14:1)

1. Unipromed'.

(Excavating machinery)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENPLENTER, Nikolay Fedorovich; SHELYGIN, Leonid Aleksandrovich; KAPUSTIN, Aleksandr Sergeyevich; ZABRODINA, A.A., tekhn.red.; SOBOLEVA, Ye.M., tekhn.red.

[Atlas of peat machinery; types for machine peat] Atlas torfianykh mashin; mashiny ekskavatornogo sposoba dobychi torfa. Pod red. N.F.Rozenplentera. Moskva, Gos.energ.izd-vo, 1958. 63 p. (MIRA 12:3)

(Peat machinery--Design)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENPLENTER, N.F.

The PTG-O tractor loader with a hydraulic drive. Biul.tekh.-ekon. inform. no.6:41-43 '60. (MIRA 13:8)
(Crawler tractor)
(Loading and unloading)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

SOKOLOV, A.A.; PETRENKO, F.F.; KOVALEV, V.F.; YELISEYEV, M.A.; ROZENPLENTER, N.F.; YANCHUKOVICH, A.E.; CHUBAROV, N.D.; KONTSEVOY, N.S.; PREOBRAZHENSKIY, V.A.; BOCHAROV, M.S.; KASHCHEYEV, G.G.; SELENNOV, G.V.; SAFONOV, K.Ye.; FUNIKOV, S.A.; RASKIN, G.I.; RABKIN, B.M.

Vadim Konstantinovich Gutsunaev; obituary. Torf.prom. 39 no.3:37 '62. (MIRA 15:4)
(Gutsunaev, Vadim Konstantinovich, 1914-1942)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENPLENTER, N.F., inzhener, laureat Stalinskoy premii.

Improvements in peat excavating machinery. Torf.prom.32 no.1: 12-13 '55. (MLRA 8:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut torfyanoy promyshlennosti.
(Peat machinery)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

SKVARIK, V.P.; KUPRIY, O.M.; SHTRAMBRAND, V.D.; ROZENSHTEYN, A.G. [Rozenshtein, A H.]

Molding of heels on the footwear. Leh.prom. no.1:55-57 Ja-Mr '64. (MIRA 19:1)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

BASKO, P.T., kand.tekhn.nauk; BULANZHE, I.O., kand.khim.nauk; KUPRIY, O.M.; ROZENSHTEYN, A.G., [Rozenshteyn, A.H.]

Using the chemical method of coating with nickel for the reconditioning and strengthening of the machine parts in light industry enterprises. Leh.prom. no.3:61-63 Je - Ag '62. (MIRA 16:2)

1. Kiyevskiy tekhnologicheskiy institut legkoy promyshlennosti (for Basko, Bulanzhe). 2. Kiyevskaya obuvnaya fabrika No.4 (for Kupriy, Rozenshteyn).
(Industrial equipment--Maintenance and repair) (Nickel)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENSHTEYN, A.I.

Machines for controlling the performance of equipment. Bibl. tekh.-ekon. inform. Gos. nauch.-issl. nauch. i tekh. inform. 17 no.9:47-51 S '64 (MIRA 18:1)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

L 06111-67 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)

ACC NR: AP6018718 SOURCE CODE: UR/0193/66/000/004/0041/0042

39
B

AUTHOR: Rozenshteyn, A. I.; Blokh, L. D.

ORG: none

TITLE: Application of the "Amur" machine in the automation of industrial processes

28

SOURCE: Byulleten' tekhniko-ekonomicheskoy informatsii, no. 4, 1966, 41-42

TOPIC TAGS: automatic control equipment, automatic regulation, automatic temperature control, automation, industrial automation, temperature control, TEMPERATURE REGULATOR / AMUR TEMPERATURE REGULATOR

ABSTRACT: The "Amur" machine, designed to measure and control temperatures from -200 to ± 650 C in industrial processes, handles up to 80 control points with scheduled runs of 3, 12, 17, or 24 sec per control point. The measurement range is based on bridges connected to resistance thermometers and the measurement error does not exceed ±2% of the measurement range. The dimensions of the machine are 1020 x 800 x 2100 mm and the required power does not exceed 50 v-a. The plant that produced the "Amur" is using it to control the temperature of molds in the manufacture of plastic parts. The machine has found wide application in many industrial processes and particularly in the chemical and food industries. A block diagram of the "Amur" is shown below. Orig. art. has: 1 figure.

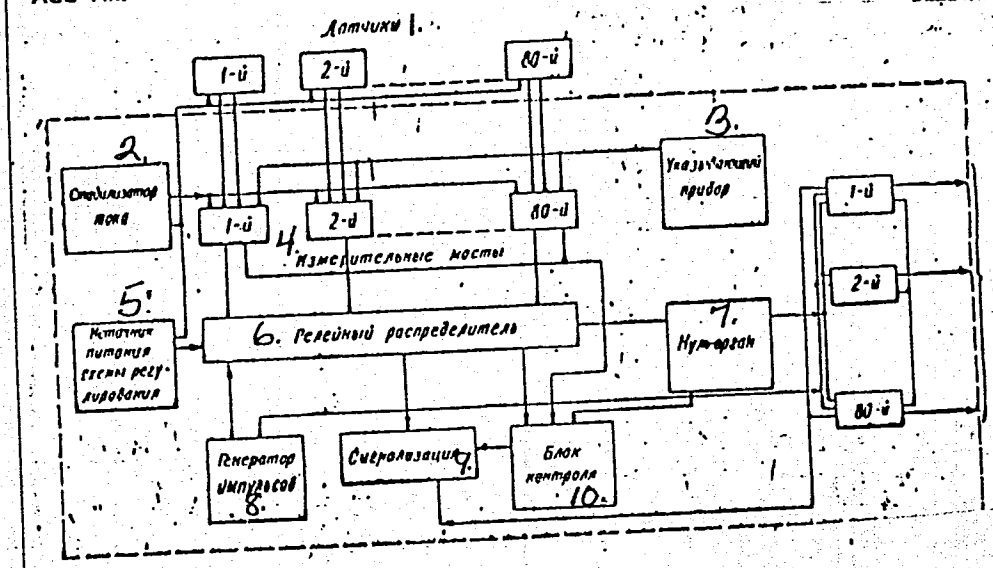
Card 1/2 UDC 678.057.7—555.62

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

L 06111-67

ACC NR: AP6018718



1. Transducers
2. Current regulator
3. Indicator
4. Measuring bridges
5. Feed source of control circuit
6. Relay distributor
7. Zero element
8. Pulse - generator
9. Signal system
10. Control unit

SUB CODE: 13/ SUBM DATE: none

Card 2/2 LC

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ABRAMOV, E.A., kand.istor.nauk; KRUGLIKOV, F.V., kand.istor.nauk; ROZENSHTEYN, A.L., kand.istor.nauk; VASIL'YEV, A.V., nauchnyy red.; VOROB'YEV, G.S., red.izd-va; GURDZHIYEVA, A.M., tekhn. red.

[Brigades of communist labor] Brigady kommunisticheskogo truda. Leningrad, Ob-vo po rasprostraneniiu polit. i nauchnykh znanii RSFSR, Leningr.otd-nie, 1959. 46 p. (MIRA 13:2)
(Socialist competition) (Efficiency, Industrial)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENSHTEYN, A.M.; PETUKHOVA, Z.S. (Zaporozh'ye)

Measures for fulfilling the order No.321 of July 20, 1960 issued by the minister of Public Health of the U.S.S.R. in Zaporozh'ye. Sov. zdravookhr. 22 no.3:56-60 '63

(MIRA 17:1)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

KOMPANTSEV, N.F.; GOLYUSOVA, Ye.V.; BITENBINDER, Ye.A.; GUDIMOVA, A.L.; ROT, L.Ya.; ROZENSHTEYN, A.M.; MODOVSKAYA, F.Ya.; FAL'KOVA, I.I.

Epidemiological characteristics of neuroviral diseases of the Coxsackie and ECHO types. Vrach. delo no. 3:104-107 Mr '61. (MIRA 14:4)

(VIRUS DISEASES)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

GORGIYEV, T.B.; ROZENSHTEYN, A.M.; TRET'YAK, T.T.

Simplifying and improving the bacteriological diagnosis of the carrying of Salmonella. Lab. delo 7 no.12:34-36 D '61. (MIRA 14:11)

1. Dnepropetrovskiy institut epidemiologii, mikrobiologii i gigiyeny, Zaporozhskaya gorodskaya sanitarno-epidemiologicheskaya stantsiya i Zaporozhskaya gorodskaya sanitarno-bakteriologicheskaya laboratoriya. (SALMONELLA)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENSHTEYN, A.V.; NEZLIN, S.Ye.

Prognosis in open forms of pulmonary tuberculosis. Probl. tub. 37 no.3:13-19 '59. (MIRA 12:6)

1. Iz protivotuberkuleznogo dispansera No.8 Moskvy (glavnyy vrach Ya.M.Gimmel'farb).
(TUBERCULOSIS, PULMONARY,
progn. in open forms (Rus))

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENSHTEYN, A.V.

Result of PAS therapy in ambulatory conditions.
Probl. tuberk., Moskva No.5:10-14 Sept-Oct 1953.
(CIML 25:5)

1. Of the Tuberculosis Division (Head -- A.V. Rozenshteyn), Moscow 34th Municipal Hospital (Head Physician -- P.O. Obnorskiy).

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENSHTEYN, A.V.

Results of PAS therapy in ambulatory conditions. Probl. tuberk., Moskva No. 1:69-70 Jan-Feb 52. (CLML 21:5)

1. Of the Tuberculosis Division (Head--S.S. Perpert), Moscow 34th Municipal Hospital (Head Physician--P.P. Obnorskiy).

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENSHTEYN, A.V.

Results of observations of para-aminosalicylic acid therapy of ambulant tubercular patients. Probl.tub. no.5:10-14 '53. (MLRA 6:12)

1. Iz tuberkuleznogo otdeleniya (zaveduyushchiy A.V.Rozenshteyn) 34-y Moskovskoy gorodskoy bol'nitsy (glavnyy vrach P.P.Obnorskiy).
(Tuberculosis) (Para-aminosalicylic acid)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENSHTEYN, A. V.

Paramino salicylic Acid - Therapeutic Use

Results of the paramino-salicylic acid therapy in ambulatory conditions., Probl. tub., no. 1, 1952.

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

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENSHTEYN, A. V.

Tuberculosis

Results of the paramino-salicylic acid therapy in ambulatory conditions; Probl. tub no. 1, 1952.

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

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENSHTEYN, A. Ya.

Electric Power Plants

Scheme adapted to the internal needs of industrial electric power plants. Elek.sta. 23 no. 2, 1952.

SO: Monthly List of Russian Accessions, Library of Congress, April 1952 [redacted], Uncl.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENSHTEYN, B. S.

Surgical treatment of habitual shoulder dislocation. Khirurgiia 38 no.5:100-103 My '62. (MIRA 15:6)

1. Iz Sverdlovskogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii (dir. - kandidat meditsinskikh nauk Z. P. Lubegina)

(SHOULDER--DISLOCATION)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

KAZANSKAYA, O.B.; ROZENSHTEYN, D.I. [deceased]; FRENKEL', V.I.

Bibliography of works prepared by associates of the institute during the past 50 years. Trudy Gos. nauch.-issl. psikhonevr. inst. no. 16:25-178 '58. (MIRA 13:10)

(BIBLIOGRAPHY—NEUROLOGY)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

BOGOYAVLENSKIY, V.F.; ROZENSHTEYN, D.N.

Simplified method for staining lipoproteins divided by means of paper electrophoresis. Vrach. delo no.8:125-126 Ag '60. (MIRA 13:9)

1. Kafedra gospital'noy terapii No. 1 (zav. - zaslushennyy deyatel' nauki RSFSR i Tatarskoy ASSR, prof. A.G. Teregulov) Kazanskogo meditsinskogo instituta.
(STAINS AND STAINING (MICROSCOPY)) (LIPROPROTEINS)
(PAPER ELECTROPHORESIS)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENSHTEYN, D.N.

Protein-lipoid changes in the blood in renal pathology. Terap.arkh. no.6:61-68 '61. (MIRA 15:1)

1. Iz kafedry gospital'noy terapii No.1 (zav. - prof. A.G. Teregulov) Kazanskogo meditsinskogo instituta.
(KIDNEYS—DISEASES) (BLOOD PROTEINS) (LIPOPROTEINS)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

KANTSEROV, I.Kh.; ROZENSHTEYN, D.N.

Changes in cholesterol, protein fractions and lipoproteins of the blood in functional disorders of the central nervous system. Biul. eksp. biol. i med. 57 no.1:30-32 Ja '64. (MIRA 17:10)

1. Kafedra patofiziologii (zav. - prof. M.A. Yeizin) Kazanskogo meditsinskogo instituta. Predstavlena deystvitel'nym chlenom AMN SSSR A.V. Lebedinskim.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

BOGOYAVLENSKIY, V.F.; ROZENSHTEYN, D.N.

Simplifying the staining method for lipoproteins fractionated by paper electrophoresis. Lab. delo 7 no.10:24-28 O '61. (MIRA 14:10)

1. Kafedra gospital'noy terapii No.1 (zav. - prof. A.G.Teregulov) Kazanskogo meditsinskogo instituta.
(PAPER ELECTROPHORESIS) (LIPOPROTEINS)
(STAINS AND STAINING (MICROSCOPY))

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ACC NR: AP6024361 SOURCE CODE: UR/0280/66/000/002/0045/0048

AUTHOR: Vaysbord, E. M. (Moscow); Rozenshteyn, G. Sh. (Moscow)

ORG: none

TITLE: On a method of constructing optimal environments for unstable automata

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 2, 1966, 45-48

TOPIC TAGS: automation, electronic circuit environment, optimal control, dynamic programming, dynamic stability

ABSTRACT: The optimal environment in this case is construed as the environment which maximizes the lifetime of unstable stochastic automata. By analogy with the behavior of the higher animals, which is characterized by a regular alternation of periods of activity and periods of rest, the behavior (lifetime) of an unstable automaton may be optimized if for f time units it functions in spontaneous environments and for g time units, in an environment specially designed to prolong the automaton's life, after which the automaton again functions in a spontaneous environment for f cycles. In this connection, the authors propose a matrix method of computing the optimal environment, as based on the dynamic programming theory.

Card 1/2

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ACC NR: AP6024361

Essentially, this means that for an automaton which follows a fixed matrix P of transition probabilities for f cycles and a "self-selected" transition matrix for g cycles, the optimal -- from the standpoint of maximizing the automaton"s lifetime -- matrix Q can be found by determining the optimal mapping of $\varphi_o(A_i)$ of each state A_i $(i = 1, \ldots, m)$ onto one of the set of states at which the automaton may arrive in the course of g cycles. This mapping can be determined by means of the method of successive approximations based on the ideas of dynamic programming (Bellman, R. Dinamicheskoye programmirovaniye. Izd-vo inostr. lit. 1960 [Russian translation]). Orig. art. has: 10 formulas.

SUB CODE: ~~12~~, 09, 12/ SUBM DATE: 13Jul65/ ORIG REF: 001/ OTH REF: 001

Card 2/2

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

L 65262-65

ACCESSION NR: AP5021851 UR/0280/65/000/004/0052/0059

39

B

AUTHOR: Vaysbord, E. M. (Moscow); Rozenshteyn, G. Sh. (Moscow)

TITLE: "Life"-time of stochastic automata

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 4, 1965, 52-59

TOPIC TAGS: stochastic process, computer simulation, nervous system, automaton

ABSTRACT: The usual investigations of models of biological control systems cover stable systems (e.g., homeostats) or nervous nuclei. Another interesting model can be established by studying unstable systems, i.e., systems which in an arbitrary stationary external medium can make a fast transition into one of the dangerous (catastrophic) states. The reasonable task for such types of systems is to search for a medium within which the lifetime of the normal (favorable) state is as long as possible. Such a problem is similar to the reliability problem in technology. The authors present the mathematical formulation of the model of an unstable system, and discuss the problem of maximizing the lifetime of such an unstable stochastic automaton by choosing an optimum initial function of the device. The method of successive approximations proposed for the calculation of the optimum function can be easily carried out on electronic computers using dynamic programing. The convergence of the mathematical procedure is also given. "The authors thank

Card 1/2

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

L 65262-65

ACCESSION NR: AP5021851

D. B. Yudin and M. L. Tsetlin for valuable remarks contributing to the refinement of the paper." Orig. art. has: 37 formulas and 4 tables.

ASSOCIATION: None

SUBMITTED: 30 March 65 ENCL: 00 SUB CODE: LS, DP

NO. REF SOV: 002 OTHER: 002

Card 2/2

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ISMAILOV, I.M., kand. tekhn. nauk; TADZHIBAYEV, G.T., inzh.; ROZENSHTEYN, G.V., inzh.

Experience in reducing oil losses in hull wastes. Masl.-zhir. prom. 29 no.3:31-32 Mr '63. (MIRA 16:4)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta zhirov (for Ismailov). 2. Kokandskiy maslozhirovoy kombinat (for Tadzhibayev, Rozenshteyn).
(Oils and fats)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ROZENSHTEYN, G.

Everything is important. Za rul. 21 no.8:6 Ag '63. (MIRA 16:11)

1. Sotrudnik redaktsii gazety "Molodoy tselinnik", poselok Shortandy TSelinogradskoy oblasti.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

RZHEKHIN, V.P., kand.tekhn.nauk; BELOVA, A.B., inzh.; TROS'KO, U.I., inzh.; KONEVA, Ya.A., inzh.; BORSHCHEV, S.T., inzh.; VLASOV, V.I., inzh.; ROZENSHTEYN, G.V., inzh.; TADZHIBAYEV, G.T., inzh.

Separation of gossypol from prepassed oils and micelles with anthranilic acid. Masl. - zhir. prom. 27 no.8:26-29 Ag '61. (MIRA 14:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhirov (for Rzhekhin, Belova). 2. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta zhirov (for Tros'ko, Koneva). 3. Kokandskiy maslozhirovoy kombinat (for Borshchev, Vlasov, Rozenshteyn, Tadzhibayev).

(Gossypol) (Anthranilic acid) (Oils and fats)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ZHIVOV, Mikhail Semenovich; ROZENSHTEYN, G.Ye., nauchn. red.; MUPKINA, V.G., red.; TOKER, A.M., tekhn. red.

[Equipment for study rooms for training electricians in electric equipment installation operations] Oborudovanie uchebnogo kabineta elektromontazhnoi tekhnologii dlia obucheniia elektromonterov. Moskva, Proftekhizdat, 1963. 86 p. (MIRA 17:4)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

BOKOLOVSKIY, [illegible]; [illegible], P.D.; URITSKIY, M.B.; BARYNINA, I.M.; CHERNASHKIN, V.S.; ROZENSHTEYN, I.M.; KISSEL', N.N.

Low-carbon Bessemer steel for structural elements. Prom.stroi. 42 no.7:28-32 '65. (MIRA 18:8)

1. TSentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy (for Barynina). 2. Nauchno-issledovatel'skiy institut po montazhnym i spetsial'nym stroitel'nym rabotam (for Rozenshteyn). 3. Zhdanovskiy metallurgicheskiy zavod im. Il'icha (for Kissel').

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ACCESSION NR: AP4041769 S/0032/64/030/007/0876/0879

AUTHORS: Rozenshteyn, I. M.; Chernashkin, V. G.

TITLE: Method of determining tendency of plate steels to brittle fracture

SOURCE: Zavodskaya laboratoriya, v. 30, no. 7, 1964, 876-879

TOPIC TAGS: induced fracture, temperature dependence, brittle fracture, steel plate, safe loading limit, low carbon steel

ABSTRACT: The method of T. S. Robertson (J. of the Iron and Steel Inst., Dec. 1953) for determining brittle fracture propagation in steel plates was discussed and its limitations stated. The method allows the dividing of brittle fracture into two stages (induced and spontaneous) and compares the relative magnitude of each. The safe loading limit with temperature effects on low carbon steels, however, is underestimated by the Robertson method in most cases. Moreover, dynamically induced brittle fracture propagation seems to lead to disagreements among various authors because of its dependence on a large number of parameters (notch type, impact force, etc). A new and simple method is proposed in order to establish a quantitative dependence between stress and specimen temperature. The

Card 1/3

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ACCESSION NR: AP4041769

type of test specimen used is given in Fig. 1 on the Enclosure. It is clamped and loaded in the test machine (GMS-100), and the temperature is varied between -60C and +20C. These test results show much more uniformly than the Robertson test the brittleness differences in steels of the same brand but of different thicknesses. Orig. art. has: 4 figures.

ASSOCIATION: Nauchno-issledovatel'skiy institut po montazhnym i spetsial'nym stroitel'nym rabotam (Scientific Research Institute for Assembly and Special Construction Works)

SUBMITTED: 00 ENCL: 01

SUB CODE: MM NO REF SOV: 003 OTHER: 004

Card 2/3

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"

"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4

ENCLOSURE: 01

ACCESSION NR: AP4041769

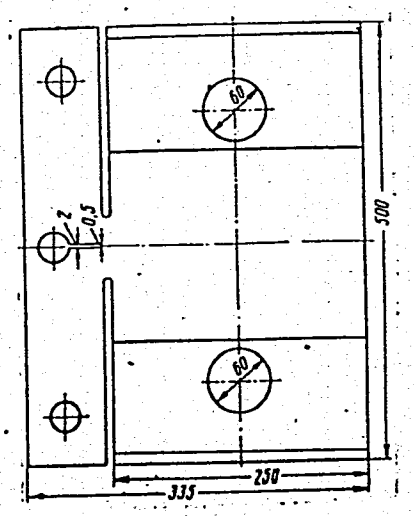


Fig. 1

Card 3/3

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001445620014-4"