TAIROV, N.P., kand.sel'skokhozyaystvennykh nauk; SLAVIN, A.M.

Economic accountability on swine-fattening farms. Zhivotnovodstvo 21 no.1:12-16 Ja '59. (MIRA 12:2)

1. Glavnyy zootekhnik sovkhoza "Belaya dacha," Moskovskoy oblasti. (Swine--Feeding and feeding stuffs)

OBYDENNOV, V.A., dots; SLAVIN, A.M. zootekhnik; FEDOTOV, P.I.

Penicillium mycelium as swine feed. Zhivotnovodstvo 21 no.6:72-74 Je '59. (MIRA 12:8)

1. Moskovskaya veterinarnaya akademiya (for Obydennov). 2. Glavnyy vetvrach sovkhoz "Belaya dacha," Ukhtomskogo rayona, Moskovskoy oblasti (for Fedotov).
(Swine--Feeding and feeding stuffs)
(Penicillium)

SLAVIN, A. M., KOMAROV, N.M. and TORPAKOV, F. G.

"Ventilation of pigsties with heating of flowing air."

Veterinariya, Vol. 37, No. 7, 1960, p. 75

Slavin - Jr. Technician

KOMAROV, N.M., prof.; TORPAKOV, F.G., kand.veterin.nauk; SLAVIN, A.M., uchenyy zootekhnik

Ventilation of pigsties with a heated air flow. Veterinariia 37 no.7:75-78 Jl '60. (MIRA 16:2)
(Swine houses and equipment)
(Farm buildings—Heating and ventilation)

SLAVIN, B.

Improving navigation methods for vessels in the Rybinsk water reservoir. Mor. i rech.flot 14 no.12:14-16 D '54. (MLRA 8:1)
(Rybinsk Reservoir--Navigation)

RESHETKINA, N.N.; YAKUBOV, Kh.; SLAVIN, B.A.; POSTNOV. Yu.V.; SOKOLOVSKAYA, Ye.A.; UMAROV, A.; BARON, V.A.

Construction of vertical drainage in the Golodnaya Steppe. Mat. po proizv. sil. Uzb. no.15:281-306 '60. (MIRA 14:8)

1. Institut vodnykh problem i gidrotekhniki AN UzSSR; Uzbekskiy gidrogeologicheskiy trest i Glavgolodnostepstroy.
(Mirzachul' region--Drainage)

BRAUN, M.P., doktor tekhn. nauk; MIROVSKIY, E.I., inzh.; LEVITANUS, A.D., kand. tekhn. nauk; KARAMZIN, E.I., inzh.; SLAVIN, B.A., inzh.

Using low-nickel and nickelless steels for pinions of tractor transmissions. Mashinostroenie no.2:85-87 Mr-Ap '65.
(MIRA 18:6)

SLAVIN, B. Ye. Cand Tech Sci -- "Study of the strength and deformations of pylon-type subway stations pillars made of prefabricated reinforced concrete." Mos, 1961 (Min of Railways USSR. Mos Order of Lenin and Order of Labor Red Banner Inst of Engineers of Railroad Transport im I. V. Stalin). (KL, 4-61, 200)

BESKOV, Sergey Dmitriyevich, prof.; BELOTSVETOV, Aleksey Vsevolodovich; KLYUCHNIKOV, Nikolay Grigor'yevich; SLAVIN, David Osipovich; METEL'SKAYA, G.S., red.; ZAYTSEVA, K.F., red. kart; MAKHOVA, N.N., tekhn. red

[Principles of chemical technology]Osnovy khimicheskoi tekhnologii; posobie dlia studentov pedagogicheskikh institutov. [By] S.D. Beskov i dr. Izd.2., ispr. i dop. Moskva, Uchpedgiz, 1962. 406 p. (MIRA 16:1)

(Chemistry, Technical)

DROZDOV, Pavel Filaretovich; SLAVIN, D.S., otv.red.; CHEKHOVSKAYA, T.P., red.izd-va; IL'INSKAYA, G.M., tekhn.red.; NADEINSKAYA, A.A., tekhn.red.

[Precast reinforced concrete construction elements in mines] Sbornye zhelezobetonnye konstruktsii v shakhtnom stroitel'stve. Moskva, Ugletekhizdat, 1958. 325 p. (MIRA 12:1)
(Mining engineering) (Precast concrete construction)

L'VOVSKIY, A.S., inzh.; SLAVIN, D.S., inzh.

Planning production centers of the construction industry. (MIRA 12:1)
Prom. stroi. 36 no.12:4-7 D '58.
(Construction industry)

RABKIN, Semen L'vovich; MURATOV, Igor' Vladimirovich; SHIRYAYEV, Grigoriy Anatol'yevich; SLAVIN, D.S., otv.red.; PETRAKOVA, Ye.P., red. izd-va; BERESLAVSKAYA, [illegible], tekhn.red.

[Sectional reinforced concrete constructions for mine support] Sbornye zhelezobetonnye konstruktsii shakhtnoi krepi. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1959. 227 p. (MIRA 12:12)

(Mine timbering) (Precast concrete construction)

SLAVIN, Dmitriy Stepanovich; CHEKHOVSKAYA, T.P., red. izd-va; MINSKER, L.I., tekhn. red.

[Precast reinforced-concrete construction in mine building] Sbornye zhelezobetonnye konstruktsii v shakhtnom stroitel'stve. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1961. 190 p. (MIRA 14:10)

(Precast concrete construction) (Mine buildings)

MARKOVICH, Mikhail Parmenovich; LIVSHITS, Ya.D., prof., retsenzent; SLAVIN, D.S., otv. red.; CHECHKOV, L.V., red. izd-va; MAKSIMOVA, V.V., tekhn. red.

[Structural elements and construction work at the surface of mines] Stroitel'nye konstruktsii i proizvodstvo stroitel'nykh rabot na poverkhnosti shakht. Moskva, Gosgortekhizdat, 1962. 429 p. (MIRA 15:12)

1. Zaveduyushchiy kafedroy stroitel'nykh konstruktsiy i mostov Kiyevskogo avtodorozhnogo instituta (for Livshits).
(Mine buildings)

PLAKSIN, Yakov Grigor'yevich; FLEKKEL' Arkadiy Il'ich; NIKITENKO, Vasiliy Rodionovich; NOVIKOV, Grigoriy Porfir'yevich; SHTODA, Ivan Ivanovich; MARKOVICH,M.P.,kand.tekhn.nauk,dots., retsenzent; GRIGOR, V.I.,dots.,retsenzent; MITROKHIN,S.G., retsenzent; SLAVIN,D.S.,otv.red.; CHERNEGOVA,E.N.,red.izd-va; MAKSIMOVA,V.V.,tekhn.red.

[Principles of building and mining-engineering structures] Osnovy stroitel'nogo dela i gornoinzhenernye sooruzheniia. Izd.2., dop. i perer. [By] IA.G.Plaksin i dr. Moskva, Gosgortekhizdat, 1963. 463 p. (MIRA 16:12)
(Building) (Mine buildings)

SLAVIN, E. Ya.

2041. DETERMINATION OF PARAFFIN WAX AND SILICA GEL TARS IN PETROLEUM. Slavin, E.Ya. (Nov. Neft. Tekh., Neftepromy. Delo (News Petrol. Tech., Field, Moscow), 1956, (1), 27; abstr. in Ref. Zh. Khim. (Ref. J. Chem., Moscow), 1956, (23), 75954). The tars are extracted with silica gel from a solution of the petroleum in gasoline that contains no aromatics and boils below 105°C. After extracting the tars and distilling off the gasoline, the oil remaining is dissolved in 15 times the quantity of dichlorethane, the solution is cooled and the paraffin wax which separates is filtered.

GLAVIN, G. A., [illegible], M. L. and KOLPAKOVA, A. Y.

"Recovery Voltages During Fault Clearing on Long Transmission Lines With Series Capacitors", paper presented at International Conference on Large Electric Systems (CIGRE), 16th Session, Paris, 30 May-9 June 1956.

TITLE: New Method of Semi-Automatic Hose-Welding with Non-Melting Electrodes in Argon (Novyi sposob poluavtomaticheskoy shlangovoy svarki neplavyashchimsya elektrodom v srede argona).

to the direction of its own movement. The operator has only to watch the accuracy of movement of the arc along the connection. The length of arc remains always independent of the work centour. Welding is possible on complex contours in various positions of space. The output is 3-5-fold as compared to manual welding, the process is stable, the quality of welds is same as in automatic welding and is less dependent of the operator's skill.

The process is applicable for welding stainless, heat-resistant, and structural steels of 0.8-4 mm thickness, aluminum and magnesium alloys of over 1.5 mm thickness.

The semi-automatic hose-welder "ПШБ-1", shown by a photograph and by mechanical and electrical diagrams, works with currents of up to 400a and with tungsten electrodes of 1-6 mm in diameter. The welding kit ("ranets") comprises the wire spool with an electric motor mounted inside, the gear reductor of the flexible shaft drive, and is carried by the operator on his back. In this way, the length of the flexible shaft is reduced and the

TITLE: New Method of Semi-Automatic Hose Welding with Non-Melting Electrodes in Argon (Novyi sposob poluavtomaticheskoy shlangovoy svarki neplavyashchimsya elektrodom v srede argona).

weight of hoses (6 meter) does not affect the welding process. The transportable control-gear is made in suitcase-form of 470x300x200 mm size. It is connected by electric wiring and removable hoses to the parts carried by the welder on his back. The devicee works on alternate as well as on direct current with the same control circuit.

Detailed design and technology, as well as welding conditions for various welds are given.

The article contains 4 photographs, 1 mechanical scheme, 1 electrical scheme, 2 tables.

ASSOCIATION: "NIAT"
PRESENTED BY:
SUBMITTED:
AVAILABLE: At the Library of Congress.

Card 3/3

SLAVIN, G. A.; BOGDANOVA, N. B.; GERTSYK, A. K.; YEMELYANOV, N. P.; KULPAKOVA, A. I.; MARKOVICH, I. M.; SOVALOV, S. A.; POPKOV, V. I.

Results of Some Researches, Carried out in the USSR on 600 kV long-distance Power Transmissions.

paper submitted for presentation at the Intl. Conf. on Large Electric Systems (CIGRE) 17th Biennial Session, Paris, France, 4-14 June 1958.

Electra, No. 30, Nov 57, periodical news letter issued by the CIGRE, Paris France.

33550
S/135/62/000/002/004/010
A006/A101

1.2300

AUTHORS: Petrov, A.V., Candidate of Technical Sciences, Slavin, G.A., Engineer

TITLE: Automatic welding of thin steel sheets with a pulsating arc in argon atmosphere

PERIODICAL: Svarochnoye proizvodstvo, no. 2, 1962, 18 - 21

TEXT: Difficulties in welding thin steel sheets (less than 0.6 mm) are widely eliminated with the aid of a pulsating arc combined with an "auxiliary" arc in argon atmosphere. The peculiarity of this method is the maintenance of an independent 0.8 - 2 amp arc between the tungsten electrode and the part to be welded. The pulsating arc is superposed onto the auxiliary arc. The continuous burning of the auxiliary arc eliminates "straying" of the pulsating arc during its repeated excitation and assures constant electric parameters of the process and stable spot dimensions. On the basis of special investigations, a power supply source and a technology were developed for welding with a pulsating arc. The process is performed on a copper backing plate in pneumatic hose key-type clamps. The backing plate has a longitudinal groove 0.15 - 0.2 mm deep and 1.8 - 2.0 mm wide. To reduce warping of the edges, it is recommended to use "rigid" welding conditions. However, an excessive reduction of the pulse duration may cause undercuttings on

Card 1/2

L 22613-65 EWT(m)/EWP(v)/T/EWP(t)/EWP(k)/EWP(b) Pf-4 JD/HM

ACCESSION NR: AP5001170 S/0135/64/000/012/0018/0019

AUTHOR: Slavin, G. A. (Candidate of technical sciences); Petrov, A. V. (Candidate of technical sciences)

TITLE: Automatic Tig welding of parts with different wall thicknesses

SOURCE: Svarochnoye proizvodstvo, no. 12, 1964, 18-19

TOPIC TAGS: automatic welding, tungsten arc welding, Tig welding, weld seam quality

ABSTRACT: Modern machine-building makes wide use of air-tight joints between thick and thin parts. This is accomplished either by contact welding or soldering. However, these methods are complicated and do not ensure stable quality of the weld joints. Experiments performed by the authors, as well as practical experience, have shown that parts thicker than 0.15 mm may be welded to massive parts by the Tig welding method. The technique utilizes a tungsten arc impulse shielded by argon. When this method is used, the warping of the edge of the thin part is decreased as the ratio between the pause and the electrical impulse becomes higher. This method also leads to smaller gaps between the thin and massive parts. The molten bath is circular with a high surface tension, thus lowering leakage of metal through the gap. The introduction of additional metal into the bath sharply de-

Card 1/2

L 22643-65
ACCESSION NR: AP5001170

creases the effect of thermal variations on the shape of the seam. Tig welding also leads to lower residual stress. Burning of the thin sheets was eliminated by using a rotating welding head. The described Tig welding method ensures high quality seams when thin and massive parts are joined together. Orig. art. has: 4 figures and 2 tables.

ASSOCIATION: None

SUBMITTED: 00 ENCL: 00 SUB CODE: IE, MM

NO REF SOV: 000 OTHER: 000

Card 2/2

L 15741-65 EWT(m)/EWA(d)/EWP(v)/EWP(t)/EWP(k)/EWP(b) Pf-4 JD/HM/HW
ACCESSION NR: AP4045460 S/0125/64/000/009/0075/0078

AUTHOR: Petrov, A. V. (Candidate of technical sciences, Moscow); Slavin, G. A. (Candidate of technical sciences, Moscow); Shnayder, B.I. (Engineer)

TITLE: Warping of edges in welding steel sheets thinner than 0.6 mm

SOURCE: Avtomaticheskaya svarka, no. 9, 1964, 75-78

TOPIC TAGS: welding thin steel sheet welding, thin stainless sheet welding, sheet edge warpage, warpage prevention, clamping device

ABSTRACT: Clamping devices and various factors affecting their effectiveness in preventing warping of the edges in structures welded from sheets thinner than 0.6 mm have been investigated. The best results were obtained with a pneumatically operated, piano-key-type clamping device the keys of which were 40--50 mm long and 20--40 mm wide, and were made of a nonmagnetic material (to reduce arc straying). In butt welding of stainless steel sheets 0.3--0.6 mm thick, the optimum pressure for clamping sheets to the back-up plate was 2.0--2.5 kg/cm^2; the optimum distance between the clamp keys increased from 4--6 mm for sheets 2--3 mm thick to 5--7 and 6--8 mm for sheets

Card 1/2

L 15741-65
ACCESSION NR: AP4045460

0.4--0.5 and 0.6 mm thick, respectively. Welding in a helium atmosphere reduced edge warping 1.5 times, compared with welding in argon, but maintaining a stable low-amperage arc is difficult, and the weld shape is unsatisfactory. A stable arc is best maintained in a mixture of 40--50% He and 40--50% Ar, but in this medium the edge warping is reduced by only 12--15%. Orig. art. has: 3 figures and 1 table.

ASSOCIATION: Institut elektrosvarki im. Ye. O. Patona, AN UkrSSR (Electric Welding Institute, AN UkrSSR)

SUBMITTED: 10Jan64 ENCL: 00 SUB CODE: IE

NO REF SOV: 000 OTHER: 000

Card 2/2

L 51451-65 EWT(d)/EWT(m)/EWP(c)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(h)/EWP(z)/EWP(b)/EWP(l)/EWA(c) Pf-4 MJW/JD/HM

ACCESSION NR: AP5009671 UR;0135/65/000/004/0015/0018

621.791.89:669.15-194

31
B

AUTHOR: Petrov, A. V. (Candidate of technical sciences); Slavin, G. A. (Candidate of technical sciences); Shtrikman, M. M. (Candidate of technical sciences)

TITLE: Automatic consumable-electrode welding in the vertical plane

SOURCE: Svarochnoye proizvostvo, no. 4, 1965, 15-18

TOPIC TAGS: consumable electrode welding, automatic welding, vertical weld technology, gas shield, transverse electrode vibration / ASVP-1 welder, ASGP-1 welder, VNS-5 steel, SN3 electrode

ABSTRACT: The ASVP-1 and ASGP-1 automatic welders were used to study the optimal conditions for automatic consumable-electrode welding of vertical or horizontal joints on vertical surfaces of VNS-5 steel in an atmosphere of inert gas (sample thickness 8 -10mm, scam joint). SN3 welding wire with $\varnothing$ =1.2 - 1.6 mm, a downward pass direction, an arc length not exceeding 2 mm and a gas shield of Ar + 10% CO_2 provided the best primary layers in vertical welds. Metal of the molten pool should not advance the arc. Optimal amplitudes and frequencies of transverse vibrations of the welding wire, insuring the minimal number of passes needed to complete the second and subsequent layers, are given. The authors also

Card 1/2

L 51451-65

ACCESSION NR: AP5009671 O

comment briefly on horizontal welds. Orig. art. has: 2 tables and 8 figures.

ASSOCIATION: None

SUBMITTED: 00 ENCL: 00 SUB CODE: IE, MM

NO REF SOV: 003 OTHER: 000

Card 2/2

L 45424-65 EWT(d)/EPA(s)-2/EWT(m)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k)/EWP(h)/EWP(b)/EWP(l)/EWA(c) Pf-4 JD/HM

ACCESSION NR: AP5010894 UR/0286/65/000/007/0082/0083

AUTHORS: Slavin, G. A.; Gusev, A. T.; Korotkova, G. M.; Filippov, M. A.; Petrov, A. V. 34 B

TITLE: Device for welding with a pulsed arc. Class 21, No. 164716 16

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 7, 1965, 82-83

TOPIC TAGS: welding equipment, arc welding 14

ABSTRACT: This Author Certificate presents a device for welding with a pulsed arc. It contains an oscillator and a source of a pulsed operating arc and is provided with a welding transformer and a chopper, e.g., a thyrotron. To increase the quality of the welded joint, a regulated supply of the on-duty arc is used, e.g., containing a transformer, a rectifier, and a potentiometer. The supply is connected to the welding electrodes in parallel with the pulsed arc source (see Fig. 1 on the Enclosure). To improve the pulse shape of the welding current, the pulsed operating arc source is provided with a four-winding saturation choke. The operating winding of this choke is made of two windings connected in opposition and is connected in series with the secondary of the welding transformer. The control winding of the choke is connected to the chopper, and the positive current

Card 1/3

L 45404-65

ACCESSION NR: AP5010894

feedback is connected in series in the electrode-product circuit. Orig. art. has: 1 diagram.

ASSOCIATION: none

SUBMITTED: 18Jul62 ENCL: 01 SUB CODE: IE, MM

NO REF SOV: 000 OTHER: 000

Card 2/3

L 1896-66 EWT(m)/EWP(v)/T/EWP(t)/EWP(k)/EWP(b)/EWA(c) JD/HM

ACCESSION NR: AP5021576 UR/0286/65/000/013/0049/0049

621.791.89

AUTHOR: Petrov, A. V.; Verbitskiy, V. G.; Slavin, G. A.

TITLE: Constricted arc welding. Class 21, No. 172423

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 13, 1965, 49

TOPIC TAGS: arc welding, constricted arc welding, thin sheet arc welding

ABSTRACT: An Author Certificate has been issued for a method of constricted arc welding of thin sheet materials. The welding is done with a closed constricted arc using a miniature chamber pressed at a definite pressure to the parts being welded and moved along the weld. [MS]

ASSOCIATION: none

SUBMITTED: 19Jan63 ENCL: 00 SUB CODE: IE

NO REF SOV: 000 OTHER: 000 ATD PRESS: 4090

Card 1/1

SLAVIN, G.A.

Effect of the capacitance of bus conductors and substation equipment on voltage recovery during the elimination of short circuits. Trudy LPI no.242:159-164 '65. (MIRA 18:8)

SLAVIN, G.A., kand.tekhn.nauk; PETROV, A.V., kand.tekhn.nauk; SMIRNOVA, S.V., inzh.; KOROTKOVA, G.M., inzh.

Automatic welding with a nonconsumable electrode of thin-sheet aluminum alloys using a pulsating arc. Svar.proizv. no.12:18-20 D '65. (MIRA 18:12)

SLAVIN, G.A. (Moskva); PETROV, A.V. (Moskva); KOROTKOVA, G.M. (Rzhev); FILIPPOV, M.A. (Rzhev)

Feed source of a direct current pulsation arc. Avtom.svar. 18 no.11:63-67 N '65. (MIRA 18:12)

1. Submitted April 29, 1965.

L 22654-66 EWT(m)/EWA(d)/EWP(v)/T/EWP(t)/EWP(k) IJP(c) JD/HW
ACC NR: AP6006178 SOURCE CODE: UR/0135/66/000/002/0001/0004

AUTHOR: Petrov, A. V. (Candidate of technical sciences); Slavin, G. A. (Candidate of technical sciences)

ORG: none

TITLE: A study of the technical potential of the pulse arc

SOURCE: Svarochnoye proizvodstvo, no. 2, 1965, 1-4

TOPIC TAGS: arc welding, pulse welding, alloy steel, mechanical strength, welding equipment

ABSTRACT: The pulse arc welding method was evaluated by studying certain process parameters, the character of the welded seam and the heat affected zone. Equations for the heat flow rate q_r, and the welding current I_r as a function of impulse time t_i and pause time t_p are given. Experiments were done on 1Kh18N9T steel of 3.0 mm thickness and the efficiency was given as a function of cycle stability $G = t_p/t_i$, welding current I_r (this was calculated from $I_r = I/(1 + t_p/t_i)$ where I is pulse current) and pulse vs continuous arc. The temperature field was obtained from the

UDC: 621.791.8.004.12

Card 1/3

following equation:

$$T(r, x, z) = m(r, z)\frac{q_p}{2\pi\lambda\delta} e^{-\frac{vx}{ra}} K_0\left(\frac{vr}{2a}\right).$$

The field was plotted as a function of x-y coordinates for G = 0, 1, 3. The pulse method is deemed better than continuous welding since it melted the metal more efficiently with a smaller heat affected zone. Residual stresses were found to be much lower in pulse welded samples and mechanical properties and seam densities higher. The thermal cycle at various points from the seam axis is given as a function of time (again calculated by the above equation) for continuous and pulse welding. For pulse welding, the metal was much hotter at equivalent distances (0 to 6 mm); the solidification time (1 to 3 sec) was given as a function of G for pulse cycles of 0.35 and 0.48 sec and a maximum was reached at $G \approx 0.5$ (3 sec for 0.36 sec and 1.7 sec for 0.48 sec). The maximum density of welds made from AMg6 aluminum also occurred at G = 0.5. Mechanical property data are given for pulse and continuous welding of 30KhGSNA steel (1.0 mm thick) as a function of the process parameters. The maximum strength (119.5 kg/mm^2) was obtained for pulse arc welding at 240 a, t_p = 6.00 sec, t_i = 0.38 sec and G = 16. Seam dimensions are given for stainless

L 22654-66
ACC NR: AP6006178

steel as a function of metal thickness (0.2 to 0.6 mm(, displacement, and dimensions of the fusion zone. Orig. art. has: 8 figures, 2 tables, 5 formulas.

SUB CODE: 13,11/ SUBM DATE: 00/ ORIG REF: 002/ OTH REF: 000

Card 3/3

L 52689-66 EWT(m)/EWP(v)/T/EWP(t)/EWP(k) IJP(c) JD/HM

ACC NR: AP6012284 SOURCE CODE: UR/0125/65/000/011/0063/0067

AUTHOR: Slavin, G. A.; Petrov, A. V.; Korotkova, G. M.; Filippov, M. A.

ORG: none

TITLE: Power source for pulsed DC arc

SOURCE: Avtomaticheskaya svarka, no 11, 1965, pp 63-67

TOPIC TAGS: electric power source, electric arc, arc welding, pulse welding, circuit design

ABSTRACT: The pulsed DC arc welding method is a variation of shielded arc welding with a nonconsumable electrode, which can be used to weld stainless and high-temperature steels with wall thickness of 0.3-2.5 mm. It requires a power source that must assure the required range of the control of pulse time t_p and pause time t_{pa}, the required extent of current regulation, the ionization of the arc gap during the pauses and a definite front of current rise during the pulse. In this connection, the authors determined experimentally the optimal parameters of a power source of this kind by welding specimens of 1Kh18N9T steel 0.4, 0.8, 1.0 and 3.0 mm thick, the criterion used being the melting power of the pulsed arc, characterized by its thermal

Card 1/2 UDC: 621.791.03:621.311.6

L 32689-66

ACC NR: AP6012284 O

efficiency. On the basis of experimentally plotted curves of thermal efficiency as a function of current-pulse time it is established that the power source must assure a pulse time of 0.06-0.4 sec and hence also a pause time of 0.06-0.4 sec; the pulse shape must be rectangular and hence the approximate current rising and drooping time may not exceed 0.02 sec. Accordingly, the power source should assure the regulation of current within the range of from 15 to 350 a. The circuit of the power source should include a welding-current rectifier, a three-phase power transformer and a thyratron-type breaker designed to turn on and off the current in the primary winding of the transformer, to which it is connected in series, and to regulate the current-pulse time. Orig. art. has: 7 figures.

SUB CODE: 09 SUBM DATE: 29Apr65/ ORIG REF: 001

Card 2/2 BLG

L 32696-66 EWT(m)/EWP(v)/EWP(t)/ETI/EWI(k) IJP(c) JD/HM/GW

ACC NR: AP6015104 (N) SOURCE CODE: UR/0135/66/000/005/0018/0019

AUTHOR: Petrov, A. V. (Candidate of technical sciences); Slavin, G. A. (Candidate of technical sciences)

42
38
B

ORG: none

TITLE: Warping of thin sheet edges during welding

SOURCE: Svarochnoye proizvodstvo, no. 5, 1966, 18-19

TOPIC TAGS: arc welding, argon shielded arc, thin sheet welding, thin sheet warping, warping prevention, stainless steel sheet, aluminum alloy sheet

ABSTRACT: A serious problem in arc welding of thin (less than 0.6 mm thick) sheets is the warping of sheet edges which unavoidably leads to burned through holes in the weld. A special gage has been devised for measuring the magnitude of warping. The data obtained with this device indicated that in 1Kh18N9T, EI654, and SN-3 stainless-steel sheets 0.3—0.5 mm thick, warping begins ahead of the arc at a distance of 16—20 mm and reaches a maximum at a distance of 3—5 mm. The magnitude of the warping increases with decreasing sheet thickness and in 0.3—0.5 mm thick sheets, is about 1 mm. Cold-rolled sheets, as a rule, preserve the direction of warping (up or down) in which they have warped at the beginning of welding. On the basis of these observations, several methods for preventing warpage or for minimizing its negative effects have been developed. One method is based on the use of clamping devices.

Card 1/2 UDC: 621.791.753.93.011

L 32696-66

ACC NR: AP6015104

4

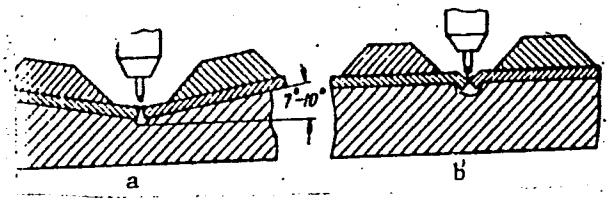

Fig. 1. Setup for welding with controlled direction of warping by angular backing bar (a) or by flanging the sheets (b)

Since the distance between the clamps must be very short for sheets 0.1—0.5 mm thick (4—8 mm) and is consequently impractical, a traveling clamping device has been designed which moves at a certain fixed distance from the arc, pressing the sheet edges to the backing bar. Another method (see Fig. 1) is based on the tendency of sheets to warp in the direction of the initial warping. This method is especially effective with materials which have a relatively low yield strength, such as AMts or AMg aluminum alloys. AMg6 alloy tanks with a wall thickness of 0.3—0.5 mm were successfully welded by this method. Helium added to the shielding argon increases the depth of penetration, reduces the width of the weld and heat-affected zone, and thus reduces warping. Pulsed-power arc welding or constricted-arc welding reduces warping by 40 or 43% respectively compared to conventional TIG welding. Orig. art. has: 6 figures. [DV]

SUB CODE: 11/ SUBM DATE: none/ ATD PRESS: 5123

Card 2/2 BLG

L 45584-66 EWT(d)/EWT(m)/EWP(w)/EWA(v)/T/EWP(t)/ETI/EWP(k)/EWA(h)/EWA(l) IJP(c)
ACC NR: AP6031410 (A) SOURCE CODE: UR/0135/66/000/009/0018/0020
JD/HM/EM

AUTHOR: Slavin, G. A. (Candidate of technical sciences); Sekretareva, E. S. (Engineer); Savchuk, V. P. (Engineer)

ORG: none

TITLE: Automatic TIG welding of aluminum alloys in a vertical position

SOURCE: Svarochnoye proizvodstvo, no. 9, 1966, 18-20

TOPIC TAGS: ~~aluminum alloy~~ metal welding, aluminum alloy, TIG welding, alloy pulsed power welding, vertical position alloy welding / AMg6 aluminum alloy

ABSTRACT: AMg6 aluminum alloy specimens 3—20 mm thick were TIG welded in vertical position with a conventional continuous-power welder or with an IPDI-1000 experimental pulsed-power welder producing pulse currents up to 900 amp. Results showed that pulsed-power welding offers a number of advantages: metal parts up to 6—8 mm thick can be welded without preparation of edges (for heavier parts at least one side should be beveled); 10-mm thick parts can be joined in one pass with satisfactory weld formation; parts over 10 mm thick can be joined with a satisfactory penetration of the root weld. Pulsed-power welding yields dense, fine-grained welds with no porosity and a tensile strength of 29—35.6 kg/mm^2 vs. 35.7 kg/mm^2 of the base metal. The advantages of

Card 1/2 UDC: 621.791.754:546.29:669.715

L 42334-66

ACC NR: AP6031410

pulsed-power welding are especially marked in welding horizontal joints (in vertical position). However, these joints have a much narrower region of optimal conditions than vertically welded joints. Orig. art. has: 2 figures and 2 tables. [ND]

SUB CODE: 13, 11/ SUBM DATE: none/ ORIG REF: 002/ ATD PRESS: 5082

Card 2/2

FISHMAN, Mikhail Aleksandrovich, dotsent, kandidat tekhnicheskikh nauk; VERKHOVSKIY, I.M., retsenzent; SIMONOV, K.A., retsenzent; SLAVIN, G.P., kandidat tekhnicheskikh nauk, retsenzent; MARGOLIN, I.Z., redaktor; YEZDOKOVA, M.L., redaktor izdatel'stva; ERLOV, A.P., tekhnicheskiy redaktor

[Principles of ore dressing] Osnovy obogashcheniia poleznykh iskopaemykh. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1956. 279 p. (MLRA 9:11)
(Ore dressing)

SLAVIN, G.P.

Third conference of ore dressing specialists in Czechoslovakia.
Ugol' 32 no.8:48 Ag '57. (MLRA 10:9)
(Czechoslovakia--Ore dressing)

SLAVIN, I.F.

J-3

Category : USSR/Acoustics - Noise

Abs Jour : Ref Zhur - Fizika, No 1, 1957 No 2123

Author : Slavin, I.F.
Title : Combatting Noise in Machinery Spaces of Ships

Orig Pub : Tr. nauch. sessii Vses. n-i in-ta okhrany truda, 1955, Vyp. 3. L., 1955, 52-81

Abstract : The excessive noise of high-speed marine diesel engines not only fatigues the command, but reduces the seagoing safety. The article describes the basic methods developed by the LIOT to combat noise in ships. The source of noise in ships is analyzed in detail, and measurements of noise levels in 36 diesel and steam ship installations of various types are given along with noise levels in the machinery spaces of 31 ships; an approximate estimate of the intelligibility of speech is given for the above ships. It is shown that noise is lowest in ships provided with steam piston engines and that turbines are noisier, principally owing to the noise in the reduction gear. The noisiest are diesels. The principal means for reduction of marine engine noise are given, and a relationship is established between the noise level of mechanical origin and the technical parameters of the engine: $L = (30 \log n + 12 \log N - 9)$, where L is the noise level in phons, N the engine horsepower, and n the shaft rpm. A nomogram is given for the above equation. A detailed analysis is made of methods for soundproofing the engines, and a method is given

Card : 1/2

SLAVIN, I.L.

The first experience in using auxiliary brushes in the traction motors of electric locomotives. Elek.i tepl.tiaga 7 no.2:9 F '63. (MIRA 16:2)

1. Zamestitel' nachal'nika depo Nizhnedneprovsk-Uzel Pridneprovskoy dorogi.
(Electric railway motors) (Brushes, Electric)

PODOL'SKIY, Leonid Romanovich; PAPCHENKO, Nikolay Ivanovich; SLAVIN, Il'ya L'vovich; YAKOVLEV, D.V., inzh., red.; KHITROV, P.A., tekhn.red.

[Electric networks of the VL23 electric locomotive] Elektricheskie skhemy elektrovoza VL23. Moskva, Vses.izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1960. 147 p. (MIRA 13:11)
(Electric locomotives)

PODOL'SKIY, Leonid Romanovich; PAPCHENKO, Nikolay Ivanovich; SLAVIN, Il'ya L'vovich; KAZACHKIN, V.I., inzh., retsenzent; YAKOVLEV, D.V., inzh., retsenzent; BOBROVA, Ye.N., tekhn. red.

[Detecting and eliminating defects in the VL23 electric locomotive] Obnaruzhenie i ustranenie neispravnostei elektrovoza VL23. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1961. 143 p. (MIRA 14:10)
(Electric locomotives--Maintenance and repair)

SLAVIN, [illegible].Yu., inzh.; [illegible], V.A., inzh.; [illegible], N.A., inzh.; USACHEV, K.C., inzh.

Compressor with graphite packing. Khim. i neft. mashinostr. no.4: 7-9 O '64. (MIRA 17:12)

SLAVIN, Kh.M.

Marking device. [illegible] r. 35 no.8 [illegible] Ag '64. (MIRA 17:10)

SLAVIN, LA.; SPASOV, S.; BASAN, IA.

"Producing synthetic tanning extracts from native coke tar."

LEKA PROMISHLENOST., Sofiia, Bulgaria., Vol. 8, No. 2, 1959

Monthly list of EAST EUROPEAN ACCESSIONS (EEAI), LC, Vol. 8, No. 7, July 1959, Unclas

CHERNYSHEV, M.P.; ROZHKOV, L.P.; SHUL'GINA, Ye.F.; IGNATOVICH, A.F.; LABUNSKAYA, L.S.; FOMINA, T.V.; CHERNYAKOVA, A.P.; SHPAKOVA, L.N.; TARASOVA, M.K.; ANFILATOVA, A.I.; SLAVIN, L.B.; BARYSHEVSKAYA, G.I.; DERIGLAZOVA, N.V.; MATUSHEVSKIY, G.V.; AL'TMAN, E.N.; KROPACHEV, L.N.; CHEREDILOV, B.F.; POTAPOV, A.T.; DUDCHIK, M.K.; REGENTOVSKIY, V.S.; YERMAKOVA, L.F.; SEMENOVA, Ye.A.; KULIKOVSKIY, I.I.; KIRYUKHIN, V.G.; AKSENOV, A.A., red.; NEDOSHIVINA, T.G., red.; SERGEYEV, A.N., tekhn. red.; BRAYNINA, M.I., tekhn. red.

[Hydrometeorological handbook of the Sea of Azov] Gidrometeorologicheskii spravochnik Azovskogo moria. Pod red. A.A.Aksenova. Leningrad, Gidrometeoizdat, 1962. 855 p. (MIRA 16:7)

1. Gidrometeorologicheskaya observatoriya Chernogo i Azovskogo morey.

(Azov, Sea of--Hydrometeorology)

L 05004-67 EWT(1) GW

ACC NR: AT6007099 (N) SOURCE CODE: UR/3194/65/000/003/0011/0041

23
B+1

AUTHOR: Slavin, L. B.

ORG: none

TITLE: Heat balance and thermal economy of the Azov Sea

SOURCE: Basseynovaya gidrometeorologicheskaya observatoriya Chernogo i Azovskogo morey. Sbornik rabot, no. 3, 1965, 11-41

TOPIC TAGS: heat balance, ocean dynamics, thermal process, ocean temperature

ABSTRACT: The purpose of this study was to analyze all components of the heat balance and on the basis of calculations to refine the heat balance, determine the magnitude of the annual thermal economy in various regions of the Azov Sea, and to establish the dependence of thermal economy on the depth of the sea and on other factors. The analysis revealed that the basic causes for the characteristics of thermal processes in the Azov Sea are the geographic location and atmospheric processes occurring over it and the smallness and shallowness of the sea. The main source of heat arriving at the surface of the sea is solar radiation which amounts to 95—100 kcal/cm^2 year. The bulk of the heat (from 45 kcal/cm^2 year in the central region of the sea to 60 kcal/cm^2 year in the south-western part of the sea and in the southern part of the Taganrog Bay) is expended for evaporation, about 35 kcal/cm^2 year for effective radiation, and least of all for contact heat transfer (5—10 kcal/cm^2 year). Heat loss to evaporation and heat transfer with the atmosphere have the greatest spatial

UDC: 551.463

Card 1/2

L 05004-67

ACC NR: AT6007099

variation of all the components of the heat balance. The heat balance and thermal economy are substantially affected during the winter and spring by the ice cover and thermal effect during the formation and thawing of ice. Both the external and internal thermal economy in the Azov Sea depend directly on its depth. There is no well-pronounced advection of heat in the Azov Sea. Heat transport is sporadic, being determined by variable currents arising under the effect of the winds prevailing over the sea. Orig. art. has: 9 tables and 7 figures.

SUB CODE: 08/ SUBM DATE: none/ ORIG REF: 011

Card 2/2

SLAVIN, David Osipovich [deceased]. Prinimali uchastiye: SLAVIN, L.D., inzh.; ZUSMAN, I.G., inzh., red.; TATURA, G.L., tekhn.red.

[Technology of metals and other materials] Tekhnologiia metallov i drugikh materialov. Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv.RSFSR, 1960. 414 p. (MIRA 13:10)
(Metallurgy) (Metalwork) (Nonmetallic materials)

ACCESSION NR: AP4010074 S/0129/64/000/001/0040/0044

AUTHORS: Pogodina-Alekseyeva, K. M.; Bironf, V. S.; Slavin, L. D.

TITLE: The effect of ultrasonics on the mechanical properties of R18 steel.

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 1, 1964, 40-44

TOPIC TAGS: R18 steel, mechanical property, ultrasonication, high speed R18 steel, hardness, microhardness, heat resistance, hardening, annealing, tempering, ultrasonic hardening, ultrasonic tempering, steel structure conversion mechanism, cutting instrument, heat treatment, austenitic steel, martensite, precipitation hardening

ABSTRACT: The effect of ultrasonics on the properties of high speed R18 steel with respect to heat treating is qualitatively the same regardless of the time or duration of its introduction; generally, the hardness, microhardness and heat resistance of the ultrasonically treated steel is higher than that of conventionally treated steel. Ultrasonics intensify the transitions which take place on heat treat-

Card 1/3

ACCESSION NR: AP4010074

ing. Residual austenite is reduced to 18% by hardening with sonication for 1 hour as compared with 25 hours for conventional hardening. Hardness increases with prolonged ultrasonics treatment, and microhardness is also higher. This is explained by the increased amount of carbide precipitates and their hardening. The effect of ultrasonics during tempering is identical to the effect during annealing. It is possible to obtain the same conversion of residual austenite in a two-stage (to 0.3%) or even in a single stage (to 3%) tempering that requires three-stage tempering by conventional methods. The heat resistance of ultrasonically treated steels, during annealing, tempering, or both is also higher with 1 hour of treatment being optimum. It is proposed that ultrasonics prepare the structure of the steel for further conversion, accelerate the break-down of residual austenite and thereby form intermediate phases (not strengthening martensite-austenite mixtures) which are apparently strengthened, especially by second tempering. Increased microhardness due to ultrasonic tempering is explained by the formation of submicroscopic separated carbides, i. e., precipitation hardening of the martensite. Ultrasonic heat treatment, especially

Card 2/3

ACCESSION NR: AP4010074

1 hour ultrasonic tempering, is recommended for simple cutting instruments. Orig. art. has: 3 Figures.

ASSOCIATION: Vsesoyuzny*y zaochny*y politekhnicheskiy institut (All-Union Correspondence Polytechnical Institute)

SUBMITTED: 00 DATE ACQ: 07Feb64 ENCL: 00

SUB CODE: ML NR REF SOV: 000 OTHER: 000

Card 3/3

SLAVIN, L.O.

Treating acute stages of sciatica. Sov.med. 21 Supplement:4-5 '57. (MIRA 11:2)

1. Iz ob"yedinennoy bol'nitsy No.18 imeni Oktyabr'skoy revolyutsii Moskvy.
(SCIATICA)

1. SLAVIN, M.
2. USSR (600)
4. Labor and the Laboring Classes-Medical Care
7. Persistenly eliminate shortcomings. V pom. profaktivu 14 no. 6, 1953

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

SOV/107-58-10-48/55

AUTHORS: Slavin, M., Belen'kiy, S.

TITLE: Prolonging the Life of Radio Valves (Prodleniye sroka sluzhby radiolamp)

PERIODICAL: Radio, 1958, Nr 10, p 57 (USSR)

ABSTRACT: The authors suggest a way of renewing valves and cathode-ray tubes which have lost their emission. A voltage 1.6 times greater than normal is applied to the filament for 5-6 minutes.

Card 1/1

SLAVIN, M.

Restoration of electric vacuum devices with oxide cathodes. Radio no.1:54 Ja '62. (MIRA 15:1)
(Electron tubes)

SLAVIN, M.

High-frequency generator for reconditioning electron-tube devices. Radio no.7:48 Jl '62. (MIRA 16:6)

(Oscillators, Electron-tube)

GALTYKHIN, N.M.; SLAVIN, M.B.; Prinimali uchastiye: LERNER, B.N.; SECHENOVA, R.A.

Automation of safety and control systems of heating in automated heating boilers. Nov. tekh. zhil.-kom. khoz.:Zhil. khoz. no.2: 71-85 '63. (MIRA 18:6)

SLAVIN, M.B.

Evaluation and specifications of automatically controlled boiler safety systems. Avtomatiz. otop. kot. no.3:148-157 '63. (MIRA 16:10)

1. Akademiya kommunal'nogo khozyaystva.
(Automatic control) (Boilers)

[illegible]

[illegible] for planning the preventive maintenance of auto-
[illegible] Nauch. trudy AKKH no.23:97-106 '63.
(MIRA 17:12)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651310008-6"

TSIKERMAN, L.Ya., doktor tekhn.nauk; SLAVIN, M.B., kand.tekhn.nauk; MAKSIMOV, M.P., inzh.

Electronic-acoustical methods for finding the locations of water leakages from underground pipelines. Vod. i san. tekh. no.11:1-3 N '64. (MIRA 18:2)

SLAVIN, M.B., kand. tekhn. nauk

Economic efficiency of the general automatic control of boilers operating on gas fuel. Vod. i san. tekh. no.2: 25-28 F '65. (MIRA 18:4)

L 14066-66 EWT(d)/EWT(l)/EWP(v)/EWP(k)/EWP(h)/EWP(l)/EWA(h) TG

ACC NR: AP6002407 (A) SOURCE CODE: UR/0103/65/026/012/2281/2285

62
93

AUTHOR: Slavin, M. B. (Moscow); Tsikerman, L. Ya. (Moscow)

ORG: None

TITLE: Some unique features of the method of evaluating automatic control system reliability 25

14

SOURCE: Avtomatika i telemekhanika, v. 26, no. 12, 1965, 2281-2285

TOPIC TAGS: automatic control system, system reliability, circuit reliability

ABSTRACT: The authors examine a method of evaluating automatic control system reliability which takes into account the properties of the controlled object. An expression is derived for the determination of error probability in the control of the more common cases of exponential and normal time distribution of the appearance of hidden defects in a system, as well as for a Weibull distribution case. It is assumed that the time of the elimination of the defects as well as of the reasons causing intolerable deviation of the controlled parameters is extremely small compared to the operational period investigated. Orig. art. has: 5 figures and 12 formulas.

SUB CODE: 09/ SUBM DATE: 24Mar65/ ORIG REF: 011/ OTH REF: 003

Card 1/1 UDC: 62-501.7:621.3.019.3

ACC NR: AR6017094 SOURCE CODE: UR/0372/65/000/012/G006/G006

33
B

AUTHOR: Slavin, M. B.

TITLE: Rational margins of redundancy and duplication in automatic control and regulation systems

SOURCE: Ref. zh. Kibernetika, Abs. 12G36

REF SOURCE: Nauchn. tr. Akad. kommun. kh-va, vyp. 34, 1965, 3-17

TOPIC TAGS: control theory, system reliability, characteristic function

ABSTRACT: Problems of the classification and conditions for employment of duplication (D) and redundancy (R), representing two fundamentally similar methods of enhancing reliability, are considered. It is pointed out that the type of R and D must be selected so as to take into account the specific properties of the automation system by determining the least reliable and nonself-checking elements as well as the distribution function characteristic of the concerned system or of its individual parts. The corresponding mathematical functions serving to estimate the effectiveness of R and D and to select the most expedient method are presented. 2 illustrations. Bibliography of 2 titles. B. C. [Translation of abstract]

SUB CODE: 09, 12/

Card 1/1 UDC: 62-507.019.3

BOROVIKOV, Vasiliy Aleksandrovich; KOSAREV, Vladimir Kuz'mich; KHODOT, Georgiy Aleksandrovich; SLAVIN, M.I., kand. tekhn.nauk, retsenzent; DOROKHOVA, A.I., inzh., retsenzent; GESSEN, V.Yu., doktor tekhn. nauk, red.; SOKOLEVA, Ye.M., tekhn. red.

[Electrical networks and systems] Elektricheskie seti i sistemy. Moskva, Gosenergoizdat, 1963. 459 p. (MIRA 16:8)
(Electric lines--Overhead)

EBIN, L.Ye.; GANELIN, A.M.; GILINSKIY, A.M.; GORNOVESOV, G.V.; ZLATKOVSKIY, A.P.; KAUFMAN, B.M.; KISELEV, N.A.; KULIKOV, P.Ye.; LEVIN, M.S.; SLAVIN, M.P.; SMIRNOV, B.V.; SMIRNOV, V.I.; SMIRNOVA, I.S.; TARASOVA, V.Ye.; CHEBOTAREV, V.I.; SHATS, Ye.L.; ENTIN, I.A.; IOSIPYAN, S.G., redaktor; SARKISYAN, A.M., redaktor; SMIRENSKIY, M.D., redaktor; TEPLITSKIY, Ya.S. redaktor; KOMAROVA, V.M., redaktor; GURKVICH, M.M., tekhnicheskiy redaktor.

[Rules for the operation of electric installations in rural areas] Pravila tekhnicheskoi ekspluatatsii sel'skikh elektroustanovok. Moskva, Gos. izd-vo sel'khoz. lit-ry, 1957. 183 p. (MIRA 10:4)

1. Russia (1923- U.S.S.R.) Glvanoye upravleniye sel'skikh elektrostantsii.
(Electric power plants) (Electricity in agriculture)

LASHCHENKO, M.N., dotsent, kandidat tekhnicheskikh nauk; SLAVIN, M.Ya., kandidat tekhnicheskikh nauk, dotsent, otvetstvennyy redaktor; AISTOV, N.N., doktor tekhnicheskikh nauk, professor, retsenzent; BEDA, P.K., inzhener, retsenzent; KAPLAN, M.Ya., redaktor; PUL'KINA, Ye.A., tekhnicheskiy redaktor

[Reinforcing metal structural elements] Usilenie metallicheskikh konstruktsii. Leningrad, Gos. izd-vo lit-ry po stroitel'stvu i arkhitekture, 1954. 154 p. (MLRA 7:10)
(Building, Iron and steel)

SOV/124-57-4-4621

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 4, p 108 (USSR)

AUTHOR: Slavin, M. Ya.

TITLE: Contribution to the Calculation of Prismatic Hipped Systems According to the "No-moment" Theory (K voprosu o raschete prizmatiches-kikh skladchatykh sistem po "bezmomentnoy" teorii)

PERIODICAL: Nauch. tr. Leningr. inzh.-stroit. in-ta, 1954, Nr 17, pp 159-171

ABSTRACT: The author offers a graphic method for the calculation of hipped systems with two-sided joints and with linear hinges on the ribs under any desired simultaneous loading of all sides. A specific numerical calculation example is adduced.

A. K. Mroshchinskiy

Card 1/1

SOV/124-57-3-3578

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 3, p 137 (USSR)

AUTHOR: Slavin, M. Ya.

TITLE: On a Graphical Solution of Statically Indeterminate Systems (K graficheskomu raschetu staticheski neopredelimykh sistem)

PERIODICAL: Nauch. tr. Leningr. inzh.-stroit. in-ta, 1956, Nr 23, pp 84-101

ABSTRACT: The method proposed for the graphical solution of statically indeterminate systems is based on the utilization of properties of angular (zero-slope) fixed points. This approach is also one of the graphical methods of solving the trinomial canonic equations to which a number of problems in structural mechanics may be reduced. Essentially, the method involves the graphical determination of the angles through which various joints of the frame are rotated; once these angles are known, force diagrams may be constructed with the aid of the well-known formulas. By utilizing the group unknowns of the slope-displacement method, the author obtains a number of relationships permitting an analytical solution of framework systems containing no closed contours. Illustrative examples are given.

Card 1/1

P. B. Antonevich

SOV/112-59-1-615

8(2)

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 1, p 81 (USSR)

AUTHOR: Slavin, M. Ye.

TITLE: Operating Experience and Increasing Insulation Level and Improving Overvoltage Protection in the "Uzbekenergo" Power System

PERIODICAL: V sb.: Materialy 1-y Uzb. nauchno-tekhn. konferentsii po izolyatsii i zashchite ot perenapryazheniy. Farkhadges-Kayrak-Kumges, 1957, pp 5-55

ABSTRACT: It is recommended that substation insulators be washed before the autumn rain period. In the 35-kv system, internal overvoltages were observed whose amplitudes reached 4-6 times the phase-to-neutral voltage; they could have been caused by asymmetrical short-circuits, by ferroresonance phenomena, or by parametric resonances. Stator insulation of generators that were in repair for a long time is tested with a double rated AC voltage and with 3.5-rated DC voltage. Rotor insulation is tested with 2-3-kv AC voltage at their rated speed. Failures of MKP-76-D circuit breakers are described in

Card 1/2

SOV/112-59-1-615

Operating Experience and Increasing Insulation Level and Improving Overvoltage . . .

detail. Operating experience with bushings, pin-type insulators, and line insulators is reported. Good qualities of SP-110 insulators are noted.

V.V.K.-D.

Card 2/2

SLAVIN, Naum Faddeyevich

[In the struggle for communist labor]V bor'be za kommunisticheskii trud. Petrozavodsk, Gos.izd-vo Karel'skoi ASSR, 1961. 86 p. (MIRA 15:9)
(Karelia--Labor and laboring classes)
(Karelia--Socialist competition)

SLAVIN, N. M.

Trening i ispytaniia rysistykh loshadei [Training and testing trotters]. Moskva, Sel'khozgiz, 1952. 205 p.

SO: Monthly List of Russian Accessions, Vol 6 No 4, July 1953

SLAVIN, N. N.

Harness Racing

Useful book ("Training and trials of trotters.") Reviewed by L. Ye Khosroyev. Konevodstvo, 22, no. 8, 1952

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

KULEBAKIN, V.S., akademik, redaktor; BUDZKO, I.A., doktor tekhnicheskikh nauk, redaktor; GANELIN, A.M., kandidat tekhnicheskikh nauk, redaktor; GLEBOVICH, A.A., kandidat tekhnicheskikh nauk, redaktor; DREVS, G.V., kandidat tekhnicheskikh nauk, redaktor; LIBENSON, D.Ya., kandidat tekhnicheskikh nauk, redaktor; SLAVIN, P.M., kandidat tekhnicheskikh nauk, redaktor; SOLODENIKOV, V.N., kandidat tekhnicheskikh nauk, redaktor; SHUMILOVSKIY, N.N., doktor tekhnicheskikh nauk, redaktor; KURDYUKOV, K.P., kandidat tekhnicheskikh nauk, redaktor; KLIMOV, V.A., redaktor izdatel'stva; MOSKVICHEVA, N.I., tekhnicheskiy redaktor

[Automatization of work in agriculture; papers delivered at the conference November 25 - December 2, 1954] Avtomatizatsiia proizvodstvennykh protsessov v sel'skom khoziaistve; materialy soveshchaniia, 25 noiabria - 2 dekabria. Moskva, Izd-vo Akademii nauk SSSR, 1956. 452 p. (MIRA 9:12)

1. Soveshchaniye po avtomatizatsii proizvodstvennykh protsessov v sel'skom khozyaystve, 1954. 2. Institut avtomatiki i telemekhaniki AN SSSR (for Kulebakin). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii sel'skogo khozyaystva (for Glebovich, Solodenikov)

(Automatic control) (Agriculture)

SLAVIN, P.S.

KOVDA,V.A.; SLAVIN,P.S.; SOKOLOV,V.A., professor, redaktor; MARKOV,V.Ya. redaktor; KISELEVA,A.A., tekhnicheskiy redaktor

[Soil and geochemical characteristics of oil-bearing areas] Pochvenno-geokhimicheskie pokazateli neftenosnosti nedr. Moskva, Izd-vo Akademii nauk SSSR, 1951. 68 p. (MIRA 9:1)
(Petroleum geology)

15-57-5-6681

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5, p 143 (USSR)

AUTHOR: Slavin, P. S.

TITLE: Investigation of Oxidizing and Reducing Potential of Soils for Petroleum-Prospecting Purposes (Ob issledovanii okislitel'no-vosstanovitel'nogo potentsiala pochvogruntov dlya neftepoiskovykh tseley)

PERIODICAL: Tr. N.-i. in-ta geofiz. i goekhim. metodov razvedki, 1954, Nr 2, pp 103-110

ABSTRACT: Bibliographic entry

Card 1/1

SLAVIN, P. S.

RONOV, A.B.

3(5) AUTHOR: Sankov, A. A. SOV/1-58-6-14/16

TITLE: Chronicle - All Union Conference on Geochemical and Radiometric Methods of Search and Prospecting for [illegible] and Natural Gas Deposits (Khronika - Vsesoyuznoye soveshchaniye po geokhimicheskim i radiometricheskim metodam poiskov i razvedki neftyanykh i gazovykh mestorozhdeniy) I

PERIODICAL: Geokhimiya, 1959, Nr 6, pp 610 - 611 (USSR)

ABSTRACT: The conference took place in Moscow from April 21 to April 28, 1958 on a proposal of the Gostekhnika to the AS USSR. 60 organizations were represented by about 240 members of the AS USSR, its branches, the Academies of the Republics of the Union, of a number of high schools, of single institutes and prospection organizations of the Ministerstvo geologii i okhrany nedr (Ministry of Geology and Protection of Natural Resources), of the Gosplan USSR and RSFSR, of the Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta Ministrov SSSR (State Scientific and Technical Committee of the Council of Ministers of the USSR), of Councils of National Economy and other organizations. Other active

Card 1/4 participants were scientists from the German Democratic

Bekchurin spoke about the movement of deep subterranean waters. A. B. Ronov reported on investigation results dealing with the distribution of organic carbon in the sedimentary rocks of the Russian Platform. Methods and technique were the subject of the following reports: G. A. Bogilevskiy - The present stage of the problem of anomaly of gas bacteria and a suitable method for its solution; Ye. A. Bare - hydrochemical investigations in prospecting for [illegible] and natural gas; V. A. Kovda and P. S. Slavin - soil geochemical features for the yield of [illegible] and natural gas to be expected; V. N. Fiorovskaya - a luminescence-bituminological method for the investigation and prospecting of natural gas and [illegible] deposits; V. A. Sokolov - gasanalytical method and equipment and ways to complete them; and others. The use of geochemical methods in various regions of the USSR was also treated: Timano-Pechorskaya gazoneftenosnaya provintsiya (A. B. Kreme, G. G. Grigor'yev, A. B. Nedvedev),

Card 2/4 Saratovskoye Povolsh'ye (Ye. M. Geller), Stavropol'ye

SLAVIN, P. S.

V.A. Kovda and P.S. Slavin "Geochemical soil data concerning the mineral oil and gas content"

report presented at a Conference in the Dept. of Geological and Geographical Sci., on Geochemical and Radiometrical Methods of Search and Prospecting for Deposits, 21-26 April 1958.
(Vest. Ak Nauk SSSR, 1958, No. 7, pp. 125-26)

SLAVIN, P.S.

Types of oxidation-reduction media in Cretaceous and Tertiary deposits of Turkmenia. Izv.AN SSSR.Ser.geol. 26 no.7:88-100 Jl '61. (MIRA 14:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut, Moskva.
(Turkmenistan--Sediments (Geology))
(Oxidation-reduction reaction)

SLAVIN, P.S.

Methods for compiling geochemical maps in connection with the study of oil and gas potentials. Sov.geol. 5 no.11:88-97 N '62. (MIRA 15:12)

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SLAVIN, P.S.; KLYACHKINA, F.G.; NEVEROVA, V.I.

Relations between the disseminated bitumen and gas composition and the oxidation-reduction characteristics of enclosing rocks. Geol.nefti i gaza 6 no.8:50-52 Ag '62. (MIRA 15:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut yadernoy geofiziki i geokhimii Ministerstva geologii i okhrany nedr SSSR i Vsesoyuznyy nauchno-issledovatel'skiy geologorazvedochnyy neftyanoy institut.

(Organic matter)
(Oxidation-reduction reaction)

SLAVIN, P.S.; NIKITINA, Ye. A.

Practice of goechemical regionalization for purposes of petroleum prospecting. Sov. geol. 6 no.6:65-74 Je '63. (MIRA 16:7)

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(Turkmenistan—Geochemical prospecting)

DIKENSHTEYN, G.Kh.; KUTUZOVA, V.V.; MASHKYKOV, K.K.; BABAYEV, A.G.; POL'STER, L.A.; YUFEREV, R.F.; SHISHOVA, A.I.; BAREYEV, R.A.; MAKAROVA, L.N.; MURADOV, K.; PYANOVSKAYA, I.A.; SEMOV, V.N.; SIROTINA, Ye.A.; TURKINA, I.S.; FEL'DMAN, S.L.; KHON, A.V.; KUNITSKAYA, T.N.; GOLENKOVA, N.P.; ROSHINA, V.M.; FARTUKOV, M.M.; SHCHUTSKAYA, Ye.K.; ALTAYEVA, N.V.; BYKADOROV, V.A.; KOTOVA, M.S.; SMIRNOV, L.M.; IBRAGIMOV, M.S.; KRAVCHENKO, M.F.; MARKOVA, L.P.; ROZYYEVA, T.R.; UZAKOV, O.; SLAVIN, P.S.; NIKITINA, Ye.A.; MILOGRADOVA, M.V.; BARTASHEVICH, O.V.; STAROBINETS, I.S.; KARIMOV, A.K.

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Slavin, R. M. - Electronics and automatization of an ionic electric drive," Trudy Studench. nauch.-tekhn. o-va (Mosk. energet. in-t im. Molotova), Issue 3, 1949, p. 20-28

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Control station for automatic water pumps with electric drive.
Biul. nauch.-tekh. inform. po elek. sel'khoz. no.1 '56.
(Pumping machinery) (Automatic control) (MLRA 10:9)

SLAVIN, R.M.

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SLAVIN, R.M., kandidat tekhnicheskikh nauk.

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(Tractors--Engines) (Electric motors, Induction)

SLAVIN, R.M., kand.tekhn.nauk

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Protection for the electric motors of incubators. Ptitsevodstvo 9 no.10:22-27 O '59. (MIRA 13:2)

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LISTOV, P.N., prof., doktor tekhn.nauk; GANELIN, A.M.; GRICHEVSKIY, E.Ya.; LEVIN, M.S.; MURADYAN, A.Ye.; SLAVIN, R.M.; YAKOBS, A.I.; DEMINA, G.A., red.; TOKER, A.M., tekhn.red.

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1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhoz.nauk (VASKhNIL) (for Listov).
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